## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# **FORM 10-K**

(Mark One) ⊠ ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the fiscal year ended December 31, 2020

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_ Commission File Number: 001-37844

# **Bioventus Inc.**

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization) 4721 Emperor Boulevard, Suite 100 Durham, North Carolina (Address of principal executive offices)

81-0980861 (I.R.S. Employer Identification No.)

27703

(Zip Code)

Name of each exchange on which registered The Nasdaq Global Select Market

Accelerated filer

Smaller reporting company

 $\mathbf{X}$ 

(919) 474-6700

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act: Trading Symbol(s) BVS

Title of each class Common Stock, par value \$0.001 per share

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes 🗆 No🗵

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes 🗆 No 🗵

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding

12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes 🗆 No 🖂

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T

(\$232,405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes 🗵 No 🗆

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	
Non-accelerated filer	$\times$

Emerging growth company If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2) (B) of the Securities Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗵

As of June 26, 2020, the last business day of the registrant's most recently completed second fiscal quarter, there was no public market for the registrant's common equity and, therefore, the registrant cannot calculate the aggregate market value of its voting and non-voting common equity held by non-affiliates as of such date.

As of March 22, 2021, there were 41,038,589 shares of Class A common stock outstanding and 15,786,737 shares of Class B common stock outstanding.

## **BIOVENTUS INC.**

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#### FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K (Annual Report) contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended (Exchange Act), and Section 27A of the Securities Act of 1933, as amended (Securities Act), concerning our business, operations and financial performance and condition, as well as our plans, objectives and expectations for our business operations and financial performance and condition. Any statements contained herein that are not statements of historical facts may be deemed to be forward-looking statements including, without limitation, statements regarding our business strategy, including, without limitation, potential acquisitions and expected expansion of our pipeline and research and development investment, new therapy launches, our operations and expected financial performance and condition, and impacts of the COVID-19 pandemic. In some cases, you can identify forward-looking statements by terminology such as "aim," "anticipate," "assume," "believe," "contemplate," "could," "due," "estimate," "expect," "goal," "intend," "may," "objective," "plan," "predict," "potential," "positioned," "seek," "should," "target," "would" and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words.

Forward-looking statements are based on management's current expectations, estimates, forecasts and projections about our business and the industry in which we operate, and management's beliefs and assumptions are not guarantees of future performance or development and involve known and unknown risks, uncertainties and other factors that are in some cases beyond our control. As a result, any or all of our forward-looking statements in this Annual Report may turn out to be inaccurate. Furthermore, if the forward-looking statements prove to be inaccurate, the inaccuracy may be material. In light of the significant uncertainties in these forward-looking statements, you should not regard these statements as a representation or warranty by us or any other person that we will achieve our objectives and plans in any specified time frame, or at all. Factors that may cause actual results to differ materially from current expectations include, among other things, those described in *Part I, Item 1A. Risk factors*. You are urged to consider these factors carefully in evaluating these forward-looking statements. These forward-looking statements speak only as of the date hereof. Except as required by law, we assume no obligation to update or revise these forward-looking statements for any reason, even if new information becomes available in the future.

#### TRADEMARKS, TRADE NAMES AND SERVICE MARKS

This Annual Report includes our trademarks and trade names that we own or license, such as Bioventus, Cellxtract, Durolane, Exogen, Exponent, GELSYN-3, MOTYS, OsteoAMP, Prohesion, PureBone, SAFHS, Signafuse, SUPARTZ FX and our logo. This Annual Report also includes trademarks, trade names and service marks that are the property of other organizations. Solely for convenience, trademarks and trade names referred to in this Annual Report appear without any "TM" or "®" symbol, but those references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights to these trademarks, trade names and service marks. We do not intend our use or display of other parties' trademarks, trade names or service marks to imply, and such use or display should not be construed to imply, a relationship with, or endorsement or sponsorship of us by, these other parties.

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## **Summary of Principal Risk Factors**

We are subject to several risks, including risks that may prevent us from achieving our business objectives or that may adversely affect our business, results of operations, financial condition, and cash flows. You should carefully consider the risks discussed in the section entitled *Part I, Item 1A. Risk Factors*, including the following principal risks:

- our business may continue to experience adverse impacts as a result of the COVID-19 pandemic;
- we are highly dependent on a limited number of products;
- our long-term growth depends on our ability to develop, acquire and commercialize new products, line extensions or expanded indications;
- we may be unable to successfully commercialize newly developed or acquired products or therapies in the United States;
- demand for our existing portfolio of products and any new products, line extensions or expanded indications depends on the continued and future acceptance of our products by physicians, patients, third-party payers and others in the medical community;
- our commercial success depends on our ability to differentiate the HA viscosupplementation therapies that we own or distribute from alternative therapies for the treatment of OA;
- the proposed down classification of non-invasive bone growth stimulators, including our Exogen system, by the FDA could increase future competition for bone growth stimulators and otherwise adversely affect the Company's sales of Exogen;
- if we are unable to achieve and maintain adequate levels of coverage and/or reimbursement for our products, the procedures using our products, or any
  future products we may seek to commercialize, the commercial success of these products may be severely hindered;
- if we choose to acquire or invest in new businesses, products or technologies, we may be unable to complete these acquisitions or to successfully integrate them in a cost-effective and non-disruptive manner;
- we compete and may compete in the future against other companies, some of which have longer operating histories, more established products or greater resources than we do, which may prevent us from achieving increased market penetration or improved operating results;
- the reclassification of our HA products from medical devices to drugs in the United States by the FDA could negatively impact our ability to market these
  products and may require that we conduct costly additional clinical studies to support current or future indications for use of those products;
- our ability to maintain our competitive position depends on our ability to attract, retain and motivate our senior management team and highly qualified
  personnel, and our failure to do so could adversely affect our business, results of operations and financial condition;
- if our facilities are damaged or become inoperable, we will be unable to continue to research, develop and manufacture our products and, as a result, our business, results of operations and financial condition may be adversely affected until we are able to secure a new facility;
- our products and operations are subject to extensive governmental regulation, and our failure to comply with applicable requirements could cause our business to suffer;
- we may be subject to enforcement action if we engage in improper claims submission practices and resulting audits or denials of our claims by government agencies could reduce our net sales or profits;
- the FDA regulatory process is expensive, time-consuming and uncertain, and the failure to obtain and maintain required regulatory clearances and
  approvals could prevent us from commercializing our products; our HCT/P products are subject to extensive government regulation and our failure to
  comply with these requirements could cause our business to suffer;
- if clinical studies of our future products do not produce results necessary to support regulatory clearance or approval in the United States or elsewhere, we will be unable to expand the indications for or commercialize these products; and
- we may be subject to enforcement action if we engage in improper marketing or promotion of our products, that could lead to costly investigations, fines or sanctions by regulatory bodies, any of which could be costly to our business.

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## PART I

## Item 1. Business.

Bioventus Inc. is a Delaware corporation formed on December 22, 2015. Unless the context requires otherwise, in this Annual Report on Form 10-K (Annual Report) the terms "we," "us," "our," the "Company," "Bioventus," "Bioventus Inc." and similar references refer to the combined operations of Bioventus Inc. and its consolidated subsidiaries and affiliates, including Bioventus LLC (BV LLC).

## Initial public offering and organizational transactions

On February 16, 2021, we closed an initial public offering (IPO) of 9,200,000 shares of our Class A common stock at a public offering price of \$13.00 per share, which included 1,200,000 shares issued pursuant to the underwriters' over-allotment option. We received \$111.2 million in proceeds, net of underwriting discounts and commissions, which we used to purchase newly-issued membership interests from BV LLC at a price per interest equal to the IPO price of our Class A common stock of \$13.00.

Bioventus is a holding company with no direct operations and our principal asset is the equity interest in BV LLC. In connection with the IPO, we completed a series of organizational transactions including, without limitation, the following:

- the limited liability company agreement of BV LLC was amended and restated (Bioventus LLC Agreement) to, among other things, (i) provide for a new
  single class of common membership interests in BV LLC (LLC Interests), (ii) exchange all of the then existing membership interests of the holders of BV
  LLC membership interests (Original LLC Owners) for LLC Interests and (iii) appoint Bioventus Inc. as the sole managing member of BV LLC; and
- the acquisition, by merger, of certain members of BV LLC (Former LLC Owners), for which we issued 31,838,589 shares of Class A common stock as merger consideration (Merger).

Refer to *Note 4 Subsequent events* of the Bioventus, Inc. financial statements included in *Part II, Item 8. Financial Statements and Supplementary Data* of this Annual Report for more information about the above-mentioned transactions as well as the other transactions completed in connection with the IPO (Transactions). Following the completion of the Transactions, Bioventus owned 72.2% of BV LLC. Smith & Nephew, Inc. (Continuing LLC Owner) owned the remaining 27.8% of BV LLC. We have a majority economic interest, the sole voting interest in, and control the management of, BV LLC. As a result, we will consolidate the financial results of BV LLC and will report a non-controlling interest representing the LLC Interests held by the Continuing LLC Owners.

#### **Company overview**

We are a global medical device company focused on developing and commercializing clinically differentiated, cost efficient and minimally invasive treatments that engage and enhance the body's natural healing process. Our devices are most often used to delay or replace the need for an elective surgical procedure and are focused on reaching patients early on in their treatment paradigm. The Company is headquartered in Durham, North Carolina. We have administrative facilities in the United States (U.S.), Canada, and the Netherlands, and a manufacturing facility in the U.S. We directly distribute products in the U.S., Canada, United Kingdom (U.K.), Germany and the Netherlands. In several of these and other markets, we also distribute our products through independent distributors.

We believe our non-invasive medical device and biologic products play a critical role in supporting the body's own healing mechanisms to heal or eliminate the pain caused by orthopedic conditions and problems, which we define as our active healing products. These products address an estimated \$6.0 billion market opportunity across osteoarthritic (OA) joint pain treatment and joint preservation, spinal fusion surgery and bone fractures, each of which is experiencing growth through multiple industry tailwinds, including an aging population, increased participation in sports and active lifestyles and a rise in obesity rates. Our devices are most often used to delay or replace the need for an elective surgical procedure and are focused on reaching patients early on in their treatment paradigm. Our products are widely reimbursed by both public and private health insurers and are sold in the physician's office or clinic, in ambulatory surgical centers (ASCs), and in the hospital setting in the U.S. and across 37 countries. We manage our business by our two reporting segments, U.S. and International which accounted for 91% and 9%, respectively, of our total net sales during the fiscal year ended December 31, 2020. Financial information regarding our reportable business segments and certain geographic information is included in *Part II, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations* of this Annual Report. See also *Note 15. Segments* of the Notes to the Consolidated Financial Statements in *Part II, Item 8. Financial Statements and Supplementary Data* of this Annual Report for further information regarding our business segments.

Our existing portfolio of products is grouped into three verticals based on our targeted customer focus:

- OA Joint Pain Treatment and Joint Preservation. We are the largest pure play orthopedics-focused company in the OA joint pain treatment and joint
  preservation market. We have been the fastest growing hyaluronic acid (HA) participant over the last three years, driving our share to number three by
  revenue in the U.S. market. We offer the only complete portfolio of HA viscosupplementation therapies, including single, three and five injection
  regimens, for patients experiencing pain related to OA in the knee. Our HA products are all approved by the U.S. Food and Drug Administration (FDA)
  through premarket approvals (PMAs), and include:
  - (a) Durolane, a single injection therapy, was launched in the United States in 2018 and is also marketed outside the United States in more than 30 countries including Europe through a CE mark, which is an abbreviation for Conformité Européenne or European Conformity;
  - (b) GELSYN-3, a three injection therapy, was launched in the United States in 2016; and
  - (c) SUPARTZ FX, a five injection therapy, was launched in the United States in 2001.
- Bone Graft Substitutes. We are the fastest growing participant in the bone graft substitutes (BGSs) market and offer a broad portfolio of products including human tissue allografts and synthetics. Our BGS products can be used in conjunction with any orthopedic fixation and spinal fusion implant. They are designed to improve bone fusion rates following spinal fusion and other orthopedic surgeries and reduce the need for using the patient's own bone, which is associated with additional cost and morbidity. Our products include an allograft-derived bone graft with growth factors (OsteoAMP), a demineralized bone matrix (DBM) (Exponent), a cancellous bone in different preparations (PureBone), bioactive synthetics (Signafuse and Interface), a collagen ceramic matrix (OsteoMatrix) and two bone marrow isolation systems (CellXtract and Extractor). Our products have received either 510(k) clearance from the FDA or are marketed pursuant to Section 361 of the Public Health Service Act (PHSA) as Section 361 HCT/Ps. HCT/Ps regulated solely under Section 361 are human cells, tissues and cellular and tissue-based products that do not require marketing authorization to be marketed in the United States.
- Minimally Invasive Fracture Treatment. Our Exogen system was the number one prescribed device in the bone growth stimulatory market in 2018 (the latest period for which data is available). It has had marketing authorization via a PMA through the FDA for over 25 years. We are the only company to utilize advanced, pulsed ultrasound technology for bone growth in delayed and nonunion fractures in all fracture locations except spine, as well as in fresh fractures of the tibia and radius. Our Exogen system offers significant advantages over electrical based long bone stimulation systems, including a documented mechanism of action, shorter treatment times and superior nonunion heal rates. The system is also sold internationally under a CE mark for nonunions and fresh fractures and is the market-leading bone healing treatment in the delayed union and nonunion market in Japan.

The COVID-19 pandemic and the measures imposed to contain the spread of the virus disrupted our business beginning in early March 2020 as healthcare systems across the U.S. were forced to limit patient visits and elective surgical procedures. The effects of the pandemic began to decrease in late April 2020 and we saw a very strong recovery for our products at the end of the second quarter as restrictions on orthopedic procedures were lifted across the United States and patients also returned to orthopedic offices. Refer to *Part I, Item 1A. Risk Factors* and *Part II, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations* for more information regarding the impact and related risks of the COVID-19 pandemic on our business.

#### Our growth strategy

We intend to pursue the following strategies to build a market-leading and customer-focused company centered on the OA joint pain treatment and joint preservation, BGSs and minimally invasive fracture treatments, and to continue to grow our net sales and Adjusted EBITDA:

- Continue to expand market share in HA viscosupplementation. We intend to increase sales of our HA viscosupplementation therapies and extend our market leadership in this category by building on our unique positioning as the only company to offer a one, three and five injection treatment regimen and by expanding payer coverage, which we have done successfully, increasing the number of lives under contract from 6 million to 48 million between 2017 and 2020. This increase in lives, along with our differentiated portfolio and dedicated direct sales team, has allowed us to achieve significant market share gains over the last several years and positioned us as the largest pure play orthopedic-focused company in the U.S. HA viscosupplementation market with a market share of approximately 17% as of September 26, 2020.
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- Introduce new OA joint pain treatment and joint preservation products. To expand our offering beyond HA viscosupplementation therapies and build a comprehensive portfolio for the OA joint pain treatment and joint preservation, we are planning to commercially launch a range of new therapies over the next several years, including:
  - (a) Agili-C. An off-the-shelf aragonite implant designed for implantation into osteochondral defects in the knee. The Agili-C implant received breakthrough device designation by the FDA in the fourth quarter of 2020. We have an option to acquire this technology from CartiHeal upon FDA approval. CartiHeal submitted the non-clinical module of the PMA in January 2021 and expects to submit the final, clinical module of a Modular PMA in the fourth quarter of 2021 seeking FDA approval.
  - (b) MOTYS. A placental tissue injectable biologic for knee OA, which we began selling in the cash pay market in the fourth quarter of 2020 as a Section 361 HCT/P pursuant to a temporary FDA policy of enforcement discretion. On October 29, 2020, we received FDA confirmation indicating its authorization of our investigational new drug application (IND), and a clinical trial for MOTYS has commenced in the first quarter of 2021. In parallel, we plan to pursue a required BLA premarket approval for this product, which we expect would expand insurance payment alternatives over time.
  - (c) **PROcuff.** A bio-inductive collagen implant for regeneration of tendon tissue in the rotator cuff. We expect to file a request for 510(k) clearance in either the second or third quarter of 2022.
- Further develop and commercialize our BGS portfolio. We intend to grow our presence in the BGS market and expand our reach into the operating room in both ASCs and hospitals. In the near-term, we plan to maintain and selectively expand our profitable product lines by adding to our U.S. distributor base in an effort to reach significantly underpenetrated markets. Over time, we intend to launch product line enhancements and invest in the development of next-generation BGS therapies to continue to grow our market share. Consistent with this strategy, we recently launched the Signafuse Bioactive Strip and anticipate launching the OsteoAmp Flowable in 2021.
- Expand indications for use for our Exogen system. We are focused on generating incremental clinical data and peer-reviewed publications to expand our indications and continue to grow our market leading share. We are currently underway with the B.O.N.E.S. clinical studies, which are aimed at generating data to support label expansion in additional bone types and expanded reimbursement for the treatment of fresh fractures in patients at risk of nonunion due to certain comorbidities, such as diabetes or obesity. We commenced patient enrollment to study three specific bones in 2017 and began a rolling release of data in late 2020. Depending on the results from our studies, we plan to submit a total of three PMA supplements to the FDA, the first of which was submitted in December 2020 seeking approval for the adjunctive treatment of acute and delayed metatarsal fractures to reduce the risk of non-union. We plan to submit the second PMA supplement in the second quarter of 2022 and the third PMA supplement in the second half of 2023.
- **Invest in research and development.** We are focused on internal research and development to broaden our portfolio of therapies to manage OA joint pain and joint preservation, expand our Exogen system product label and undertake clinical research to support commercialization of our next-generation of BGS products. We see significant opportunity to develop innovative and clinically differentiated products internally with our qualified research and development team. We rely on a team of 40 highly trained individuals to develop new products, conduct clinical investigations and help educate health care providers using our products. Our research and development team is comprised of 13 members holding PhDs and 18 members with more than 20 years of experience in the medical device industry. We collaborate with academic centers of excellence, leading contract research organizations and other industrial groups to complement and expedite execution of our research and development programs and minimize fixed costs.
- Pursue business development opportunities. Consistent with our track record of partnerships and acquisitions of MOTYS, PROcuff and CartiHeal, we
  intend to continue to pursue business development opportunities that leverage our significant customer presence across orthopedics, broaden our portfolio
  and increase our global footprint. We will continue to search for clinically differentiated and cost-effective products and technologies that also balance our
  portfolio in terms of risk and time to market.
- **Opportunistically grow our international markets.** We intend to focus our international business on markets where our existing portfolio can maintain profitable growth over time, either through direct or distributor based channels. For example, we launched OsteoAMP in Canada in 2020, where Durolane and Exogen had a market leading presence in 2016. We plan to selectively expand to new markets with Durolane, Exogen and our BGSs and intend to pursue further opportunities in the Asia Pacific markets. In particular, China represents an attractive and exciting market given its large and aging population as well as its rising middle class. We have added management in China and will be creating a legal entity as we seek approval from the China Food and Drug Administration for Durolane, which we believe will be facilitated by the successful completion of our Chinese randomized controlled trial (RCT).

#### **Recent Developments**

#### **Investment and Potential Acquisition**

On January 4, 2021, we made a convertible debt investment of \$1.5 million, (Investment), in a medical device company (Target), as a part of our exclusive negotiations with the Target regarding the Potential Transaction (as defined below). If the Potential Transaction is not consummated, the Investment will be convertible into equity of the Target at our discretion or upon a change of control of the Target, which we expect to result in approximately 2% equity ownership in the Target. The arrangement has allowed the parties to explore a possible acquisition of the Target (Potential Transaction) for a payment of \$45.0 million to be paid at closing with contingent payments of up to \$65.0 million to be paid upon achievement of certain key milestones. While still subject to due diligence, we believe the Target's patent-protected portfolio of FDA approved products and its product development pipeline are highly complementary to our OA joint pain treatment and joint preservation vertical and would allow us to further leverage our claims processing infrastructure. For the year ended December 31, 2020, the Target generated approximately \$40.0 million in revenue and had loss from operations of approximately \$14.0 million. We expect the Target to be accretive to revenues immediately if the Potential Transaction closed, and to have a positive contribution to combined Company net income excluding purchase accounting and transaction costs by the end of year one post-close. We were notified that a minority shareholder of the Target filed a complaint with the Court of Chancery of the State of Delaware on February 4, 2021 contesting the Potential Transaction, as well as related motions to expedite proceedings and issue a temporary restraining order. We understand that the Target was successful defending the action and on March 4, 2021, the complaint and motions were dismissed, but there can be no assurance that this action will not impact the timing, terms, or likelihood of closing of the Potential Transaction. Any resulting acquisition will be funded through our current cash balance and, if necessary, proceeds from our existing line of credit. We cannot assure that the acquisition will occur on or before a certain time, on the terms described herein, or at all. See Part I, Item 1A. Risk Factors-Risks related to our business-If we choose to acquire or invest in new businesses, products or technologies, we may be unable to complete these acquisitions or to successfully integrate them in a cost-effective and non-disruptive manner.

#### **Our products**

We offer a diverse portfolio of active healing products to serve physicians spanning the orthopedic continuum, including sports medicine, total joint reconstruction, hand and upper extremities, foot and ankle, podiatric surgery, trauma, spine and neurosurgery, in the physician's office or clinic, ASCs or in the hospital setting.

Our portfolio of products is grouped into three verticals based on clinical use: (i) OA joint pain treatment and joint preservation, (ii) BGSs and (iii) minimally invasive fracture treatment.

## OA joint pain treatment and joint preservation

Knee OA is a degenerative condition that is chronic in nature and is characterized by gradual breakdown and destruction of the cartilage in the knee. This condition develops over years and is often found in patients who exhibit joint malalignment, have had a joint injury, or are overweight. The disease can involve joint inflammation and results in symptoms that include redness, warmth, swelling, stiffness, tenderness, limited range of motion and pain. As the condition advances, the knee joint gradually loses cartilage tissue and the cartilage layer attached to the bone deteriorates to the point where eventually the bone becomes exposed.

We have the only complete one, three and five injection portfolio in the HA viscosupplementation market in the United States with Durolane, GELSYN-3 and SUPARTZ FX.

Product	Description	Regulatory pathway	Region where marketed <sup>(1)</sup>
DUROLANE hydrutonic acid, itobilized single injection	Single injection HA viscosupplementation therapy	<ul> <li>PMA</li> <li>Device approval by Health Canada</li> <li>CE mark and other registrations<sup>(2)</sup></li> </ul>	<ul><li>United States</li><li>Canada</li><li>Europe</li></ul>
	Three injection HA viscosupplementation therapy	• PMA	• United States
SUPARTZ FX	Five injection HA viscosupplementation therapy	• PMA	• United States

- <sup>(1)</sup> We maintain exclusive distribution agreements with respect to Durolane, GELSYN-3 and SUPARTZ FX in the United States. We maintain exclusive distribution agreements and own certain assets with respect to Durolane outside the United States.
- <sup>(2)</sup> Durolane is also approved for marketing in Argentina, Australia, Brazil, Columbia, India, Indonesia, Jordan, Malaysia, Mexico, New Zealand, Russia, Switzerland, Taiwan, Turkey and the United Arab Emirates (UAE).

#### Single Injection Therapy

Durolane is a sterile, transparent and viscoelastic gel that is a single injection therapy that is indicated for the symptomatic treatment of OA in the knee in the United States. Durolane is also indicated for the hip, ankle and shoulder, as well as for treatment of other small orthopedic joints outside the United States. Durolane contains high levels of HA and is injected directly into the joints affected by OA to relieve pain and restore lubrication and cushioning. This may improve joint function and help to potentially avoid or delay knee replacement surgery.

Physicians administer Durolane to the affected knee joint in a single injection and it has been observed to provide a benefit for pain reduction in patients with OA in the knee for up to 26 weeks. Durolane's injection schedule results in economic advantages and greater patient convenience and compliance compared to other HA viscosupplementation therapies which require weekly injections over a period of three to five weeks. For example, we believe that changes in physician visiting patterns, as a result of the COVID-19 pandemic, have led to increased preference for single injection therapies.

Durolane is highly purified and based upon a natural and patented non-animal stabilized HA (NASHA), expanding use to patients who are allergic to animal derived solutions.

Comparison of major FDA-approved single injection HA viscosupplementation therapies

#### **Product** Manufacturer

Manufacturer or distributor	Indication	Source and process	Active ingredient / treatment dosage	Duration
DUROLANE <sup>®</sup>	OA of the knee	Non-animalstabilized HA	NASHA / (60 mg)	Six months
Bioventus				
<b>Synvisc-One</b> Sanofi S.A.	OA of the knee	Animal sourced Hylan A and Hylan B polymers	Hylan G-F 20 / (48 mg)	Six months
<b>Monovisc</b> DePuy Orthopaedics, Inc.	OA of the knee	Non-animal cross-linked sourced HA	2.2% sodium hyaluronate / (88 mg)	Six months
<b>Gel-One</b> Zimmer Biomet Holdings, Inc.	OA of the knee	Animal sourced HA	1.0% sodium hyaluronate /(30 mg)	Three months

#### Durolane clinical data

Durolane's proprietary stabilizing technology substantially extends the amount of time it remains in the joint. Multiple studies have been conducted to determine Durolane's half-life, which is the amount of time needed for 50% of the injected material to be broken down and excreted from the body.

In one study, Durolane's half-life in the joint was studied in a rabbit model. Results showed the Durolane remained in the joint with an observable half-life of 32 days, substantially longer than the half-lives of Synvisc and unmodified HA, as determined in comparable studies, which were 1.5 days and less than 1 day, respectively.

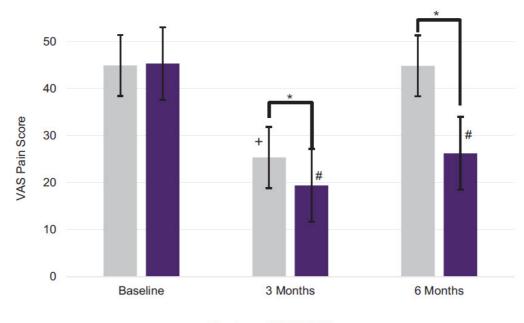
The long half-life of Durolane was also observed in the 2002 Lindqvist et al. human study where six healthy volunteers were given a single injection of Durolane that contained a radioactive isotope that could be traced, allowing scientists to measure Durolane's elimination from the body over time. The results showed a 30-day half-life, indicative of the expected long residence time in the joint due to Durolane's proprietary stabilizing technology and preclinical studies.

In terms of efficacy, Durolane has been directly compared against the main intra-articular therapeutic options available for managing osteoarthritic pain: SUPARTZ FX, a five injection product, Synvisc One, a single injection product and methylprednisolone acetate, an intra-articular corticosteroid.

In a multi-center randomized, blinded, controlled trial of 349 patients with mild-to-moderate knee OA, Durolane was compared with SUPARTZ FX. This 2015 Zhang et al. study concluded that one injection of Durolane was non-inferior to five weekly injections of SUPARTZ FX in terms of pain, stiffness, physical function and global self-assessment.

In an independent, investigator-initiated randomized, controlled study involving 213 patients with mild-to-moderate knee OA, Durolane was further compared to Synvisc-One. After following up with the patients over a span of 12 months following the treatment, the results from this 2013 McGrath et al. study showed that Durolane produced significantly more durable pain relief effects than Synvisc-One, while also providing longer-lasting improvements in range of motion and a reduction in the use of pain medication for study participants.

Greater Reduction in Knee Pain versus Synvisc-One



Synvisc DUROLANE

\*p<0.000 compared to Synvisc #p<0.000 compared to DUROLANE baseline \*p=0.008 compared to Synvisc baseline

(n=168) Mean values +/- standard deviation

In a separate prospective, multi-center, randomized, active-controlled, double-blind, non-inferiority clinical trial with 442 enrolled patients with knee OA, it was observed that single injection Durolane was well tolerated and non-inferior compared to the corticosteroid methylprednisolone acetate at twelve weeks. Methylprednisolone acetate is a steroid injectable formulation used to treat pain and swelling that occurs with OA and other joint disorders. The effect size for pain, physical function and stiffness scores favored Durolane over methylprednisolone acetate from twelve to 26 weeks. The benefit of Durolane was maintained through 26 weeks, while that of methylprednisolone acetate declined during the same period. An additional injection of Durolane at 26 weeks conferred improvements through 52 weeks without increased sensitivity or risk of complications compared to the initial injection. One subset of 31 patients treated with Durolane remained pain free after six months from the first injection and did not elect to receive a second injection.

As of December 31, 2020, over 2 million injections of the Durolane formulation have been safely administered globally since its international launch in 2006. We launched Durolane in the United States in March 2018 and have owned certain Durolane assets outside of the United States relating to trademark, product registrations and clinical data since November 2015.

#### **Three Injection Therapy**

GELSYN-3 is an FDA-approved sterile, buffered solution of highly purified sodium hyaluronate that is administered as a three injection HA viscosupplementation therapy. It is indicated for the treatment of pain due to knee OA in patients who have failed to respond adequately to conservative non-pharmacologic therapy and simple analgesics. The solution treats knee OA by providing temporary replacement for the diseased synovial fluid and restoring lubricity of bearing joint surfaces. Physicians administer GELSYN-3 to the affected knee joint once a week for three consecutive weeks. GELSYN-3 provides relief of knee pain and may help delay the need for total knee replacement surgery. GELSYN-3 is derived from bacterial fermentation, is highly purified and does not involve the use of animal products, thereby reducing the potential risk of an immune response following injection. We currently market GELSYN-3 in the United States. As of December 31, 2020, approximately 900,000 injections of the GELSYN-3 HA formulation have been safely administered in the United States since its launch in 2016.

## GELSYN-3 clinical data

The safety and efficacy of GELSYN-3 was assessed in a prospective, multicenter, randomized, controlled, double-blind, non-inferiority pivotal study that enrolled 381 adult patients with knee OA. Patients were randomized to receive three weekly injections of GELSYN-3 or three weekly injections of Synvisc 3, a three injection regimen commercialized in the United States by Sanofi S.A., with follow-up visits scheduled up to 26 weeks. GELSYN-3 was observed to be non-inferior to Synvisc 3 at the 26-week time point.

#### **Five Injection Therapy**

SUPARTZ FX is an FDA-approved sterile and viscoelastic solution of HA that is administered as a five injection HA viscosupplementation therapy. It is indicated for the treatment of pain in patients with knee OA who failed to adequately respond to conservative nonpharmacological therapy and simple analgesics. The solution treats knee OA by providing temporary replacement for the diseased synovial fluid and restoring the lubricity of the bearing joint surfaces. Physicians administer SUPARTZ FX to the affected knee joint once a week for five consecutive weeks. SUPARTZ FX may also delay the need for total knee replacement. SUPARTZ FX is derived from HA extracted from certified and veterinary inspected chicken combs. Risks can include general knee pain, warmth and redness or pain at the injection site. We currently market SUPARTZ FX in the United States. As of December 31, 2020, over 410 million injections of the SUPARTZ FX HA formulation have been safely administered globally since its launch in 1987.

#### SUPARTZ FX clinical data

In a double blind, randomized, multi center, parallel group study conducted by Day et al. in 2004 of the effectiveness and tolerance of intra-articular SUPARTZ FX compared to control (saline) treatment for knee OA, it was observed that SUPARTZ FX reduced knee pain in patients during the post-injection period by about 50% from the baseline. Of 240 patients randomized for inclusion in the study, 223 patients were evaluable for the modified intention to treat analysis and the statistically significant difference from the control was apparent after the series of injections was complete. Intra-articular SUPARTZ FX therapy was shown to be more effective than saline in mild to moderate knee OA for the 13-week post injection period of the study.

The safety and efficacy of SUPARTZ FX was observed by Strand et al. in an integrated analysis. This integrated analysis included five separate double-blind, randomized, saline-controlled trials, and included a total of 1,155 patients comparing five weekly injections of SUPARTZ FX versus a saline placebo. The pooled results from this study showed that SUPARTZ FX produced statistically significantly greater reduction from baseline in total Lequesne scores, a measure of overall function including pain. The incidence of adverse events were observed to be minimal and similar in both treatment arms. Furthermore, none of the reported adverse events were observed to be deemed treatment-related suggesting that SUPARTZ FX was safe and well-tolerated.

#### Comparison of FDA-approved multi-injection HA viscosupplementation therapies

<b>Product</b> Manufacturer or distributor	Indication	Source and process	Active ingredient / total treatment dosage	Number of injections per course	Duration
	OA of the knee	Fermented, bacterial derived HA	0.84% sodium hyaluronate (50.4 mg)	Three	Six months
Bioventus					
SUPARTZ FR.	OA of the knee	Naturally derived, purified HA	1.0% sodium hyaluronate (75/125 mg)	Three to Five	Six months
Bioventus					
<b>Synvisc</b> Sanofi S.A.	OA of the knee	Hylan polymers, purified HA	0.8% Hylan G-F 20 (48 mg)	Three	Six months
<b>Euflexx</b> a Ferring Pharmaceuticals Inc.	OA of the knee	Fermented, bacterial derived HA	1.0% sodium hyaluronate (60 mg)	Three	Six months
<b>Hyalgan</b> Fidia Farmaceutici S.p.A.	OA of the knee	Naturally derived, purified HA	1.0% sodium hyaluronate (60 mg/100 mg)	Three to Five	Six months
<b>Genvisc-850</b> OrthogenRx, Inc.	OA of the knee	Fermented, bacterial derived HA	1.0% sodium hyaluronate (75/125 mg)	Three to Five	Six months

#### **Development and Clinical Pipeline**

## Amniotic tissue products for the treatment of OA

## Collaboration and development agreement for MOTYS

On May 29, 2019, we entered into a Development Agreement with Musculoskeletal Transplant Foundation, Inc. (MTF) to develop an injectable placental tissue product, MOTYS, for use in the OA joint pain treatment and joint preservation.

The development and commercialization of the product will take place in two stages, and we began limited commercialization of MOTYS to a cash pay only market in the fourth quarter of 2020 as a Section 361 HCT/P pursuant to the FDA's policy of enforcement discretion allowing for marketing without the required BLA approval until May 2021, while in parallel we pursue a BLA pre-market approval for the product. Once approved as a biologic, MOTYS will be eligible for health insurance reimbursement and hence gain access a broader patient population. We are planning to conduct randomized clinical trials to ultimately support the submission to the FDA of a BLA for the use of MOTYS in the OA joint pain treatment.

Based on our preclinical evidence, we believe the MOTYS formulation holds potential for mitigating OA joint pain while protecting damaged cartilage and promoting anti-catabolic and pro-anabolic events that could ultimately result in delayed disease progression in OA. We have completed extensive in vitro and in vivo studies comparing the effect of MOTYS to the clinical standard of care (steroid injections). MOTYS provided non-inferior pain relief effects to a steroid, but was superior in its effect on cartilage protection and in promotion of new tissue formation.

In October 2020, we received FDA confirmation indicating its authorization of our IND and plan to initiate clinical studies by year end. Amniotic products have been extensively and safely used in clinical practice, and FDA has granted Regenerative Medicine Advanced Therapy (RMAT), designation to other amniotic tissue products being investigated for use in OA, which enables an expedited development pathway as well as eligibility for increased and earlier interactions with FDA. We intend to submit a request for RMAT designation for MOTYS in 2022.

## Implantable for the treatment of rotator cuff injuries

## Development collaboration agreement for PROcuff

On August 23, 2019, we entered into an exclusive Collaboration Agreement with Harbor Medtech Inc. (Harbor) to develop and license the rights to commercialize a woven-suture-collagen composite implant product, PROcuff, for the regeneration of tendon tissue. Concurrently with the execution of the agreement, we purchased \$1.0 million of shares of Harbor. As a result of Harbor's achievement of certain milestones, on October 5, 2020, we purchased \$1.0 million of additional shares of Harbor. The sole use of proceeds from these investments is for the development of the woven-suture-collagen composite implant product and we have the right to purchase the product from Harbor once it is cleared for marketing by the FDA.

We have currently completed a pilot sheep implantation study through a collaboration with a prominent academic investigator. Results indicate that the material is well tolerated, rapidly integrated and promotes the formation of new tendon tissue at the bone tendon interface. We expect to file a request for 510(k) clearance in either the second or third quarter of 2022. We plan to conduct post-clearance human clinical studies with the composite implant to further demonstrate the safety and efficacy of the product, and facilitate reimbursement.

#### Treatment of Cartilage for Osteochondral defects

#### CartiHeal (developer of Agili-C) investment and option and equity purchase agreement

On July 15, 2020, we made a \$15.0 million equity investment in CartiHeal (2009) Ltd. (CartiHeal), a privately-held company headquartered in Israel and developer of the proprietary Agili-C implant for the treatment of joint surface lesions in traumatic and osteoarthritic joints.

We believe Agili-C is the only product in clinical development in the United States as an off-the-shelf scaffold implant that is designed to regenerate hyaline cartilage and subchondral bone simultaneously. The associated surgical procedure is similar to osteochondral allograft implantation, but is a single-step process and is easier, faster and more cost-effective. We believe this is the first cartilage repair technology to be tested in trials designed for regulatory approval in the United States in non-OA and OA patients, potentially unlocking applications for millions of patients with knee OA and cartilage defects. We also believe Agili-C will enable the treatment of cartilage lesions in a significant population of OA patients, including those younger, active patients for whom available treatment options are limited. The FDA's grant of breakthrough device designation in the fourth quarter of 2020 for the treatment of an International Cartilage Repair Society (ICRS) grade III or above knee-joint surface lesions(s), with a total treatable area of 1-7cm2, without severe osteoarthritis (Kellgren-Lawrence grade 0-3) is a promising development, as such designation may help patients receive more timely access to Agili-C by expediting its development, assessment and review by the FDA. On January 12, 2021, the Centers for Medicare and Medicaid Services (CMS) issued a final rule under which a breakthrough device designation by the FDA also provides a streamlined pathway to national Medicare coverage for a period of four years, beginning as early as the FDA approval for the product. On March 12, 2021, CMS delayed by 60 days the effective date of the final rule on Medicare coverage for innovative technology, which was previously slated to become effective March 15, 2021. The agency also provided a 30-day public comment period, which ends April 16, 2021. We believe Agili-C also has the potential for broader indications for use in other joints, providing entrance into the global market for cartilage repair products design

In preclinical studies Agili-C was associated with osteochondral regeneration, good lateral integration and hyaline cartilage formation in critical size defects at 20 months when implanted in a goat, with the implant being fully resorbed between six to 20 months. The Agili-C implant has been implanted in more than 190 patients outside the United States with follow up of more than four years and is CE marked. The implant is currently being evaluated in a pivotal study pursuant to an IDE filed with the FDA. The trial's objective is to demonstrate the superiority of the Agili-C implant over the surgical standard of care (microfracture and debridement) for the treatment of cartilage or osteochondral defects, in both osteoarthritic knees and knees without degenerative changes. The study's protocol design, which is based on feedback from multiple pre-IDE interactions with the FDA, involves broad inclusionary criteria, such as defect size, age, and etiology, multiple controls, including microfracture and debridement, and multiple pre-planned secondary endpoints. The study has an adaptive design, which allows for a maximum of 500 planned patients, includes multiple interim analyses to estimate sample size needs and includes European Union (EU), Israeli and U.S. sites.

Our CartiHeal investment follows the recently completed enrollment and reporting of interim results in CartiHeal's IDE multinational pivotal study for Agili-C. This investment is expected to enable CartiHeal to complete the study, including all patient follow-up, and submit a PMA to the FDA. Under the equity purchase agreement, CartiHeal can secure an additional \$5.0 million from us, if needed, for IDE study completion. We previously made an initial \$2.5 million investment in CartiHeal in January 2018 and a subsequent investment of \$0.2 million in January 2020 as part of prior CartiHeal financing rounds. Any additional investment we make will be subject to customary closing conditions.

Concurrent with the July 15, 2020 investment, we entered into an Option and Equity Purchase Agreement with CartiHeal and its shareholders, which provides us with an exclusive option to acquire 100% of CartiHeal's shares, or the Call Option, and provides CartiHeal with a put option that would require us to purchase 100% of CartiHeal's shares under certain conditions, or the Put Option. The Call Option is exercisable by us at any time after the closing of the investment. The Put Option is only exercisable by CartiHeal upon pivotal clinical trial success, including achievement of certain secondary endpoints and FDA approval of the Agili-C device with a label consistent in all respects with pivotal clinical trial success.

If not previously exercised, the Call Option and the Put Option terminate 45 days following the FDA approval of Agili-C or in the event of failure of the pivotal clinical trial. We also have the right to terminate the Call Option and Put Option at any time ending 30 days after receipt from CartiHeal of the statistical report regarding the final results of the pivotal clinical trial upon payment of a breakup fee of \$30.0 million. Consideration for the acquisition of all of the shares of CartiHeal pursuant to the Call Option or Put Option would be \$350.0 million, all of which would be payable at closing, with an additional \$150.0 million payable upon achievement of certain sales milestones related to Agili-C.

#### **Bone Graft Substitutes**

#### BGSs in spinal fusion and other procedures

Bone grafting is a surgical procedure used to fuse spinal vertebrae, replace missing bones, fix bones that are damaged from trauma or problem joints, or to facilitate growing bones around an implanted device, such as a total knee replacement. The bones used in a bone graft can come from a particular patient's own body, referred to as an autograft, or from a donor, referred to as an allograft, or can be entirely man-made, referred to as a synthetic. Most bone grafts are expected to be reabsorbed and replaced as the natural bone heals over a few months.

Our BGS product portfolio is comprised of clinically efficacious and cost effective bone graft solutions to meet a broad range of patient needs and procedures. Our products are designed to improve bone fusion rates following spinal and other orthopedic surgeries, including trauma and reconstructive foot and ankle procedures. These products include an allograft-derived bone graft with growth factors (OsteoAMP), a DBM (Exponent), cancellous bone in different preparations (PureBone), bioactive synthetics (Signafuse and Interface), a collagen ceramic matrix (OsteoMatrix) and two bone marrow isolation systems (CellXtract and Extractor).

As we build the body of clinical evidence supporting our products, we continue to look for and execute on opportunities to innovate in our BGS portfolio. To meet growing market demand and evolving surgical techniques, we continue to develop product extensions and adjust formulations. For example, we launched OsteoAMP Select in 2019 and we expect to launch OsteoAMP Flowable in 2021. We designed OsteoAMP Flowable to be moldable and easy to use, with a convenient, ready to use syringe.

Product	Indications	Description	Regulatory pathway / year launched
Allograft			
	Orthopedic, neurosurgical and reconstructive bone grafting procedures	An allogeneic bone graft that is available in multiple formats (fibers, putty, sponge and granules) that is processed with bone marrow cells to maintain the wide array of growth factors present in native bone	<ul> <li>Section 361 HCT/P / 2009</li> </ul>
	Posterolateral spine procedures	Derived from human allograft bone tissue and is combined with a migration-resistant resorbable carrier and formulated into a putty	• 510(k) / 2012
	Orthopedic, neurosurgical and reconstructive bone grafting procedures	100% cancellous bone with compressible, elastic and sponge-like attributes, offered in filler, block and strip options, as well as mineralized chips	<ul> <li>Section 361 HCT/P / 2012</li> </ul>
Synthetic			
Signafuse <sup>®</sup> Boactive Bore Graft	Standalone posterolateral spine, extremities and pelvis, as well as a bone graft extender in the posterolateral spine	Bioactive synthetic bone graft substitute comprised of a mixture of calcium phosphate granules and bioglass granules suspended in a resorbable polymer carrier that facilitates handling and delivery of the granule components to fill spaces of missing bone	• 510(k) / 2014
Sinterface Bioactive Bone Graft	Posterolateral spine when mixed with autograft, extremities and pelvis	Bioactive synthetic bone graft in the form of irregular granules of bioglass to repair bone defects	• 510(k) / 2011
Sosteomatrix <sup>®</sup> Refrace Rose Cost	Posterolateral spine, extremities and pelvis	Next-generation mineralized two-phase calcium phosphate bone void filler comprised of a collagen scaffold designed for optimized intra-operative handling and biologic responsiveness at the defect site	• 510(k) / 2010
Signafuse <sup>®</sup> Boactive Bore Croft	Posterolateral spine, extremities and pelvis	Next-generation mineralized bone void filler comprised of bioglass and biphasic mineral granules embedded in a collagen scaffold designed for optimized intra-operative handling and biologic responsiveness at the defect site.	• 510(k) / 2020

## Minimally Invasive Fracture Treatment

## **Bone fractures**

Fractures, also known as broken bones, occur when there is a high force or impact put on a bone, most commonly from trauma resulting from sports injuries, car accidents, falls or from osteoporosis, which is bone weakening due to aging. Immediately following a fracture, patients are treated to realign the fractured bone ends. If possible or required, the affected limb is immobilized using plaster or a splint. In some cases, fractures require surgical fixation with devices such as screws, plates, rods and frames. X-rays, CT and MRI imaging are utilized to verify alignment of the bone and to assess progress towards healing.

A fracture is considered a fresh fracture during the first 14 days after the fracture occurs. After a fracture is treated, new bone tissue begins to form and bridge the gap. With modern treatment methods, most fractures heal spontaneously over the course of several months following injury. However, some fractures fail to heal even when they receive the best surgical or non-surgical treatments. This condition may be diagnosed as a nonunion fracture. Nonunions may occur due to mechanical instability of the fracture site, due to inadequate immobilization, poor blood supply, gaps in bone to bone contact, or a number of comorbidities experienced by the patient. In clinical literature, it is estimated that five to ten percent of all fractures fail to heal, often in high impact fractures or in patients that have compromised health from old age, obesity, cardiovascular disorders, arthritis, diabetes or smoking. A nonunion is considered to be established when the fracture site shows no visibly progressive signs of healing. Nonunions have a negative impact on quality of life with symptoms, such as reduced mobility, swelling, pain, tenderness, deformity and difficulty bearing weight. Patients with nonunions may undergo surgery when certain conditions occur, such as an unstable or misaligned fracture, or a larger inter-fragment gap. Some nonunions can be treated non-surgically using bone stimulation devices.

#### Long bone stimulation systems

We offer our Exogen ultrasound bone healing system for the non-invasive treatment of established nonunion fractures and certain fresh fractures. Our Exogen system was the number one prescribed device in the long bone growth stimulatory market in 2018. It has been sold commercially for over 25 years and is the only FDA-approved device on the market for the accelerated healing of fresh, closed posteriorly displaced distal fractures of the radius and fresh, closed or grade I open long bone fractures.

Product	Description	Regulatory pathway	Region where marketed <sup>(1)</sup>
exogen® ultrasound bone healing system	Ultrasound bone healing system for nonunion fractures and fresh fractures to the tibia and radius <sup>(2)</sup>	<ul> <li>PMA</li> <li>Device approval by Health Canada</li> <li>CE mark and other registrations<sup>(2)</sup></li> </ul>	<ul><li>United States</li><li>Canada</li><li>Europe</li><li>Japan</li></ul>

- <sup>(1)</sup> Our Exogen system is indicated in the United States for the non-invasive treatment of established nonunions, excluding skull and vertebra, and for accelerating the time to a healed fracture for fresh, closed, posteriorly displaced distal radius fractures and fresh, closed or Grade I open long bone fractures in skeletally mature individuals when these fractures are orthopedically managed by closed reduction and cast immobilization. We own our Exogen system and market it both in and outside the United States.
- <sup>(2)</sup> Exogen is also approved for marketing in Australia, Japan, New Zealand, Saudi Arabia, Turkey and the UAE.

Our Exogen system is used to administer treatment in a location of convenience, including at home or work, once daily, for 20 minutes, or as prescribed by the patient's physician, for accelerating bone healing. This therapy provides a cost-effective treatment alternative to surgical intervention for nonunions.

Our Exogen system consists of the portable device, a charger, a gel bottle and strap. The device features a transducer at the end of a coiled cord, a color screen, a power button and a mini-USB charging port to allow for recharging the battery. The transducer sends specifically-programmed low-intensity pulsed ultrasound to the fracture site through the skin and soft tissue, with little or no sensation felt by the patient during the treatment. The gel facilitates ultrasound signal transmission through the patient's skin. Our Exogen system provides an easy to use interface that tracks treatment use and promotes compliance. In a clinical study of our Exogen system, we observed a 91% patient compliance with the treatment regimen, based on median total time of device usage. An additional support tool for the patient is Exogen Connects, a free smartphone app that provides daily automated treatment reminders and helpful healing information.

Our Exogen system utilizes low-intensity pulsed ultrasound technology to stimulate the body's natural bone healing process. The ultrasound output intensity of the device is comparable to diagnostic ultrasound intensity levels used in obstetrical sonogram procedures for fetal monitoring and is typically only one to five percent of the output intensity of conventional therapeutic ultrasound devices used for physical therapy. Some patients report experiencing a tingling sensation at the treatment site. The depth and breadth of the Exogen ultrasound signal enables it to treat superficial and deep indicated fractures. Exogen ultrasound is osteoinductive, which means it stimulates cells to differentiate into osteoblasts, or cells that make new bone. The growth of this new bone helps bridge the gap at the fracture site.

## Comparison of U.S. long bone stimulation devices

Product Manufacturer	Daily treatment times	Technology	Indications
ultrasound bone healing system	20 minutes	Low-intensity pulsed ultrasound	Nonunions and select fresh fractures <sup>(2)</sup>
Bioventus			
CMF OL1000 DJO Global, Inc.	30 minutes	Combined magnetic field	Nonunions
<b>Physio-Stim</b> Orthofix International B.V.	3 hours	Pulsed electromagnetic field	Nonunions
<b>EBI Bone Healing System</b> Zimmer Biomet Holdings, Inc.	10 hours	Pulsed electromagnetic field	Nonunions
<b>OsteoGen</b> Zimmer Biomet Holdings, Inc.	24 hours	Direct electrical current (implanted)	Nonunions
<b>Orthopak 2 Bone Growth Stimulator</b> Zimmer Biomet Holdings, Inc.	24 hours	Capacitive coupling	Nonunions

<sup>(1)</sup> Heal rates for fresh fracture as compared to placebo.

<sup>(2)</sup> Our Exogen system is indicated in the United States for the non-invasive treatment of established nonunions excluding skull and vertebra and for accelerating the time to a healed fracture for fresh, closed, posteriorly displaced distal radius fractures and fresh, closed or Grade I open long bone fractures in skeletally mature individuals when these fractures are orthopedically managed by closed reduction and cast immobilization.

#### Exogen clinical data

In a meta-analysis published by Leighton et al. in 2017 studied heal rates of many different fracture nonunions treated with our Exogen system. A total of 13 eligible studies were identified which reported success of treatment with our Exogen system in 1,441 nonunions. Overall, that analysis estimated that 82% of nonunions of at least three months in age treated with our Exogen system successfully healed. Because healing of established nonunion is not expected without treatment, these findings are compelling. Our Exogen system may be most useful in patients for whom surgery is high risk. With an observed overall average nonunion heal rate of at least 80% after treatment with our Exogen system, the study authors concluded that treatment with our Exogen system was comparable to surgical treatment for nonunion.

Additional published evidence supports the efficacy of our Exogen system in treating fracture nonunions. Established fracture nonunions rarely heal without corrective surgery, though nonunion revision surgery is expensive, invasive and the expected heal rate averages approximately 86%. In a study that looked at patient data collected over a four-year period, Zura et al. found that was that the Exogen system enhanced the heal rate among chronic nonunions and even healed fractures that had been nonunion for more than 10 years, without further surgical intervention. Heal rate was 86.2% among patients with fractures that had not healed for at least one year, 82.7% among 98 patients with chronic nonunion of greater than five years duration, and furthermore 12 patients healed after chronic nonunion of greater than 10 years. Therefore, our Exogen system offers a heal rate comparable to surgery, with fewer associated risks and morbidities.

#### Developmental and clinical pipeline

## Ongoing Bioventus-sponsored clinical studies (B.O.N.E.S.)

While currently indicated for the treatment of both established nonunions, excluding skull and vertebrae, and certain types of conservatively managed acute fractures of the tibia and radius, our Exogen system's use in fracture care management has grown over its 20 year clinical history in both the United States and internationally. The use of our Exogen system for the management of fresh fractures has been the subject of numerous published peer reviewed research articles. The current prescription data indicate that the product's use in routine practice of fresh fracture management is based on clinician's determination of medical necessity, in an effort to mitigate risk of progression to fracture nonunion in at-risk patients.

In order to quantify the effectiveness of our Exogen system in mitigating the risk of progression to fracture nonunion, and in an effort to obtain regulatory approval for expanded indications, we are seeking to supplement the body of clinical knowledge in an innovative population-based clinical development program, B.O.N.E.S., which stands for Bioventus Observational Non-interventional Exogen Studies. With enrollment started in late 2017, the B.O.N.E.S. clinical study design includes the parallel conduct of three independent study protocols which, taken together, are designed to prospectively include more than 3,000 Exogen-treated patients presenting with certain risk factors to be observed over the course of 9 to 12 months. Our Exogen system treated patients will be propensity matched to one or more untreated controls extracted from a real-world health claims database provided by Truven Healthcare Analytics, generating a total sample size of at least 6,000 patients. The program involves the concurrent execution of three studies on pre-specified anatomical locations, such as the tibia, scaphoid and fifth metatarsal, with the objective of determining if the use of our Exogen system mitigates risk of fracture nonunion in predisposed patients. Depending on the results from our studies, we plan to submit a total of three PMA supplements to the FDA, the first of which was submitted in December 2020 seeking approval for the adjunctive treatment of acute and delayed metatarsal fractures to reduce the risk of non-union. We plan to submit the second PMA supplement in the second quarter of 2022 and the third PMA supplement in either the third or fourth quarter of 2023.

#### Sales and marketing

Our expansive direct sales and distribution channel across our product portfolio provides us with broad and differentiated customer reach, and allows us to serve physicians spanning the orthopedic continuum, including sports medicine, total joint reconstruction, hand and upper extremities, foot and ankle, podiatric surgery, trauma, spine and neurosurgery. Our products are widely reimbursed by both public and private health insurers and are sold in the physician's office or clinic, ASCs, and in the hospital setting in the United States and across 37 countries. Our sales team and distributors work directly with our physician customers on a frequent basis, providing us with a significant opportunity to introduce new products and upsell from our current portfolio. We believe our sales organization will provide us with an opportunity to efficiently roll out our deep pipeline and participate in business development opportunities going forward.

Our OA joint pain treatment and joint preservation products and our minimally invasive fracture treatment products are sold by a direct sales team of approximately 240 in the United States and approximately 45 internationally as of December 31, 2020. This direct team is complimented by approximately 20 account representatives who work with our sales team to provide account access through IDNs, GPOs and payer contracting. Our direct sales organization, totaling approximately 305 globally, is supplemented by approximately 35 sales managers. Our sales leaders have considerable experience, with an average of five years of experience. Our BGS products are sold by approximately 170 independent distributors in the United States, each with their own independent sales force, supported by our 15 member regionalized sales support team as of December 31, 2020. We market our BGSs primarily to orthopedic spine surgeons and neurosurgeons for use in the operating room in both the hospital and ASC setting. We believe that our broad customer reach has and will continue to enable strong and durable growth in each of our verticals and provides a significant foundation for future product launches. We support our sales organization with extensive training to help them excel, and we have a performance culture built on serving our core orthopedic patient customers and delivering our products to a variety of physicians and care settings.

#### **Research and clinical operations**

We see significant opportunity to develop innovative and clinically differentiated products internally with our experienced research and development team. We are focused on internal research and development to broaden our portfolio of therapies to manage OA joint pain and joint preservation, expand our Exogen system product label and undertake clinical research to support commercialization of our next-generation of BGS products.

As a result, we expect our research and development expense to increase to the mid-single digits as a percentage of net sales as we introduce new products, extend existing product lines and expand indications. Our research and development activities are focused on product development in BGSs, treatments for OA and soft tissue surgery. Our clinical research is focused on running the B.O.N.E.S. and MOTYS clinical programs, as well as continuing to build our body of clinical evidence to demonstrate the efficacy and value of our products through collaborations with prominent academic investigators. We collaborate with academic centers of excellence, leading contract research organizations and other industrial groups to complement and expedite execution of our research and development expense, including spending on our clinical evidence development efforts, totaled \$11.2 million, \$11.1 million and \$8.1 million for the years ended December 31, 2020, 2019 and 2018, respectively.

#### Competition

The medical device industry is highly competitive, subject to change and significantly affected by activities of industry participants. The multi-injection HA viscosupplementation therapies that we own or distribute compete against Ferring Pharmaceutical Inc.'s Euflexxa, Fidia Farmaceutici S.p.A.'s Hyalgan, DePuy Orthopaedics, Inc. (Johnson & Johnson's) Orthovisc, Sanofi S.A.'s Synvisc and OrthogenRx Inc.'s GenVisc 850. These products have faced significant competition from single injection therapies, such as Sanofi S.A.'s Synvisc-One, Zimmer Biomet Holdings, Inc.'s Gel-One and DePuy Orthopaedics, Inc. (Johnson & Johnson's) Monovisc. Our BGS product portfolio competes with products from Medtronic, DePuy Orthopaedics, Inc. (Johnson & Johnson), Stryker Corporation, NuVasive, Inc., SeaSpine, Inc., Orthofix Medical Inc., Zimmer Biomet Holdings, Inc. and Globus Medical Inc. Our Exogen system competes with products marketed by Orthofix Medical Inc., Zimmer Biomet Holdings, Inc. and DJO Global Inc.

At any time, these or other market participants may develop alternative treatments, products or procedures that compete directly or indirectly with our products. They may also develop and patent processes or products earlier than we can or obtain regulatory clearance or approvals for competing products more rapidly than we can.

#### **Intellectual property**

We strive to protect and enhance the proprietary technologies, inventions and improvements that we believe are important to our business, including seeking, maintaining and defending patent rights, whether developed internally or licensed from third parties. Our policy is to seek to protect our proprietary position by, among other methods, pursuing and obtaining patent protection in the United States and in jurisdictions outside of the United States related to our proprietary technology, inventions and improvements that are important to the development and implementation of our business. We also rely on trademarks, trade secrets and careful monitoring of and contractual obligations with respect to our proprietary information to protect aspects of our business that are not amenable to, or that we do not consider appropriate for, patent protection.

Our success will depend on our ability to obtain and maintain patent and other proprietary protection for commercially important technology, inventions and knowhow related to our business, defend and enforce our patents, maintain our licenses to use intellectual property owned by third parties and operate without infringing the valid and enforceable patents and other proprietary rights of third parties. For important factors related to our proprietary technology, inventions and improvements, please see the section entitled *Part I, Item 1A. Risk Factors*—Risks related to intellectual property.

#### Patents

We own numerous patents and/or patent applications which relate to our material products, including patents and/or patent applications with respect to our Exogen system, OsteoAMP and MOTYS. Although in the aggregate our intellectual property is of material importance to our business, we do not believe that any single patent is of material importance to our product portfolio. As of November 13, 2020, we owned four issued U.S. patents and two pending U.S. patent applications relating to our material products. We also owned nine issued foreign patents and 11 pending foreign patent applications directed to our material products. Our patents and patent applications as of November 30, 2020 directed to our material products are summarized below.

We owned three issued U.S. patents and one issued foreign patent in Australia directed to our Exogen system. The U.S. patents are expected to expire between 2025 and 2029, and the foreign patent is expected to expire in 2025.

We owned one issued U.S. patent, one pending U.S. patent application, eight issued foreign patents, and ten pending foreign patent applications directed to our OsteoAMP product, including foreign patents and patent applications in Europe, Asia, Canada and Australia. The issued U.S. patent is expected to expire in 2029. The issued foreign patents are expected to expire in 2029. The pending patent applications, if issued, are expected to expire in 2029, without accounting for potential patent term extensions and adjustments.

We also own one pending U.S. patent application and one pending Patent Cooperation Treaty application directed to MOTYS. Patents issuing from these applications, if any, are expected to expire in 2040, without accounting for potential patent term extensions and adjustments. Our patents and pending patent applications directed to our material products are detailed in the below table.

Country	Application Number	Filing Date	Patent Number	Application Status	Expected Expiration Date	Description	Product
AU	2009324417	December 13, 2009	2009324417	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
AU	2014259553	November 14, 2014	2014259553	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP



Country	Application Number	Filing Date	Patent Number	Application Status	Expected Expiration Date	Description	Product
AU	2016213839	August 11, 2016	2016213839	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
CA	2746668	December 13, 2009	2746668	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
CN	200980155596.X	December 13, 2009	200980155596.X	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
CN	201410413348.3	August 20, 2014	201410413348.3	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
EP	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
НК	15105678.1	June 16, 2015	HK1205007	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
IN	2567/KOLNP/2011	February 4, 2016		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
KR	10-2011-7016270	July 2, 2019	10-1713346	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
US	15/016072	December 13, 2009	10383974	Issued	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
US	16/459778	February 4, 2016		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
GB	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
FR	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
DE	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
IT	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
СН	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
BE	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
ES	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
PT	9832666.3	December 13, 2009		Pending	December 2029	Directed to methods of making osteoinductive implants	OsteoAMP
US	09/925,193	August 9, 2001	7429248	Granted	July 2025	Directed to applying ultrasound to tissue using a modal converter having a plurality of angled sides.	Exogen
AU	2006203281	August 1, 2006	2006203281	Granted	August 2025	Directed to treating a neuropathy disease with ultrasound using a specific frequency and pulse rate for the signal	Exogen
US	11/462271	August 3, 2006	8048006	Granted	February 2029	Directed to treating a neuropathy disease with ultrasound using a specific frequency and pulse rate for the signal	Exogen

_	Country	Application Number	Filing Date	Patent Number	Application Status	Expected Expiration Date	Description	Product
_	US	12/296,333	April 7, 2007	8226582	Granted	June 2028	Directed to applying ultrasound to tissue using a modal converter having an oblique angle and speed of sound similar to human tissue	Exogen
	US	17/097,350	November 13, 2020		Pending	November 2040	Directed to placental tissue particulates compositions, methods of treating musculoskeletal or orthopedic conditions, methods of treating pain associated with osteoarthritis, kits and methods of making the compositions	MOTYS
	РСТ	PCT/US20/60393	November 13, 2020		Pending	November 2010	Directed to placental tissue particulates compositions, for use in treating musculoskeletal or orthopedic conditions, methods of treating pain associated with osteoarthritis, kits and methods of making the compositions	MOTYS

#### Trademarks

We own registered trademarks for Bioventus, Cellxtract, Durolane, Exogen, Exponent, Gelsyn-3, OsteoAMP, Osteofuse, Prohesion, PureBone, SAFHS, and Signafuse in the United States.

## Trade secrets

We may rely on trade secret law to protect some of our technology, including the processing of tissue for OsteoAMP. Trade secrets, however, can be difficult to protect. We seek to protect our proprietary technology and manufacturing process, in part, by confidentiality and invention assignment agreements with employees, under which they are bound to assign to us inventions that are made during the term of their employment and relate to our business, unless there is an exception. These agreements further prohibit our employees from using, disclosing, or bringing onto the premises any proprietary information belonging to any third-party. In addition, our consultants, scientific advisors and contractors are required to sign agreements under which they must assign to us any inventions that relate to our business. These agreements also prohibit these third-parties from incorporating into any inventions the proprietary rights of third-parties without informing us. It is our policy to require all employees to document potential inventions and other intellectual property in laboratory notebooks and to disclose inventions to patent counsel.

We also seek to preserve the integrity and confidentiality of our data and trade secrets by taking commercially reasonable efforts to maintain the physical security of our premises and physical and electronic security of our information technology systems.

While we have confidence in these individuals, organizations and systems, our security measures may be breached, or may otherwise prove inadequate to protect the integrity and confidentiality of our data and trade secrets. Further, our agreements may be breached (or not obtained in the first place) and we may not have adequate remedies for any breach. In addition, our trade secrets may otherwise become known or be independently discovered by competitors. To the extent that our consultants, contractors or collaborators use intellectual property owned by others in their work for us, disputes may arise as to the rights in related or resulting know-how and inventions.

In addition to patents, trademarks, and trade secrets, we also rely on assignment and license agreements, pursuant to which we may license rights under patents held by third parties, and non-disclosure agreements, to protect our proprietary intellectual property.

We obtain assignments or licenses of varying durations for certain of our products from third parties. We typically acquire rights under such assignments or licenses in exchange for lump-sum payments or arrangements under which we pay a percentage of sales to the licensor. However, while assignments or licenses to us generally are irrevocable, no assurance can be given that these arrangements will continue to be made available to us on terms that are acceptable to us, or at all. The terms of our license and assignment agreements vary in length from a specified number of years to the life of product patents or the economic life of the product. These agreements generally provide for royalty payments and termination rights in the event of a material breach.

## Manufacturing and supply

Our HA viscosupplementation therapies and certain of our surgical products are manufactured exclusively by single-source third-party manufacturers, pursuant to multi-year supply agreements. We work closely with each of our manufacturing partners and provide them with a forecast, which enables them to better capacity plan and sequence their production efficiently.

For Durolane, we are subject to minimum order volumes for each order and purchase amounts are also based in part on forecasts. For GELSYN-3, we will be subject to certain annual minimum purchase requirements and purchase amounts based on rolling forecasts. For SUPARTZ FX, we are subject to certain annual minimum purchase requirements based on a percentage of our SUPARTZ FX annual forecast.

For Durolane, in December 2016, we entered into an amended and restated supply agreement, or the Q-Med Supply Agreement, with Q-Med AB, or Q-Med. Under the Q-Med Supply Agreement, Q-Med supplies Durolane products exclusively to us for sale in the United States for use in the in the prevention or treatment of pain due to OA on a purchase order basis, based on the amounts of Durolane we require as set forth in rolling forecasts and we are subject to certain semiannual minimum purchase requirements based on a percentage of our Durolane forecast.

We assemble, inspect, test and package our Exogen system at our facility in Cordova, Tennessee with components supplied by third-party suppliers. Our Exogen system includes a transducer which is a key component that is supplied by a single-source supplier. We perform inspections of these components before use in our manufacturing operations. We believe our manufacturing operations are in compliance with regulations mandated by the FDA. We are an FDA-registered medical device manufacturer. Our manufacturing facilities and processes are subject to periodic inspections and audits by various federal, state and foreign regulatory agencies.

MTF will exclusively manufacture and supply MOTYS under current Good Tissue Practices (cGTPs) to us to allow for our limited commercialization that began in the fourth quarter of 2020 under the tissue regulations while we pursue a BLA for the product. MTF is responsible for obtaining and storing all materials, including all tissue materials, required for the manufacture, testing, handling, packaging, labeling, release and delivery of the product to us.

We intend to maintain sufficient supplies of the products and components from these single-source suppliers in the event that one or more of these suppliers were to encounter certain interruptions in supply.

#### **Government regulation**

#### Government regulation of medical devices

Our medical devices are subject to regulation by numerous government agencies, including the FDA and comparable foreign agencies. The FDA and other U.S. and foreign governmental agencies regulate, among other things, with respect to medical devices:

- design, development and manufacturing;
- testing, labeling, content and language of instructions for use and storage;
- clinical trials;
- product safety;
- marketing, sales and distribution;
- premarket clearance and approval;
- record keeping procedures;
- advertising and promotion;
- recalls and field safety corrective actions;
- postmarket surveillance, including reporting of deaths or serious injuries and malfunctions that, if they were to recur, could lead to death or serious injury;
- · postmarket approval studies; and
- product import and export.

The regulations to which we are subject are complex and have tended to become more stringent over time. Regulatory changes could result in restrictions on our ability to carry on or expand our operations, higher than anticipated costs or lower than anticipated sales.

#### FDA premarket clearance and approval requirements

Each medical device we seek to commercially distribute in the United States must first receive 510(k) clearance or approval of a PMA application from the FDA, unless specifically exempt. The FDA classifies all medical devices into one of three classes. Devices deemed to pose lower risk are categorized as either Class I or Class II. Class II devices require the manufacturer to submit to the FDA a 510(k) pre-market notification requesting clearance of the device for commercial distribution in the United States. Class I devices are exempted from this requirement. Devices deemed by the FDA to pose the greatest risk, such as life sustaining, life-supporting, selected implantable devices, or devices deemed not substantially equivalent to a previously 510(k) cleared device, are categorized as Class III, generally requiring submission and approval of a PMA.

#### 510(k) clearance process

To obtain 510(k) clearance, we must submit a premarket notification to the FDA demonstrating the proposed device to be substantially equivalent to a predicate device. A predicate is a previously cleared 510(k) device, a device that was in commercial distribution before May 28, 1976 for which the FDA has not yet called for the submission of PMA applications, or is a device that has been reclassified from Class III to either Class II or I. The standard review process for 510(k) s is between 30 days to 3 months, dependent upon the type of 510(k) filing submitted. Although many 510(k) premarket notifications are cleared without clinical data, in some cases, the FDA may require clinical data to support substantial equivalence. In reviewing a premarket notification, the FDA may request additional information, including clinical data, which may significantly prolong the review process and clearance is never assured.

After a device receives 510(k) clearance, any subsequent modification of the device that could significantly affect its safety or effectiveness, or that would constitute a major change in its intended use, requires a new 510(k) clearance or could require submission and approval of a PMA application in cases where new indications are sought for which there is no predicate. Non-significant changes are handled via internal documentation by the Company. Each manufacturer must judge the significance of modifications based on algorithms within FDA 510(k) guidance documents. FDA may review any such decision and may disagree with a manufacturer's determination, the FDA may require the manufacturer to cease marketing and/or recall the modified device until 510(k) clearance or PMA approval is obtained. We have modified aspects of some of our devices since receiving initial regulatory clearance. We concluded that some of those modifications did not significantly affect the safety or efficacy of the device. In the future, we may make additional modifications to our products after they have received FDA clearance or approval and in appropriate circumstances, determine that new clearance or approval is unnecessary. However, the FDA may disagree with our determination and if the FDA requires us to seek 510(k) clearance or submit new PMA applications for any modifications to a previously cleared product, we may be required to cease marketing or recall the modified device until we obtain the required clearance or approval. Under these circumstances, we may also be subject to significant regulatory fines or other penalties.

We have obtained 510(k) premarket clearance from the FDA for Signafuse Bioactive Bone Graft Putty, Interface Bioactive Bone Graft, Osteomatrix +, and Signafuse Mineralized Collagen Scaffold.

#### Premarket approval process

A PMA application must be submitted if the medical device is in Class III (although the FDA has the discretion to continue to allow certain pre-amendment Class III devices to use the 510(k) process) or cannot be cleared through the 510(k) process. A PMA application must be supported by, among other things, extensive technical, preclinical, clinical trials, manufacturing and labeling data to demonstrate to the FDA's satisfaction the safety and effectiveness of the device.



After a PMA application is submitted and filed, the FDA begins an in-depth review of the submitted information. The standard review of such application is six months. During this review period, the FDA may request additional information or clarification of information already provided. This can extend the overall review process and typically PMAs take between one to three years in total for approval. Also during the review period, an advisory panel of experts from outside the FDA will usually be convened for a new type of device to review and evaluate the application and provide recommendations to the FDA as to the approvability of the device. In addition, the FDA will conduct a pre-approval inspection of the manufacturing facility to ensure compliance with Quality System Regulation (QSR), which impose elaborate design development, testing, control, documentation and other quality assurance procedures in the design and manufacturing process. The FDA may approve a PMA application with post-approval conditions intended to ensure the safety and effectiveness of the device including, among other things, restrictions on labeling, promotion, sale and distribution and collection of long-term follow-up data from patients in the clinical study that supported approval. Failure to comply with the conditions to the manufacturing process, labeling of the product and design of a device that is approved through the PMA supplements are required for significant modifications to the manufacturing process, labeling of the product and design of a device that is approved through the PMA supplements requires submission of information needed to support any changes from the device covered by the original PMA and typically do not require clinical data or the convening of an advisory panel. Non-significant changes must be reported to the FDA through an annual report filing with the FDA. In review of this Annual Report, FDA may disagree with a manufacturer's determination of the level of significance of the change. If the FDA disagrees w

Durolane, GELSYN-3, SUPARTZ FX and our Exogen bone healing system have each been approved through the PMA process.

#### **Clinical trials**

A clinical trial is typically required to support a PMA and is sometimes required for a 510(k) premarket notification. In the United States, authorization to conduct a clinical trial generally requires submission of an application for an IDE to the FDA. The IDE application must be supported by appropriate data, such as animal and laboratory testing results, showing that it is safe to test the device in humans and that the investigational protocol is scientifically sound. The IDE application must be approved in advance by the FDA for a specified number of patients, unless the product is deemed a non-significant risk device and eligible for abbreviated IDE requirements. Clinical trials for a significant risk device may begin once the IDE application is approved by the FDA as well as the appropriate institutional review boards (IRBs), at the clinical trial sites and the informed consent of the patients participating in the clinical trial is obtained. After a trial begins, the FDA may place it on hold or terminate it if, among other reasons, it concludes that the clinical subjects are exposed to an unacceptable health risk. Any trials we conduct must be conducted in accordance with FDA regulations as well as other federal regulations and state laws concerning human subject protection and privacy. Moreover, the results of a clinical trial may not be sufficient to obtain clearance or approval of the product.

## Pervasive and continuing FDA regulation

After a medical device is placed on the market, numerous FDA regulatory requirements apply, including, but not limited to the following:

- QSRs, which requires manufacturers to follow design, testing, control, documentation and other quality assurance procedures during the manufacturing process;
- Establishment Registration, which requires establishments involved in the production and distribution of medical devices, intended for commercial distribution in the United States, to register with the FDA;
- Medical Device Listing, which requires manufacturers to list the devices they have in commercial distribution with the FDA;
- Labeling regulations, which prohibit "misbranded" devices from entering the market, as well as prohibit the promotion of products for unapproved or offlabel uses and impose other restrictions on labeling;
- Postmarket surveillance, including Medical Device Reporting (MDR) requirements which requires manufacturers to report to the FDA if their device may have caused or contributed to a death or serious injury, or malfunctioned in a way that would likely cause or contribute to a death or serious injury if it were to recur; and
- Corrections and Removal Reporting regulations, which require that manufacturers report to the FDA field corrections and product recalls or removals if undertaken to reduce a risk to health posed by the device or to remedy a violation of the United States Federal Food, Drug, and Cosmetic Act (FDCA) that may present a risk to health.

The FDA enforces these requirements by inspection and market surveillance. Failure to comply with applicable regulatory requirements may result in enforcement action by the FDA, which may include one or more of the following sanctions:

- untitled letters or warning letters;
- fines, injunctions and civil penalties;
- mandatory recall or seizure of our products;
- administrative detention or banning of our products;
- operating restrictions, partial suspension or total shutdown of production;
- refusing our request for 510(k) clearances or PMA approvals for new product versions;
- revocation of 510(k) clearances or PMA approvals previously granted; and
- criminal prosecution and penalties.

## U.S. regulation of HCT/Ps

Our products, including OsteoAMP and PureBone, are regulated as human cells, tissues and cellular and tissue-based products, or HCT/Ps. Section 361 of the PHSA authorizes the FDA to issue regulations to prevent the introduction, transmission or spread of communicable disease. HCT/Ps regulated as "Section 361" HCT/Ps are subject to requirements relating to registering facilities and listing products with the FDA, screening and testing for tissue donor eligibility, cGTP, when processing, storing, labeling and distributing HCT/Ps, including required labeling information, stringent record keeping and adverse event reporting, among other applicable requirements and laws. Specifically, cGTPs are requirements that govern the methods used in, and the facilities and controls used for, the manufacture of HCT/Ps in a way that prevents the introduction, transmission, or spread of communicable diseases. Section 361 HCT/Ps do not require 510(k) clearance, PMA approval, BLAs, or other premarket authorization from the FDA before marketing. However, to be regulated as a Section 361 HCT/P, the product must, among other things, be "minimally manipulated," which for structural tissue products means that the manufacturing processes do not alter the original relevant characteristics of the tissue relating to the tissue's utility for reconstruction, repair, or replacement and for cells or nonstructural tissue products, means that the manufacturing processes do not alter the relevant biological characteristics of cells or tissues with an HCT/P that performs the same basic function or functions in the require the relevant biological characteristics of cells or tissues with an HCT/P that performs the same basic function or functions in the recipient as in the donor.

We believe our OsteoAMP product is properly regulated as a Section 361 HCT/P and therefore have not sought or obtained 510(k) clearance, PMA approval, or licensure through a BLA. However, the FDA's Center for Devices and Radiological Health (CDRH) issued us a letter in March 2016 in which it asserted that OsteoAMP meets the definition of a medical device and requested that we provide CDRH with information in support of our position that OsteoAMP does not require 510(k) clearance or PMA approval. We provided CDRH with the requested information in support of this position in May 2016 and we have received no further inquiries to date. We believe that CDRH's assertion is unfounded and inconsistent with a 2011 letter from the FDA concluding that OsteoAMP meets the criteria for regulation solely as a Section 361 HCT/P. However, if the FDA were to disagree and if we are otherwise unsuccessful in asserting our position, the FDA may then require that we obtain 510(k) clearance or PMA approval and that we cease marketing OsteoAMP and/or recall OsteoAMP unless and until we receive clearance or approval. We estimate that if we were to cease marketing OsteoAmp and/or recall OsteoAMP unless would decrease, which would adversely affect our results of operations. See *Part I, Item 1A. Risk Factors*—Risks related to government regulation—Our HCT/P products are subject to extensive government regulation and our failure to comply with these requirements could cause our business to suffer.

HCT/Ps that do not meet the criteria of Section 361 are regulated under Section 351 of the PHSA. Unlike 361 HCT/Ps, HCT/Ps regulated as "351" HCT/Ps are subject to premarket review and/or approval by the FDA, as required.

In November 2017, the FDA released a guidance document entitled "Regulatory Considerations for Human Cells, Tissues, and Cellular and Tissue—Based Products: Minimal Manipulation and Homologous Use—Guidance for Industry and Food and Drug Administration Staff." The guidance outlined the FDA's position that all lyophilized amniotic products are more than minimally manipulated and would therefore require a BLA to be lawfully marketed in the United States. The guidance also indicated that the FDA would exercise enforcement discretion, using a risk-based approach, with respect to the IND application and premarket approval requirements for certain HCT/Ps for a period of 36 months from the issuance date of the guidance to allow manufacturers to pursue its IND application. Under this approach, FDA indicated that high-risk products and uses could be subject to immediate enforcement action. In July 2020, the FDA extended its period of enforcement discretion to May 31, 2021.

Failure to comply with statutory and regulatory requirements subjects a manufacturer to possible legal or regulatory action, including the seizure or recall of products, injunctions, consent decrees placing significant restrictions on or suspending manufacturing operations and civil and criminal penalties.



## U.S. regulation of drugs and biologics

We expect that MOTYS will be regulated by the FDA as a biological product, or biologic, and we plan to submit a BLA to the FDA to allow for the marketing of MOTYS following the expiration of the FDA's enforcement discretion period for certain HCT/Ps. Biologics are regulated under both the FDCA and the PHSA and other federal, state, local and foreign statutes and regulations. We, along with third-party contractors, will be required to navigate the various preclinical, clinical and commercial approval requirements of the governing regulatory agencies of the countries in which we wish to conduct studies or seek approval or licensure of our product candidates.

The process required by the FDA before product candidates may be marketed in the United States generally involves the following:

- completion of extensive preclinical laboratory tests and animal studies performed in accordance with applicable regulations, including the FDA's Good Laboratory Practice (GLP), regulations;
- submission to the FDA of an IND which must become effective before clinical trials may begin;
- approval by an independent institutional review board, or IRB, or ethics committee at each clinical site before the trial is commenced;
- performance of adequate and well-controlled human clinical trials to establish the safety and effectiveness of the proposed drug candidate and the safety, purity and potency of the proposed biologic product candidate for its intended purpose;
- preparation of and submission to the FDA of an New Drug Application (NDA) or BLA after completion of all pivotal clinical trials;
- satisfactory completion of an FDA Advisory Committee review, if applicable;
- a determination by the FDA within 60 days of its receipt of a NDA or BLA to file the application for review;
- satisfactory completion of an FDA pre-approval inspection of the manufacturing facility or facilities at which the proposed product is produced to assess
  compliance with cGMP requirements, and to assure that the facilities, methods and controls are adequate to preserve the product's safety and
  effectiveness, and of selected clinical investigation sites to assess compliance with GCPs; and
- FDA review and approval of a NDA or BLA to permit commercial marketing of the product for particular indications for use in the United States.

#### Preclinical and Clinical Development

Prior to beginning the first clinical trial with a product candidate, we must submit an IND to the FDA. An IND is a request for authorization from the FDA to administer an investigational new drug product to humans. The central focus of an IND submission is on the general investigational plan and the protocol or protocols clinical trials. The IND also includes results of animal and *in vitro* studies assessing the toxicology, pharmacokinetics, pharmacology and pharmacodynamic characteristics of the product, chemistry, manufacturing and controls (CMC), information, and any available human data or literature to support the use of the investigational product. An IND must become effective before human clinical trials may begin. The IND automatically becomes effective 30 days after receipt by the FDA, unless the FDA, within the 30-day period, raises safety concerns or questions about the proposed clinical trial. In such a case, the IND may be placed on clinical hold and the IND sponsor and the FDA must resolve any outstanding concerns or questions before the clinical trial can begin. Submission of an IND therefore may or may not result in FDA authorization to begin a clinical trial.

Clinical trials involve the administration of the investigational product to human subjects under the supervision of qualified investigators in accordance with good clinical practices (GCPs), which include the requirement that all research subjects provide their informed consent for their participation in any clinical study. Clinical trials are conducted under protocols detailing, among other things, the objectives of the study, the parameters to be used in monitoring safety and the effectiveness criteria to be evaluated. A separate submission to the existing IND must be made for each successive clinical trial conducted during product development and for any subsequent protocol amendments. Furthermore, an independent IRB for each site proposing to conduct the clinical trial must review and approve the plan for any clinical trial and its informed consent form before the clinical trial begins at that site, and must monitor the study until completed. Regulatory authorities, the IRB or the sponsor may suspend a clinical trial at any time on various grounds, including a finding that the subjects are being exposed to an unacceptable health risk or that the trial is unlikely to meet its stated objectives. Some studies also include oversight by an independent group of qualified experts organized by the clinical study sponsor, known as a data safety monitoring board, which provides authorization for whether or not a study may move forward at designated check points based on access to certain data from the study and may halt the clinical trial if it determines that there is an unacceptable safety risk for subjects or other grounds, such as no demonstration of efficacy. There are also requirements governing the reporting of ongoing preclinical studies and clinical trials and clinical study results to public registries.

For purposes of regulatory approval, human clinical trials are typically conducted in three sequential phases that may overlap or be combined:

- *Phase 1*. The investigational product is initially introduced into patients with the target disease or condition. These studies are designed to test the safety, dosage tolerance, absorption, metabolism and distribution of the investigational product in humans, the side effects associated with increasing doses, and, if possible, to gain early evidence on effectiveness.
- Phase 2. The investigational product is administered to a limited patient population to evaluate the preliminary efficacy, optimal dosages and dosing schedule and to identify possible adverse side effects and safety risks.
- *Phase 3.* The investigational product is administered to an expanded patient population to further evaluate dosage, to provide statistically significant evidence of clinical efficacy and to further test for safety, generally at multiple geographically dispersed clinical trial sites. These clinical trials are intended to establish the overall risk/benefit ratio of the investigational product and to provide an adequate basis for product approval.

In some cases, the FDA may require, or companies may voluntarily pursue, additional clinical trials after a product is approved to gain more information about the product. These so-called Phase 4 studies may be made a condition to approval of the NDA or BLA. Concurrent with clinical trials, companies may complete additional animal studies and develop additional information about the biological characteristics of the product candidate, and must finalize a process for manufacturing the product in commercial quantities in accordance with cGMP requirements. The manufacturing process must be capable of consistently producing quality batches of the product candidate and, among other things, must develop methods for testing the identity, strength, quality and purity of the final product, or for biologics, the safety, purity and potency. Additionally, appropriate packaging must be selected and tested and stability studies must be conducted to demonstrate that the product candidate does not undergo unacceptable deterioration over its shelf life.

During all phases of clinical development, regulatory agencies require extensive monitoring and auditing of all clinical activities, clinical data, and clinical study investigators. The FDA or the sponsor or its data safety monitoring board may suspend a clinical study at any time on various grounds, including a finding that the research participant or participants are being exposed to an unacceptable health risk. Similarly, an IRB can suspend or terminate approval of a clinical study at its institution if the clinical study is not being conducted in accordance with the IRB's requirements or if the product candidate has been associated with unexpected serious harm to patients. There are also requirements governing the reporting of ongoing clinical trials and completed clinical trial results to public registries. Sponsors of clinical trials of FDA-regulated products may be required to register and disclose certain clinical trial information, which is publicly available at www.clinicaltrials.gov.

#### NDA or BLA Submission and Review

Assuming successful completion of all required testing in accordance with all applicable regulatory requirements, the results of product development, nonclinical studies and clinical trials are submitted to the FDA as part of a NDA or BLA requesting approval to market the product for one or more indications. The NDA or BLA must include all relevant data available from pertinent preclinical studies and clinical trials, including negative or ambiguous results as well as positive findings, together with detailed information relating to the product's CMCs and proposed labeling, among other things. The submission of a NDA or BLA requires payment of a substantial application user fee to the FDA, unless a waiver or exemption applies. The FDA has 60 days from the applicant's submission of a NDA or BLA to either issue a refusal to file letter or accept the NDA or BLA for filing, indicating that it is sufficiently complete to permit substantive review.

Once a NDA or BLA has been accepted for filing, the FDA's goal is to review standard applications within ten months after it accepts the application for filing, or, if the application qualifies for priority review, six months after the FDA accepts the application for filing. In both standard and priority reviews, the review process is often significantly extended by FDA requests for additional information or clarification. The FDA reviews a NDA or BLA to determine, among other things, whether a product is safe and effective, or safe, pure, and potent, for its intended use, and whether the facility in which it is manufactured, processed, packed or held meets standards designed to assure and preserve the product's identity, safety, strength, quality, potency and purity. The FDA may convene an advisory committee to provide clinical insight on application review questions. Before approving a NDA or BLA, the FDA will typically inspect the facilities are in compliance with cGMP requirements and adequate to assure consistent production of the product within required specifications. Additionally, before approving a NDA or BLA, the FDA will typically inspect one or more clinical sites to assure compliance with GCPs. If the FDA determines that the application, manufacturing processes or manufacturing facilities are not acceptable, it will outline the deficiencies in the submission and often will request additional testing or information. Notwithstanding the submission of any requested additional information, the FDA ultimately may decide that the application does not satisfy the regulatory criteria for approval.

After the FDA evaluates a NDA or BLA and conducts inspections of manufacturing facilities where the investigational product and/or its drug substance will be manufactured, the FDA may issue an approval letter or a Complete Response letter. An approval letter authorizes commercial marketing of the product with specific prescribing information for specific indications. A Complete Response letter will describe all of the deficiencies that the FDA has identified in the NDA or BLA, except that where the FDA determines that the data supporting the application are inadequate to support approval, the FDA may issue the Complete Response letter, without first conducting required inspections, testing submitted product lots and/or reviewing proposed labeling. In issuing the Complete Response letter, the FDA may recommend actions that the applicant might take to place the NDA or BLA in condition for approval, including requests for additional information or clarification, including the potential requirement for additional clinical studies. The FDA may delay or refuse approval of a BLA if applicable regulatory criteria are not satisfied, require additional testing or information and/or require post-marketing testing and surveillance to monitor safety or efficacy of a product.

If regulatory approval of a product is granted, such approval will be granted for particular indications and may entail limitations on the indicated uses for which such product may be marketed. For example, the FDA may approve the NDA or BLA with a Risk Evaluation and Mitigation Strategy, or REMS, to ensure the benefits of the product outweigh its risks. A REMS is a safety strategy to manage a known or potential serious risk associated with a product and to enable patients to have continued access to such medicines by managing their safe use, and could include medication guides, physician communication plans, or elements to assure safe use, such as restricted distribution methods, patient registries and other risk minimization tools. The FDA also may condition approval on, among other things, changes to proposed labeling or the development of adequate controls and specifications. Once approved, the FDA may withdraw the product approval if compliance with pre- and post-marketing requirements is not maintained or if problems occur after the product reaches the marketplace. The FDA may require one or more Phase 4 post-market studies and surveillance to further assess and monitor the product's safety and effectiveness after commercialization, and may limit further marketing of the product based on the results of these post-marketing studies.

#### **Post-Approval Requirements**

Any products manufactured or distributed by us pursuant to FDA approvals are subject to pervasive and continuing regulation by the FDA, including, among other things, requirements relating to record-keeping, reporting of adverse experiences, periodic reporting, product sampling and distribution, and advertising and promotion of the product. After approval, most changes to the approved product, such as adding new indications or other labeling claims, are subject to prior FDA review and approval. There also are continuing user fee requirements, under which the FDA assesses an annual program fee for each product identified in an approved NDA or BLA. Manufacturers and their subcontractors are required to register their establishments with the FDA and certain state agencies, and are subject to periodic unannounced inspections by the FDA and certain state agencies for compliance with cGMPs, which impose certain procedural and documentation requirements upon us and our third-party manufacturers. Changes to the manufacturing process are strictly regulated, and, depending on the significance of the change, may require prior FDA approval before being implemented. FDA regulations also require investigation and correction of any deviations from cGMPs and impose reporting requirements upon us and any third-party manufacturers that we may decide to use. Accordingly, manufacturers must continue to expend time, money and effort in the area of production and quality control to maintain compliance with cGMPs and other aspects of regulatory compliance.

The FDA may withdraw approval if compliance with regulatory requirements and standards is not maintained or if problems occur after the product reaches the market. Later discovery of previously unknown problems with a product, including adverse events of unanticipated severity or frequency, or with manufacturing processes, or failure to comply with regulatory requirements, may result in revisions to the approved labeling to add new safety information; imposition of post-market studies or clinical studies to assess new safety risks; or imposition of distribution restrictions or other restrictions under a Risk Evaluation and Mitigation Strategy (REMS) program. Other potential consequences include, among other things:

- restrictions on the marketing or manufacturing of a product, complete withdrawal of the product from the market or product recalls;
- fines, warning or untitled letters or holds on post-approval clinical studies;
- refusal of the FDA to approve pending applications or supplements to approved applications, or suspension or revocation of existing product approvals;
- product seizure or detention, or refusal of the FDA to permit the import or export of products;
- consent decrees, corporate integrity agreements, debarment or exclusion from federal healthcare programs;
- mandated modification of promotional materials and labeling and the issuance of corrective information;
- the issuance of safety alerts, Dear Healthcare Provider letters, press releases and other communications containing warnings or other safety information about the product; or
- injunctions or the imposition of civil or criminal penalties.

The FDA closely regulates the marketing, labeling, advertising and promotion of drugs and biologics. A company can make only those claims relating to safety and efficacy, purity and potency that are approved by the FDA and in accordance with the provisions of the approved label. However, companies may share truthful and not misleading information that is otherwise consistent with a product's FDA approved labeling. The FDA and other agencies actively enforce the laws and regulations prohibiting the promotion of off-label uses. Failure to comply with these requirements can result in, among other things, adverse publicity, warning letters, corrective advertising and potential civil and criminal penalties. Physicians may prescribe legally available products for uses that are not described in the product's labeling and that differ from those tested by us and approved by the FDA, but physicians may not submit claims for reimbursement that are false or fraudulent. Such off-label uses are common across medical specialties. Physicians may believe that such off-label uses are the best treatment for many patients in varied circumstances. The FDA does not regulate the behavior of physicians in their choice of treatments. The FDA does, however, restrict manufacturer's communications on the subject of off-label use of their products.

#### International regulation of medical devices

Sales of medical devices outside the United States are subject to foreign government regulations, which vary substantially from country to country. In order to market our products in other countries, we must obtain regulatory approvals and comply with extensive safety and quality regulations in other countries. The time required to obtain approval by a foreign country may be longer or shorter than that required for FDA approval and the requirements may differ significantly.

#### EU regulation of medical devices

The EU has adopted legislation, in the form of directives to be implemented in each Member State, concerning the regulation of medical devices within the EU. The directives include, among others, the Medical Device Directive (Council Directive 93/42/EEC) that establishes certain requirements, such as the essential requirements, with which medical devices must comply before they can be commercialized in the European Economic Area (EEA) (which is comprised of the Member States of the EU plus Norway, Liechtenstein and Iceland). Under the EU Medical Device Directive, medical devices are classified into four Classes, I, IIa, IIb and III, with Class I being the lowest risk and Class III being the highest risk. Under the Medical Device Directive, a competent authority is nominated by the government of each Member State to monitor and ensure compliance with the Directive. To demonstrate compliance of their medical devices with the essential requirements, manufacturers must undergo a conformity assessment evaluation, which varies according to the type of medical device and its classification. Except for certain types of low risk medical devices (Class I non-sterile, non-measuring devices), where the manufacturer can issue an EC Declaration of Conformity based on a self-assessment of the conformity of its products with the essential requirements of the Medical Devices Directive, a conformity assessment evaluation requires the intervention of an organization accredited by a Member State of the EEA to conduct conformity assessments, a so-called Notified Body. The Notified Body would typically audit and examine the quality system for the manufacture, design and final inspection of the medical devices, along with conducting a technical review of data supporting the device's safety and efficacy, before issuing a certification demonstrating compliance with the essential requirements. Both the quality system and the product are reviewed and certified. The Company is subject to annual surveillance audits by the Notified Body and must undergo recertification every 5 years. During these audits, (minor or major) non-conformities to the essential requirement may be issued to the Company. The Company could potentially lose marketing authorization if these non-conformities are not remediated with the Notified Body. Significant modifications to the quality system or product changes for Class III devices must be submitted to the Notified Body for review prior to implementation. Non-significant changes are subject to review during the annual surveillance audits. Medical devices that comply with the essential requirements are entitled to bear the CE mark. Medical devices properly bearing the CE mark may be commercially distributed throughout the EEA. We have received CE certification from the British Standards Institute, a United Kingdom Notified Body, for conformity with the EU Medical Device Directive allowing us to place the CE mark on Durolane (Class III) and our Exogen bone healing system (Class IIa). Additional PMAs in individual EEA countries are sometimes required prior to marketing of a product. Failure to maintain the CE mark would preclude us from selling our products in the EEA, as could failure to comply with the specific requirements of the Member States.

On April 5, 2017, the European Parliament passed the Medical Devices Regulation, which repeals and replaces the EU Medical Devices Directive. Unlike directives, which must be implemented into the national laws of the EEA Member States, the regulations would be directly applicable without the need for adoption of EEA Member State laws implementing them in all EEA Member States and are intended to eliminate current differences in the regulation of medical devices among EEA Member States. The Medical Devices Regulation, among other things, is intended to establish a uniform, transparent, predictable and sustainable regulatory framework across the EEA for medical devices and *in vitro* diagnostic devices and ensure a high level of safety and health while supporting innovation.

The Medical Devices Regulation was meant to become applicable three years after publication (in May 2020). However, on April 23, 2020, to take the pressure off EEA national authorities, notified bodies, manufacturers and other actors so they can focus fully on urgent priorities related to the COVID-19 pandemic, the European Council and Parliament adopted Regulation 2020/561, postponing the date of application of the Medical Devices Regulation by one year (to May 2021). Once applicable, the new regulations will among other things:

- strengthen the rules on placing devices on the market and reinforce surveillance once they are available;
- establish explicit provisions on manufacturers' responsibilities for the follow-up on the quality, performance and safety of devices placed on the market;
- improve the traceability of medical devices throughout the supply chain to the end-user or patient through a unique identification number;
- set up a central database to provide patients, healthcare professionals and the public with comprehensive information on products available in the EU; and
- strengthen rules for the assessment of certain high-risk devices, such as implants, which may have to undergo an additional check by experts before they
  are placed on the market.

These new rules and procedures may result in increased regulatory oversight of our devices and this may, in turn, increase the costs, time and requirements that we need to meet in order to maintain or place such devices on the EEA market.

Further, the advertising and promotion of our products in the EEA is subject to the laws of individual EEA Member States implementing the EU Medical Devices Directive, Directive 2006/114/EC concerning misleading and comparative advertising and Directive 2005/29/EC on unfair commercial practices, as well as other EEA Member State laws governing the advertising and promotion of medical devices. These laws may limit or restrict the advertising and promotion of our products to the general public and may impose limitations on our promotional activities with healthcare professionals.

## Other countries' regulation of medical devices

Many other countries have specific requirements for classification, registration and post marketing surveillance that are independent of the countries already listed. We obtain what we believe are the appropriate clearances for Durolane and our Exogen bone healing system and conduct our business in accordance with the applicable laws of each country. This landscape is constantly changing and we could be found in violation if we interpret the laws incorrectly or fail to keep pace with changes. In the event of either of these occurrences, we could be instructed to recall products, cease distribution and/or be subject to civil or criminal penalties.

#### Anti-kickback, false claims and other healthcare laws

In addition to FDA restrictions on the marketing of pharmaceutical, biological and medical device products, we are also subject to healthcare regulation and enforcement by the federal government and the states and foreign governments and authorities in the locations in which we conduct our business. These other agencies include, without limitation, CMS, other divisions of the U.S. Department of Health and Human Services (HHS), the U.S. Department of Justice and individual U.S. Attorney offices within the Department of Justice, as well as state and local governments. Such agencies enforce a variety of laws which include, without limitation, state and federal anti-kickback, fraud and abuse, false claims, data privacy and security and physician payment transparency laws and regulations.

The federal Anti-Kickback Statute prohibits, among other things, any person or entity from knowingly and willfully offering, paying, soliciting or receiving any remuneration (including any kickback, bribe or rebate), directly or indirectly, overtly or covertly, to induce or in return for purchasing, leasing, ordering or arranging for or recommending the purchase, lease or order of any good, facility, item or service reimbursable, in whole or in part, by Medicare, Medicaid or other federal healthcare programs. The term "remuneration" has been broadly interpreted to include anything of value, including cash, improper discounts and free or reduced price items and services. Among other things, the Anti-Kickback Statute has been interpreted to apply to arrangements between pharmaceutical, biotechnology and medical device manufacturers on the one hand and prescribers, purchasers and formulary managers on the other. Although there are a number of statutory exceptions and regulatory safe harbors protecting some common activities from prosecution, the exceptions and safe harbors are drawn narrowly. Practices that involve remuneration that may be alleged to be intended to induce prescribing, purchases or recommendations may be subject to scrutiny if they do not meet the requirements of a statutory or regulatory exception or safe harbor. Failure to meet all of the requirements of a particular applicable statutory exception or regulatory safe harbor does not make the conduct per se illegal under the Anti-Kickback Statute. Instead, the legality of the arrangement will be evaluated on a case-by-case basis based on a cumulative review of all of its facts and circumstances. Several courts have interpreted the statute's intent requirement to mean that if any one purpose of an arrangement involving remuneration is to induce referrals of federal healthcare covered business, the Anti-Kickback Statute has been violated. In addition, a person or entity does not need to have actual knowledge of the statute or specific intent to violate it in order to have committed a violation. Violations are subject to civil monetary penalties up to \$100,000 for each violation, plus up to three times the remuneration involved, and may result in criminal fines of up to \$100,000 and imprisonment of up to ten years, or exclusion from Medicare, Medicaid or other governmental programs. Further, a claim including items or services resulting from a violation of the federal Anti-Kickback Statute also constitutes a false or fraudulent claim for purposes of the federal civil False Claims Act.

Federal law also includes a provision commonly known as the "Stark Law," which prohibits a physician from referring Medicare or Medicaid patients to an entity providing "designated health services," which includes durable medical equipment, if the physician or immediate family member of the physician, has an ownership or investment interest or compensation arrangement with such entity that does not comply with the requirements of a Stark exception. Violation of the Stark Law could result in denial of payment, disgorgement of reimbursements received under a non-compliant arrangement, civil penalties, and exclusion from Medicare, Medicaid or other governmental programs.

The federal false claims and civil monetary penalties laws, including the civil False Claims Act, prohibit, among other things, any person or entity from knowingly presenting, or causing to be presented, a false or fraudulent claim for payment to or approval by the federal government or knowingly making, using or causing to be made or used a false record or statement material to a false or fraudulent claim to the federal government. A claim includes "any request or demand" for money or property presented to the U.S. government. Actions under the False Claims Act may be brought by the Attorney General or as a qui tam action by a private individual in the name of the U.S. government. Violations of the False Claims Act can result in very significant monetary penalties and treble damages. The federal government is using the False Claims Act and the accompanying threat of significant liability, in its investigation and prosecution of pharmaceutical, biotechnology and medical device companies throughout the country. Manufacturers can be held liable under these laws if they are deemed to "cause" the submission of false or fraudulent claims by for example, in connection with the promotion of products for unapproved or off-label uses and other sales and marketing practices. The government has obtained multi-million and multi-billion dollar settlements under the False Claims Act, the government may impose civil fines and penalties ranging from \$11,181 to \$22,363 for each false claim, plus treble damages, and exclude the entity from participation in Medicare, Medicaid and other federal healthcare programs. In addition, companies found liable under the False Claims Act have been forced to implement extensive corrective action plans, and have often become subject to consent decrees or corporate integrity agreements, severely restricting the manner in which they conduct their business and imposing ongoing reporting and disclosure obligations.

The federal civil monetary penalties statute imposes penalties against any person or entity that, among other things, is determined to have presented or caused to be presented a claim to a federal health program that the person knows or should know is for an item or service that was not provided as claimed or is false or fraudulent. Given the significant size of actual and potential settlements, it is expected that governmental authorities will continue to devote substantial resources to investigating healthcare providers' and manufacturers' compliance with applicable fraud and abuse laws. For drugs that are covered under Medicare Part B, the manufacturer must report average sales price (ASP), to CMS on a quarterly basis. Failure to report this information in a timely and accurate manner can lead to substantial civil and criminal penalties and to liability under the False Claims Act.

In July of 2018 we became aware of allegations that certain of our sales personnel may have been completing Section B of the Certificate for Medical Necessity form (CMN) required in connection with Medicare claims for the Exogen system, which, under federal law, must be completed by the physician and/or physician staff.

Together with our outside counsel, we initiated an investigation into these allegations, and we determined that the CMN forms for a portion of Medicare claims for the Exogen system were in fact improperly completed by our sales representatives, some of which also failed to meet CMS coverage requirements. As a result of our findings we made a self-disclosure on November 30, 2018 to the Office of Inspector General of the HHS (OIG), under the Provider Self-Disclosure Protocol. Our self-disclosure disclosed the extent of our findings relative to the inappropriate completion of CMN forms by our sales personnel and offered to make repayment for such claims which failed to meet CMS coverage requirements and which we submitted to the Medicare program between October 1, 2012 and September 30, 2018, the statutory period applicable to such conduct. The total value of impacted claims was \$30.1 million in the aggregate.

In October 2019, our outside counsel received a letter from the Office of the United States Attorney in the Middle District of North Carolina (USAO) stating that the USAO would be working with the OIG to resolve our self-disclosure. After settlement discussions with the USAO and OIG, on January 25, 2021 we reached an agreement in principle with the USAO and the OIG with respect to the submission of Medicare claims that did not meet CMS coverage requirements and for which our sales representatives completed Section B of the CMN forms. On February 22, 2021, we finalized all terms related to the settlement and entered into a formal settlement agreement with the USAO and OIG consistent with our previous agreement in principle and which included releases from associated False Claims Act liability and further Civil Monetary Penalties that are customary in self-disclosures of this type. Under the agreement, we resolved the potential liability related to our self-disclosure for \$3.6 million, of which \$2.4 million had already been paid through our 2019 return of overpayments described previously, leaving a net payment to be made of \$1.2 million. We made payment of the \$1.2 million net settlement amount due under the agreement on February 23, 2021. The settlement amount noted above was recorded in the consolidated financial statements for the year ended December 31, 2020.

In 2019, separate from the self-disclosure described above, as a result of our internal auditing of Exogen Medicare claims, we made repayments to our Medicare Administrative Contractors (MACs) for overpayments identified during such auditing totaling \$7.5 million for the period October 1, 2012 through December 31, 2018. This amount reflected certain Medicare claims for Exogen for which we lacked adequate documentation of medical necessity consistent with Medicare claims for the period beginning January 1, 2019 through December 31, 2019. We maintain a reserve for reimbursement claims related to our Exogen system that may have been processed for payment without adequate medical records support. Our reserve is estimated using an extrapolation of an error rate from a statistical sample, which represents our best estimate as of the date of the financial statements, but because of the uncertainty inherent in such estimates, the ultimate repayment amounts may be materially different.

See Part I, Item 1A. Risk Factors—Risks related to government regulation—We may be subject to enforcement action if we engage in improper claims submission practices and resulting audits or denials of our claims by government agencies could reduce our net sales or profits.

The federal Health Insurance Portability and Accountability Act of 1996, as amended by Health Information Technology for Economic and Clinical Health Act (HITECH), and the regulations that implement both laws, collectively known as HIPAA, created additional federal criminal statutes that prohibit, among other things, knowingly and willfully executing, or attempting to execute, a scheme to defraud any healthcare benefit program, including private third-party payers, knowingly and willfully embezzling or stealing from a healthcare benefit program, willfully obstructing a criminal investigation of a healthcare offense and knowingly and willfully falsifying, concealing or covering up a material fact or making any materially false, fictitious or fraudulent statement in connection with the delivery of or payment for healthcare benefits, items or services. Similar to the federal Anti-Kickback Statute, a person or entity does not need to have actual knowledge of these statutes or specific intent to violate them in order to have committed a violation.

Also, many states have similar fraud and abuse statutes or regulations that may be broader in scope and may apply regardless of payer, in addition to items and services reimbursed under Medicaid and other state programs.

In addition, a person who offers or transfers to a Medicare or Medicaid beneficiary any remuneration, including waivers of co-payments and deductible amounts (or any part thereof), that the person knows or should know is likely to influence the beneficiary's selection of a particular provider, practitioner or supplier of Medicare or Medicaid payable items or services may be liable for civil monetary penalties of up to \$20,866 for each wrongful act. Moreover, in certain cases, providers who routinely waive co-payments and deductibles for Medicare and Medicaid beneficiaries can also be held liable under the Anti-Kickback Statute and civil False Claims Act, which can impose additional penalties associated with the wrongful act. One of the statutory exceptions to the prohibition is non-routine, unadvertised waivers of co-payments or deductible amounts based on individualized determinations of financial need or exhaustion of reasonable collection efforts. The OIG emphasizes, however, that this exception should only be used occasionally to address special financial needs of a particular patient. Although this prohibition applies only to federal healthcare program beneficiaries, the routine waivers of co-payments and deductibles offered to patients covered by commercial payers may implicate applicable state laws related to, among other things, unlawful schemes to defraud, excessive fees for services, tortious interference with patient contracts and statutory or common law fraud. To the extent our patient assistance programs are found to be inconsistent with applicable laws, we may be required to restructure or discontinue such programs, or be subject to other significant penalties.

Additionally, there has been a recent trend of increased federal and state regulation of payments made to physicians and certain other healthcare providers. The Patient Protection and Affordable Care Act, as amended by the Health Care and Education and Reconciliation Act, or collectively, the Affordable Care Act, imposed, among other things, new annual reporting requirements through the Physician Payments Sunshine Act for covered manufacturers for certain payments and "transfers of value" provided to physicians and teaching hospitals, and, beginning in 2022, physician assistants, nurse practitioners and other practitioners, as well as ownership and investment interests held by such providers and their immediate family members. Failure to submit timely, accurately and completely the required information for all payments, transfers of value and ownership or investment interests may result in civil monetary penalties of up to an aggregate of \$176,495 per year and up to an aggregate of \$1.177 million per year for "knowing failures." Covered manufacturers must submit reports by the 90th day of each calendar year. In addition, certain states require implementation of compliance programs and compliance with the industry's voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government, impose restrictions on marketing practices, make periodic public disclosures on sales, marketing, pricing, clinical trials and other activities and/or require tracking and reporting of gifts, compensation and other remuneration or items of value provided to physicians and entities.

These laws impact the kinds of financial arrangements we may have with hospitals, physicians or other potential purchasers of our products. They particularly impact how we structure our sales offerings, including discount practices, customer support, education and training programs, physician consulting, research grants and other arrangements. If our operations are found to be in violation of any of the health regulatory laws described above or any other laws or regulations that apply to us, we may be subject to penalties, including, without limitation, potentially significant criminal, civil and/or administrative penalties, damages, fines, disgorgement, exclusion from participation in government healthcare programs, imprisonment, contractual damages, reputational harm, administrative burdens, diminished profits and future earnings and the curtailment or restructuring of our operations.

As a result of our sale or distribution of products in a foreign country, we may be subject to similar foreign laws and regulations, which may include, for instance, applicable post marketing requirements, including safety surveillance, anti-fraud and abuse laws and implementation of corporate compliance programs and reporting of payments or other transfers of value to healthcare professionals.

We participate in state government-managed Medicaid programs as well as certain other qualifying federal and state government programs where discounts and mandatory rebates are provided to participating state and local government entities. In connection with several of these government programs, we are required to report prices to various government agencies. Pricing calculations vary among programs. The calculations are complex and are often subject to interpretation by the reporting entities, government agencies and the courts. Our methodologies for calculating these prices could be challenged under false claims laws or other laws. We could make a mistake in calculating reported prices and required discounts, which could result in retroactive liability to government agencies. Government agencies may also make changes in program interpretations, requirements or conditions of participation, some of which may have implications for amounts previously estimated or paid. If we make these mistakes or if governmental agencies make these changes, we could face, in addition to prosecution under federal and state false claims laws, substantial liability and civil monetary penalties, exclusion of our products from reimbursement under government programs, criminal fines or imprisonment, or prosecutors may impose a Corporate Integrity Agreement, Deferred Prosecution Agreement, or similar arrangement.

The Medicare Prescription Drug, Improvement and Modernization Act of 2003 (MMA), requires that manufacturers report data to CMS on pricing of covered drugs reimbursed under Medicare Part B. These are generally drugs and biologicals, such as injectable products, that are administered "incident to" a physician service and in general are not self-administered. Effective January 1, 2005, ASP became the basis for reimbursement to physicians and suppliers for drugs and biologicals covered under Medicare Part B, replacing the average wholesale price (AWP), provided and published by pricing services. In general, we must comply with all reporting requirements for any drug that is separately reimbursable under Medicare. The SUPARTZ FX product is reimbursed under Medicare Part B and, as a result, we provide ASP data on this product to CMS on a quarterly basis.

#### Privacy and data protection laws in the United States

HIPAA and its implementing regulations, contain substantial restrictions and requirements with respect to the use and disclosure of certain protected health information (PHI)). These restrictions and requirements are set forth in the HIPAA Privacy, Security and Breach Notification Rules.

In some of our operations, such those involving the acceptance of payments, we are a "covered entity" under HIPAA and therefore required to comply with the Privacy, Security and Breach Notification Rules and is subject to significant civil and criminal penalties for failure to do so. We also provide services to customers that are covered entities themselves and we are required to provide satisfactory written assurances to these customers through written "business associate" agreements that we will provide our services in accordance with HIPAA.

The Final Rule published by HHS Office for Civil Rights (OCR) in January 2013 and effective March 23, 2013, modified the HIPAA Privacy, Security, Breach Notification and Enforcement Rules, including revisions/additions made by the HITECH Act. The rule expanded the privacy and security requirements for business associates that create, receive, maintain or transmit PHI for or on behalf of covered entities, increased penalties for noncompliance and strengthened requirements for reporting of breaches of unsecured PHI, among other changes. The rule also made business associates and their subcontractors directly liable for civil monetary penalties for impermissible uses and disclosures of PHI.

If we were to be found to have breached our obligations under HIPAA, we could be subject to enforcement actions by the OCR and state health regulators and lawsuits, including class action law suits, by private plaintiffs. In addition, OCR performs compliance audits in order to proactively enforce the HIPAA privacy and security standards. OCR has become an increasingly active regulator and has signaled its intention to continue this trend. OCR has the discretion to impose penalties without being required to attempt to resolve violations through informal means; further OCR may require companies to enter into resolution agreements and corrective action plans which impose ongoing compliance requirements. OCR enforcement activity can result in financial liability and reputational harm, and responses to such enforcement activity can consume significant internal resources. In addition to enforcement by OCR, state attorneys general are authorized to bring civil actions under either HIPAA or relevant state laws seeking either injunctions or damages in response to violations that threaten the privacy of state residents. Although we have implemented and maintained policies, processes and a compliance program infrastructure to assist us in complying with these laws and regulations and our contractual obligations, we cannot provide assurance regarding how these laws and regulations will be interpreted, enforced or applied to our operations.

In addition to HIPAA, we must adhere to state patient confidentiality laws that are not pre-empted by HIPAA, including those that are more stringent than HIPAA requirements. Numerous other state, federal and foreign laws, including consumer protection laws and regulations, govern the collection, dissemination, use, access to, confidentiality and security of patient health information. In addition, Congress and some states are considering new laws and regulations that further protect the privacy and security of medical records or medical information. With the recent increase in publicity regarding data breaches resulting in improper dissemination of consumer information, all states have passed laws regulating the actions that a business must take if it experiences a data breach, such as prompt disclosure to affected customers. Generally, these laws are limited to electronic data and make some exemptions for smaller breaches. Congress has also been considering similar federal legislation relating to data breaches. The Federal Trade Commission (FTC) and states' Attorneys General have also brought enforcement actions and prosecuted some data breach cases as unfair and/or deceptive acts or practices under the FTC Act. In addition to data breach notification laws, some states have enacted statutes and rules requiring businesses to reasonably protect certain types of personal information they hold or to otherwise comply with certain specified data security requirements for personal information. For example, the California Consumer Privacy Act (CCPA) took effect on January 1, 2020. The CCPA establishes a new privacy framework for covered businesses and provides new and enhanced data privacy rights to California residents, such as affording consumers the right to access and delete their information and to opt out of certain sharing and sales of personal information. The CCPA imposes severe statutory damages as well as a private right of action for certain data breaches that result in the loss of personal information. This private right of action is expected to increase the likelihood of, and risks associated with, data breach litigation. It remains unclear how various provisions of the CCPA will be interpreted and enforced. The CCPA contains an exemption for medical information governed by the California Confidentiality of Medical Information Act (CMIA) and for PHI collected by a covered entity or business associate governed by the privacy, security and breach notification rules established pursuant to HIPAA and HITECH, but the precise application and scope of this exemption is not yet clear, and the law may still apply to certain aspects of our business. Additionally, a new privacy law, the California Privacy Rights Act (CPRA), was approved by California voters in the November 3, 2020 election. The CPRA generally takes effect on January 1, 2023 and significantly modifies the CCPA, including by expanding consumers' rights with respect to certain personal information, restricting use of sensitive personal information, which includes health information, and creating a new state agency to oversee implementation and enforcement efforts, potentially resulting in further uncertainty and requiring us to incur additional costs and expenses in an effort to comply. The CCPA and CPRA may lead other states to pass comparable legislation, with potentially greater penalties, and more rigorous compliance requirements relevant to our business, and that may not include exemptions for businesses subject to HIPAA. The effects of the CCPA, and other similar state or federal laws, are potentially significant and may require us to modify our data processing practices and policies and to incur substantial costs and potential liability in an effort to comply with such legislation. As with HIPAA, any laws regulating the collection, dissemination, use, access to, confidentiality and security of personal information may apply directly to our business or indirectly by contract when we provide services to other companies. We intend to continue to comprehensively protect all consumer data and to comply with all applicable laws regarding the protection of this data.

#### Privacy and data protection laws in Europe

We are subject to European laws relating to our and our suppliers', partners' and subcontractors' collection, control, processing and other use of personal data, such as data relating to an identifiable living individual, whether that individual can be identified directly or indirectly. We and our suppliers, partners and subcontractors process personal data including in relation to our employees, employees of customers, trial patients, health care professions and employees of suppliers including health and medical information. The data privacy regime in the EU includes the General Data Protection Regulation (GDPR), the E-Privacy Directive (2002/58/EC) and national laws implementing or supplementing each of them.

The GDPR requires that personal data is only collected for specified, explicit and legal purposes as set out in the GDPR or local laws and the data may then only be processed in a manner consistent with those purposes. The personal data collected and processed must be adequate, relevant and not excessive in relation to the purposes for which it is collected and processed, it must be held securely, not transferred outside of the EEA unless certain steps are taken to ensure an adequate level of protection and must not be retained for longer than necessary for the purposes for which it was collected. In addition, the GDPR requires companies processing personal data to take certain organizational steps to ensure that they have adequate records, policies, security, training and governance frameworks in place to ensure the protection of data subject rights, including as required to respond to complaints and requests from data subjects. In addition, to the extent a company processes, controls or otherwise uses 'special category' personal data (including patients' health or medical information, genetic information and biometric information), more stringent rules apply, further limiting the circumstances and the manner in which a company is legally permitted to process that data. Finally, GDPR provides a broad right for EU Member States to create supplemental national laws. Such laws and they are increasingly adopting different approaches to the role of the parties in clinical trials. Such laws, for example may relate to the processing of health, genetic and biometric data, which could further limit our ability to use and share such data or could cause our costs to increase and harm our business and financial condition.

From January 1, 2021, we are also subject to the GDPR and also the UK GDPR, which, together with the amended UK Data Protection Act 2018, retains the GDPR in UK national law. The UK GDPR mirrors the fines under the GDPR, e.g. fines up to the greater of  $\leq 20$  million (£17.9 million) or 4% of global turnover. The relationship between the United Kingdom and the European Union in relation to certain aspects of data protection law remains unclear, and it is unclear how UK data protection laws and regulations will develop in the medium to longer term, and how data transfers to and from the United Kingdom will be regulated in the long term. Currently there is a four to six-month grace period agreed in the EU and UK Trade and Cooperation Agreement, ending 30 June 2021 at the latest, whilst the parties discuss an adequacy decision. However, it is not clear whether (and when) an adequacy decision may be granted by the European Commission enabling data transfers from EU member states to the United Kingdom long term without additional measures. These changes will lead to additional costs and increase our overall risk exposure.

In addition, the United Kingdom's withdrawal from the European Union means that the United Kingdom will become a "third country" for the purposes of data transfers from the European Union to the United Kingdom following the expiration of the four to six-month personal data transfer grace period (from January 1, 2021) set out in the EU and UK Trade and Cooperation Agreement, unless a relevant adequacy decision is adopted in favor of the United Kingdom (which would allow data transfers without additional measures). These changes may require us to find alternative solutions for the compliant transfer of personal data into the United Kingdom.

We are also subject to evolving European laws on data export and electronic marketing. The rules on data export will apply when we transfer personal data to group companies or third parties outside of the EEA. For example, in 2015, the Court of Justice of the European Union (CJEU) ruled that the U.S.-EU Safe Harbor framework, one compliance method by which companies could transfer personal data regarding citizens of the EU to the United States, was invalid and could no longer be relied upon. European and U.S. negotiators agreed in February 2016 to a new framework, the EU-US Privacy Shield framework, which replaced the Safe Harbor framework, however, on July 16, 2020 the CJEU also invalidated the Privacy Shield framework as a method to transfer personal data from the EEA to US. While the CJEU upheld the adequacy of the standard contractual clauses (a standard form of contract approved by the European Commission as an adequate personal data transfer mechanism, and potential alternative to the Privacy Shield), it made clear that reliance on them alone may not necessarily be sufficient in all circumstances; this has created uncertainty. These changes will require us to review and amend the legal mechanisms by which we make and/ or receive personal data transfers to/ in the U.S. As supervisory authorities issue further guidance on personal data export mechanisms, including circumstances where the standard contractual clauses cannot be used, and/or start taking enforcement action, we could suffer additional costs, complaints and/or regulatory investigations or fines, and/or if we are otherwise unable to transfer personal data between and among countries and regions in which we operate, it could affect the manner in which we provide our services, the geographical location or segregation of our relevant systems and operations, and could adversely affect our financial results.

We are also subject to evolving EU and UK privacy laws on cookies and e-marketing. In the European Union and the United Kingdom, regulators are increasingly focusing on compliance with requirements in the online behavioral advertising ecosystem, and current national laws that implement the ePrivacy Directive are highly likely to be replaced by an EU regulation known as the ePrivacy Regulation which will significantly increase fines for non-compliance. In the European Union and the United Kingdom, informed consent is required for the placement of a cookie or similar technologies on a user's device and for direct electronic marketing. The GDPR also imposes conditions on obtaining valid consent, such as a prohibition on pre-checked consents and a requirement to ensure separate consents are sought for each type of cookie or similar technology. While the text of the ePrivacy Regulation is still under development, a recent European court decision and regulators' recent guidance are driving increased attention to cookies and tracking technologies. If regulators start to enforce the strict approach in recent guidance, this could lead to substantial costs, require significant systems changes, limit the effectiveness of our marketing activities, divert the attention of our technology personnel, adversely affect our margins, increase costs and subject us to additional liabilities.

We are subject to the supervision of local data protection authorities in those jurisdictions where we are established or collecting data from EU residents. We depend on a number of third parties in relation to our provision of our services, a number of which process personal data on our behalf. With each such provider we enter into contractual arrangements to ensure that they only process personal data according to our instructions, and that they have sufficient technical and organizational security measures in place. Where we transfer personal data outside the EEA, we do so in compliance with the relevant data export requirements. As previously described, following the CJEU's decision to invalidate Privacy Shield, we are now required to review and amend the legal mechanisms by which we make and/or receive personal data transfers to/in the U.S. As supervisory authorities issue further guidance on personal data export mechanisms, including circumstances where the standard contractual clauses cannot be used, and/or start taking enforcement action, we could suffer additional costs, complaints and/or regulatory investigations or fines, and/or if we are otherwise unable to transfer personal data between and among countries and regions in which we operate, it could affect the manner in which we provide our services, the geographical location or segregation of our relevant systems and operations, and could adversely affect our financial results.

We take our data protection obligations seriously, as any improper, unlawful or accidental disclosure, loss, alteration or access to, personal data, particularly sensitive personal data, such as special category, could adversely affect our business and/or our reputation.

We may find it necessary or desirable to join self-regulatory bodies or other privacy-related organizations, particularly relating to biopharmacy and/or scientific research that require compliance with certain rules pertaining to privacy and data security.

There are costs and administrative burdens associated with compliance with GDPR and the resultant changes in the EU and EEA Member States' national laws and the introduction of the e-Privacy Regulation once it takes effect. Any failure or perceived failure to comply with global privacy laws carries with it the risk of significant penalties and sanctions. These laws or new interpretations, enactments or supplementary forms of these laws, could create liability for us, could impose additional operational requirements on our business, and could affect the manner in which we use and transmit patient information and could increase our cost of doing business. Claims of violations of privacy rights or contractual breaches, even if we are not found liable, could be expensive and time-consuming to defend and could result in adverse publicity that could harm our business.

#### Coverage and reimbursement

Significant uncertainty exists as to the coverage and reimbursement status of any pharmaceutical, biological or medical device product. In the United States and markets in other countries, patients who are prescribed treatments or undergo procedures for their conditions and the providers performing the services generally rely on third-party payers to reimburse all or part of the associated healthcare costs. Patients are unlikely to use our products unless coverage is provided and reimbursement is adequate to cover a significant portion of the cost of our products or related procedures. Sales of any products will therefore depend, in part, on the availability of coverage and adequate reimbursement from third-party payers. Third-party payers include government authorities, managed care organizations, private health insurers and other organizations.

The process for determining whether a third-party payer will provide coverage for a product typically is separate from the process for setting the price of such product or for establishing the reimbursement rate that the payer will pay for the product once coverage is approved. Third-party payers may limit coverage to specific products on an approved list, also known as a formulary, which might not include all of the FDA-approved products for a particular indication, or place products at certain formulary levels that result in lower reimbursement levels and higher cost-sharing obligation imposed on patients. A decision by a third-party payer not to cover any of our products or product candidates could reduce physician utilization of such products and adversely affect our business, results of operations and financial condition. Moreover, a third-party payer's decision to provide coverage for a product does not imply that an adequate reimbursement rate will be approved. Adequate third-party reimbursement may not be available to enable us to maintain price levels sufficient to realize an appropriate return on our investment in product development. Additionally, coverage and reimbursement for products can differ significantly from payer to payer. One third-party payer's decision to cover a particular medical product or service does not ensure that other payers will also provide coverage for the medical product or service, or will provide coverage at an adequate reimbursement rate. As a result, the coverage determination process will often require us to provide scientific and clinical support for the use of our products to each payer separately and can be a time-consuming process.

Third-party payers are increasingly challenging the price and examining the medical necessity and cost-effectiveness of medical products and services, in addition to their safety and efficacy. Third-party payers may not consider our products to be medically necessary or cost-effective for certain indications or for all uses, and as a result, may not provide coverage for our products. In order to obtain and maintain coverage and reimbursement for our products and product candidates, we may need to conduct expensive clinical trials in order to demonstrate the medical necessity and cost-effectiveness of such products, in addition to the costs required to obtain regulatory approvals. If third-party payers do not consider a product to be cost-effective compared to other available therapies, they may not cover the product as a benefit under their plans or, if they do, the level of payment may not be sufficient to allow a company to sell our products at a profit. Any changes in coverage and reimbursement that further restrict coverage of our products or lower reimbursement for procedures using our devices could materially affect our business. See *Part I, Item 1A. Risk Factors*—Risks related to our business—If we are unable to achieve and maintain adequate levels of coverage and/or reimbursement for our products, the procedures using our products, or any future products we may seek to commercialize, the commercial success of these products may be severely hindered.

Outside of the United States, the pricing of medical devices and prescription pharmaceuticals is subject to governmental control in many countries. For example, in the EU, pricing and reimbursement schemes vary widely from country to country. Some countries provide that products may be marketed only after a reimbursement price has been agreed. Some countries may require the completion of additional studies that compare the cost-effectiveness of a particular therapy to currently available therapies or so called health technology assessments, in order to obtain reimbursement or pricing approval. Other countries may allow companies to fix their own prices for products, but monitor and control prescription volumes and issue guidance to physicians to limit prescriptions. Efforts to control prices and utilization of medical devices and pharmaceutical products could continue as countries attempt to manage healthcare expenditures, especially in light of the severe fiscal and debt crises experienced by many countries in the EU. There can be no assurance that any country that has price controls or reimbursement limitations for medical devices or pharmaceutical products will allow favorable reimbursement and pricing arrangements for any of our products, if approved in those countries. See *Part 1A. Risk Factors*—Risks related to our business—Governments outside the United States may not provide coverage or reimbursement of our products, which may adversely affect our business, results of operations and financial condition.

#### Exogen reimbursement and order fulfillment

Our Exogen system is classified as durable medical equipment, meaning the product is used by the patient in the home and that the patient and/or insurance company, rather than the physician, is billed for the product. We bill third-party payers, such as private insurance or Medicare, on behalf of our patients and bill the patient for their co-payment obligations and deductibles. An internal team and external consultants assist with billing and processing orders for our Exogen system and has been trained in verifying case-by-case benefits, obtaining prior authorization and billing and collecting payments from payers. We also have a separate dedicated team of employees that provides customer support services for our Exogen system.

We have strong and established payer relationships, including the largest private payers in the United States. Based on our estimates, we are contracted as a provider with payers covering over 200 million lives. These contracts allow patients to access our Exogen system at a competitive rate and copay comparable to other suppliers and easing our administrative burden in processing at both authorization and when billing. Our Exogen system is reimbursed under Healthcare Common Procedure Coding System (HCPCS) code E0760.

#### Healthcare reform

Current and future legislative proposals to further reform healthcare or reduce healthcare costs may limit coverage for the procedures associated with the use of our products, or result in lower reimbursement for those procedures. The cost containment measures that payers and providers are instituting and the effect of any healthcare reform initiative implemented in the future could significantly reduce our revenues from the sale of our products. By way of example, the Affordable Care Act substantially changed healthcare financing and delivery by both governmental and private insurers and significantly impacted the pharmaceutical and medical device industries. The Affordable Care Act imposed, among other things, a new federal excise tax on the sale of certain medical devices, provided incentives to programs that increase the federal government's comparative effectiveness research and implemented payment system reforms including a national pilot program on payment bundling to encourage hospitals, physicians and other providers to improve the coordination, quality and efficiency of certain healthcare services through bundled payment models. Since its enactment, there have been judicial and Congressional challenges to certain aspects of the Affordable Care Act, including the permanent repeal of the federal excise tax on the sale of certain medical devices effective January 1, 2020. We expect there will be additional challenges and amendments to the Affordable Care Act in the future.

In addition, other legislative changes have been proposed and adopted in the United States since the Affordable Care Act was enacted. On August 2, 2011, the Budget Control Act of 2011 was signed into law, which, among other things, included reductions to Medicare payments to providers of 2% per fiscal year, which went into effect on April 1, 2013. Subsequent legislative amendments related to the COVID-19 pandemic suspended this Medicare sequestration payment reduction from May 1, 2020 through March 31, 2021, but extended sequestration through 2030. On January 2, 2013, the American Taxpayer Relief Act of 2012, was signed into law, which, among other things, further reduced Medicare payments to several types of providers, including hospitals.

Moreover, payment methodologies may be subject to changes due to healthcare legislation and regulatory initiatives. For example, CMS may develop new payment and delivery models, such as bundled payment models. In addition, recently there has been heightened governmental scrutiny over the manner in which manufacturers set prices for their marketed products, which has resulted in several U.S. Congressional inquiries and proposed and enacted federal legislation designed to, among other things, bring more transparency to drug pricing, reduce the cost of prescription drugs under Medicare and review the relationship between pricing and manufacturer patient programs.

Individual states in the United States have also increasingly passed legislation and implemented regulations designed to control pharmaceutical and biological product pricing, including price or patient reimbursement constraints, discounts, restrictions on certain product access and marketing cost disclosure and transparency measures and, in some cases, designed to encourage importation from other countries and bulk purchasing. In addition, regional healthcare authorities and individual hospitals are increasingly using bidding procedures to determine what pharmaceutical products and which suppliers will be included in their prescription drug and other healthcare programs.

In the EU, similar political, economic and regulatory developments have occurred or are being contemplated. In addition to continuing pressure on prices and cost containment measures, legislative developments at the EU or Member State level may result in significant additional requirements or obstacles that may increase operating costs. The delivery of healthcare in the EU, including the establishment and operation of health services and the pricing and reimbursement of medicines, is almost exclusively a matter for national, rather than EU, law and policy. National governments and health service providers have different priorities and approaches to the delivery of health care and the pricing and reimbursement of products in that context. In general, however, the healthcare budgetary constraints in most EU Member States have resulted in restrictions on the pricing and reimbursement of medicines by relevant health service providers.

We expect that additional foreign, state and federal healthcare reform measures will be adopted in the future, any of which could limit the amounts that federal and state governments will pay for healthcare products and services, which could result in reduced demand for our products or additional pricing pressure.

#### **Employee and Human Capital Resources**

As of December 31, 2020, we had approximately 700 employees, none of whom were covered by collective bargaining agreements. Most of these employees are located in the United States with approximately 90 located outside the United States. We believe that our relations with our employees are generally good.

We value our employees and regularly benchmark total rewards we provide, such as short and long term compensation, 401(k) contributions, health, welfare and quality of life benefits, paid time off and personal leave, against our industry peers to ensure we remain competitive and attractive to potential new hires. We seek to create a workplace environment that fosters personal and business successes by offering training and development programs, which further assist our current employees in meeting and exceeding our established standards of performance. Additionally, through our Diversity, Equity and Inclusion Counsel, our employees work directly with our executive management team to address any internal concerns and continuously improve the ways in which we serve our employees and customers.

### **Available Information**

Our website is located at www.bioventus.com. Information on our website or connected to our website is not incorporated by references into this Annual Report.

### Item 1A. Risk Factors.

Described below are certain risks that we believe apply to our business and the industry in which we operate. You should carefully consider each of the following risk factors in conjunction with other information provided in this Annual Report on Form 10-K (Annual Report) and in our other public disclosures. The risks described below highlight potential events, trends or other circumstances that could adversely affect our business, financial condition, results of operations, cash flows, liquidity or access to sources of financing, and consequently, the market value of our Class A common stock. These risks could cause our future results to differ materially from historical results and from guidance we may provide regarding our expectations of future financial performance. The risks described below are those that we have identified as material and is not an exhaustive list of all the risks we face. There may be others that we have not identified or that we have deemed to be immaterial. All forward-looking statements made by us or on our behalf are qualified by the risks described below.

### **Risks related to our business**

#### Our business may continue to experience adverse impacts as a result of the COVID-19 pandemic.

In 2020, the COVID-19 pandemic spread around the world and in the U.S. and, more recently, new variants of the virus have emerged, some of which have shown to be more contagious. The COVID-19 pandemic has had widespread, rapidly evolving and unpredictable impacts on global society, economies, financial markets and business practices. Federal and state governments have implemented measures in an effort to minimize the spread of the virus and ongoing effects of the pandemic, including social distancing, travel restrictions, border closures, limitations on public gatherings, mandatory closure or reduced capacity of business, work from home, supply chain logistical changes and other measures, which have caused global business disruptions and significant volatility in U.S. and international debt and equity markets. Our business, results of operations and financial condition have been, and may continue to be, materially impacted due to the decrease in patient visits and elective procedures and any future temporary cessations of elective procedures and could be further impacted by delays in payments from customers, supply chain interruptions, extended "shelter-in-place" orders or advisories, facility closures or other reasons related to the pandemic. Furthermore, the long-term impact of COVID-19 on our business will depend on many factors, including, but not limited to, the duration and severity of the pandemic, new and ongoing measures taken in response to the pandemic, the availability and effectiveness of vaccines to combat COVID-19, the impact on economic activity from the pandemic and actions taken in response and the resulting impact it has on our partners, patients and communities in which we operate, all of which continue to be uncertain. For example, there has been a decrease in patient visits to hospitals due to risk and fear of exposure to COVID-19, as well as decreases in, or temporary moratoriums on, elective procedures, which may be re-imposed in the future. In addition to lower sales, we have experienced decreased costs as a result of the pandemic including declines in travel and lower compensation related expenses. We have also implemented other various cost reduction initiatives and measures to safeguard liquidity, refer to Part II, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations, for further details on the impact of COVID-19 on our business.

To the extent the COVID-19 disruptions continue to adversely impact our business, results of operations and financial condition, it may also have the effect of heightening many of the other risks described in *Part I, Item 1A. Risk Factors*, including risks relating to our ability to successfully commercialize new developed or acquired products or therapies, consolidation in the healthcare industry, disruptions in the supply or manufacturing of our products or their components, intensified pricing pressure as a result of changes in the purchasing behavior of hospitals and maintenance of our numerous contractual relationships.

### We are highly dependent on a limited number of products.

Our OA joint pain treatment and joint preservation products accounted for 53%, 54% and 49% of our total revenue for the years ended December 31, 2020, 2019 and 2018, respectively. We expect that sales of such products will continue to account for a substantial portion of our revenue, and therefore, our ability to execute our growth strategy and maintain profitability will depend upon the continued demand for these products. In addition, our supply and distribution agreements for Durolane, GELSYN-3 and SUPARTZ FX are subject to renewal and their terms end in December 2115, February 2026 and December 2028, respectively. If the supply and distribution agreements for any of our HA viscosupplementation therapies were terminated, our revenue would be impaired. If our OA joint pain treatment and joint preservation products fail to maintain their market acceptance for any reason, our business, results of operations and financial condition may be adversely affected.

### Our long-term growth depends on our ability to develop, acquire and commercialize new products, line extensions or expanded indications.

Our industry is highly competitive and subject to rapid change and technological advancements. Therefore, it is important to our business that we continue to introduce new products and/or enhance our existing product offerings through line extensions or expanded indications. Developing, acquiring and commercializing products is expensive, time-consuming and could divert management's attention away from our existing business. Even if we are successful in developing additional products, the success of any new product offering or enhancements to existing products will depend on several factors, including our ability to:

- properly identify and anticipate the needs of healthcare professionals and patients;
- develop and introduce new products, line extensions and expanded indications in a timely manner;
- distinguish our products from those of our competitors;
- avoid infringing upon the intellectual property rights of third-parties and maintain necessary intellectual property licenses from third-parties;
- demonstrate, if required, the safety and efficacy of new products with data from preclinical studies and clinical trials;

- obtain clearance or approval, if required, from the FDA and other regulatory agencies, for such new products, line extensions and expanded indications, and maintain full compliance with FDA and other regulatory requirements applicable to new devices or products or modifications of existing devices or products;
- provide adequate training to potential users of our products;
- receive adequate coverage and reimbursement for our products; and
- maintain an effective and dedicated sales and marketing team.

If we are unsuccessful in developing, acquiring and commercializing new products or enhancing our existing product offerings through line extensions and expanded indications, our ability to increase our net sales may be impaired.

Additionally, our research and development efforts may require a substantial investment of time and resources before we are adequately able to determine the commercial viability of a new product, technology, material or other innovation. Such efforts may not result in the development of a viable product. In addition, even if we are able to successfully develop new active healing products, line extensions and expanded indications, these products may not produce sales in excess of the costs of development and they may be rendered obsolete by changing customer preferences or the introduction by our competitors of products embodying new technologies or features.

### We may be unable to successfully commercialize newly developed or acquired products or therapies in the United States.

The commercial success of newly acquired or developed products, such as MOTYS, in the United States will depend upon the awareness and acceptance of such products among the medical community, including physicians and patients. Market acceptance will depend on a number of factors, including, among others:

- the perceived advantages and disadvantages of such products over existing therapies and other competitive treatments;
- availability of alternative treatments;
- inability to secure and maintain adequate coverage, including obtaining a unique reimbursement code;
- the extent to which physicians prescribe the Company's products;
- the willingness of the target patient population to try new therapies;
- the strength of marketing and distribution support of the Company's new products and competitive products;
- publicity concerning the Company's new products, our existing products or competing products and treatments;
- pricing and cost effectiveness of such new therapies;
- the effectiveness of our sales and marketing strategies; and
- the willingness of patients to pay out-of-pocket in the absence of third-party reimbursement.

Our efforts to educate the medical community about the benefits of newly acquired or developed products may require significant resources and we may never be successful. If such newly acquired or developed products do not achieve an adequate level of acceptance by patients and physicians in the United States, our business, results of operations and financial condition may be adversely affected.

# Demand for our existing portfolio of products and any new products, line extensions or expanded indications depends on the continued and future acceptance of our products by physicians, patients, third-party payers and others in the medical community.

We cannot be certain that our existing portfolio of products and any new products, line extensions or expanded indications that we develop will achieve or maintain market acceptance. With respect to our OA joint pain treatment and joint preservation products, third-party payers may be reluctant to continue to cover our HA viscosupplementation therapies at their current prices. Further, new injectable therapies or oral medications may become available that help manage OA joint pain in a more convenient and/or cost effective manner than our HA viscosupplementation therapies. With respect to our BGS products, new allograft, DBMs, synthetics, growth factors, or other enhancements to our existing implants may never achieve broad market acceptance, which can be affected by a lack of clinical acceptance of BGSs and technologies, introduction of competitive treatment options which render BGSs and technologies too expensive or obsolete and difficulty training surgeons in the use of BGSs and technologies. Media reports or other negative publicity concerning both methods of tissue recovery from donors and actual or potential disease transmission from donated tissue may limit widespread acceptance by the medical community of our allografts, growth factor and DBMs, whether directed at these products generally or our products specifically. Unfavorable reports of improper or illegal tissue recovery practices by any participant in the industry, both in the United States and internationally, as well as incidents of improperly processed tissue leading to transmission of disease, may broadly affect the rate of future tissue donation and market acceptance of allograft based technologies by the medical community.



In addition, we believe that even if the medical community generally accepts our existing portfolio of products and any new products, line extensions or expanded indications, acceptance and recommendations by influential members of the medical community will be important to their broad commercial success. If the medical community does not broadly accept our products, we may not remain competitive in the market, which could adversely affect our business, results of operations and financial condition.

# Our commercial success depends on our ability to differentiate the HA viscosupplementation therapies that we own or distribute from alternative therapies for the treatment of OA.

Our ability to achieve commercial success will, at least in part, depend on our ability to differentiate the HA viscosupplementation therapies that we own or distribute in such a way that physicians and patients will select them. The HA viscosupplementation therapies that we own or distribute could face competition from steroid injections, other HA viscosupplementation therapies, combination HA viscosupplementation/steroid therapies and alternate therapies for the treatment of OA, including those currently in development.

We expect that the HA viscosupplementation therapies that we own or distribute will continue to be used primarily after oral analgesics and steroid injections no longer provide adequate pain relief. In addition, the five and three injection HA viscosupplementation therapies that we distribute face competition from single injection therapies. We expect the three injection market to decline by a projected 3.1% CAGR and the five injection market to decline by a projected 13.6% CAGR from 2019 to 2024. Due to the convenience associated with the single injection treatments, it is expected that these products will continue to capture increasing market share of the HA viscosupplementation therapies market, which may adversely affect our business, results of operations and financial condition to the extent physicians and patients do not select Durolane, our single injection HA viscosupplementation therapy. There are also a number of combination HA viscosupplementation/steroid therapies currently in development. The American Association of Orthopedic Surgeons (AAOS), since the release of their May 2013 clinical practice guidelines, does not recommend the use of HA for patients with symptomatic knee OA. The evidence for the AAOS recommendation is based on two or more high quality studies with consistent findings for recommending for or against the intervention. The AAOS recommendation states that practitioners should follow a strong recommendation, such as this one, unless a clear and compelling rationale for an alternative approach is present. In May 2018, the Journal of the AAOS ranked the nonsteroidal anti-inflammatory drug naproxen the most effective in individual knee OA treatment for improving both pain and function. To the extent that any additional therapies receive approval or alternative therapies receive positive support from the AAOS or other physician associations, they could reduce the market share represented by HA viscosupplementation therapies for OA treatment and adversely affect our commercial success.

If we are unable to differentiate the HA viscosupplementation therapies we own or distribute from other therapies, physicians and patients may not be willing to use them or be willing to switch from existing therapies with which they are familiar. Once physicians incorporate a particular treatment into their practice, they may not alter their practice absent compelling clinical evidence of safety and/or effectiveness and/or significant pricing reimbursement advantages.

# The proposed down-classification of non-invasive bone growth stimulators, including our Exogen system, by the FDA could increase future competition for bone growth stimulators and otherwise adversely affect the Company's sales of Exogen.

On August 17, 2020, FDA published a Federal Register notice announcing its proposal to reclassify non-invasive bone growth stimulators, such as Exogen, from Class III medical devices to Class II with special controls. Class III devices are subject to the most stringent regulatory pathway for approval for medical devices requiring, among other things, rigorous clinical studies and pre-approval manufacturing review. Class II devices may be cleared for marketing by the FDA under the 510(k) pathway if they are determined to be substantially equivalent to a legally marketed predicate device. The 510(k) clearance process does not always require clinical testing, and is generally less onerous than the premarket approval process applicable to Class III devices. On September 8-9, 2020, the Orthopaedic and Rehabilitation Devices Panel of the FDA Medical Devices Advisory Committee met and discussed FDA's proposal. The Panel, whose authority is non-binding but nonetheless considered by FDA, ultimately voted in favor of FDA's proposal to down-classify non-invasive bone growth stimulators.

The FDA has proposed that any final order would become effective 30 days after publication. While FDA has not yet finalized its proposal to down-classify noninvasive bone growth stimulators, should such down-classification occur now or in the future, we may face additional competition from new market entrants who would be able to pursue marketing authorization through the 510(k) clearance pathway instead of the more onerous and burdensome PMA approval process. Class II devices that qualify as durable medical equipment under the Medicare program may also be eligible for inclusion in Medicare's competitive bidding program for durable medical equipment, prosthetics, orthotics and supplies. As a result of down-classification, Exogen could face additional competition or we could receive lower reimbursement amounts for Exogen, all of which could adversely affect our business, results of operations and financial condition.

## If we are unable to achieve and maintain adequate levels of coverage and/or reimbursement for our products, the procedures using our products, or any future products we may seek to commercialize, the commercial success of these products may be severely hindered.

Our products are purchased by healthcare providers and customers who typically bill third-party payers, such as government programs, including Medicare and Medicaid, or private insurance plans and healthcare networks, to cover all or a portion of the costs and fees associated with our products. Patients may also be billed for deductibles or co-payments in accordance with third-party payer policies. These third-party payers and insurers may deny reimbursement if they determine that a device or product provided to a patient or used in a procedure does not meet applicable payment criteria or if the policyholder's healthcare insurance benefits are limited.

As required by law, the CMS, which administers the Medicare program, has continued efforts to implement a competitive bidding program for selected durable medical equipment, prosthetic and orthotic supplies items paid for by the Medicare program. In this program, Medicare rates are based on bid amounts for certain products in designated geographic areas, rather than the Medicare fee schedule amount. Bone growth stimulation products like our Exogen system are currently exempt from this competitive bidding process, but may be eligible for inclusion if the FDA's proposed down-classification order becomes effective. We cannot predict which products from any of our businesses may ultimately be affected or whether or when the competitive bidding process may be extended to our businesses.

Limits put on reimbursement by third-party payers, whether foreign or domestic, governmental or commercial, could make it more difficult to buy our products and substantially reduce, or possibly eliminate, patient access to our products. The healthcare industry in the United States has experienced a trend toward cost containment as government and private insurers seek to control rising healthcare costs by imposing lower payment rates and negotiating reduced contract rates with providers and suppliers.

There is no uniform policy of coverage and reimbursement for our products or procedures using our products among third-party payers in the United States, and coverage and reimbursement for our products and procedures using our products can differ significantly from payer to payer. Further, these payers regularly review new and existing technologies for possible coverage and can, without notice, deny or reverse coverage for new or existing products and treatments. Third-party payers may not consider our products to be medically necessary or cost-effective for certain indications or off-label uses or for all uses, and as a result, may not provide coverage for the products. For example, Blue Cross Blue Shield Association's Evidence Street platform issued a report in April 2018 questioning the efficacy of our Exogen system, which resulted in several non-coverage policies being issued by member organizations. Additionally, to the extent that third party payers decide that they are no longer willing to provide reimbursement for physician prescribed off-label uses of Exogen, sales may be negatively impacted. See *Part I, Item 1A. Risk Factors*—Risks related to government regulation—We may be subject to enforcement action if we engage in improper marketing or promotion of our products, and the misuse or off-label use of our products may harm our image in the marketplace, result in injuries that lead to product liability suits or result in costly investigations, fines or sanctions by regulatory bodies if we are deemed to have engaged in the promotion of these uses, any of which could be costly to our business.

We may also be required to conduct expensive clinical studies to justify coverage and reimbursement and/or the level of reimbursement relative to other therapies. In addition, should governmental authorities continue to enact legislation or adopt regulations that affect third-party coverage and reimbursement, access to our products and coverage by private or public insurers may be reduced. If third-party payers or insurers that currently cover or reimburse our products or the procedures in which they are used limit their coverage or reimbursement in the future, or if other third-party payers or insurers issue similar policies, this could impact our ability to sell our products, force us to lower the price we charge for our products, and adversely affect our business, results of operations and financial condition.

Our ability to market and sell our products could be harmed by future actions by CMS, other government agencies or private payers to diminish payments to healthcare providers and suppliers. For example, the CMS, in its ongoing implementation of the Medicare program, periodically reviews medical study literature to determine how the literature addresses certain procedures and therapies in the Medicare population. The impact that these assessments could have on Medicare or third-party payer coverage determinations for our products is currently unknown, but we cannot provide assurances that the resulting actions will not restrict Medicare or other insurance coverage for our products. In addition, there can be no assurance that we or our distributors will not experience significant coverage or reimbursement impediments in the future related to these or other programs and policies of CMS. Specifically, drug pricing reform legislation and executive orders, which could negatively affect the reimbursement rates paid for HA viscosupplements, have been issued by the White House and proposed and enacted by Congress. For example, the Consolidated Appropriations Act, 2021(CAA), was signed into law on December 27, 2020, and will expand price reporting obligations for manufacturers of certain products reimbursed under Medicare Part B beginning, January 1, 2022. CMS could utilize the new pricing information to adjust Medicare payment for these products, which may include HA viscosupplements. We cannot predict how this law will be implemented by CMS, or the extent to which this law, or other proposals that may be enacted in the future, may impact the Medicare payment available for our HA viscosupplements.

Private payers may adopt coverage decisions and payment amounts determined by CMS as guidelines in setting their coverage and reimbursement policies. In addition, for some governmental programs, such as Medicaid, coverage and reimbursement differs from state to state. Medicaid payments to physicians, facilities and other providers are often lower than payments by other third-party payers and some state Medicaid programs may not pay an adequate amount for the procedures performed with our products, if any payment is made at all. If CMS, other government agencies or private payers lower their reimbursement rates, or if any of the proposed drug pricing executive orders or legislative reforms are enacted, the commercial success of our products may be adversely affected.

### Our business may be adversely affected if consolidation in the healthcare industry leads to demand for price concessions or if a GPO, third-party payers or other similar entities exclude us from being a supplier.

Healthcare costs have risen significantly over the past decade, which has resulted in or led to numerous cost reform initiatives by legislators, regulators and thirdparty payers. Cost reform has triggered a consolidation trend in the healthcare industry to aggregate purchasing power, which may increase requests for pricing concessions or risk vendor exclusion. For example, non-clinical staff at hospitals are increasingly involved in the evaluation of products and product purchasing decisions. In order for us to sell our products, we must convince such staff as well as physicians and hospitals that our products are attractive alternatives to competing products for use in surgical procedures. Additionally, GPOs, independent delivery networks and large single accounts may continue to use their market power to consolidate purchasing decisions for physicians. Third-party payers may also continue to use their market power to reduce the reimbursement for our products by increasing the rebates we are required to pay them when our products are covered, which may negatively impact our results. We expect that market demand, government regulation, third-party coverage and reimbursement policies and societal pressures will continue to change the healthcare industry worldwide, resulting in further business consolidations and alliances among our customers, which may exert further downward pressure on the prices of our products.

# If we choose to acquire or invest in new businesses, products or technologies, we may be unable to complete these acquisitions or to successfully integrate them in a cost-effective and non-disruptive manner.

Our success depends on our ability to enhance and broaden our product offerings in response to changing customer demands, competitive pressures and advances in technologies. We continue to search for viable acquisition candidates or strategic alliances that would expand our market sector and/or global presence, as well as additional products appropriate for current distribution channels. Accordingly, we may in the future pursue the acquisition of, or joint ventures relating to, new businesses, products or technologies instead of developing them internally. For example, we entered into an Option and Equity Purchase Agreement with CartiHeal providing for, among other things, an exclusive option to acquire the company under certain terms and conditions as described above. See "Business— Development and Clinical Pipeline—Treatment of Cartilage for Osteochondral defects—CartiHeal (developer of Agili-C) investment and option and equity purchase agreement." We are also exploring a possible acquisition of a medical device company, referred to herein as the Target. We were recently notified that a minority shareholder of the Target has filed a complaint with the Court of Chancery of the State of Delaware contesting the Potential Transaction, as well as related motions to expedite proceedings and issue a temporary restraining order. We understand that the Target intends to defend the action vigorously, but there can be no assurance that this action will not impact the timing, terms or likelihood of closing of the Potential Transaction. Other risks involving potential future and completed acquisitions and strategic investments include:

- risks associated with conducting due diligence;
- problems integrating the purchased technologies, products or business operations;
- inability to achieve the anticipated synergies and overpaying for acquisitions or unanticipated costs associated with acquisitions;

- invalid net sales assumptions for potential acquisitions;
- issues maintaining uniform standards, procedures, controls and policies;
- diversion of management's attention from our core business;
- adverse effects on existing business relationships with suppliers, distributors and customers;
- risks associated with entering new markets in which we have limited or no experience;
- potential loss of key employees of acquired businesses; and
- increased legal, accounting and compliance costs.

We compete with other companies for these opportunities, and we may be unable to consummate such acquisitions or joint ventures on commercially reasonable terms, or at all. In addition, acquired businesses may have ongoing or potential liabilities, legal claims (including tort and/or personal injury claims) or adverse operating issues that we fail to discover through due diligence prior to the acquisition. Even if we are aware of such liabilities, claims or issues, we may not be able to accurately estimate the magnitude of the related liabilities and damages. In particular, to the extent that prior owners of any acquired businesses or properties failed to comply with or otherwise violated applicable laws or regulations, failed to fulfill their contractual obligations to their customers, or failed to satisfy legal obligations to employees or third parties, we, as the successor, may be financially responsible for these violations and failures and may suffer reputational harm or otherwise be adversely affected. Acquisitions also frequently result in the recording of goodwill and other intangible assets which are subject to potential impairment in the future that could harm our financial results. If we were to issue additional equity in connection with such acquisitions, this may dilute our stockholders.

#### Pricing pressure from our competitors or hospitals may affect our ability to sell our products at prices necessary to support our current business strategies.

Medical device companies, healthcare systems and GPOs have intensified competitive pricing pressure as a result of industry trends and new technologies. Purchasing decisions are gradually shifting to hospitals, IDNs and other hospital groups, with surgeons and other physicians increasingly acting only as "employees." Changes in the purchasing behavior of hospitals or the amount third-party payers are willing to reimburse our customers for procedures using our products, including those as a result of healthcare reform initiatives, could create additional pricing pressure on us. In addition to these competitive forces, we continue to see pricing pressure as hospitals introduce new pricing structures into their contracts and agreements, including fixed price formulas, capitated pricing and episodic or bundled payments intended to contain healthcare costs. If such trends continue to drive down the prices we are able to charge for our products, our profit margins will shrink, adversely affecting our business, results of operations and financial condition.

# If we fail to successfully enter into purchasing contracts for our BGS products or engage in contract bidding processes internationally, we may not be able to receive access to certain hospital facilities and our sales may decrease.

In the United States, the hospital facilities where physicians treat patients with our BGS products typically require us to enter into purchasing contracts. The process of securing a satisfactory contract can be lengthy and time-consuming and require extensive negotiations and management time. In certain international jurisdictions, from time to time, certain institutions require us to engage in a contract bidding process in the event that such institutions are considering making purchase commitments that exceed specified cost thresholds, which vary by jurisdiction. These processes are only open at certain periods of time, and we may not be successful in the bidding process. If we do not receive access to hospital facilities through these contracting processes or otherwise, or if we are unable to secure contracts or tender successful bids, our sales may stagnate or decrease and our operating results may be harmed. Furthermore, we may expend significant effort in these time-consuming processes and still may not obtain a purchase contract from such hospitals.

### Governments outside the United States may not provide coverage or reimbursement of our products, which may adversely affect our business, results of operations and financial condition.

Acceptance of our products in international markets may depend, in part, upon the availability of coverage and reimbursement within prevailing healthcare payment systems. Reimbursement and healthcare payment systems in international markets vary significantly by country, and include both government-sponsored healthcare and private insurance. Our products may not obtain international coverage and reimbursement approvals in a timely manner, if at all, which may require consumers desiring our products to purchase them directly. Third-party coverage and reimbursement for our products or any of our products in development for which we may receive regulatory approval may not be available or adequate in international markets, which could adversely affect our business, results of operations and financial condition.

#### Our future growth depends on physician awareness of the distinctive characteristics, benefits, safety, clinical efficacy and cost-effectiveness of our products.

We focus our sales, marketing and training efforts on physicians, surgeons and other health care professionals. The acceptance of our products depends in part on our ability to educate physicians as to the distinctive characteristics, benefits, safety, clinical efficacy and cost-effectiveness of our products compared to alternative products, procedures and therapies. If physicians, surgeons or other healthcare professionals are not properly trained, they may misuse or ineffectively use our products, which may result in unsatisfactory patient outcomes, patient injury, negative publicity or lawsuits against us. In addition, a failure to educate physicians, surgeons or other healthcare professionals regarding our products may impair our ability to achieve market acceptance of our products.

# We compete and may compete in the future against other companies, some of which have longer operating histories, more established products or greater resources than we do, which may prevent us from achieving increased market penetration or improved operating results.

The medical device industry is characterized by intense competition, subject to rapid change and significantly affected by market activities of industry participants, new product introductions and other technological advancements. We believe that our competitors have historically dedicated and will continue to dedicate significant resources to promote their products or to develop new products. We have competitors in the United States and internationally, including major medical device and pharmaceutical companies, biotechnology companies and universities and other research institutions.

These companies and other industry participants may develop alternative treatments, products or procedures that compete directly or indirectly with our products. If alternative treatments are, or are perceived to be, superior to our products, sales of our products could be adversely affected and our results of operations could suffer. Our competitors may also develop and patent processes or products earlier than we can or obtain regulatory clearance or approvals for competing products more rapidly than we can, which could impair our ability to develop and commercialize similar processes or products.

Many of our current and potential competitors are major medical device and pharmaceutical companies that have substantially greater financial, technical and marketing resources than we do, and they may succeed in developing products that would render our products obsolete or noncompetitive. It is also possible that our competition will be able to leverage their large market share to set prices at a level below that which is profitable for us.

Some of our competitors enjoy several competitive advantages over us, including:

- greater financial, human and other resources for product research and development, sales and marketing and litigation;
- significantly greater name recognition;
- control of intellectual property and more expansive portfolios of intellectual property rights, which could impact future products under development;
- greater experience in obtaining and maintaining regulatory clearances or approvals for products and product enhancements;
- established relationships with hospitals and other healthcare providers, physicians, suppliers, customers and third-party payers;
- additional lines of products, and the ability to bundle products to offer greater incentives to gain a competitive advantage; and
- more established sales, marketing and worldwide distribution networks.

The potential introduction by competitors of products that compete with our existing or planned products may also make it difficult to market or sell our products. In addition, the entry of multiple new products and competitors may lead some of our competitors to employ pricing strategies that could adversely affect the pricing of our products and pricing in the market generally.

As a result, our ability to compete successfully will depend on our ability to develop proprietary products that reach the market in a timely manner, receive adequate coverage and reimbursement from third-party payers, and are safer, less invasive and more effective than alternatives available for similar purposes. If we are unable to do so, our sales or margins could decrease, which would adversely affect our business, results of operations and financial condition.

# The reclassification of our HA products from medical devices to drugs in the United States by the FDA could negatively impact our ability to market these products and may require that we conduct costly additional clinical studies to support current or future indications for use of those products.

On December 18, 2018, the FDA published notice in the Federal Register announcing its intention to reconsider the appropriate classification of HA intra-articular products intended for the treatment of pain in OA of the knee. Although HA products intended for this use have previously been regulated as medical devices, in its notice the FDA stated that current published scientific literature supports that HA products achieve their primary intended purpose of treatment of pain in OA of the knee through biological action in the body which would require such products being classified as drugs. The FDA has encouraged organizations intending to submit applications for changes in indications for use, formulation, or route of administration of their HA products to obtain from the FDA an informal or formal classification and jurisdiction determination as a drug or device through a pre-request for designation or request for designation, respectively, prior to submission of such application. However, the FDA to date has taken no action to reclassify HA products from medical devices to drugs, or indicated what the potential ramifications would be for currently marketed HA products if a reclassification were to occur.

We currently market three HA products: Durolane, GELSYN-3 and SUPARTZ FX. If the reclassification of HA products were to occur, the FDA may not allow us to continue to market these products without submitting additional clinical trial data, obtaining approval of a NDA for these products, or without otherwise complying with new conditions or limitations on how those products are marketed. Clinical testing can take years to complete, can be expensive and carries uncertain outcomes, and there is no guarantee that would be able to successfully obtain and maintain any required regulatory approvals. These new regulatory obligations could result in increased regulation of Durolane, GELSYN-3 and SUPARTZ FX and would subject these products to a new set of regulatory requirements to which they have not been previously subject. These changes could ultimately increase our costs and adversely impact our business, results of operations and financial condition if they were to be implemented. See *Part I, Item 1A. Risk Factors*—Risks related to our business—If we are unable to achieve and maintain adequate levels of coverage and/or reimbursement for our products, the procedures using our products, or any future products we may seek to commercialize, the commercial success of these products may be severely hindered."

# Our ability to maintain our competitive position depends on our ability to attract, retain and motivate our senior management team and highly qualified personnel, and our failure to do so could adversely affect our business, results of operations and financial condition.

We believe that our continued success depends to a significant extent upon the skill, experience and performance of members of our senior management team, who have been critical to the management of our operations and implementation of our strategy, as well as our ability to continue to attract, retain and motivate additional executive officers, and other key employees and consultants, such as those individuals who are engaged in our research and development efforts. The replacement of any of our key personnel likely would involve significant time and costs and may significantly delay or prevent the achievement of our business objectives and could therefore adversely affect our business, results of operations and financial condition. In addition, we do not carry any "key person" insurance policies that could offset potential loss of service under applicable circumstances.

Competition for experienced employees in the medical device industry can be intense. To attract, retain and motivate qualified employees, we may utilize equitybased incentive awards such as employee stock options. If the value of such equity incentive awards does not appreciate as measured by the performance of the price of our Class A common stock and ceases to be viewed as a valuable benefit, our ability to attract, retain and motivate our employees could be adversely impacted, which could adversely affect our business, results of operations and financial condition and/or require us to increase the amount we expend on cash and other forms of compensation.

### Since inception, our history of operations has included periods of net losses, and we may not be able to sustain profitability.

For the years ended December 31, 2020, 2019 and 2018, we had net income from continuing operations of \$14.7 million, \$8.1 million and \$4.4 million, respectively. We had an accumulated deficit of \$144.5 million and \$141.7 million as of December 31, 2020 and 2019, respectively. Our ability to generate sufficient net sales from our existing products or from any of our products in development or products that we acquire, in order to sustain profitability, is uncertain, and, since inception, our history of operations has previously included periods of net loss. We expect that our operating expenses will continue to increase as we continue to develop, enhance and commercialize new products and incur additional operational costs associated with being a public company. Furthermore, we may not be able to sustain or increase profitability on an ongoing basis. If we do not achieve sustained profitability, it will be more difficult for us to finance our business and accomplish our strategic objectives.

### If we fail to properly manage our anticipated growth, our business could suffer.

We have been growing steadily in recent periods, prior to the impact of COVID-19. We intend to continue to grow and may experience periods of rapid growth and expansion, which could place a significant additional strain on our limited personnel, information technology systems and other resources. In particular, our sales force and distributor network requires significant management, training, financial and other supporting resources. Any failure by us to manage our growth effectively could have an adverse effect on our ability to achieve our development and commercialization goals.

To achieve our revenue goals, we must also successfully increase supply of our products to meet expected customer demand. In the future, we may experience difficulties with yields, quality control, component supply and shortages of qualified personnel, among other problems. These problems could result in delays in product availability and increases in expenses. Any such delay or increased expense could adversely affect our ability to generate revenue.

Future growth will also impose significant added responsibilities on management, including the need to identify, recruit, train and integrate additional employees. In addition, rapid and significant growth will place a strain on our administrative and operational infrastructure.

In order to manage our operations and growth we will need to continue to improve our operational and management controls, reporting and information technology systems and financial internal control procedures. If we are unable to manage our growth effectively, it may be difficult for us to execute our business strategy and our operating results and business could suffer.

### We may not be able to strengthen our brand and the brands associated with our products.

We believe that strengthening the Bioventus brand and the brands associated with our products is critical to achieving widespread acceptance of our products, particularly because of the rapidly developing nature of the market for active healing products. Promoting and positioning our brand will depend largely on the success of our marketing efforts and the reliability of our products. Historically, our efforts to build our brand have involved marketing expenses, and it is likely that our future marketing efforts will require us to incur additional expenses. These brand promotion activities may not yield increased sales and, even if they do, any sales increases may not offset the expenses we incur to promote our brand and our products. If we fail to successfully promote and maintain our brand, or if we incur substantial expenses in an unsuccessful attempt to promote and maintain our brand and the brands of our products, our products may not be accepted by healthcare providers, which would cause our sales to decrease and would adversely affect our business, results of operations and financial condition.

# We face the risk of product liability claims that could be expensive, divert management's attention and harm our reputation and business. We may not be able to maintain adequate product liability insurance.

Our business exposes us to the risk of product liability claims that are inherent in the testing, manufacturing and marketing of our products. This risk exists even if a product is cleared or approved for commercial sale by the FDA and manufactured in facilities regulated by the FDA or an applicable foreign regulatory authority. Our products are designed to affect, and any future products will be designed to affect, important bodily functions and processes. Any side effects, manufacturing defects, misuse or abuse associated with our products or our products in development could result in patient injury or death. The medical device industry has historically been subject to extensive litigation over product liability claims, and we cannot assure you that we will not face product liability claims. We may be subject to product liability claims if our products or products in development cause, or merely appear to have caused, patient injury or death, even if such injury or death was as a result of supplies or components that are produced by third-party suppliers. Product liability claims may be brought against us by consumers, healthcare providers or others selling or otherwise coming into contact with our products, among others. If we cannot successfully defend ourselves against product liability claims, we will incur substantial liabilities and reputational harm. In addition, regardless of merit or eventual outcome, product liability claims may result in:

- costs of litigation;
- distraction of management's attention from our primary business;
- the inability to commercialize existing or new products;
- decreased demand for our products or, if cleared or approved, products in development;
- damage to our business reputation;
- product recalls or withdrawals from the market;
- withdrawal of clinical trial participants;
- substantial monetary awards to patients or other claimants; and
- loss of net sales.

While we have attempted and may continue to attempt to manage our product liability exposure by proactively recalling or withdrawing from the market any defective products, any recall or market withdrawal of our products may delay the supply of those products to our customers and may impact our reputation. For example, we have in the past instituted a voluntary recall for certain of our products. We cannot assure you that we will be successful in initiating appropriate market recall or market withdrawal efforts that may be required in the future or that these efforts will have the intended effect of preventing product malfunctions and the accompanying product liability that may result. Such recalls and withdrawals may also be used by our competitors to harm our reputation for product safety or be perceived by patients as a safety risk when considering the use of our products, either of which could adversely affect our business, results of operations and financial condition.

In addition, although we have product liability and clinical study liability insurance that we believe is appropriate, this insurance is subject to deductibles and coverage limitations. Our current product liability insurance may not continue to be available to us on acceptable terms, if at all, and, if available, coverage may not be adequate to protect us against any future product liability claims. If we are unable to obtain insurance at an acceptable cost or on acceptable terms or otherwise protect against potential product liability claims, we could be exposed to significant liabilities. A product liability claim, recall or other claim with respect to uninsured liabilities or for amounts in excess of insured liabilities could adversely affect our business, results of operations and financial condition.

# Fluctuations in the demand for our products or our inability to forecast demand accurately may influence the ability of our suppliers to meet our delivery needs or result in excess product inventory.

We are required by some of our contracts with suppliers of our products to forecast future product demand or meet minimum purchase requirements. Our supply agreement for Durolane is subject to a minimum order volume for each order and purchase amounts are based in part on forecasts. We are also subject to certain annual minimum purchase requirements for GELSYN-3 and SUPARTZ FX and purchase amounts are based on rolling annual forecasts. Our forecasts are based on multiple assumptions of product and market demand, which may cause our estimates to be inaccurate. If we underestimate demand, we may not have adequate supplies and could have reduced control over pricing, availability and delivery schedules with our suppliers, which could prevent us from meeting increased customer or consumer demand and harm our business. However, if we overestimate our demand, we may have underutilized assets and may experience reduced margins. If we do not accurately align our supplies with demand and/or fail to meet contractual minimum purchase requirements, our business, results of operations and financial condition may be adversely affected. For example, if we fail to order the minimum order quantity of SUPARTZ FX from SKK we are obligated to pay SKK a specified fee equal to the number of units needed to meet the minimum order quantity multiplied by a specified percentage of the purchase price.

# We may face issues with respect to the supply of our products or their components, including increased costs, disruptions of supply, shortages, contamination or mislabeling.

We are dependent on a limited number of suppliers for our products and components used in the manufacturing process of our products. Our top three suppliers provide us with products and components that constituted 53%, 54% and 49% of total net sales for the years ended December 31, 2020, 2019 and 2018, respectively. Durolane, GELSYN-3 and SUPARTZ FX are supplied by single-source third-party manufacturers. Our Exogen system undergoes final assembly with components procured from various suppliers, including a transducer, which is a key component that is supplied by a single source supplier. We may not be able to renew or enter into new contracts with our existing suppliers following the expiration of such contracts on commercially reasonable terms, or at all.

In particular, the success of our bone graft substitutions product portfolio, depends on our suppliers continuing to have access to donated human cadaveric tissue, as well as the maintenance of high standards in their processing methodology. The supply of such donors can fluctuate over time. We cannot be certain that our current suppliers who rely on allograft bone tissue, plus any additional sources that our suppliers identify in the future, will be sufficient to meet our product needs. Our dependence on a limited number of third-party suppliers and the challenges that they may face in obtaining adequate supplies of allograft bone tissue involve several risks, including limited control over pricing, availability, quality and delivery schedules. We may be unable to find an alternative supplier in a reasonable time period or on commercially reasonable terms, if at all, which would adversely affect our business, results of operations and financial condition.

If any of our products or the components used in our products are alleged or proven to include quality or product defects, including as a result of improper methods of tissue recovery from donors and disease transmission from donated tissue or illegal harvesting, we may need to find alternate supplies, delay production of our products, discard or otherwise dispose of our products, or engage in a product recall, all of which may adversely affect our business, results of operations and financial condition. If our products or the components in our products are affected by adverse prices or quality or other concerns, we may not be able to identify alternate sources of components or other supplies that meet our quality controls and standards to sustain our sales volumes or on commercially reasonable terms, or at all.

#### We rely on a limited number of third-party manufacturers to manufacture certain of our products.

Third-party manufacturers generally manufacture Durolane, GELSYN-3, SUPARTZ FX, Exogen components and our bone graft substitutions product portfolio. We have developed in-house assembly capabilities for our Exogen system. We and our third-party manufacturers are required to comply with the QSR which is a set of FDA regulations that establishes cGMP requirements for medical devices and covers the methods and documentation of the design, testing, production, control, quality assurance, labeling, packaging, sterilization, storage and shipping of such devices. Moreover, certain of our products may be re-classified as drugs, and we are planning to seek approval of a product pursuant to the BLA pathway. In each case, such products would be required to comply with the cGMP requirements that apply to drugs and biologics, respectively.

There are a limited number of suppliers and third-party manufacturers that operate under FDA's QSR requirements and that have the necessary expertise and capacity to manufacture our products or components for our products. As a result, it may be difficult for us to locate manufacturers for our anticipated future needs, and our anticipated growth could strain the ability of our current suppliers and third-party manufacturers to deliver products, materials and components to us. Upon expiration of our existing agreements with these third-party manufacturers, we may not be able to renegotiate the terms of our agreements with these third-party manufacturers on a commercially reasonable basis, or at all.

If we or our third-party manufacturers fail to maintain facilities in accordance with the FDA's QSR, the noncomplying party could lose the ability to manufacture our products on a commercial scale. Loss of this manufacturing capability would limit our ability to sell our products, including Durolane, GELSYN-3, SUPARTZ FX and our bone graft substitutions product portfolio, which are manufactured by single-source third-party manufacturers. See "Business—Manufacturing and supply."

The manufacturing of our products may not be easily transferable to other sites in the event that any of our third-party manufacturers experience breakdown, failure or substandard performance of equipment, disruption of supply or shortages of, or quality issues with, components of our products and other supplies, labor problems, power outages, adverse weather conditions, natural disasters, global pandemics, such as COVID-19, or the need to comply with environmental and other directives of governmental agencies. From time to time, a third-party manufacturer may experience financial difficulties, bankruptcy or other business disruptions, which could disrupt our supply of finished goods or require that we incur additional expense by providing financial accommodations to the third-party manufacturer or taking other steps to seek to minimize or avoid supply disruption, such as establishing a new third-party manufacturing arrangement with another provider. The loss of any of these third-party manufacturers or the failure for any reason of any of these third-party manufacturers to fulfill their obligations under their agreements with us, including a failure to meet our quality controls and standards, may result in disruptions to our supply of finished goods. We may be unable to locate an additional or alternate third-party manufacturing arrangement that meets our quality controls and standards in a timely manner or on commercially reasonable terms, if at all. If this occurs, our business, results of operations and financial condition will be adversely affected.

# If our facilities are damaged or become inoperable, we will be unable to continue to research, develop and manufacture our products and, as a result, our business, results of operations and financial condition may be adversely affected until we are able to secure a new facility.

We do not have redundant facilities for the final assembly of our Exogen system. Our other facilities and equipment would be costly to replace and could require substantial lead-time to repair or replace. Our facilities may be harmed or rendered inoperable by natural or man-made disasters, including, but not limited to, tornadoes, flooding, fire and power outages. Such disasters may render it difficult or impossible to manufacture and commercialize our products and conduct our research and development activities for new products, line extensions and expanded indications. The inability to perform those activities, combined with our limited inventory of supplies, components and finished product, may result in the inability to continue manufacturing or supplying our products during such periods and the loss of customers or harm to our reputation. Although we possess insurance for damage to our facilities and the disruption of our business, this insurance may not be sufficient to cover all of our potential losses and this insurance may not continue to be available to us on acceptable terms, or at all.

### If we fail to maintain our numerous contractual relationships, our business, results of operations and financial condition could be adversely affected.

We are party to numerous contracts in the normal course of our business, including our supply and distribution agreements for Durolane, which has a current term expiring in December 2115, GELSYN-3, which has a current term expiring in February 2026, and SUPARTZ FX, which has a current term expiring in December 2028. We have contractual relationships with suppliers, distributors and agents, as well as service providers. In the aggregate, these contractual relationships are necessary for us to operate our business. From time to time, we amend, terminate or negotiate our contracts. We may also periodically be subject to, or make claims of breach of contract, or threaten legal action relating to our contracts. These actions may result in litigation. At any one time, we have a number of negotiations under way for new or amended commercial agreements. We devote substantial time, effort and expense to the administration and negotiation of contracts involved in our business. However, these contracts may not continue in effect past their current term or we may not be able to negotiate satisfactory contracts in the future with current or new business partners, which may adversely affect our business, results of operations and financial condition.

# If we are unable to manage, train, maintain and grow our direct sales team and network of independent distributors, we may not be able to generate anticipated sales or we may be subject to regulatory or enforcement action.

Our operating results are directly dependent upon the sales and marketing efforts of not only our direct sales team, but also our independent distributors. If our direct sales team or independent distributors fail to adequately promote, market and sell our products, our sales could significantly decrease.

We face significant challenges and risks in managing our geographically dispersed distribution network and retaining the individuals who make up that network. If any members of our direct sales team were to leave us, or if any of our independent distributors were to cease to do business with us, our sales could be adversely affected. In such a situation, we may need to seek alternative independent distributors or increase our reliance on our direct sales team, which may not prevent our sales from being adversely affected. If a member of our direct sales team or independent distributor were to depart and be retained by one of our competitors, we may be unable to prevent them from helping competitors solicit business from our existing customers, which could further adversely affect our sales. Because of the competition for their services, we may be unable to recruit or retain additional qualified independent distributors or to hire additional direct sales team members to work with us on favorable or commercially reasonable terms, if at all. Failure to hire or retain qualified members of our direct sales team or independent distributors would prevent us from maintaining or expanding our business and generating sales.

If we launch new products or increase our marketing efforts with respect to existing products, we will need to expand the reach of our marketing and sales networks. Our future success will depend largely on our ability to continue to hire, train, retain and motivate skilled members of our direct sales team and independent distributors with significant technical knowledge in active healing products. New hires require training and take time to achieve full productivity. If we fail to train new hires adequately, or if we experience high turnover in our sales force in the future, we cannot be certain that new hires will become as productive as may be necessary to maintain or increase our sales. Further, if we are unable to adequately train new hires and/or members of our direct sales team engage in practices such as the promotion of unapproved or off-label uses of our devices or if new hires and/or members of our direct sales team engage in practices such as the promotion of unapproved or off-label uses of our devices or third party payers for reasons such as the promotion of unapproved or off-label uses of third party payers for reasons such as the promotion of unapproved or off-label uses or third party payers for reasons such as the promotion of reimbursement process, or inappropriate completion of reimbursement forms. See "—Risks related to government regulation—We may be subject to enforcement action if we engage in improper claims submission practices and resulting audits or denials of our claims by government agencies could reduce our net sales or profits."

If we are unable to expand our sales and marketing capabilities domestically and internationally, we may not be able to effectively commercialize our products, which would adversely affect our business, results of operations and financial condition.

# Actual or attempted breaches of security, unauthorized disclosure of information, denial of service attacks or the perception that personal and/or other sensitive or confidential information in our possession or control is not secure, could result in a material loss of business, substantial legal liability or significant harm to our reputation.

We receive, collect, process, use and store a large amount of information, including personally identifiable, protected health and other sensitive and confidential information. This data is often accessed by us through transmissions over public and private networks, including the Internet. The secure transmission of such information over the Internet and other mechanisms is essential to maintain confidence in our Information Technology (IT) systems. Despite the privacy and security measures we have in place to ensure compliance with applicable laws, regulations and contractual requirements, our facilities and systems, and those of our third-party vendors and service providers, are vulnerable to privacy and security incidents including, but not limited to, computer hacking, breaches, acts of vandalism or theft, computer viruses and other malware, including ransomware or other forms of cyber-attack, misplaced or lost data, programming and/or human errors or other similar events. A party, whether internal or external, that is able to circumvent our security systems could, among other things, misappropriate or misuse sensitive or confidential information, user information or other proprietary information, or cause significant interruptions in our operations. Internal or external parties have and will continue to attempt to circumvent our security systems, and we expect that we may in the future experience external attacks on our network, such as, reconnaissance probes, denial of service attempts, malicious software attacks and phishing attacks.

Because the techniques used to circumvent security systems can be highly sophisticated and change frequently, often are not recognized until launched against a target and may originate from less regulated and remote areas around the world, we may be unable to proactively address all possible techniques or implement adequate preventive measures for all situations. Recent, well-publicized attacks on prominent companies have resulted in the theft of significant amounts of sensitive and personal information and demonstrate the sophistication of the perpetrators and magnitude of the threat posed to companies across the nation, including the health care industry.

If someone is able to circumvent or breach our security systems, they could steal any information located therein or cause interruptions to our operations. Security breaches or attempts thereof could also damage our reputation and expose us to a risk of monetary loss and/or litigation, fines and sanctions. We also face risks associated with security breaches affecting third parties that conduct business with us or our customers and others who interact with our data. While we maintain insurance that covers certain security and privacy breaches, we may not carry appropriate insurance or maintain sufficient coverage to compensate for all potential liability. Additionally, the costs incurred to remediate any data security or privacy incident could be substantial.

We cannot assure you that our third-party service providers with access to our or our customers', suppliers', trial patients', and employees' personally identifiable and other sensitive or confidential information in relation to which we are responsible will not breach contractual obligations imposed by us, or that they will not experience data security breaches or attempts thereof, which could have a corresponding effect on our business including putting us in breach of our obligations under privacy laws and regulations and/or which could in turn adversely affect our business, results of operations and financial condition. While we attempt to address the associated risks by performing security assessments and detailed due diligence, we cannot assure you that these contractual measures and our own privacy and security-related safeguards will protect us from the risks associated with the third-party processing, storage and transmission of such information.

# Failure of a key information technology and communication system, process or site could adversely affect our business, results of operations and financial condition.

We rely extensively on information technology and communication systems and software and hardware products, including those of external providers, to conduct business. These systems and software and hardware impact, among other things, ordering and managing components of our products from suppliers, shipping products to customers on a timely basis, processing transactions, coordinating our sales activities across all of our products, summarizing and reporting results of operations, complying with regulatory, legal or tax requirements, data security and other processes necessary to manage our business.

Despite any precautions we may take, our systems and software and hardware could be exposed to damage or interruption from circumstances beyond our control, such as fire, natural disasters, systems failures, power outages, cyber-attacks, terrorism, energy loss, telecommunications failure, security breaches and attempts thereof, computer viruses and similar disruptions affecting the global Internet. Although we have taken steps to prevent system failures and have back-up systems and procedures to prevent or reduce disruptions, such steps may not prevent an interruption of services and our disaster recovery planning may not be adequate or account for all contingencies. Additionally, our insurance may not adequately compensate us for all losses or failures that may occur. If our systems or software and hardware are damaged or cease to function properly and our business continuity plans do not effectively compensate on a timely basis, we may suffer interruptions in our operations, which could adversely affect our business, results of operations and financial condition.

We will need to improve and upgrade our systems and infrastructure as our operations grow in scale in order to maintain the reliability and integrity of our systems and infrastructure. The expansion of our systems and infrastructure will require us to commit substantial financial, operational and technical resources before the volume of our business increases, with no assurance that the volume of business will increase. Any service outages or delays due to the installation of any new or upgraded technology (and customer issues therewith), or the impact on the reliability of our data from any new or upgraded technology could adversely affect our business, results of operations and financial condition.

# Our business subjects us to economic, political, regulatory and other risks associated with international sales and operations that could adversely affect our business, results of operations and financial condition.

Since we sell our products in many different jurisdictions outside the United States, our business is subject to risks associated with conducting business internationally. We anticipate that net sales from international operations will continue to represent a portion of our total net sales. In addition, a number of our third-party manufacturing facilities and suppliers of our products are located outside the United States. Accordingly, our future results could be harmed by a variety of factors, including:

- · economic weakness, including inflation, or political instability in particular foreign economies and markets;
- foreign currency fluctuations, which could result in increased operating expenses and reduced revenue, and other obligations incident to doing business in another country;
- customers in some foreign countries potentially having longer payment cycles;
- disadvantages of competing against companies from countries that are not subject to U.S. laws and regulations, including the U.S. Foreign Corrupt
  Practices Act (FCPA), regulations of the U.S. Office of Foreign Assets Controls, and U.S. anti-money laundering regulations, as well as exposure of our
  foreign operations to liability under these regulatory regimes;
- · training of third-parties on our products and the procedures in which they are used;
- reduced protection for and greater difficulty enforcing our intellectual property rights;
- unexpected changes in tariffs, trade barriers and regulatory requirements, export licensing requirements or other restrictive actions by foreign governments;
- difficulty in staffing and managing widespread operations, including compliance with tax, employment, immigration and labor laws for employees living or traveling abroad;
- foreign taxes, including withholding of payroll taxes;
- workforce uncertainty in countries where labor unrest is more common than in the United States;
- international regulators and third-party payers requiring additional clinical studies prior to approving or allowing reimbursement for our products;
- complexities associated with managing multiple payer reimbursement regimes, government payers or patient self-pay systems;
- production shortages resulting from any events affecting material supply or manufacturing capabilities abroad; and
- business interruptions resulting from geopolitical actions, including war and terrorism, global pandemics or natural disasters including earthquakes, typhoons, floods and fires.

In addition, further expansion into new international markets may require significant resources and the efforts and attention of our management and other personnel, which may divert resources from our existing business operations. As we expand our business internationally, our success will depend, in large part, on our ability to anticipate and effectively manage these and other risks associated with our operations outside of the United States.

#### We are exposed to foreign currency risks, which may adversely affect our business, results of operations and financial condition.

External events such as the withdrawal by the United Kingdom from the EU, global pandemics, the ongoing uncertainty regarding actual and potential shifts in U.S. and foreign trade, economic and other policies and the passage of U.S. taxation reform legislation each have caused, and may continue to cause, significant volatility in currency exchange rates. Because some of our revenue, expenses, assets and liabilities are denominated in foreign currencies, we are subject to exchange rate and currency risks. In preparing our financial statements, which are presented in U.S. dollars, we must convert all non-U.S. dollar financial results to U.S. dollars at varying exchange rates. This may ultimately result in currency gain or loss, the outcome of which we cannot predict. Furthermore, to the extent that we incur expenses or earn revenue in currencies other than in U.S. dollars, any change in the values of those foreign currencies relative to the U.S. dollar could cause our profits to decrease or our products to be less competitive against those of our competitors. To the extent that our current assets denominated in foreign currency are greater or less than our current liabilities denominated in foreign currencies, we face potential foreign exchange exposure.

To minimize such exposures, we have entered, and may in the future enter, into derivative instruments related to forecasted foreign currency transactions or currency hedges from time to time. Losses from changes in the value of the Euro or other foreign currencies relative to the U.S. dollar could adversely affect our business, results of operations and financial condition.

# We are subject to differing tax rates in several jurisdictions in which we operate, which may adversely affect our business, results of operations and financial condition.

We will be subject to taxes in the United States and certain foreign jurisdictions. Due to economic and political conditions, tax rates in various jurisdictions, including the United States, may be subject to change. Our future effective tax rates could be affected by changes in the mix of earnings in countries with differing statutory tax rates, changes in the valuation of deferred tax assets and liabilities and changes in tax laws or their interpretation. In addition, we may be subject to income tax audits by various tax jurisdictions. Although we believe our income tax liabilities are reasonably estimated and accounted for in accordance with applicable laws and principles, an adverse resolution by one or more taxing authorities could have a material impact on the results of our operations

# International tariffs applied to goods traded between the United States and China may adversely affect our business, results of operations and financial condition.

International tariffs, including tariffs applied to goods traded between the United States and China, may adversely affect our business, results of operations and financial condition. Since the beginning of 2018, there has been increasing rhetoric, in some cases coupled with legislative or executive action, from several U.S. and foreign leaders regarding the possibility of instituting tariffs against foreign imports of certain materials. More specifically, in March and April of 2018, the U.S. and China applied tariffs to certain of each other's exports. The institution of trade tariffs both globally and between the U.S. and China specifically carries the risk of adversely affecting overall economic condition, which could have a negative impact on us as imposition of tariffs could cause an increase in the cost of our products and the components for our products, specifically with respect to our Exogen system, which may adversely affect our business, results of operations and financial condition.

# The 2019 Credit Agreement contains financial and operating restrictions that may limit our access to credit. If we fail to comply with financial or other covenants in the 2019 Credit Agreement, we may be required to repay indebtedness to our existing lenders, which may harm our liquidity.

On December 6, 2019, we entered into a \$250.0 million credit and guaranty agreement, or the 2019 Credit Agreement, with Wells Fargo Bank National Association, as administrative agent and collateral agent, and a syndicate of other entities as lenders. As of December 31, 2020, we had outstanding indebtedness of \$190.0 million under our term loan (leaving \$49.9 million available under our revolving credit facility after giving effect to \$0.1 million in an outstanding letter of credit). We are subject to certain covenants under the 2019 Credit Agreement, including, but not limited to:

- a minimum interest coverage ratio and a maximum debt leverage ratio requirement as defined in our credit agreement;
- restrictions on the declaration or payment of certain distributions on or in respect of our equity interests;
- restrictions on acquisitions, investments and certain other payments;
- limitations on the incurrence of new indebtedness;
- limitations on the incurrence of new liens on property or assets;
- limitations on transfers, sales and other dispositions;
- limitations on entering into transactions with affiliates; and
- limitations on making any material change in any of our business objectives that could reasonably be expected to have a material adverse effect on the repayment of our credit agreement.

Such indebtedness could have significant consequences, including:

- requiring a substantial portion of our cash flows to be dedicated to debt service payments instead of funding growth, working capital, capital expenditures, investments or other cash requirements;
- reducing our flexibility to adjust to changing business conditions or obtain additional financing;
- exposing us to the risk of increased interest rates as certain of our borrowings, including borrowings under our term loan, are at variable rates, making it
  more difficult for us to make payments on our indebtedness;
- restricting us from making strategic acquisitions or causing us to make non-strategic divestitures;
- · subjecting us to restrictive covenants that may limit our flexibility in operating our business; and
- limiting our ability to obtain additional financing for working capital, capital expenditures, debt service requirements and general corporate or other purposes.

In addition, we may not be able to comply with these financial covenants described above in the future. In the absence of a waiver from our lenders, any failure by us to comply with these covenants in the future may result in the declaration of an event of default, which could adversely affect our business, results of operations and financial position. See *Part II, Item 7. Management's discussion and analysis of financial condition and results of operations*—Indebtedness.

### Uncertainty relating to the LIBOR calculation process and potential phasing out of LIBOR in the future may adversely affect our financing costs.

Currently, the 2019 Credit Agreement utilizes the London Interbank Offered Rate (LIBOR), or various alternative methods set forth in the 2019 Credit Agreement to calculate interest on any borrowings. National and international regulators and law enforcement agencies have conducted investigations into a number of rates or indices known as "reference rates." Actions by such regulators and law enforcement agencies may result in changes to the manner in which certain reference rates are determined, their discontinuance or the establishment of alternative reference rates. In particular, on July 27, 2017, the Chief Executive of the United Kingdom Financial Conduct Authority (FCA), which regulates LIBOR, announced that the FCA will no longer persuade or compel banks to submit rates for the calculation of LIBOR after 2021 or, in certain cases, 2023, pursuant to an updated announcement in November 2020. Such announcements indicate that the continuation of LIBOR on the current basis cannot and will not be guaranteed after such dates, as applicable, and it appears highly likely that LIBOR will be discontinued or modified by 2021 or, in certain cases 2023.

At this time, it is not possible to predict the effect that these developments, any discontinuance, modification or other reforms to LIBOR or any other reference rate, or the establishment of alternative reference rates may have on LIBOR, other benchmarks or LIBOR-based debt instruments. Uncertainty as to the nature of such potential discontinuance, modification, alternative reference rates or other reforms could cause the interest rates calculated for the 2019 Credit Agreement to be materially different than expected, which could have a material adverse effect on our financing costs.

# Due to the high degree of uncertainty regarding the implementation and impact of the CARES Act and other legislation related to COVID-19, there can be no assurance as to the total amount of financial assistance we will receive or that we will be able to comply with the applicable terms and conditions for retaining such assistance.

On March 27, 2020, the Coronavirus Aid, Relief and Economic Security (CARES) Act was signed into law, which is aimed at providing emergency assistance and health care for individuals, families, and businesses affected by the COVID-19 pandemic and generally supporting the U.S. economy. The CARES Act, among other things, includes provisions relating to refundable payroll tax credits, deferment of employer social security payments, net operating loss carryback periods, alternative minimum tax credit refunds, and modifications to the net interest deduction limitations. The CARES Act and similar legislation intended to provide assistance related to the COVID-19 pandemic also authorized \$175.0 billion in funding to be distributed by HHS to eligible health care providers. This funding, known as the Provider Relief Fund, is designated to fund eligible healthcare providers' healthcare-related expenses or lost revenues attributable to COVID-19. On December 27, 2020, the Consolidated Appropriations Act, 2021 was signed into law, which adds \$3.0 billion to the Provider Relief Fund. Payments from the Provider Relief Fund are subject to certain eligibility criteria, as well as reporting and auditing requirements, but do not need to be repaid to the U.S. government if recipients comply with the applicable terms and conditions.

In reliance on the CARES Act, we deferred our employer social security payroll tax payments from May 2020 until the remainder of the 2020 calendar year of which, 50% is deferred until December 31, 2021, with the remaining 50% deferred until December 31, 2022. The Company has deferred \$1.9 million of payroll tax payments as of December 31, 2020, half of which has been recorded in accrued liabilities and the remainder in other long-term liabilities on the condensed consolidated balance sheet. We are in the process of analyzing other provision of the CARES Act to determine the financial impact on our condensed consolidated financial statements.

In April 2020, we received, without request, a \$1.2 million payment from the Provider Relief Fund from HHS. We determined that we complied with the conditions to be able to keep and use the funds as reimbursement for health care related expenses and lost revenue attributable to the public health emergency resulting from COVID-19 and submitted to HHS the required attestation to agree to the applicable terms and conditions of the Provider Relief Fund Phase I General Distribution. In July 2020, we applied for and received a second Provider Relief Fund payment totaling \$2.9 million, which is subject to the same conditions as the initial payment. The payments were recorded as other income on the condensed consolidated statement of operations and comprehensive income (loss) for year ended December 31, 2020.

Due to the high degree of uncertainty regarding the implementation of the CARES Act, the Consolidated Appropriations Act, 2021 and other stimulus legislation, there can be no assurance that the terms and conditions of the Provider Relief Fund or other relief programs will not change or be interpreted in ways that affect our ability to comply with such terms and conditions in the future, which could affect our ability to retain such assistance. We will continue to monitor our compliance with the terms and conditions of the Provider Relief Fund, including demonstrating that the distributions received have been used for healthcare-related expenses or lost revenue attributable to COVID-19. If we are unable to comply with current or future terms and conditions, our ability to retain some or all of the distributions received may be impacted, and we may be subject to actions including payment recoupment, audits and inquiries by governmental authorities, and criminal, civil or administrative penalties.

# Our future capital needs are uncertain and we may need to raise additional funds in the future, and such funds may not be available on acceptable terms or at all.

We believe that our current cash and cash equivalents, in combination with the borrowing availability under our credit facility and our expected cash from operations, will be sufficient to meet our projected operating requirements for the foreseeable future. However, we may seek additional funds from public and private stock offerings, borrowings under our existing or new credit facilities or other sources in order to fund future initiatives related to the expansion of our business, which financing may not be available on acceptable or commercially reasonable terms, if at all. For example, pursuant to the Option and Equity Purchase Agreement with CartiHeal and its shareholders, CartiHeal has a put option that would require us to purchase 100% of CartiHeal's shares for \$350.0 million under certain conditions, or the Put Option. The Put Option is only exercisable by CartiHeal upon pivotal clinical trial success of the Agili-C device and we may terminate the Put Option at any time ending 30 days after receipt by CartiHeal of the statistical report regarding the final results of the pivotal clinical upon payment of \$30.0 million to CartiHeal. See *Part II, Item 7. Management's discussion and analysis of financial condition and results of operations*—Strategic transactions—CartiHeal (developer of Agili-C) investment and option and equity purchase agreement.

Furthermore, if we issue equity or debt securities to raise additional capital, our existing stockholders may experience dilution, and the new equity or debt securities may have rights, preferences and privileges senior to those of our existing stockholders. In addition, if we raise additional capital through collaboration, licensing or other similar arrangements, it may be necessary to relinquish valuable rights to our products, potential products or proprietary technologies, or grant licenses on terms that are not favorable to us. If we cannot raise capital on acceptable terms, we may not be able to develop or enhance our products, execute our business plan, take advantage of future opportunities, or respond to competitive pressures, changes in our supplier relationships, or unanticipated customer requirements. Any of these events could adversely affect our business, results of operations and financial condition.

### **Risks related to government regulation**

The risk factors listed below describe the risks we face related to government regulation. The companies who manufacture or produce certain of the products we distribute face similar risks with respect to government regulation relating to such products. If such suppliers are unable to comply with government regulations, they may not be able to continue to supply us with products, which could adversely affect our business, results of operations and financial condition.

# Our products and operations are subject to extensive governmental regulation, and our failure to comply with applicable requirements could cause our business to suffer.

The healthcare industry, and in particular the medical device industry, are regulated extensively by governmental authorities, principally the FDA and corresponding state and foreign regulatory agencies and authorities. The FDA and other U.S. and foreign governmental agencies and authorities regulate and oversee, among other things:

- design, development and manufacturing;
- testing, labeling, content and language of instructions for use and storage;
- clinical trials;
- product safety;
- marketing, sales and distribution;
- premarket clearance and approval;
- conformity assessment procedures;
- record-keeping procedures;
- advertising and promotion;
- recalls and other field safety corrective actions;
- postmarket surveillance, including reporting of deaths or serious injuries and malfunctions that, if they were to recur, could lead to death or serious injury;



- postmarket studies; and
- product import and export.

The regulations to which we are subject are complex and have tended to become more stringent over time. Regulatory changes could result in restrictions on our ability to carry on or expand our operations, higher than anticipated costs or lower than anticipated sales.

The failure to comply with applicable regulations could jeopardize our ability to sell our products and result in enforcement actions such as:

- · administrative or judicially imposed sanctions;
- unanticipated expenditures to address or defend such actions;
- injunctions, consent decrees or the imposition of civil penalties or fines;
- recall or seizure of our products;
- total or partial suspension of production or distribution;
- refusal to grant pending or future clearances or approvals for our products;
- withdrawal or suspension of regulatory clearances or approvals;
- clinical holds;
- untitled letters or warning letters;
- · refusal to permit the import or export of our products; and
- · criminal prosecution of us or our employees.

Any of these sanctions could result in higher than anticipated costs or lower than anticipated sales and harm our reputation, business, results of operations and financial condition.

Moreover, governmental authorities outside the United States have become increasingly stringent in their regulation of medical devices, and our products may become subject to more rigorous regulation by non U.S. governmental authorities in the future. U.S. or non-U.S. government regulations may be imposed in the future that adversely affect our business, results of operations and financial condition. The European Commission has harmonized national regulations for the control of medical devices through European Medical Device Directives with which manufacturers must comply. Under these new regulations, manufacturing plants must have received a full Quality Assurance Certification from a "Notified Body" in order to be able to sell products within the member states of the EU. This certification allows manufacturers to stamp the products of certified plants with a "CE" mark. Products covered by European Commission regulations that do not bear the CE mark cannot be sold or distributed within the EU. We have received certification for all of our manufacturing facilities.

### We may be subject to enforcement action if we engage in improper claims submission practices and resulting audits or denials of our claims by government agencies could reduce our net sales or profits.

In connection with our Exogen system, we submit claims directly to, and receive payments directly from, the Medicare and Medicaid programs and private payers. Therefore, we are subject to extensive government regulation, including detailed requirements for submitting claims under appropriate codes and maintaining certain documentation, including evidence that all medical necessity requirements are met to support our claims. Billing for our Exogen system is complex, time-consuming and expensive, particularly for items and services provided to government healthcare program beneficiaries, such as Medicare and Medicaid. Reimbursement claims may be adversely affected by improper completion of the CMN required in connection with Medicare claims for the Exogen system and we may be subject to investigations by governmental authorities or third party payers and required to prove the validity of the claims or the authenticity of the signatures on the CMNs under investigation. Reimbursement claims may also be adversely affected by the promotion of our devices for unapproved or off-label uses or assistance with the reimbursement process that could result in false or fraudulent claims for reimbursement being submitted to government or private payers. Depending on the billing arrangement and applicable law, we bill various payers, all of which may have different prior authorization, patient qualification and medical necessity requirements, as well as patients for any applicable co-payments or co-insurance amounts. In addition, we may also face increased risk in our collection efforts, including potential write-offs of doubtful accounts and long collection cycles, any of which could adversely affect our business, results of operations and financial condition.

We are also required to implement compliance procedures and oversight, train and monitor our employees, appeal coverage and payment denials, and perform internal audits periodically to assess compliance with applicable laws and regulations as well as internal compliance policies and procedures. We are required to report and return any overpayments received from government payers within 60 days of identification and exercise of reasonable diligence to investigate credible information regarding potential overpayments. Failure to identify and return such overpayments exposes the provider or supplier to liability under federal false claims laws. See *Part I, Item 1A. Risk Factors*—Risks related to government regulation—We are subject to federal, state and foreign laws and regulations relating to our healthcare business, and could face substantial penalties if we are determined not to have fully complied with such laws, which would adversely affect our business, results of operations and financial condition. Moreover, Medicare contractors and Medicaid agencies periodically conduct pre- and post-payment reviews and other audits of claims and are under increasing pressure to more closely scrutinize healthcare claims and supporting documentation. We may be subject to prepayment and post-payment reviews, as well as audits of claims in the future. Private payers may from time to time conduct similar reviews and audits. Any third-party payer reviews and audits of our claims could result in material delays in payment, material recoupments, overpayments, claim denials, fines, revocations of billing privileges, bars on re-enrollment in federal or state healthcare programs, cancellation of our agreements or damage to our reputation, any of which would reduce our net sales and profitability.

For example, in July of 2018 we became aware of allegations that certain of our sales personnel may have been completing Section B of the CMN required in connection with Medicare claims for the Exogen system, which, under federal law, must be completed by the physician and/or physician staff. Together with our outside counsel, Ropes & Gray LLP, we initiated an investigation into these allegations, and we determined that the CMN forms for a portion of Medicare claims for the Exogen system were in fact improperly completed by our sales representatives, some of which also failed to meet CMS coverage requirements. As a result of our findings, we made a self-disclosure on November 30, 2018 to the OIG, under the Provider Self-Disclosure Protocol. Our self-disclosure disclosed the extent of our findings relating to the inappropriate completion of CMN forms by our sales personnel and offered to make repayment for such claims which failed to meet CMS coverage requirements and which we submitted to the Medicare program between October 1, 2012 and September 30, 2018, the statutory period applicable to such conduct. The total value of impacted claims was \$30.1 million in the aggregate. In October 2019, our outside counsel received a letter from the Office of the United States Attorney in the Middle District of North Carolina (USAO), stating that the USAO would be working with the OIG to resolve our self-disclosure. After settlement discussions with the USAO and OIG, on January 25, 2021 we reached a settlement agreement with the USAO and the OIG with respect to the submission of Medicare claims that did not meet CMS coverage requirements and for which our sales representatives completed Section B of the CMN forms. On February 22, 2021, we finalized all terms related to the settlement and entered into a formal settlement agreement with the USAO and OIG consistent with our previous agreement in principle and which included releases from associated False Claims Act liability and further Civil Monetary Penalties that are customary in self-disclosures of this type. Under the agreement, we resolved the potential liability related to our self-disclosure for \$3.6 million, of which \$2.4 million had already been paid through our 2019 return of overpayments described previously, leaving a net payment to be made of \$1.2 million. We made payment of the \$1.2 million net settlement amount due under the agreement on February 23, 2021. The settlement amount noted above was recorded in the consolidated financial statements for the year ended December 31, 2020. In connection with this settlement, we were not subjected to any non-monetary penalties, such as monitoring agreements or requirements to conduct audits and submit reports to the HHS.

# The FDA regulatory process is expensive, time-consuming and uncertain, and the failure to obtain and maintain required regulatory clearances and approvals could prevent us from commercializing our products.

Before we can market or sell a new medical device or other product or a new use of or a claim for or significant modification to an existing medical device in the United States, we must obtain either clearance from the FDA under 510(k) pathway or approval of a PMA, unless an exemption applies. In the United States, we have obtained 510(k) premarket clearance from the FDA to market products such as Signafuse Bioactive Bone Graft Putty, Interface Bioactive Bone Graft and Signafuse Mineralized Collagen Scaffold. Our OA joint pain treatment and joint preservation products, including Durolane, GELSYN-3 and SUPARTZ FX, and our Exogen system, have obtained PMA approval. In the 510(k) clearance process, before a device may be marketed, the FDA must determine that a proposed device is "substantially equivalent" to a legally-marketed "predicate" device, which includes a device that has been previously cleared through the 510(k) process, a device that was legally marketed prior to May 28, 1976 (preamendments device), a device that was originally on the U.S. market pursuant to an approved PMA application and later downclassified, or a 510(k)-exempt device. To be "substantially equivalent," the proposed device must have the same intended use as the predicate device, and either have the same technological characteristics as the predicate device or have different technological characteristics and not raise different questions of safety or effectiveness than the predicate device. Clinical data are sometimes required to support substantial equivalence. In the PMA process, the FDA must determine that a proposed product is safe and effective for our intended use based, in part, on extensive data, including, but not limited to, technical, preclinical, clinical trial, manufacturing and labeling data. The PMA process is typically required for products that are deemed to pose the greatest risk, such as life-sustaining, life-supporting or implantable devices.

Modifications to products that are approved through a PMA application generally require FDA approval. Similarly, certain modifications made to products cleared through a 510(k) may require a new 510(k) clearance. Both the PMA approval and the 510(k) clearance process can be expensive, lengthy and uncertain. The FDA's 510(k) clearance process usually takes from three to twelve months, but can last longer. The process of obtaining a PMA is much more costly and uncertain than the 510(k) clearance process and generally takes from six to 18 months, or even longer, from the time the application is filed with the FDA. In addition, a PMA generally requires the performance of one or more clinical trials. Despite the time, effort and cost, we cannot assure you that any particular device will be approved or cleared by the FDA. Any delay or failure to obtain necessary regulatory approvals could harm our business.

Any modification to one of our 510(k) cleared products that would constitute a major change in its intended use, or any change that could significantly affect the safety or effectiveness of the device would require us to obtain a new 510(k) marketing clearance and may even, in some circumstances, require the submission of a PMA application, if the change raises complex or novel scientific issues or the product has a new intended use. The FDA requires every manufacturer to make the determination regarding the need for a new 510(k) submission in the first instance, but the FDA may review any manufacturer's decision. We may make changes to our 510(k)-cleared products in the future that we may determine do not require a new 510(k) clearance or PMA approval. If the FDA disagrees with our decision not to seek a new 510(k) or PMA approval for changes or modifications to existing devices and requires new clearances or approvals, we may be required to recall and stop marketing our products as modified, which could require us to redesign our products, conduct clinical trials to support any modifications, and pay significant regulatory fines or penalties. If there is any delay or failure in obtaining required clearances or approvals or if the FDA requires us to go through a lengthier, more rigorous examination for future products or modifications to existing products than we had expected, our ability to introduce new or enhanced products in a timely manner would be adversely affected, which in turn would result in delayed or no realization of revenue from such product enhancements or new products and could also result in substantial additional costs which could decrease our profitability.

The FDA can delay, limit or deny clearance or approval of a device for many reasons, including:

- we may not be able to demonstrate to the FDA's satisfaction that the product or modification is substantially equivalent to the proposed predicate device or safe and effective for its intended use;
- the data from our preclinical studies and clinical trials may be insufficient to support clearance or approval, where required; and
- the manufacturing process or facilities we use may not meet applicable requirements.

In addition, the FDA may change its clearance and approval policies, adopt additional regulations or revise existing regulations, or take other actions, which may prevent or delay approval or clearance of our future products under development or impact our ability to modify our currently cleared or approved products on a timely basis. Even after clearance or approval for our products is obtained, we and the products are subject to extensive postmarket regulation by the FDA, including with respect to advertising, marketing, labeling, manufacturing, distribution, import, export, and clinical evaluation. For example, as a condition of approving a PMA application, the FDA may require some form of post-approval study or post-market surveillance, whereby the applicant conducts a follow-up study or follows certain patient groups for a number of years and makes periodic reports to the FDA on the clinical status of those patients when necessary to protect the public health or to provide additional safety and effectiveness data for the device. The product labeling must be updated and submitted in a PMA supplement once results, including any adverse event data from the post-approval study, become available. Failure to conduct post-approval studies in compliance with applicable regulations or to timely complete required post-approval studies or comply with other post-approval requirements could result in withdrawal of approval of the PMA, which would harm our business.

We are also required to timely file various reports with regulatory agencies. If these reports are not timely filed, regulators may impose sanctions and sales of our products may suffer, and we may be subject to product liability or regulatory enforcement actions, all of which could harm our business. In addition, if we initiate a correction or removal for one of our devices, issue a safety alert, or undertake a field action or recall to reduce a risk to health posed by the device, we may be required to submit a report to the FDA, and in many cases, to other regulatory agencies. Such reports could lead to increased scrutiny by the FDA, other international regulatory agencies and our customers regarding the quality and safety of our devices and to negative publicity, including FDA alerts, press releases, or administrative or judicial actions. Furthermore, the submission of these reports has been and could be used by competitors against us in competitive situations and cause customers to delay purchase decisions or cancel orders, which would harm our reputation and business.

The FDA and state authorities have broad enforcement powers. Our failure to comply with applicable regulatory requirements could result in enforcement action by the FDA or state agencies, which may include any of the following sanctions:

- adverse publicity, warning letters, untitled letters, fines, injunctions, consent decrees and civil penalties;
- repair, replacement, refunds, recalls, termination of distribution, administrative detention or seizures of our products;
- operating restrictions, partial suspension or total shutdown of production;
- customer notifications or repair, replacement or refunds;
- refusing our requests for 510(k) clearance or PMA approvals or foreign regulatory approvals of new products, new intended uses or modifications to
  existing products;
- withdrawals of current 510(k) clearances or PMAs or foreign regulatory approvals, resulting in prohibitions on sales of our products;
- · FDA refusal to issue certificates to foreign governments needed to export products for sale in other countries; and
- criminal prosecution.

Any of these sanctions could also result in higher than anticipated costs or lower than anticipated sales and adversely affect our business, results of operations and financial condition.

In addition, the FDA's and other regulatory authorities' policies may change and additional government regulations may be enacted that could prevent, limit or delay regulatory approval of our product candidates. If we are slow or unable to adapt to changes in existing requirements or the adoption of new requirements or policies, or if we are not able to maintain regulatory compliance as a result of a changing regulatory landscape, we may lose any marketing approvals or clearances that we have already obtained or fail to obtain new marketing approvals or clearances, and we may not be able to achieve or sustain profitability, which would adversely affect our business, prospects, financial condition and results of operations.

We also cannot predict the likelihood, nature or extent of government regulation that may arise from future legislation or administrative or executive action, either in the United States or abroad. The results of the 2020 Presidential election may impact our business and industry. Moreover, the Trump administration took several executive actions, including the issuance of a number of Executive Orders, that could impose significant burdens on, or otherwise materially delay, FDA's ability to engage in routine regulatory and oversight activities such as implementing statutes through rule making, issuance of guidance, and review and approval of marketing applications. It is difficult to predict whether or how these executive actions, including the Executive Orders, will be implemented, or whether they will be rescinded or replaced under the Biden administration. The policies and priorities of an incoming administration are unknown and could materially impact the regulatory framework governing our products.

### Once obtained, we cannot guarantee that FDA or international product approvals will not be withdrawn or rescinded or that relevant regulatory authorities will not require other corrective action, and any withdrawal, rescission or corrective action could materially affect our business and financial results.

Once obtained, marketing approval can be withdrawn by the FDA or comparable foreign regulatory authorities for a number of reasons, including the failure to comply with ongoing regulatory requirements or the occurrence of unforeseen problems following initial approval. Regulatory authorities could also limit or prevent the manufacture or distribution of our products. Any regulatory limitations on the use of our products or any withdrawal, suspension or rescission of approval by the FDA or a comparable foreign regulatory authority could have a material adverse effect on our business, financial condition, and results of operations.

# Legislative or regulatory reforms, including those currently under consideration by FDA, could make it more difficult or costly for us to obtain regulatory clearance or approval of any future products and to manufacture, market and distribute our products after clearance or approval is obtained, which could adversely affect our competitive position and materially affect our business and financial results.

From time to time, legislation is drafted and introduced in Congress that could significantly change the statutory provisions governing the regulatory clearance or approval, manufacture and marketing of regulated products or the reimbursement thereof. In addition, FDA may change its clearance and approval policies, adopt additional regulations or revise existing regulations, propose new reclassification orders, or take other actions, which may prevent or delay approval or clearance of our future products under development or impact our ability to market or modify our currently cleared products on a timely basis. FDA and foreign regulations depend heavily on administrative interpretation, and we cannot assure you that future interpretations made by the FDA or other regulatory bodies, with possible retroactive effect, will not adversely affect us. Additionally, any changes, whether in interpretation or substance, in existing regulations or policies, or any future adoption of new regulations or policies by relevant regulatory bodies, could prevent or delay approval of our products. In the event our future, or current, products, including HA generally, are classified, or re-classified, as human drugs, combination products, or biologics by the FDA or an applicable international regulatory body, the applicable review process related to such products is typically substantially longer and substantially more expensive than the review process to which they are currently subject as medical devices. In 2018, FDA publicly indicated its intent to consider HA products for certain indications as drugs and has indicated that sponsors of HA products who submit PMAs or PMA supplements for changes in indications for use, formulation or route of administration should obtain an informal or formal classification and jurisdictional determination through a pre-request for determination or request for determination prior to submission. There exists uncertainty with respect to the final interpretation, implementation, and consequences of

Moreover, over the last several years, the FDA has proposed reforms to its 510(k) clearance process, and such proposals could include increased requirements for clinical data and a longer review period, or could make it more difficult for manufacturers to utilize the 510(k) clearance process for their products. For example, in November 2018, FDA officials announced forthcoming steps that the FDA intends to take to modernize the premarket notification pathway under Section 510(k) of the FDCA. Among other things, the FDA announced that it planned to develop proposals to drive manufacturers utilizing the 510(k) pathway toward the use of newer predicates. These proposals included plans to potentially sunset certain older devices that were used as predicates under the 510(k) clearance pathway, and to potentially publish a list of devices that have been cleared on the basis of demonstrated substantial equivalence to predicate devices that are more than 10 years old. The FDA also announced that it intended to finalize guidance to establish a premarket review pathway for "manufacturers of certain well-understood device types" as an alternative to the 510(k) clearance pathway and that such premarket review pathway would allow manufacturers to rely on objective safety and performance criteria recognized by the FDA to demonstrate substantial equivalence, obviating the need for manufacturers to compare the safety and performance of their medical devices to specific predicate devices in the clearance process.

In May 2019, the FDA solicited public feedback on its plans to develop proposals to drive manufacturers utilizing the 510(k) pathway toward the use of newer predicates, including whether the FDA should publish a list of devices that have been cleared on the basis of demonstrated substantial equivalence to predicate devices that are more than 10 years old. The FDA requested public feedback on whether it should consider certain actions that might require new authority, such as whether to sunset certain older devices that were used as predicates under the 510(k) clearance pathway. These proposals have not yet been finalized or adopted, and the FDA may work with Congress to implement such proposals through legislation. Accordingly, it is unclear the extent to which any proposals, if adopted, could impose additional regulatory requirements on us that could delay our ability to obtain new 510(k) clearances, increase the costs of compliance, or restrict our ability to maintain our current clearances, or otherwise create competition that may negatively affect our business.

More recently, in September 2019, the FDA finalized the aforementioned guidance to describe an optional "safety and performance based" premarket review pathway for manufacturers of "certain, well-understood device types" to demonstrate substantial equivalence under the 510(k) clearance pathway, by demonstrating that such device meets objective safety and performance criteria established by the FDA, obviating the need for manufacturers to compare the safety and performance of their medical devices to specific predicate devices in the clearance process. The FDA intends to maintain a list device types appropriate for the "safety and performance based pathway" and develop product-specific guidance documents that identify the performance criteria for each such device type, as well as the testing methods recommended in the guidance, where feasible. The FDA may establish performance standards, if established, could impact our ability to obtain new 510(k) clearances or otherwise create competition that may negatively affect our business.

In addition, FDA regulations and guidance are often revised or reinterpreted by the FDA in ways that may significantly affect our business and our products. Any new statutes, regulations or revisions or reinterpretations of existing regulations may impose additional costs or lengthen review times of any future products or make it more difficult to obtain clearance or approval for, manufacture, market or distribute our products. We cannot determine what effect changes in regulations, statutes, legal interpretation or policies, when and if promulgated, enacted or adopted may have on our business in the future. Such changes could, among other things, require: additional testing prior to obtaining clearance or approval; changes to manufacturing methods; recall, replacement or discontinuance of our products; or additional record keeping. Additionally, the implementation of the new EU MDR set to take full effect on May 26, 2021 after a one-year postponement due to the COVID-19 pandemic, is expected to change several aspects of the existing regulatory framework in Europe. Specifically, the EU MDR will require changes in the clinical evidence required for medical devices, post-market clinical follow-up evidence, annual reporting of safety information for Class III products, and bi-annual reporting for Class II products, Unique Device Identification (UDI) for all products, submission of core data elements to a European UDI database prior to placement of a device on the market, reclassification of medical devices, and multiple other labeling changes. While we will be able to continue marketing our currently CE-marked products in the EEA after the EU MDR enters into full effect and until the associated CE mark certificates expire, acquiring approvals for new products or renewing our existing CE mark certificates once these expire could be more challenging and costly.

### Our HCT/P products are subject to extensive government regulation and our failure to comply with these requirements could cause our business to suffer.

In the United States, we sell human tissue-derived BGSs, such as PureBone and OsteoAMP, which are referred to by the FDA as human cells, tissues and cellular or tissue-based products, or HCT/Ps. In the U.S., we are marketing our HCT/Ps pursuant to Section 361 of the PHSA and 21 CFR Part 1271 of FDA's regulations. We do not manufacture these HCT/P products, but serve as a distributor for them. So-called Section 361 HCT/Ps are not currently subject to the FDA requirements to obtain marketing authorizations as long as they meet certain criteria provided in FDA's regulations. HCT/Ps regulated as "361 HCT/Ps" are currently subject to requirements relating to registering facilities and listing products with the FDA, screening and testing for tissue donor eligibility, cGTP, when processing, storing, labeling and distributing HCT/Ps, including required labeling information, stringent record keeping and adverse event reporting. If we or our suppliers fail to comply with these requirements, we could be subject to FDA enforcement action, including, for example, warning letters, fines, injunctions, product recalls or seizures, and, in the most serious cases, criminal penalties. To be regulated as Section 361 HCT/Ps, these products must meet FDA's criteria to be considered "minimally manipulated" and intended for "homologous use," among other requirements. HCT/Ps that do not meet the criteria to be considered Section 361 HCT/Ps are subject to the FDA's regulatory requirements applicable to medical devices, biologics or drugs. Device, biologic or drug HCT/Ps must comply both with the requirements exclusively applicable to Section 361 HCT/Ps and, in addition, with other requirements, including requirements for marketing authorization. For example, Section 361 HCT/Ps do not require 510(k) clearance, PMA approval, approval of a BLA, or other premarket authorization from FDA before marketing. Except as described below with regard to MOTYS, we believe our HCT/Ps are regulated solely under Section 361 of the PHSA, and therefore, w

The FDA could disagree with our determination that these human tissue products are Section 361 HCT/Ps and could determine that these products are biologics requiring a BLA or medical devices requiring 510(k) clearance or PMA approval, and could require that we cease marketing such products and/or recall them pending appropriate clearance, approval or licensure from the FDA. For example, the FDA's CDRH issued us a letter in March 2016 in which it asserted that OsteoAMP meets the definition of a medical device, and requested that we provide CDRH with information in support of our position that OsteoAMP does not require 510(k) clearance or PMA approval. We provided CDRH with the requested information in support of this position in May 2016 and we have received no further inquiries to date. We believe that CDRH's assertion is unfounded and inconsistent with a 2011 letter from the FDA concluding that OsteoAMP meets the criteria for regulation solely as a Section 361 HCT/P. However, if the FDA were to disagree, and if we are otherwise unsuccessful in asserting our position, the FDA may then require that we obtain 510(k) clearance or PMA approval and that we cease marketing OsteoAMP and/or recall OsteoAMP unless and until we receive clearance or approval. If we have to cease marketing and/or have to recall any of our BGSs products, including OsteoAmp, our net sales would decrease, which would adversely affect our business, results of operations and financial condition.

HCT/Ps that do not meet the criteria of Section 361 are regulated under Section 351 of the PHSA. Unlike Section 361 HCT/Ps, HCT/Ps regulated as "351" HCT/Ps are subject to premarket review and approval by the FDA. In November 2017, the FDA released a guidance document entitled "Regulatory Considerations for Human Cells, Tissues, and Cellular and Tissue—Based Products: Minimal Manipulation and Homologous Use—Guidance for Industry and Food and Drug Administration Staff." The guidance outlined the FDA's position that all lyophilized amniotic products are more than minimally manipulated and would therefore require a BLA to be lawfully marketed in the United States. The guidance also indicated that the FDA would exercise enforcement discretion, using a risk-based approach, with respect to the IND application and pre-market approval requirements for certain HCT/Ps for a period of 36 months from the issuance date of the guidance to allow manufacturers to pursue its IND application. Under this approach, FDA indicated that high-risk products and uses could be subject to immediate enforcement action; FDA has not clearly stated what must happen by the end of its enforcement discretion period in order to avoid enforcement (i.e., whether a BLA must be approved by that time, or merely submitted). In July 2020, the FDA extended its period of enforcement discretion to May 31, 2021.

We plan to market MOTYS under the FDA's policy of enforcement discretion as we pursue marketing authorization under a BLA for the product. We may be required to cease selling MOTYS if the FDA changes the scope of its enforcement discretion or changes the criteria used to assess which products qualify. In addition, following the period of enforcement discretion articulated in FDA's guidance, we may be required to cease selling MOTYS until such time as we obtain BLA approval or be subject to another enforcement action or penalties. We may also be subject to enforcement on the grounds that we are marketing a product at the same time we are investigating that product pursuant to an IND, in violation of FDA's prohibition on the preapproval promotion of an investigational product. The loss of our ability to market and sell this product could have an adverse impact on our business, results of operations and financial condition. In addition, we expect the cost to manufacture our products will be higher than our other HCT/Ps because of the costs to comply with the more stringent requirements that apply to products regulated as biologics for which a BLA is required (and not just as Section 361 HCT/Ps). These requirements include satisfying cGMP manufacturing standards and performing ongoing product testing. If we do receive BLA approval for this product, changes such as adding new indications, manufacturing changes and additional labeling claims, will be subject to further testing requirements and FDA review and approval.

In addition, the FDA may in the future modify the scope of its enforcement discretion with respect to Section 361 HCT/Ps or change its position on which current or future products qualify as Section 361 HCT/Ps, or determine that some or all of our HCT/P products may not be lawfully marketed under the FDA's policy of enforcement discretion. Any regulatory changes could have adverse consequences for us and make it more difficult or expensive for us to conduct our business by requiring pre-market clearance or approval and compliance with additional post-market regulatory requirements with respect to those products.

### If clinical studies of our future products do not produce results necessary to support regulatory clearance or approval in the United States or elsewhere, we will be unable to expand the indications for or commercialize these products.

We will likely need to conduct additional clinical studies in the future to support new indications for our products or for clearances or approvals of new product lines, or for the approval of the use of our products in some foreign countries. Clinical testing can take many years, can be expensive and carries uncertain outcomes. The initiation and completion of any of these studies may be prevented, delayed, or halted for numerous reasons. Conducting successful clinical studies requires the enrollment of large numbers of patients, and suitable patients may be difficult to identify and recruit. Patient enrollment in clinical trials and completion of patient participation and follow-up depends on many factors, including the size of the patient population, the nature of the trial protocol, the attractiveness of, or the discomforts and risks associated with, the treatments received by enrolled subjects, the availability of appropriate clinical trial investigators and support staff, proximity of patients to clinical sites, patient ability to meet the eligibility and exclusion criteria for participation in the clinical trial and patient compliance. For example, patients may be discouraged from enrolling in our clinical trials if the trial protocol requires them to undergo extensive post-treatment procedures or follow-up to assess the safety and effectiveness of our products or if they determine that the treatments received under the trial protocols are not attractive or involve unacceptable risks or discomforts. Patients may also not participate in our clinical trials if they choose to participate in contemporaneous clinical trials of competitive products. In addition, patients participating in clinical trials may die before completion of the trial or suffer adverse medical events unrelated to investigational products.

For example, in late 2017 we began enrollment for the B.O.N.E.S. clinical study, a uniquely designed trial to further broaden the label of our Exogen system to include a fuller range of bones that may be treated as fresh fractures in predisposed patients at risk of nonunion. The B.O.N.E.S clinical study design includes prospective inclusion of 3,000 Exogen-treated patients presenting certain risk factors observed over the course of 12 months. See *Part I, Item 1. Business*—Business—Development and Clinical Pipeline—Exogen clinical data—Ongoing Bioventus-sponsored clinical studies (B.O.N.E.S.). If we are unable to successfully complete enrollment and conclude the B.O.N.E.S. study, or the data generated from the study does not support these new indications, future demand for our Exogen system may be affected. In October 2020, we received FDA confirmation indicating its authorization of our IND, which will allow us to conduct a clinical trial to support a BLA submission for MOTYS, as well as an additional clinical trial based on a registry of patients who receive MOTYS after our initial commercial launch in the cash pay market. If we are unable to complete enrollment of these trials or if these trials do not support our desired clinical indications for use or show clinical efficacy of the MOTYS product, we may not obtain approval of the BLA and may not be able to continue to sell MOTYS or obtain coverage or reimbursement for the product.

Clinical failure can occur at any stage of testing. Our clinical studies may produce negative or inconclusive results, and we may decide, or regulators may require us, to conduct additional clinical and non-clinical studies in addition to those we have planned. In addition, failure to adequately demonstrate the safety and efficacy of any of our devices would prevent receipt of regulatory clearance or approval and, ultimately, the commercialization of that device or indication for use. Even if our future products are cleared in the United States, commercialization of our products in foreign countries would require approval by regulatory authorities in those countries. Approval procedures vary among jurisdictions and can involve requirements and administrative review periods different from, and greater than, those in the United States, including additional preclinical studies or clinical trials. Any of these occurrences could adversely affect our business, results of operations and financial condition.

### Interim, "top-line" and preliminary data from our clinical trials that we announce or publish from time to time may change as more patient data become available and are subject to audit and verification procedures that could result in material changes in the final data.

From time to time, we may publish interim, "top-line" or preliminary data from our clinical trials. Interim, top-line, or preliminary data from clinical trials that we may complete are subject to the risk that one or more of the clinical outcomes may materially change as patient enrollment continues and more patient data become available. Preliminary, "top-line," or interim data also remain subject to audit and verification procedures that may result in the final data being materially different from the preliminary data we previously published. As a result, interim, "top-line," and preliminary data should be viewed with caution until the final data are available. Differences between preliminary, interim, or "top-line" data and final data could significantly harm our business prospects and may cause the trading price of our common stock to fluctuate significantly.

Further, others, including regulatory agencies, may not accept or agree with our assumptions, estimates, calculations, conclusions or analyses or may interpret or weigh the importance of data differently, which could impact the value of the particular program, the approvability or commercialization of the particular product candidate or product and our business in general. In addition, the information we choose to publicly disclose regarding a particular study or clinical trial is based on what is typically extensive information, and you or others may not agree with what we determine is the material or otherwise appropriate information to include in our disclosure, and any information we determine not to disclose may ultimately be deemed significant with respect to future decisions, conclusions, views, activities or otherwise regarding a particular product candidate or our business. If the interim, "top-line," or preliminary data that we report differ from actual results, or if others, including regulatory authorities, disagree with the conclusions reached, our ability to obtain approval for and commercialize our product candidates, our business, operating results, prospects or financial condition may be harmed.

### We may be subject to enforcement action if we engage in improper marketing or promotion of our products, and the misuse or off-label use of our products may harm our image in the marketplace, result in injuries that lead to product liability suits or result in costly investigations, fines or sanctions by regulatory bodies if we are deemed to have engaged in the promotion of these uses, any of which could be costly to our business.

The medical devices that we currently market have been cleared or approved by the FDA and other foreign regulatory bodies for specific treatments. However, we cannot prevent a physician from using our products outside of such cleared or approved indications for use, known as off-label uses, when in the physician's independent professional medical judgment, he or she deems it appropriate, and we do not analyze the ordering practices of physicians with respect to off-label uses. In cases where prescriptions of our Exogen system are written for off-label uses, we could be subject to regulatory or enforcement actions if we were determined to have engaged in promotion of our products for off-label uses, or otherwise determined to have made false or misleading statements about our products. There may be increased risk of injury to patients if physicians attempt to use our products off-label. Furthermore, the use of our products for indications other than those cleared or approved by the FDA or any foreign regulatory body may not effectively treat such conditions, which could harm our reputation in the marketplace among physicians and patients.

In addition, physicians may misuse our products or use improper techniques if they are not adequately trained, potentially leading to injury and an increased risk of product liability. If our products are misused or used with improper technique, we may become subject to costly litigation by our customers or their patients. Product liability claims could divert management's attention from our core business, be expensive to defend and result in sizeable damage awards against us that may not be covered by insurance.

Further, our promotional materials and training methods must comply with FDA and other applicable laws and regulations, including the prohibition of the promotion of off-label use. If the FDA or any foreign regulatory body determines that our promotional materials or training constitute promotion of an off-label use, the FDA could request that we modify our training, promotional materials or subject us to regulatory or enforcement actions, including the issuance of an untitled letter, a warning letter, injunction, seizure, civil fine or criminal penalties. It is also possible that other federal, state or foreign enforcement authorities might take action if they consider our business activities to constitute promotion of an off-label use, which could result in significant penalties under other statutory authorities, such as laws prohibiting false claims for reimbursement. Such enforcement actions may include, but are not limited to, criminal, civil and administrative penalties, treble damages, fines, disgorgement, exclusion from participation in government healthcare programs, additional reporting requirements and oversight if we become subject to a corporate integrity agreement or similar agreement to resolve allegations of non-compliance with these laws and the curtailment or restructuring of our operations.

# Our products may cause or contribute to adverse medical events that we are required to report to the FDA, and if we fail to do so, we would be subject to sanctions that could materially harm our business.

Some of our marketed products are subject to MDR obligations, which require that we report to the FDA any incident in which our products may have caused or contributed to a death or serious injury, or in which our products malfunctioned and, if the malfunction were to recur, it could likely cause or contribute to a death or serious injury. The timing of our obligation to report under the MDR regulations is triggered by the date we become aware of the adverse event as well as the nature of the event. We may fail to report adverse events of which we become aware within the prescribed timeframe. We may also fail to recognize that we have become aware of a reportable adverse event, especially if it is not reported to us as an adverse event or if it is an adverse event that is unexpected or removed in time from the use of our products. If we fail to comply with our reporting obligations, the FDA could take action including warning letters, untitled letters, administrative actions, criminal prosecution, imposition of civil monetary penalties, revocation of our device clearances, seizure of our products, or delay in clearance of future products.



#### We and our third-party manufacturers and suppliers are subject to various governmental regulations related to the manufacturing of our products.

Our products and the manufacturing processes, reporting requirements, post-approval clinical data and promotional activities for such products, will be subject to continued regulatory review, oversight and periodic inspection by the FDA and other domestic and foreign regulatory bodies. In particular, the methods used in, and the facilities used for, the manufacture of the products that we own and distribute that are regulated as medical devices must comply with the FDA's QSR, which covers the procedures and documentation of the design, testing, production, control, quality assurance, labeling, packaging, sterilization, storage and shipping of medical devices. The FDA enforces the QSR through periodic announced or unannounced inspections of manufacturing facilities, and both we and our third-party manufacturers and suppliers are subject to such inspections. Similarly, the devices we distribute on behalf of third-party manufacturers that are regulated as Section 361 HCT/Ps must be manufactured in compliance with cGTP requirements and other related requirements under FDA's cGMP requirements for drugs. Similarly, if we are successful in obtaining BLA approval for MOTYS, that product will need to comply with the cGMP requirements for biologics, instead of the cGTP requirements that will apply to the product upon our planned launch of the product as a Section 361 HCT/P. The need to comply with different manufacturing requirements may require us to seek new suppliers.

Failure to comply with applicable FDA requirements, or later discovery of previously unknown problems with our products or the manufacturing processes of our third-party manufacturers and suppliers, including any failure to take satisfactory corrective action in response to an adverse regulatory inspection, can result in, among other things:

- administrative or judicially imposed sanctions;
- injunctions or the imposition of civil penalties or fines;
- recall or seizure of our products;
- total or partial suspension of production or distribution;
- refusal to grant pending or future clearances or approvals for our products;
- withdrawal or suspension of regulatory clearances or approvals;
- clinical holds;
- untitled letters or warning letters;
- refusal to permit the import or export of our products; and
- · criminal prosecution of us or our employees.

Any of these actions could prevent or delay us from marketing, distributing or selling our products and would likely harm our business. Furthermore, our suppliers may not currently be or may not continue to be in compliance with all applicable regulatory requirements, which could result in our failure to produce our products on a timely basis and in the required quantities, if at all.

# Our products may be subject to product recalls. A recall of our products, either voluntarily or at the direction of the FDA or another governmental authority, or the discovery of serious safety issues with our products, could adversely affect us.

The FDA and similar foreign governmental authorities have the authority to require the recall of commercialized products in the event of material deficiencies or defects in their design or manufacture. The FDA's authority to require a recall for medical devices must be based on a finding that there is reasonable probability that the device would cause serious injury or death. We may also decide to voluntarily recall our products if certain deficiencies are found. We have in the past instituted a voluntary recall for certain of our products, and we are currently undertaking a voluntary Class II recall of certain vials of ultrasound gel that we provide with our Exogen system due to particulates, which were microbial in nature, found in the gel. The gel is manufactured by a third-party supplier, and we have discontinued the use of that suppliers' gel and have replaced that gel with that of another manufacture. We have identified the affected lots and have notified patients to discard gel bottles from those lots. A government-mandated or voluntary recall could occur as a result of an unacceptable risk to health, component failures, malfunctions, manufacturing errors, design or labeling defects or other deficiencies and issues. Recalls of any of our products in a cost-effective and timely manner in order to meet our customers' demands. We may also be subject to liability claims, be required to bear other costs, or take other actions that could adversely affect our business, results of operations and financial condition.

Companies are required to maintain certain records of recalls and corrections, even if they are not reportable to the FDA. We may initiate voluntary recalls or corrections for our products in the future that we determine do not require notification of the FDA. If the FDA disagrees with our determinations, they could require us to report those actions as recalls and we may be subject to enforcement action.



# As we conduct clinical studies designed to generate long-term data on some of our existing products, the data we generate may not be consistent with our existing data and may demonstrate less favorable safety or efficacy. Data we generate may ultimately not be favorable, or could even hurt the commercial prospects for our products.

We are currently collecting and plan to continue collecting long-term clinical data regarding the quality, safety and effectiveness of some of our existing products. The clinical data collected and generated as part of these studies will further strengthen our clinical evaluation concerning safety and performance of these products. We believe that this additional data will help with the marketing of our products by providing surgeons and physicians with additional confidence in their long-term safety and efficacy. If the results of these clinical studies are negative, these results could reduce demand for our products and significantly reduce our ability to achieve expected net sales. We do not expect to undertake such studies for all of our products and will only do so in the future where we anticipate the benefits will outweigh the costs and risks. For these reasons, surgeons and physicians could be less likely to purchase our products than competing products for which longer-term clinical data are available. Also, we may not choose or be able to generate the comparative data that some of our competitors have or are generating and we may be subject to greater regulatory and product liability risks. If we are unable to or unwilling to collect sufficient long-term clinical data supporting the quality, safety and effectiveness of our existing products, our business, results of operations and financial condition could be adversely affected.

### We may rely on third parties to conduct our clinical studies and to assist us with preclinical development and if they fail to perform as contractually required or expected, we may not be able to obtain regulatory clearance or approval to commercialize our products.

We have relied upon and may continue to rely upon third parties, such as contract research organizations, medical institutions, clinical investigators and contract laboratories to assist in conducting our clinical studies, which must be conducted in accordance with applicable regulations, including GCP and our preclinical development activities. We rely on these parties for execution of our studies, and control only certain aspects of their activities. Nevertheless, we are responsible for ensuring that each of our clinical studies is conducted in accordance with the applicable protocol, legal, regulatory, and scientific standards, and our reliance on these third parties does not relieve us of our regulatory responsibilities. GCPs are regulations and guidelines enforced by the FDA and other regulatory authorities for products in clinical development. Regulatory authorities enforce these GCPs through periodic inspections of trial sponsors, principal investigators, trial sites, and CROs. We cannot assure you that upon inspection by a given regulatory authority, such regulatory authority will determine that any of our clinical trials must be conducted with product produced under applicable manufacturing requirements.

If these third parties fail to successfully carry out their contractual duties, comply with applicable regulatory obligations, including GCP requirements, or meet expected deadlines, or if these third parties must be replaced, or if the quality or accuracy of the data they obtain is compromised due to the failure to adhere to clinical protocols or applicable regulatory requirements or for other reasons, our pre-clinical development activities or clinical studies may be extended, delayed, suspended or terminated. Under these circumstances we may not be able to obtain regulatory clearance or approval for, or successfully commercialize, our products on a timely basis, if at all, and our business, results of operations and financial condition may be adversely affected.

If any of our relationships with these third parties terminate, we may not be able to enter into arrangements with alternative third parties or to do so on commercially reasonable terms. In addition, our third parties are not our employees, and except for remedies available to us under our agreements with them, we cannot control whether or not they devote sufficient time and resources to our on-going clinical, nonclinical and preclinical programs. Switching or adding additional third parties involves additional cost and requires management time and focus. In addition, there is a natural transition period when a new contract research organization (CRO) or other third party vendor commences work. As a result, delays occur, which can materially impact our ability to meet our desired development timelines. Though we carefully manage our relationships with our third party vendors including CROs, there can be no assurance that we will not encounter similar challenges or delays in the future or that these delays or challenges will not have a material adverse impact on our business, financial condition and prospects.

# Healthcare regulatory reform may affect our ability to sell our products profitably and could adversely affect our business, results of operations and financial condition.

In the United States and in certain foreign jurisdictions, there have been a number of legislative and regulatory proposals to change the regulatory and healthcare systems in ways that could prevent or delay marketing approval of our products in development, restrict or regulate post-approval activities of our products and impact our ability to sell our products profitably. In the United States in recent years, new legislation has been proposed and adopted at the federal and state level that is effecting major changes in the healthcare system. In addition, new regulations and interpretations of existing healthcare statutes and regulations are frequently adopted.

In March 2010, the Affordable Care Act was signed into law. While the goal of healthcare reform is to expand coverage to more individuals, it also involves increased government price controls, additional regulatory mandates and other measures designed to constrain medical costs. The Affordable Care Act substantially changes the way healthcare is financed by both governmental and private insurers, encourages improvements in the quality of healthcare items and services and significantly impacts the medical device industry. Among other things, the Affordable Care Act:

- increased the statutory minimum rebates a manufacturer must pay under the Medicaid Drug Rebate Program;
- created a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for drugs that are inhaled, infused, instilled, implanted or injected;
- extended manufacturers' Medicaid rebate liability to individuals enrolled in Medicaid managed care organizations;
- expanded eligibility criteria for Medicaid programs;
- established a new Patient-Centered Outcomes Research Institute to oversee and identify priorities in comparative clinical effectiveness research in an
  effort to coordinate and develop such research; and
- implemented payment system reforms including a national pilot program on payment bundling to encourage hospitals, physicians and other providers to improve the coordination, quality and efficiency of certain healthcare services through bundled payment models.

Since its enactment, there have been judicial and Congressional challenges to certain aspects of the Affordable Care Act, as well as efforts by the former Trump administration to repeal or replace certain aspects of the ACA, and we expect such challenges and amendments to continue. For example, the Tax Cuts and Jobs Act of 2017 includes a provision repealing, effective January 1, 2019, the tax-based shared responsibility payment imposed by the ACA on certain individuals who fail to maintain qualifying health coverage for all or part of a year that is commonly referred to as the "individual mandate." On December 14, 2018, a U.S. District Court Judge in the Northern District of Texas, ruled that the individual mandate is a critical and inseverable feature of the Affordable Care Act, and therefore, because it was repealed as part of the U.S. Tax Act, the remaining provisions of the Affordable Care Act are invalid as well. On December 18, 2019, the U.S. Court of Appeals for the 5th Circuit upheld the District Court ruling that the individual mandate was unconstitutional and remanded the case back to the District Court to determine whether the remaining provisions of the Affordable Care Act are invalid as well. On March 2, 2020, the United States Supreme Court granted the petitions for writs of certiorari to review this case, and the Court held oral argument on November 10, 2020. The case is expected to be decided in mid-2021. It is unclear how this decision and other efforts to challenge, repeal or replace the Affordable Care Act will impact the Affordable Care Act or our business. We expect there will be additional challenges and amendments to the Affordable Care Act in the future.

The results of the 2020 U.S. presidential and congressional elections have created regulatory uncertainty, including with respect to the U.S. government's role, in the U.S. healthcare industry. As a result of such elections, there are renewed and reinvigorated calls for health insurance reform, which could cause significant uncertainty in the U.S. healthcare market, could increase our costs, decrease our revenues or inhibit our ability to sell our products. We cannot predict with certainty what impact any U.S. federal and state health reforms will have on us, but such changes could impose new and/or more stringent regulatory requirements on our activities or result in reduced reimbursement for our products, any of which could adversely affect our business, results of operations and financial condition.

In addition, third-party payers regularly update payments to physicians and hospitals where our products are used. For example, the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) ended the use of the Sustainable Growth Rate Formula, and provided for a 0.5% annual increase in payment rates under the Medicare Physician Fee Schedule through 2019, but no annual update from 2020 through 2025. MACRA also introduced a merit based incentive bonus program for Medicare physicians beginning in 2019. At this time, it is unclear how the introduction of the merit based incentive program will impact overall physician reimbursement under the Medicare program. In addition, the Budget Control Act of 2011 imposed reductions to Medicare payments to providers of 2% per fiscal year, which went into effect on April 1, 2013. Subsequent legislative amendments related to the COVID-19 pandemic suspended this Medicare sequestration payment reduction from May 1, 2020 through March 31, 2021, but extended sequestration through 2030. In January 2013, President Obama signed into law the American Taxpayer Relief Act of 2012, which, among other things, further reduced Medicare payments to several types of providers, and increased the statute of limitations period for the government to recover overpayments to providers from three to five years. These and other payment updates could directly impact the demand for our products or any products we may develop in the future, if cleared or approved.

We expect that the Affordable Care Act, as well as other healthcare reform measures that may be adopted in the future, may result in additional reductions in Medicare and other healthcare funding, more rigorous coverage criteria, new payment methodologies and in additional downward pressure on the price that we receive for any cleared or approved products. Furthermore, we believe that many individuals who have obtained insurance coverage through the health insurance exchanges which arose as a result of the Affordable Care Act have done so with policies that have significantly higher deductibles than policies they may have obtained prior to its enactment. Because the out-of-pocket costs of undergoing certain procedures for patients who have not met their deductible for a given year would be significantly higher than they historically would have been, these patients may be discouraged from undergoing certain procedures due to the cost. Any reluctance on the part of patients to undergo procedures utilizing our products due to cost could impact our ability to expand sales of our products and could adversely impact our business, results of operations and financial condition.

### We are subject to federal, state and foreign laws and regulations relating to our healthcare business, and could face substantial penalties if we are determined not to have fully complied with such laws, which would adversely affect our business, results of operations and financial condition.

Both in our capacity as a pharmaceutical and medical device manufacturer and/or as a supplier of covered items and services to federal health care program beneficiaries, with respect to which items and services we submit claims for reimbursement from such programs, we are subject to healthcare fraud and abuse regulation and enforcement by federal, state and foreign governments, which could adversely impact our business, results of operations and financial condition. Healthcare fraud and abuse and health information privacy and security laws potentially applicable to our operations include:

- the federal Anti-Kickback Statute, which applies to our marketing practices, educational programs, pricing and discounting policies and relationships with healthcare providers, by prohibiting, among other things, persons and entities from knowingly and willfully soliciting, receiving, offering or providing remuneration intended to induce or reward, or in return for, either the referral of an individual for, or the purchase, order or recommendation of an item or service reimbursable under a federal healthcare program, such as the Medicare or Medicaid programs. A person or entity does not need to have actual knowledge of this statute or specific intent to violate it to have committed a violation. Violations are also subject to civil monetary penalties up to \$100,000 for each violation, plus up to three times the remuneration involved. Civil penalties for such conduct can further be assessed under the federal False Claims Act. Violations of the federal Anti-Kickback Statute may also result civil and criminal penalties, including criminal fines of up to \$100,000 and imprisonment of up to ten years, or exclusion from Medicare, Medicaid or other governmental programs;
- the "Stark Law," which prohibits a physician from referring Medicare or Medicaid patients to an entity providing "designated health services," which
  includes durable medical equipment, if the physician or immediate family member of the physician, has an ownership or investment interest in or
  compensation arrangement with such entity that does not comply with the requirements of a Stark exception;
- the federal civil and criminal false claims laws, including the False Claims Act, which impose civil and criminal penalties through governmental, civil whistleblower or qui tam actions, against individuals or entities for, among other things, knowingly presenting, or causing to be presented, claims for payment or approval to the federal government that are false or fraudulent, knowingly making a false statement material to an obligation to pay or transmit money or property to the federal government. Suits filed under the False Claims Act, can be brought by any individual on behalf of the government, known as "qui tam" actions, and such individuals, commonly known as "whistleblowers," may share in any amounts paid by the entity to the government. The frequency of filing qui tam actions has increased significantly in recent years, causing greater numbers of pharmaceutical, medical device and other healthcare companies to have to defend a False Claims Act action. When an entity is determined to have violated the False Claims Act, the government may impose civil fines and penalties ranging from \$11,665 to \$23,331 for each false claim, plus treble damages, and exclude the entity from participation in Medicare, Medicaid and other federal healthcare programs. The government may assert that a claim including items or services resulting from a violation of the federal Anti-Kickback Statute constitutes a false or fraudulent claim for purposes of the false claims statutes;
- the federal civil monetary penalties laws, which impose civil fines for, among other things, the offering or transfer of remuneration to a Medicare or state healthcare program beneficiary if the person knows or should know it is likely to influence the beneficiary's selection of a particular provider, practitioner, or supplier of services reimbursable by Medicare or a state healthcare program, unless an exception applies;

- HIPAA and its implementing regulations, which created federal criminal laws that prohibit, among other things, executing or attempting to execute a
  scheme to defraud any healthcare benefit program or making false statements relating to healthcare matters. Similar to the federal Anti-Kickback Statute,
  a person or entity does not need to have actual knowledge of the statute or specific intent to violate it to have committed a violation;
- HIPAA, as amended by HITECH, and its implementing regulations, which also imposes certain regulatory and contractual requirements regarding the privacy, security and transmission of protected health information, or PHI;
- the federal Physician Payments Sunshine Act, which requires manufacturers of drugs, devices, biologics and medical supplies for which payment is available under Medicare, Medicaid or the Children's Health Insurance Program (with certain exceptions) to report annually to the government information related to certain payments or other "transfers of value" made to physicians (defined to include doctors, dentists, optometrists, podiatrists and chiropractors) and teaching hospitals, and, beginning in 2022, physician assistants, nurse practitioners, and other practitioners, and requires applicable manufacturers to report annually to the government ownership and investment interests held by the providers described above and their immediate family members and payments or other "transfers of value" to such provider owners. Failure to submit required information may result in civil monetary penalties of \$11,766 per failure up to an aggregate of \$176,495 per year (or up to an aggregate of \$1.177 million per year for "knowing failures"), for all payments, transfers of value or ownership or investment interests that are not timely, accurately, and completely reported in an annual submission, and may result in liability under other federal laws or regulations;
- federal consumer protection and unfair competition laws, which broadly regulate marketplace activities and activities that potentially harm consumers;
- federal government price reporting laws, which require us to calculate and report complex pricing metrics in an accurate and timely manner to
  government programs, and where the failure to report such prices may expose us to potential liability; and
- state and foreign law equivalents of each of the above federal laws and regulations, such as anti-kickback, self-referral, fee-splitting and false claims laws
  that may apply to items or services reimbursed by any third-party payer, including commercial insurers; state laws that require pharmaceutical and device
  companies to comply with the industry's voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government
  or otherwise that restrict payments that may be made to healthcare providers; state laws that require drug and device manufacturers to report information
  related to payments and other transfers of value to physicians and other healthcare providers or marketing expenditures and pricing information; and state
  and foreign laws governing the privacy and security of certain health information, such as GDPR, which imposes obligations and restrictions on the
  collection and use of personal data relating to individuals located in the EU (including health data), many of which differ from each other in significant
  ways and some of which may be more stringent than HIPAA or HITECH.

The risk of us being found in violation of these laws and regulations is increased by the fact that many of them have not been fully interpreted by the regulatory authorities or the courts, and their provisions are open to a variety of interpretations. We are unable to predict what additional federal, state or foreign legislation or regulatory initiatives may be enacted in the future regarding our business or the healthcare industry in general, or what effect such legislation or regulations may have on us. Federal, state or foreign governments may impose additional restrictions or adopt interpretations of existing laws that could adversely affect us.

Because of the breadth of these laws and the narrowness of the statutory exceptions and safe harbors available under such laws, it is possible that some of our business activities, including certain sales and marketing practices and financial arrangements with physicians and other healthcare providers, some of whom recommend, use, prescribe or purchase our products, and other customers, could be subject to challenge under one or more of such laws. Any action against us for violation of these laws, even if we successfully defend against it, could cause us to incur significant legal expenses and divert our management's attention from the operation of our business. If our operations are found to be in violation of any of the laws described above or any other governmental regulations that apply to us, we may be subject to penalties, including civil and criminal penalties, damages, fines, exclusion from governmental healthcare programs, disgorgement, contractual damages, reputational harm, diminished profits and future earnings, and the curtailment or restructuring of our operations, any of which could adversely impact our business, results of operations and financial condition.

### We are subject to governmental regulation and other legal obligations, particularly related to privacy, data protection and information security, and we are subject to consumer protection laws that regulate our marketing practices and prohibit unfair or deceptive acts or practices. Our actual or perceived failure to comply with such obligations could harm our business.

We are subject to diverse laws and regulations relating to data privacy and security, including, in the United States, HIPAA and, in the EU, EEA, Regulation 2016/679, known as the GDPR. New privacy rules are being enacted in the United States and globally, and existing ones are being updated and strengthened. Complying with these numerous, complex and often changing regulations is expensive and difficult, and failure to comply with any privacy laws or data security laws or any security incident or breach involving the misappropriation, loss or other unauthorized use or disclosure of sensitive or confidential patient or consumer information, whether by us, one of our business associates or another third-party, could adversely affect our business, results of operations and financial condition, including but not limited to: investigation costs, material fines and penalties; compensatory, special, punitive, and statutory damages; litigation; reputational damage; consent orders regarding our privacy and security practices; requirements that we provide notices, credit monitoring services and/or credit restoration services or other relevant services to impacted individuals; adverse actions against our licenses to do business; and injunctive relief. Furthermore, these rules are constantly changing. For example, the CCPA took effect on January 1, 2020. The CCPA establishes a new privacy framework for covered businesses and provides new and enhanced data privacy rights to California residents, such as affording consumers the right to access and delete their information and to opt out of certain sharing and sales of personal information. The CCPA imposes severe statutory damages as well as a private right of action for certain data breaches that result in the loss of personal information. This private right of action is expected to increase the likelihood of, and risks associated with, data breach litigation. It remains unclear how various provisions of the CCPA will be interpreted and enforced. The CCPA contains an exemption for medical information governed by the CMIA and for PHI collected by a covered entity or business associate governed by the privacy, security and breach notification rules established pursuant to HIPAA, but the precise application and scope of this exemption is not yet clear, and the law may still apply to certain aspects of our business. The CCPA may lead other states to pass comparable legislation, with potentially greater penalties, and more rigorous compliance requirements relevant to our business, and that may not include exemptions for businesses subject to HIPAA. The effects of the CCPA, and other similar state or federal laws, are potentially significant and may require us to modify our data processing practices and policies and to incur substantial costs and potential liability in an effort to comply with such legislation.

The privacy laws in the EU have been significantly reformed. On May 25, 2018, the GDPR entered into force and became directly applicable in all EU member states. The GDPR implements more stringent operational requirements than its predecessor legislation. For example, the GDPR requires us to make more detailed disclosures to data subjects, requires disclosure of the legal basis on which we can process personal data, makes it harder for us to obtain valid consent for processing, requires the appointment of data protection officers when sensitive personal data, such as health data, is processed on a large scale, provides more robust rights for data subjects, introduces mandatory data breach notification through the EU, imposes additional obligations on us when contracting with service providers and requires us to adopt appropriate privacy governance including policies, procedures, training and data audit. If we do not comply with our obligations under the GDPR, we could be exposed to fines of up to the greater of €20 million or up to 4% of our total global annual revenue in the event of a significant breach. In addition, we may be the subject of litigation and/or adverse publicity, which could adversely affect our business, results of operations and financial condition.

Prior to the effectiveness of the GDPR, the US-EU Safe Harbor framework provided a method which permitted the transfer of personal data to the United States under European privacy law; in 2015 it was declared invalid and replaced with the US-EU Privacy Shield framework, or Privacy Shield. On July 16, 2020, the Court of Justice of the European Union, or CJEU, invalidated Privacy Shield. While the CJEU upheld the adequacy of the standard contractual clauses (a standard form of contract approved by the European Commission as an adequate personal data transfer mechanism, and potential alternative to the Privacy Shield), it made clear that reliance on them alone may not necessarily be sufficient in all circumstances; this has created increasing uncertainty. This recent development will require us to review and amend the legal mechanisms by which we make and/or receive personal data transfers to/in the U.S. As supervisory authorities issue further guidance on personal data export mechanisms, including circumstances where the standard contractual clauses cannot be used, and/or start taking enforcement action, we could suffer additional costs, complaints and/or regulatory investigations or fines, and/or if we are otherwise unable to transfer personal data between and among countries and regions in which we operate, it could affect the manner in which we provide our services, the geographical location or segregation of our relevant systems and operations, and could adversely affect our financial results.

Additionally starting on January 1, 2021 (following the United Kingdom's departure from the EU), we will have to comply with the GDPR and the UK GDPR (i.e. the GDPR as implemented into UK law) if we offer services to UK users, monitor their behavior or are established in the United Kingdom. Failure to comply with the UK GDPR can result in fines up to the greater of £17 million (approximately \$20 million), or 4% of global revenue. However, the relationship between the United Kingdom and the European Union in relation to certain aspects of data protection law remains unclear. For example, it is unclear what the role of the Information Commissioner's Office will be following the end of the transitional period. In addition, it is likely that documentation will need to be put in place between UK entities and entities in European member states to ensure adequate safeguards are in place for data transfers, which may result in increased costs with respect to transfers of personal data between the European Union and the UK, which would increase our expenses. We may find it necessary or advantageous to join industry bodies or self-regulatory organizations that impose stricter compliance requirements than those set out in applicable laws, including the GDPR. We may also be bound by contractual restrictions that prevent us from participating in data processing activities that would otherwise be permissible under applicable laws, including the GDPR. Such strategic choices may impact our ability to use and exploit data, and may have an adverse impact on our business.

### Failure to comply with the FCPA and laws associated with our activities outside the United States could adversely affect our business, results of operations and financial condition.

We are subject to the FCPA and other anti-bribery legislation around the world. The FCPA generally prohibits covered entities and their intermediaries from engaging in bribery or making other prohibited payments, offers or promises to foreign officials for the purpose of obtaining or retaining business or other advantages. In addition, the FCPA imposes recordkeeping and internal controls requirements on publicly traded corporations and their foreign affiliates, which are intended to, among other things, prevent the diversion of corporate funds to the payment of bribes and other improper payments, and to prevent the establishment of "off books" slush funds from which such improper payments can be made. As we conduct our business in jurisdictions outside of the United States, we face significant risks if we fail to comply with the FCPA and other laws that prohibit improper payments, offers or promises of obtaining or retaining business or other advantages. In many foreign countries, particularly in countries with developing economies, it may be a local custom that businesses operating in such countries engage in business practices that are prohibited by the FCPA or other laws and regulations. Although we have implemented a company policy requiring our employees and consultants to comply with the FCPA and similar laws, such policy may not be effective at preventing all potential FCPA or other violations. Although our agreements with our international distributors' clearly state our expectations for our distributors' compliance with U.S. laws, including the FCPA, and provide us with various remedies upon any non-compliance, including the ability to terminate the agreement, we also cannot guarantee our distributors' compliance with U.S. laws, including the FCPA, and provide us with various remedies on any non-compliance, including the ability to terminate the agreement, we also cannot guarantee our distributors' compliance with U.S. laws, including the FCPA, and provide us with various remedies on any non-compliance

Furthermore, we are subject to the export controls and economic embargo rules and regulations of the United States, including, but not limited to, the Export Administration Regulations and trade sanctions against embargoed countries, which are administered by the Office of Foreign Assets Control within the Department of the Treasury, as well as the laws and regulations administered by the Department of Commerce. These regulations limit our ability to market, sell, distribute or otherwise transfer our products or technology to prohibited countries or persons. A determination that we have failed to comply, whether knowingly or inadvertently, may result in substantial penalties, including fines, enforcement actions, civil and/or criminal sanctions, the disgorgement of profits, the imposition of a court-appointed monitor, as well as the denial of export privileges, and may adversely affect our business, results of operations and financial condition.

### If we fail to meet Medicare accreditation and surety bond requirements or DMEPOS supplier standards, it could adversely affect our business, results of operations and financial condition.

Our Exogen system is classified by CMS and third-party payers as durable medical equipment. Suppliers of Medicare durable medical equipment, prosthetics, orthotics and supplies (DMEPOS) must be accredited by an approved accreditation organization as meeting DMEPOS quality standards adopted by CMS and are required to meet surety bond requirements. In addition, Medicare DMEPOS suppliers must comply with Medicare supplier standards in order to obtain and retain billing privileges, including meeting all applicable federal and state licensure and regulatory requirements. CMS periodically expands or otherwise clarifies the Medicare DMEPOS supplier standards, and states periodically change licensure requirements, including licensure rules imposing more stringent requirements on out-of-state DMEPOS suppliers. We believe we are currently in compliance with these requirements. If we fail to maintain our Medicare accreditation status and/or do not comply with Medicare surety bond or supplier standard requirements or state licensure requirements in the future, or if these requirements are changed or expanded, it could adversely affect our business, results of operations and financial condition.

# Our operations involve the use of hazardous and toxic materials, and we must comply with environmental, health and safety laws and regulations, which can be expensive, and could adversely affect our business, results of operations and financial condition.

We are subject to a variety of federal, state, local and foreign laws and regulations relating to the protection of the environment or of human health and safety, including laws pertaining to the use, handling, storage, disposal and human exposure to hazardous and toxic materials. Liability under environmental laws can be imposed on a joint and several basis (which could result in an entity paying more than its fair share) and without regard to comparative fault, and environmental laws are likely to become more stringent over time, imposing greater compliance costs and increasing risks and penalties associated with violations, which could adversely affect our business, results of operations and financial condition.

# Our employees, independent distributors, independent contractors, suppliers and other third parties may engage in misconduct or other improper activities, including noncompliance with regulatory standards and requirements, which could expose us to liability and hurt our reputation.

We are exposed to the risk that our employees, independent distributors, independent contractors, suppliers and others may engage in fraudulent conduct or other illegal activity. Misconduct by these parties could include intentional, reckless and/or negligent conduct or disclosure of unauthorized activities to us that violates: (1) FDA laws and regulations, including those laws that require the reporting of true, complete and accurate information to the FDA, (2) manufacturing standards, (3) healthcare fraud and abuse laws, or (4) laws that require the true, complete and accurate reporting of financial information or data. Activities subject to these laws also involve the improper use or misrepresentation of information obtained in the course of clinical trials, creating fraudulent data in our preclinical studies or clinical trials or illegal misappropriation of product, which could result in regulatory sanctions and cause serious harm to our reputation. It is not always possible to identify and deter misconduct by employees and other third parties, and the precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to be in compliance with such laws or regulations. Additionally, we are subject to the risk that a person or government could allege such fraud or other misconduct, even if none occurred.

If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could have a significant impact on our business and financial results, including, without limitation, the imposition of significant civil, criminal and administrative penalties, damages, monetary fines, possible exclusion from participation in Medicare, Medicaid and other federal healthcare programs, reputational harm, diminished profits and future earnings, and curtailment of our operations, any of which could adversely affect our business, results of operations and financial condition.

#### **Risks related to intellectual property matters**

The risk factors listed below describe the risks we face related to intellectual property matters. The companies who own certain of the products we distribute face similar risks with respect to intellectual property relating to such products. If such suppliers are unable to protect their intellectual property rights, they may not be able to continue to supply us with products, which could adversely affect our business, results of operations and financial condition.

# Protection of our intellectual property rights may be difficult and costly, and our inability to protect our intellectual property could adversely affect our competitive position.

Our success depends on our ability to protect our proprietary rights to the technologies and inventions used in, or embodied by, our products. To protect our proprietary technology, we rely on patent protection, as well as a combination of copyright, trade secret and trademark laws, as well as nondisclosure, confidentiality and other contractual restrictions in our consulting and employment agreements. These legal means afford only limited protection, however, and may not adequately protect our rights or permit us to gain or keep any competitive advantage. Our existing confidentiality and/or invention assignment agreements with employees, contractors, and others who participate in IP development activities could be breached, or we may not enter into sufficient and adequate agreements with those individuals in the first instance, and we may not have adequate remedies for such breaches. Furthermore, we may be subject to, and forced to defend against, third-party claims of ownership to our intellectual property. If we fail in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights, such as exclusive ownership of, or rights to use, valuable intellectual property. Such an outcome could adversely affect our business, results of operations and financial condition. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management and other employees.



#### Patents

The process of applying for patent protection is time-consuming and expensive and we cannot assure you that all of our patent applications will issue as patents or that, if issued, they will issue in a form that will be advantageous to us. The rights granted to us under our patents, including prospective rights sought in our pending patent applications, may not be meaningful or provide us with any commercial advantage, and they could be opposed, contested, narrowed, or circumvented by our competitors or declared invalid or unenforceable in judicial or administrative proceedings. We may not be able to file and prosecute all necessary or desirable patent applications at a reasonable cost or in a timely manner. It is also possible that we will fail to identify patentable aspects of our research and development output before it is too late to obtain patent protection. As a result, some of our products are not, and in the future may not be, protected by patents. We generally apply for patents in those countries where we intend to make, have made, use, offer for sale, or sell products and where we assess the risk of infringement to justify the cost of seeking patent protection. However, we do not seek protection in all countries where we sell products and we may not accurately predict all the countries where patent protection would ultimately be desirable. If we fail to timely file a patent application in any such country or major market, we may be precluded from doing so at a later date. Competitors may use our technologies in jurisdictions where we have not obtained patent application to develop their own products and, further, may export otherwise infringing products to territories in which we have patent protection but where such protection may not be sufficient to terminate infringing activities. Furthermore, we may not have the right to control the preparation, filing and prosecuted or enforced in a manner consistent with the best interests of our business. If such licensors fail to maintain such patents, or lo

We own numerous issued patents and pending patent applications relating to our technology and products. The rights granted to us under these patents, including prospective rights sought in our pending patent applications, could be opposed, contested or circumvented by our competitors or declared invalid or unenforceable in judicial or administrative proceedings. If any of our patents are challenged, invalidated or legally circumvented by third-parties, and if we do not own other enforceable patents protecting our products, competitors could market products and use processes that are substantially similar to, or superior to, those of ours, and our business will suffer. In addition, the patents we own may not be of sufficient scope or strength to provide us with any meaningful protection or commercial advantage, and competitors may be able to design around our patents or develop products that provide outcomes comparable to those of ours without infringing on our intellectual property rights.

Even if our patents are determined by the U.S. Patent and Trademark Office (USPTO) foreign patent office, or a court to be valid and enforceable, they may not be drafted or interpreted sufficiently broadly to prevent others from marketing products and services similar to ours or designing around our patents. For example, third parties may be able to develop products that are similar to ours but that are not covered by the claims of our patents. Third parties may assert that we or our licensors were not the first to make the inventions covered by our issued patents or pending patent applications. The claims of our issued patents or patent applications when issued may not cover our commercial technology or the future products and services that we develop. We may not have freedom to operate unimpeded by the patent rights of others. Third parties may have dominating, blocking or other patents relevant to our technology of which we are not aware. In addition, because patent applications in the United States and many foreign jurisdictions are typically not published until 18 months after the filing of certain priority documents (or, in some cases, are not published until they issue as patents) and because publications in the scientific literature often lag behind actual discoveries, we cannot be certain that others have not filed patent applications for our technology or our contemplated technology. Any such patent applications may have priority over our patent applications or issued patents, which could require us to obtain rights from third parties to issued patents or pending patent applications in when the timing of the filing date falls under certain patent laws, we may have to participate in a priority contest (such as an interference proceeding) declared by the USPTO to determine priority of invention in the United States. There may be prior public disclosures of which we are not aware that could invalidate our patents or a portion of the claims of our patents. Further, we may not develop additional proprietar

In addition, patent reform legislation may pass in the future that could lead to additional uncertainties and increased costs surrounding the prosecution, enforcement, and defense of our patents and applications. We may be subject to a third-party preissuance submission of prior art to the USPTO, or become involved in opposition, derivation, reexamination, inter partes review, post-grant review or other patent office proceedings or litigation, in the United States or elsewhere, challenging our patent rights. An adverse determination in any such submission, proceeding or litigation could reduce the scope of, or invalidate, our patent rights, allow third-parties to commercialize our technology or products and compete directly with us, without payment to us, or result in our inability to manufacture or commercialize products without infringing third-party patent rights.

Moreover, the USPTO and various foreign governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other similar provisions during the patent application process. In addition, periodic maintenance fees on issued patents often must be paid to the USPTO and foreign patent agencies over the lifetime of the patent. While an unintentional lapse can in many cases be cured by payment of a late fee or by other means in accordance with the applicable rules, there are situations in which noncompliance can result in abandonment or lapse of the patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. Non-compliance events that could result in abandonment or lapse of a patent or patent application include, but are not limited to, failure to respond to official actions within prescribed time limits, non-payment of fees and failure to properly legalize and submit formal documents. If we fail to maintain the patents and patent applications covering our products or procedures, we may not be able to stop a competitor from marketing products that are the same as or similar to our products, which would adversely affect our business, results of operations and financial condition.

Filing, prosecuting and defending patents on our products in all countries throughout the world would be prohibitively expensive. The requirements for patentability may differ in certain countries, particularly developing countries, and the breadth of patent claims allowed can be inconsistent. In addition, the laws of some foreign countries may not protect our intellectual property rights to the same extent as laws in the United States. Consequently, we may not be able to prevent third parties from practicing our inventions in all countries outside the United States. Competitors may use our technologies in jurisdictions where we have not obtained patent protection to develop their own products and, further, may export otherwise infringing products to territories in which we have patent protection that may not be sufficient to terminate infringing activities.

Due to differences between foreign and U.S. patent laws, our patented intellectual property rights may not receive the same degree of protection in every jurisdiction in which we obtain patents. Furthermore, we do not have patent rights in certain foreign countries in which a market may exist in the future. We may need to expend additional resources to protect or defend our intellectual property rights in these countries, and the inability to protect or defend the same could impair our brand or adversely affect the growth of our business internationally. For example, we may not be able to stop a competitor from marketing and selling in foreign countries products that are the same as or similar to our products.

Patents have a limited lifespan, and the protection patents affords is limited. In the United States, if all maintenance fees are timely paid, the natural expiration of a patent is generally 20 years from its earliest U.S. non-provisional filing date. Even if patents covering our products are obtained, once the patent life has expired for patents covering a product, we may be open to competition from competitive products and services. As a result, our patent portfolio may not provide us with sufficient rights to exclude others from commercializing product candidates similar or identical to ours.

#### Trademarks

We rely on our trademarks as one means to distinguish our products from the products of our competitors, and have registered or applied to register many of these trademarks. However, we may not be able to successfully secure trademark registrations for all such applications. Third-parties may oppose our trademark applications, or otherwise challenge our use of both registered and unregistered trademarks. In the event that our trademarks are successfully challenged, we could be forced to rebrand our products, which could result in loss of brand recognition and could require us to devote resources to advertising and marketing new brands. Our competitors may infringe our trademarks and we may not have adequate resources to enforce our trademarks. Over the long term, if we are unable to establish name recognition based on our trademarks, then we may not be able to compete effectively and our business, results of operations and financial condition may be adversely affected.

#### Trade secrets and know-how

We may not be able to prevent the unauthorized disclosure or use of our technical knowledge or other trade secrets by consultants, vendors, former employees or current employees, despite the existence generally of confidentiality agreements and other contractual restrictions. Monitoring unauthorized uses and disclosures of our intellectual property is difficult, and we do not know whether the steps we have taken to protect our intellectual property will be effective.

Moreover, our competitors may independently develop equivalent knowledge, methods and know-how. For example, the FDA, as part of its Transparency Initiative, is currently considering whether to make additional information publicly available on a routine basis, including information that we may consider to be trade secrets or other proprietary information, and it is not clear at the present time how the FDA's disclosure policies may change in the future, if at all. Our competitors could use any of the information we may be required to disclose by the FDA to develop independently technology similar to those of ours. Competitors could purchase our products and attempt to replicate some or all of the competitive advantages we derive from our development efforts, willfully infringe our intellectual property rights, design around our protected technology or develop their own competitive technologies that fall outside of our intellectual property rights. If our intellectual property is not adequately protected so as to protect our market against competitors' products and methods, our competitive position could be adversely affected, as could our business, results of operations and financial condition.



If we were to enforce a claim that a third-party had illegally obtained, misappropriated or was using our trade secrets, it would be expensive and time consuming, and the outcome would be unpredictable. In addition, courts outside the United States may be less willing to protect trade secrets. If any of the technology or information that we protect as trade secrets were to be independently developed by a competitor, we would have no right to prevent them from using that technology or information to compete with us. Misappropriation or unauthorized disclosure of our trade secrets could impair our competitive position and may adversely affect our business, results of operations and financial condition. Additionally, if the steps taken to maintain our trade secrets are deemed inadequate, we may have insufficient recourse against third parties for misappropriating the trade secret.

# We depend on certain technologies that are licensed to us. We do not control the intellectual property rights covering these technologies and any loss of our rights to these technologies or the rights licensed to us could prevent us from selling our products, which could adversely impact our business, results of operations and financial condition.

We are a party to license agreements under which we are granted rights to intellectual property that is important to our business, and we may need to enter into additional license agreements in the future. We rely on these licenses in order to be able to use and sell various proprietary technologies that are material to our business, as well as technologies which we intend to use in our future commercial activities. Our rights to use these technologies and the inventions claimed in the licensed patents are subject to the continuation of and our compliance with the terms of those licenses. Our existing license agreements impose, and we expect that future license agreements will impose on us, various diligence obligations, payment of milestones or royalties and other obligations. If we fail to comply with our obligations under these agreements, or we are subject to a bankruptcy, the licensor may have the right to terminate the license, in which case we would not be able to market products covered by the license, which would adversely affect our business, results of operations and financial condition.

As we have done previously, we may need to obtain licenses from third parties to advance our research or allow commercialization of our products and technologies. We may fail to obtain any of these licenses on commercially reasonable terms, if at all. Even if we are able to obtain a license, it may be non-exclusive, thereby giving our competitors access to the same technologies licensed to us. In the event that we are not able to acquire a license, we may be required to expend significant time and resources to develop or license replacement technology. If we are unable to do so, we may be unable to develop or commercialize the affected products and technologies, which could materially harm our business. In addition, the third parties owning such intellectual property rights could seek either an injunction prohibiting our sales, or, with respect to our sales, an obligation on our part to pay royalties or other forms of compensation and damages.

In some cases, we may not have the right to control the prosecution, maintenance, or filing of the patents that are licensed to us, or the enforcement of these patents against infringement by third parties. Some of our patents and patent applications were not filed by us, but were either acquired by us or are licensed from third parties. Thus, these patents and patent applications were not drafted by us or our attorneys, and we did not control or have any input into the prosecution of these patents and patent applications prior to our acquisition of, or our entry into a license with respect to, such patents and patent applications. We cannot be certain that the drafting or prosecution of the patents and patent applications licensed to us will result or has resulted in valid and enforceable patents. Further, we do not always retain complete control over our ability to enforce our licensed patent rights against third-party infringement. In those cases, we cannot be certain that our licenser will elect to enforce these patents to the extent that we would choose to do so, or in a way that will ensure that we retain the rights we currently have under our license. If our licensor fails to properly enforce the patents subject to our license in the event of third-party infringement, our ability to retain our competitive advantage with respect to our products may be materially and adversely affected.

Licensing of intellectual property is an important part of our business and involves complex legal, business and scientific issues. Disputes may arise between us and our licensors regarding intellectual property that is subject to a license agreement, including:

- the scope of rights granted under the license agreement and other interpretation-related issues;
- whether and the extent to which our technology and processes infringe on intellectual property of the licensor that is not subject to the license agreement;
- our right to sublicense patent and other rights to third parties under collaborative development relationships;
- our diligence obligations with respect to the use of the licensed technology in relation to our development and commercialization of our products and technologies, and what activities satisfy those diligence obligations; and
- the ownership of inventions and know-how resulting from the joint creation or use of intellectual property by our licensors and us and our partners.

In addition, we may become the owner of intellectual property that was obtained through assignments which may be subject to re-assignment back to the original assignor upon our failure to prosecute or maintain such intellectual property, upon our breach of the agreement pursuant to which such intellectual property was assigned, or upon our bankruptcy.

If disputes over intellectual property that we have licensed prevent or impair our ability to maintain our current licensing arrangements on acceptable terms, or if intellectual property is re-assigned back to the original assignor, we may be unable to successfully develop and commercialize the affected products and technologies.

# Our intellectual property agreements with third parties may be subject to disagreements over contract interpretation, which could narrow the scope of our rights to the relevant intellectual property or technology.

Certain provisions in our intellectual property agreements may be susceptible to multiple interpretations. The resolution of any contract interpretation disagreement that may arise could affect the scope of our rights to the relevant intellectual property or technology, or affect financial or other obligations under the relevant agreement, either of which could adversely affect our business, results of operations and financial condition.

In addition, while it is our policy to require our employees and contractors who may be involved in the conception or development of intellectual property to execute agreements assigning such intellectual property to us, we may be unsuccessful in executing such an agreement with each party who in fact conceives or develops intellectual property that we regard as our own. Our assignment agreements may not be self-executing or may be breached, and we may be forced to bring claims against third parties, or defend claims they may bring against us, to determine the ownership of what we regard as our intellectual property.

# We may in the future be a party to patent and other intellectual property litigation and administrative proceedings that could be costly and could interfere with our ability to successfully market our products.

The medical device industry has been characterized by frequent and extensive intellectual property litigation and is highly competitive. Our competitors or other patent holders may assert that our products and/or the methods employed in our products are covered by their patents or that we are infringing, misappropriating, or misusing their trademark, copyright, trade secret, and/or other proprietary rights.

If our products or methods are found to infringe, we could be prevented from manufacturing or marketing our products. In the event that we become involved in such a dispute, we may incur significant costs and expenses and may need to devote resources to resolving any claims, which would reduce the cash we have available for operations and may be distracting to management and other employees, including those involved in the development of intellectual property. We do not know whether our competitors or potential competitors have applied for, will apply for, or will obtain patents that will prevent, limit or interfere with our ability to make, use, sell, import or export our products. Because patent applications can take many years to issue, third parties may have currently pending patent applications which may later result in issued patents that our products and technologies may infringe, or which such third parties claim are infringed by the use of our products or technologies. There is no guarantee that patents will not issue in the future from currently pending applications that may be infringed by our technology or products. In addition, identification of third-party patent rights that may be relevant to our technology is difficult because patent searching is imperfect due to differences in terminology among patents, incomplete databases, and difficulty in assessing the meaning of patent claims. Moreover, as the medical device industry expands and more patents are issued in this area, the risk increases that we may be subject to claims of infringement of the patent rights of third parties. We cannot assure you that we will prevail in such actions, or that other actions alleging misappropriation or misuse by us of third-party trade secrets or infringement by us of third-party patents, copyrights, trademarks or other rights or challenging the validity of our patents, copyrights, trademarks or other rights or challenging the validity of our patents, copyrights, trademarks or other rights will not be asserted ag

We may also initiate litigation against third-parties to enforce our patent and proprietary rights or to determine the scope, enforceability or validity of the proprietary rights of others. Our intellectual property has not been tested in litigation. If we initiate litigation to protect our rights, we run the risk of having our patents and other proprietary rights invalidated, canceled or narrowed, which could undermine our competitive position. Further, if the scope of protection provided by our patents or patent applications or other proprietary rights is threatened or reduced as a result of litigation, it could discourage third parties from entering into collaborations with us that are important to the commercialization of our products.

We may be subject to ownership disputes relating to intellectual property, including disputes arising from conflicting obligations of consultants or others who are involved in developing our product. Furthermore, if a license to necessary technology is terminated, the licensor may initiate litigation claiming that our processes or products infringe or misappropriate its patent or other intellectual property rights and/or that we breached our obligations under the license agreement, and we and our collaborators would need to defend against such proceedings.

These lawsuits and proceedings, regardless of merit, are time-consuming and expensive to initiate, maintain, defend or settle, and could divert the time and attention of managerial and technical personnel, which could materially adversely affect our business, results of operations and financial condition. Any such claim could also force use to do one or more of the following:

- incur substantial monetary liability for infringement or other violations of intellectual property rights, which we may have to pay if a court decides that the product, service, or technology at issue infringes or violates the third-party's rights, and if the court finds that the infringement was willful, we could be ordered to pay treble damages and the third-party's attorneys' fees;
- pay substantial damages to our customers or end users to discontinue use or replace infringing technology with non-infringing technology;
- stop manufacturing, offering for sale, selling, using, importing, exporting or licensing the product or technology incorporating the allegedly infringing technology or stop incorporating the allegedly infringing technology into such product, service, or technology;
- obtain from the owner of the infringed intellectual property right a license, which may require us to pay substantial upfront fees or royalties to sell or use the relevant technology and which may not be available on commercially reasonable terms, or at all;
- redesign our products, services, and technology so they do not infringe or violate the third-party's intellectual property rights, which may not be possible
  or may require substantial monetary expenditures and time;
- enter into cross-licenses with our competitors, which could weaken our overall intellectual property position;
- lose the opportunity to license our technology to others or to collect royalty payments based upon successful protection and assertion of our intellectual property against others;
- find alternative suppliers for non-infringing products and technologies, which could be costly and create significant delay; or
- relinquish rights associated with one or more of our patent claims, if our claims are held invalid or otherwise unenforceable.

Some of our competitors may be able to sustain the costs of complex intellectual property litigation more effectively than we can because they have substantially greater resources. In addition, intellectual property litigation, regardless of its outcome, may cause negative publicity, adversely impact prospective customers, cause product shipment delays, divert the time, attention and resources of management, or prohibit us from manufacturing, marketing or otherwise commercializing our products, services and technology. Any uncertainties resulting from the initiation and continuation of any litigation could adversely affect our ability to raise additional funds or otherwise adversely affect our business, results of operations and financial condition.

Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation. In addition, during the course of this kind of litigation, there could be public announcements of the results of hearings, motions or other interim proceedings or developments. If these results are perceived to be negative, the price of our Class A common stock could be adversely affected.

In addition, certain of our agreements with suppliers, distributors, customers and other entities with whom we do business may require us to defend or indemnify these parties to the extent they become involved in infringement claims relating to our technologies or products, or rights licensed to them by us. We could also voluntarily agree to defend or indemnify third parties in instances where we are not obligated to do so if we determine it would be important to our business relationships. If we are required or agree to defend or indemnify any of these third parties in connection with any infringement claims, we could incur significant costs and expenses that could adversely affect our business, results of operation and financial condition.

# We may be subject to damages resulting from claims that we or our employees have wrongfully used or disclosed alleged trade secrets of our competitors or former employers or are in breach of non-competition or non-solicitation agreements with our competitors or former employers.

We could in the future be subject to claims that we or our employees have inadvertently or otherwise used or disclosed alleged trade secrets or other proprietary information of former employees or competitors. In addition, we may in the future be subject to claims that we caused an employee to breach the terms of his or her non-competition or non-solicitation agreement. Litigation may be necessary to defend against these claims. Even if we are successful in defending against these claims, litigation could result in substantial costs and could be a distraction to management. If our defense to those claims fails, in addition to paying monetary damages, a court could prohibit us from using technologies or features that are essential to our products, if such technologies or features are found to incorporate or be derived from the trade secrets or other proprietary information of the competitors or former employees. An inability to incorporate technologies or features that are important or essential to our products could adversely affect our business, results of operations and financial condition, and may prevent us from selling our products. In addition, we may lose valuable intellectual property rights or personnel. Any litigation or the threat thereof may adversely affect our ability to hire employees or contract with independent sales representatives. A loss of key personnel or their work product could hamper or prevent our ability to commercialize our products, which could adversely affect our business, results of operations and financial condition.

#### Any product candidates that we develop as biologics subject to the BLA pathway may be subject to competition sooner than anticipated.

We expect to submit a BLA to allow for the marketing of MOTYS following the expiration of FDA's enforcement discretion period for certain HCT/Ps. See "— Risks related to government regulation—Our HCT/P products are subject to extensive government regulation and our failure to comply with these requirements could cause our business to suffer. These products could be subject to significant additional regulatory requirements." The Biologics Price Competition and Innovation Act of 2009 (BPCIA) was enacted as part of the Affordable Care Act to establish an abbreviated pathway for the approval of biosimilar and interchangeable biological products. The regulatory pathway establishes legal authority for the FDA to review and approve biosimilar biologics, including the possible designation of a biosimilar as "interchangeable" based on its similarity to an approved biologic. Under the BPCIA, an application for a biosimilar product cannot be approved by the FDA until 12 years after the reference product was approved under a BLA. The law is complex and is still being interpreted and implemented by the FDA. As a result, its ultimate impact, implementation, and meaning are subject to uncertainty. While it is uncertain when processes intended to implement BPCIA may be fully adopted by the FDA, any of these processes could have a material adverse effect on the future commercial prospects for our biological products.

We believe that any of the product candidates we develop that is approved in the United States as a biological product under a BLA should qualify for the 12-year period of exclusivity. However, there is a risk that this exclusivity could be shortened due to congressional action or otherwise, or that the FDA will not consider the subject product candidates to be reference products for competing products, potentially creating the opportunity for generic competition sooner than anticipated. Moreover, the extent to which a biosimilar, once approved, will be substituted for any one of the reference products in a way that is similar to traditional generic substitution for non-biological products is not yet clear, and will depend on a number of marketplace and regulatory factors that are still developing.

In addition, the approval of a biologic product biosimilar to one of our products could have a material adverse impact on our business as it may be significantly less costly to bring to market and may be priced significantly lower than our products.

### Intellectual property rights do not necessarily address all potential threats to our business.

Once granted, patents may remain open to invalidity challenges including opposition, interference, re-examination, post-grant review, inter partes review, nullification or derivation action in court or before patent offices or similar proceedings for a given period after allowance or grant, during which time third parties can raise objections against such grant. In the course of such proceedings, which may continue for a protracted period of time, the patent owner may be compelled to limit the scope of the allowed or granted claims thus attacked, or may lose the allowed or granted claims altogether.

In addition, the degree of future protection afforded by our intellectual property rights is uncertain because even granted intellectual property rights have limitations, and may not adequately protect our business, provide a barrier to entry against our competitors or potential competitors or permit us to maintain our competitive advantage. Moreover, if a third-party has intellectual property rights that cover the practice of our technology, we may not be able to fully exercise or extract value from our intellectual property rights. The following examples are illustrative:

 others may be able to develop and/or practice technology that is similar to our technology or aspects of our technology, but that are not covered by the claims of the patents that we own or control, assuming such patents have issued or do issue;

- we or our licensors or any future strategic partners might not have been the first to conceive or reduce to practice the inventions covered by the issued
  patent or pending patent application that we own or have exclusively licensed;
- we or our licensors or any future strategic partners might not have been the first to file patent applications covering certain of our inventions;
- others may independently develop similar or alternative technologies or duplicate any of our technologies without infringing our intellectual property rights;
- our pending patent applications may not lead to issued patents;
- issued patents that we own or exclusively license may not provide us with any competitive advantage, or may be held invalid or unenforceable, as a result of legal challenges by our competitors;
- our competitors might conduct research and development activities in countries where we do not have patent rights and then use the information learned from such activities to develop competitive products for sale in our major commercial markets;
- third parties performing manufacturing or testing for us using our products or technologies could use the intellectual property of others without obtaining a proper license;
- parties may assert an ownership interest in our intellectual property and, if successful, such disputes may preclude us from exercising exclusive rights over that intellectual property;
- we may not develop or in-license additional proprietary technologies that are patentable;
- we may not be able to obtain and maintain necessary licenses on commercially reasonable terms, or at all; and
- the patents of others may adversely affect our business.

Should any of these events occur, they could adversely affect our business, results of operations and financial condition.

### Risks related to our organizational structure and the Tax Receivable Agreement

# Our principal asset is our interest in BV LLC, and, accordingly, we depend on distributions from BV LLC to pay our taxes and expenses, including payments under the Tax Receivable Agreement. BV LLC's ability to make such distributions may be subject to various limitations and restrictions.

We are a holding company and have no material assets other than our ownership of LLC Interests of BV LLC. As such, we have no independent means of generating net sales or cash flow, and our ability to pay our taxes and operating expenses or declare and pay dividends in the future, if any, will be dependent upon the financial results and cash flows of BV LLC and its subsidiaries and distributions we receive from BV LLC. There can be no assurance that BV LLC and its subsidiaries will generate sufficient cash flow to distribute funds to us or that applicable state law and contractual restrictions, including negative covenants in our debt instruments, will permit such distributions.

BV LLC will continue to be treated as a partnership for U.S. federal income tax purposes and, as such, generally will not be subject to any entity-level U.S. federal income tax. Instead, taxable income will be allocated to holders of LLC Interests, including us. Accordingly, we will incur income taxes on our allocable share of any net taxable income of BV LLC. Under the terms of the Bioventus LLC Agreement, BV LLC will be obligated to make tax distributions to holders of LLC Interests, including us, subject to any limitations or restrictions in our debt arrangements. In addition to tax expenses, we will also incur expenses related to our operations, including payments under the Tax Receivable Agreement (TRA), which we expect could be significant. See Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence-Tax Receivable Agreement for further information. We intend, as its managing member, to cause BV LLC to make cash distributions to the owners of LLC Interests, including us, in an amount sufficient to (i) fund their or our tax obligations in respect of allocations of taxable income from BV LLC and (ii) cover our operating expenses, including payments under the TRA. However, BV LLC's ability to make such distributions may be subject to various limitations and restrictions, such as restrictions on distributions that would either violate any contract or agreement to which BV LLC is then a party, including debt agreements, or any applicable law, or that would have the effect of rendering BV LLC insolvent. If we do not have sufficient funds to pay taxes or other liabilities or to fund our operations, we may have to borrow funds, which could materially adversely affect our liquidity and financial condition and subject us to various restrictions imposed by any such lenders. To the extent that we are unable to make payments under the TRA for any reason, such payments generally will be deferred and will accrue interest until paid; provided, however, that nonpayment for a specified period may constitute a material breach of a material obligation under the TRA and therefore accelerate payments due under the TRA. See Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence—Tax Receivable Agreement. In addition, if BV LLC does not have sufficient funds to make distributions, our ability to declare and pay cash dividends will also be restricted or impaired.



# The TRA with the Continuing LLC Owner requires us to make cash payments to it in respect of certain tax benefits to which we are or may become entitled, and we expect that the payments we will be required to make could be significant.

We are a party to a TRA with the Continuing LLC Owner. Under the TRA, we are required to make cash payments to the Continuing LLC Owner equal to 85% of the tax benefits, if any, that we actually realize, or in certain circumstances are deemed to realize, as a result of (1) increases in the tax basis of assets of BV LLC resulting from (a) any future redemptions or exchanges of LLC Interests described under Part III, Item 13. Certain Relationships and Related Party Transactions, and Director of Independence-Bioventus LLC Agreement-LLC Interest Redemption Right, and (b) certain distributions (or deemed distributions) by BV LLC and (2) certain other tax benefits arising from payments under the TRA. We expect the amount of the cash payments that we will be required to make under the TRA will be significant. The actual amount and timing of any payments under the TRA will vary depending upon a number of factors, including the timing of redemptions or exchanges by the Continuing LLC Owner, the amount of gain recognized by the Continuing LLC Owner, the amount and timing of the taxable income we generate in the future, and the federal tax rates then applicable. Any payments made by us to the Continuing LLC Owner under the TRA will generally reduce the amount of overall cash flow that might have otherwise been available to us. To the extent that we are unable to make timely payments under the TRA for any reason, the unpaid amounts will be deferred and will accrue interest until paid by us. Furthermore, our obligation to make payments under the TRA could make us a less attractive target for an acquisition, particularly in the case of an acquirer that cannot use some or all of the tax benefits that are the subject of the TRA. Payments under the TRA are not conditioned on the Continuing LLC Owner's continued ownership of LLC Interests or our Class A common stock. For more information, see Part III, Item 13. Certain Relationships and Related Party Transactions, and Director of Independence-Tax Receivable Agreement. Assuming no material changes in the relevant tax laws and that we earn sufficient taxable income to realize all tax benefits that are subject to the TRA, we expect that the tax savings associated with future redemptions or exchanges of all remaining LLC Interests owned by the Continuing LLC Owner pursuant to the Bioventus LLC Agreement as described above, would aggregate to approximately \$73.8 million over 20 years from the date of our IPO based on the IPO price of \$13.00 per share of our Class A common stock and assuming all future redemptions or exchanges would occur by February 11, 2022. Under such scenario, assuming future payments are made on the date each relevant tax return is due, without extensions, we would be required to pay approximately 85% of such amount, or approximately \$62.7 million, over the 20-year period from February 11, 2021. The actual amounts we will be required to pay under the TRA will depend on, among other things, the timing of subsequent redemptions or exchanges of LLC Interests by the Continuing LLC Owner, the price of our shares of Class A common stock at the time of each such redemption or exchange, and the amounts and timing of our future taxable income, and may be significantly different from the amounts described in the preceding sentence. Additionally, in certain cases such payments may be accelerated or significantly exceed the actual benefits we realize. See "----In certain cases, payments under the TRA to the Continuing LLC Owners may be accelerated or significantly exceed the actual benefits we realize in respect of tax attributes subject to the TRA."

# Our organizational structure, including the TRA, confers certain tax benefits upon the Continuing LLC Owner that may not benefit Class A common stockholders to the same extent as they will benefit the Continuing LLC Owner.

Our organizational structure, including the TRA, confers certain tax benefits upon the Continuing LLC Owner that may not benefit the holders of our Class A common stock to the same extent as they will benefit the Continuing LLC Owner. We entered into the TRA with BV LLC and the Continuing LLC Owner that provides for our payment to the Continuing LLC Owner of 85% of the amount of tax benefits, if any, that we actually realize (or in some circumstances are deemed to realize) as a result of (i) increases in the tax basis of assets of BV LLC resulting from (a) any future redemptions or exchanges of LLC Interests described under *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*—Bioventus LLC Agreement—LLC Interest Redemption Right, and (b) certain distributions (or deemed distributions) by BV LLC and (ii) certain other tax benefits arising from payments under the TRA. Although Bioventus will retain 15% of such tax benefits, this and other aspects of our organizational structure may adversely impact the future trading market for the Class A common stock.

# In certain cases, payments under the TRA to the Continuing LLC Owner may be accelerated or significantly exceed the actual benefits we realize in respect of the tax attributes subject to the TRA

The TRA provides that if (i) we materially breach any of our material obligations under the TRA, (ii) certain mergers, asset sales, other forms of business combinations or other changes of control were to occur on or before December 31, 2021 or (iii) we elect an early termination of the TRA, then our obligations or our successor's obligations under the TRA to make payments thereunder would be based on certain assumptions, including an assumption that we would have sufficient taxable income to fully utilize all potential future tax benefits that are subject to the TRA (or, in the case of certain mergers, asset sales, other forms of business combinations or other changes of control occurring after December 31, 2021, that we would have taxable income at least equal to four times the highest taxable income in any of the four fiscal quarters ending prior to the closing date of such transaction (increased by 10% for each taxable year beginning with the second taxable year following such closing date)).

As a result of the foregoing, (i) we could be required to make payments under the TRA that are greater than the specified percentage of the actual benefits we ultimately realize in respect of the tax benefits that are subject to the TRA and (ii) if we materially breach any of our material obligations under the TRA or if we elected to terminate the TRA early, we would be required to make an immediate cash payment equal to the present value of the anticipated future tax benefits that are the subject of the TRA, which payment may be made significantly in advance of the actual realization, if any, of such future tax benefits. In these situations, our obligations under the TRA could have a substantial negative impact on our liquidity and could have the effect of delaying, deferring or preventing certain mergers, asset sales, other forms of business combinations or other changes of control. For example, had we elected to terminate the TRA immediately following our IPO, assuming no material changes in the relevant tax laws or tax rates and that we earn sufficient taxable income to realize all tax potential benefits that are subject to the TRA, we estimate that the aggregate of termination payments would have been approximately \$54.3 million based on our IPO price of \$13.00 per share of our Class A common stock, and assuming LIBOR were to be 0.36%. There can be no assurance that we will be able to fund or finance our obligations under the TRA. We may elect to completely terminate the TRA early only with the written approval of a majority of our directors other than any directors that have been appointed or designated by the Continuing LLC Owner or any of such person's affiliates.

# We may make payments to the Continuing LLC Owner under the TRA that exceed the tax benefits actually realized by us in the event that any tax benefits are disallowed by a taxing authority.

Payments under the TRA are be based on the tax reporting positions that we determine, and the Internal Revenue Service (IRS) or another tax authority may challenge all or part of the tax basis increases, as well as other related tax positions we take, and a court could sustain such challenge. Pursuant to the TRA, the Continuing LLC Owner is required to reimburse us for any cash payments previously made to it under the TRA in the event that any tax benefits actually realized by us and for which payment has been made under the TRA are subsequently challenged by a taxing authority and are ultimately disallowed. In addition, but without duplication of any amounts previously reimbursed by the Continuing LLC Owner, any excess cash payments made by us to the Continuing LLC Owner will be netted against any future cash payments that we might otherwise be required to make to the Continuing LLC Owner under the terms of the TRA. However, we might not determine that we have effectively made an excess cash payment to the Continuing LLC Owner for a number of years following the initial time of such payment. Moreover, there can be no assurance that any excess cash payments for which the Continuing LLC Owner has a reimbursement obligation under the TRA will be repaid to us. As a result, payments could be made under the TRA in excess of the tax savings that we realize in respect of the tax attributes with respect to the Continuing LLC Owner that are the subject of the TRA.

# Unanticipated changes in effective tax rates or adverse outcomes resulting from examination of our income or other tax returns could adversely affect our results of operations and financial condition.

We are subject to taxes by the U.S. federal, state, local and foreign tax authorities, and our tax liabilities will be affected by the allocation of expenses to differing jurisdictions. Our future effective tax rates could be subject to volatility or adversely affected by a number of factors, including:

- changes in the valuation of our deferred tax assets and liabilities;
- expected timing and amount of the release of any tax valuation allowances;
- tax effects of equity-based compensation;
- · changes in tax laws, regulations or interpretations thereof; or
- future earnings being lower than anticipated in countries where we have lower statutory tax rates and higher than anticipated earnings in countries where we have higher statutory tax rates.

In addition, we may be subject to audits of our income, sales and other transaction taxes by U.S. federal, state, local and foreign taxing authorities. Outcomes from these audits could adversely affect our business, results of operations and financial condition.

# If we were deemed to be an investment company under the Investment Company Act of 1940, as amended, or the 1940 Act, as a result of our ownership of BV LLC, applicable restrictions could make it impractical for us to continue our business as contemplated and could adversely affect our business, results of operations and financial condition.

Under Sections 3(a)(1)(A) and (C) of the 1940 Act, a company generally will be deemed to be an "investment company" for purposes of the 1940 Act if (i) it is, or holds itself out as being, engaged primarily, or proposes to engage primarily, in the business of investing, reinvesting or trading in securities or (ii) it engages, or proposes to engage, in the business of investing, reinvesting, owning, holding or trading in securities and it owns or proposes to acquire investment securities having a value exceeding 40% of the value of its total assets (exclusive of U.S. government securities and cash items) on an unconsolidated basis. We do not believe that we are an "investment company," as such term is defined in either of those sections of the 1940 Act.

As the sole managing member of BV LLC, we control and operate BV LLC. On that basis, we believe that our interest in BV LLC is not an "investment security" as that term is used in the 1940 Act. However, if we were to cease participation in the management of BV LLC, our interest in BV LLC could be deemed an "investment security" for purposes of the 1940 Act.

We and BV LLC intend to conduct our operations so that we will not be deemed an investment company. However, if we were to be deemed an investment company, restrictions imposed by the 1940 Act, including limitations on our capital structure and our ability to transact with affiliates, could make it impractical for us to continue our business as contemplated and could adversely affect our business, results of operations and financial condition.

#### Bioventus is controlled by the Original LLC Owners, whose interests may differ from those of our public stockholders.

As of March 22, 2021, the Original LLC Owners control approximately 83.8% of the combined voting power of our common stock through their ownership of both Class A common stock and Class B common stock. The Original LLC Owners will, for the foreseeable future, have the ability to substantially influence us through their ownership position over corporate management and affairs, and will be able to control virtually all matters requiring stockholder approval. The Original LLC Owners are able to, subject to applicable law, and the voting arrangements described in *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*, elect a majority of the members of our Board control actions to be taken by us and our Board, including amendments to our certificate of incorporation and bylaws and approval of significant corporate transactions, including mergers and sales of substantially all of our assets. The directors so elected will have the authority, subject to the terms of our indebtedness and applicable rules and regulations, to issue additional stock, implement stock repurchase programs, declare dividends and make other decisions. It is possible that the interests of the Original LLC Owners may in some circumstances conflict with our interests and the interests of our other stockholders, including you. For example, the Continuing LLC Owner may have different tax positions from us, especially in light of the TRA that could influence our decisions regarding whether and when to dispose of assets, whether and when to incur new or refinance existing indebtedness, and whether and when Bioventus should terminate the TRA and accelerate its obligations thereunder. In addition, the determination of future tax reporting positions and the structuring of future transactions may take into consideration the Continuing LLC Owner's tax or other considerations, which may differ from the considerations of us or our other stockholders.

#### Risks Related to ownership of our Class A common stock

In the past, we identified material weaknesses in our internal control over financial reporting. If we experience additional material weaknesses in the future or otherwise fail to maintain an effective system of internal controls, we may not be able to accurately or timely requirements applicable to public companies, which may adversely affect investor confidence in us, and, as a result, the market price of our Class A common stock.

Ensuring that we have adequate internal financial and accounting controls and procedures in place so that we can produce accurate financial statements on a timely basis is a costly and time-consuming effort that needs to be re-evaluated frequently. Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with GAAP.

A material weakness is a deficiency, or combination of deficiencies in internal control over financial reporting such that there is a reasonable possibility that a material misstatement of our financial statements will not be prevented or detected on a timely basis.

In connection with the audit of our consolidated financial statements as of and for the year ended December 31, 2020, we determined that we no longer have a material weakness associated with the proper processing of Exogen reimbursement claims in accordance with regulations and contractual terms. We implemented measures designed to improve our internal control over financial reporting to remediate such material weakness. These efforts included:

- the augmentation, reorganization and training of our prescription to cash staff, which includes our direct sales team, order management personnel, patient
  financial services personnel and reimbursement services and accounts receivable personnel, regarding key aspects of regulations and requirements and
  how to deal with inconsistencies within patient medical records;
- implementation of monthly sales order testing on sampling basis by our Compliance department including a review of medical necessity;
- establishment of a cross functional governance committee, reporting to an executive steering committee to review and approve our Exogen Medicare policy and oversee future Exogen policy and process interpretations and changes; and
- implementation of a checklist to be completed for each Medicare order to ensure compliance with our policy for Medicare claims and then further automating this checklist.

We cannot assure you that the measures we have taken to date, and actions we may take in the future, will be sufficient to prevent or avoid potential future material weaknesses. If we identify any additional material weaknesses, the accuracy and timing of our financial reporting may be adversely affected, we may be unable to maintain compliance with securities law requirements regarding timely filing of periodic reports in addition to applicable stock exchange listing requirements, investors may lose confidence in our financial reporting, and the market price of our Class A common stock may decline as a result. We could also become subject to investigations by the SEC or other regulatory authorities, which could require additional financial and management resources.

# Failure to establish and maintain effective internal controls in accordance with Section 404 of the Sarbanes-Oxley Act could adversely affect our business and stock price.

We are required to comply with the SEC's rules implementing Sections 302 and 404 of the Sarbanes-Oxley Act, which require management to certify financial and other information in our quarterly and annual reports and provide an annual management report on the effectiveness of internal controls over financial reporting. Though we will be required to disclose changes made in our internal controls and procedures on a quarterly basis, we will not be required to make our first annual assessment of our internal control over financial reporting pursuant to Section 404 until the year following our first annual report required to be filed with the SEC. However, as an emerging growth company, our independent registered public accounting firm will not be required to formally attest to the effectiveness of our internal control over financial reporting pursuant to Section 404 until the later of the year following our first annual report required to be filed with the SEC or the date we are no longer an emerging growth company. At such time, our independent registered public accounting firm may issue a report that is adverse in the event it is not satisfied with the level at which our controls are documented, designed or operating.

To comply with the requirements of being a public company, we have undertaken various actions, and may need to take additional actions, such as implementing new internal controls and procedures and hiring additional accounting or internal audit staff. Testing and maintaining internal controls can divert our management's attention from other matters that are important to the operation of our business. Additionally, when evaluating our internal controls over financial reporting, we may identify material weaknesses that we may not be able to remediate in time to meet the applicable deadline imposed upon us for compliance with the requirements of Section 404. If we identify any material weaknesses in our internal controls over financial reporting or are unable to comply with the requirements of Section 404 in a timely manner or assert that our internal controls over financial reporting is effective, or if our independent registered public accounting firm is unable to express an opinion as to the effectiveness of our internal controls over financial reporting once we are no longer an emerging growth company, investors may lose confidence in the accuracy and completeness of our financial reports and the market price of our Class A common stock could be adversely affected, and we could become subject to investigations by the stock exchange on which our securities are listed, the SEC or other regulatory authorities, which could require additional financial and management resources.

# We are a "controlled company" within the meaning of Nasdaq listing standards and, as a result, will qualify for, and intend to rely on, exemptions from certain corporate governance requirements. You will not have the same protections afforded to stockholders of companies that are subject to such requirements.

The Former LLC Owners and Continuing LLC Owner (Voting Group), which holds Class A common stock and Class B common stock representing approximately 83.8% of the combined voting power of our common stock, entered into a Stockholders Agreement (Stockholders Agreement) (see *Part III, Item 13. Certain Relationships and Related Party Transactions, and Director of Independence*). For a period of time, the parties to the Stockholders Agreement will agree to vote their shares of Class A common stock and Class B common stock in favor of the election of the nominees of certain members of the Voting Group to our Board upon their nomination by the nominating and corporate governance committee of our Board.

Because of the Stockholders Agreement and the aggregate voting power over our Class A common stock and Class B common stock held by the parties to the Stockholders Agreement, we are considered a "controlled company" for the purposes of Nasdaq. As such, we are exempt from certain corporate governance requirements of Nasdaq, including (1) the requirement that a majority of the Board consist of independent directors, (2) the requirement that we have a nominating and corporate governance committee that is composed entirely of independent directors and (3) the requirement that we have a compensation committee that is composed entirely on some or all of these exemptions. As a result, we do not have a majority of independent directors and our compensation and nominating and corporate governance committees do not consist entirely of independent directors. Accordingly, you will not have the same protections afforded to stockholders of companies that are subject to all of the corporate governance requirements of Nasdaq.

# Taking advantage of the reduced disclosure requirements applicable to "emerging growth companies" may make our Class A common stock less attractive to investors.

The JOBS Act provides that, so long as a company qualifies as an "emerging growth company," it will, among other things:

• be exempt from the provisions of Section 404(b) of the Sarbanes-Oxley Act requiring that its independent registered public accounting firm provide an attestation report on the effectiveness of its internal control over financial reporting;



- be exempt from the "say on pay" and "say on golden parachute" advisory vote requirements of the Dodd-Frank Wall Street Reform and Customer Protection Act, or the Dodd-Frank Act;
- be exempt from certain disclosure requirements of the Dodd-Frank Act relating to compensation of its executive officers and be permitted to omit the detailed compensation discussion and analysis from proxy statements and reports filed under the Exchange Act; and
- be permitted to provide a reduced level of disclosure concerning executive compensation and be exempt from any rules that have been adopted by the Public Company Accounting Oversight Board requiring a supplement to the auditor's report on the financial statements or that may be adopted requiring mandatory audit firm rotations.

We are an "emerging growth company," as defined in the JOBS Act, and we could be an emerging growth company for up to five years following our IPO. For as long as we continue to be an emerging growth company, we may choose to take advantage of certain exemptions from various reporting requirements that are applicable to other public companies. We have irrevocably elected not to take advantage of the extension of time to comply with new or revised financial accounting standards available under Section 107(b) of the JOBS Act. We have also taken advantage of certain reduced reporting burdens in this Annual Report. We could be an emerging growth company for up to five years after our IPO and will continue to be an emerging growth company unless our total annual gross revenues are \$1.07 billion or more, we have issued more than \$1 billion in non-convertible debt in the past three years or we become a "large accelerated filer" as defined in the Exchange Act. If we remain an "emerging growth company", we may take advantage of other exemptions, including the exemptions from the advisory vote requirements and executive compensation disclosures under the Dodd-Frank Act and the exemption from the provisions of Section 404(b) of the Sarbanes-Oxley Act. We cannot predict if investors will find our Class A common stock less attractive if we elect to rely on these exemptions, or if taking advantage of some or all of the reduced regulatory and reporting requirements that will be available to us as long as we qualify as an "emerging growth company," our financial statements may not be comparable to those of companies that fully comply with regulatory and reporting requirements upon the public company effective dates.

#### We do not currently expect to pay any cash dividends.

We do not anticipate declaring or paying any cash dividends to holders of our Class A common stock in the foreseeable future. We currently intend to retain future earnings, if any, to finance our growth. Any determination to pay cash dividends in the future will be at the sole discretion of our Board, subject to limitations under applicable law and may be discontinued at any time. In addition, our ability to pay cash dividends is currently restricted by the terms of our 2019 Credit Agreement. Therefore, you are not likely to receive any dividends on your Class A common stock for the foreseeable future, and the success of an investment in our Class A common stock will depend upon any future appreciation in its value. Consequently, investors may need to sell all or part of their holdings of our Class A common stock after price appreciation, which may never occur, as the only way to realize any future gains on their investment. There is no guarantee that our Class A common stock will appreciate in value or even maintain the price at which our stockholders have purchased our Class A common stock. Investors seeking cash dividends should not purchase our Class A common stock.

In addition, our operations are currently conducted entirely through BV LLC and its subsidiaries and our ability to generate cash to meet our debt service obligations or to make future dividend payments, if any, is highly dependent on the earnings and the receipt of funds from BV LLC and its subsidiaries via dividends or intercompany loans.

# Our amended and restated certificate of incorporation, to the extent permitted by applicable law, contains provisions renouncing our interest and expectation to participate in certain corporate opportunities identified or presented to certain of our Original LLC Owners.

Certain of the Original LLC Owners are in the business of making or advising on investments in companies and these Original LLC owners may hold, and may, from time to time in the future, acquire interests in or provide advice to businesses that directly or indirectly compete with certain portions of our business or the business of our suppliers. Our amended and restated certificate of incorporation provides that, to the fullest extent permitted by law, none of the Original LLC Owners or any director who is not employed by us or his or her affiliates will have any duty to refrain from engaging in a corporate opportunity in the same or similar lines of business as us. The Original LLC Owners may also pursue acquisitions that may be complementary to our business, and, as a result, those acquisition opportunities may not be available to us. As a result, these arrangements could adversely affect our business, results of operations, financial condition or prospects if attractive business opportunities are allocated to any of the Original LLC Owners instead of to us.

# We may issue shares of preferred stock in the future, which could make it difficult for another company to acquire us or could otherwise adversely affect holders of our Class A common stock, which could depress the price of our Class A common stock.

Our amended and restated certificate of incorporation will authorize us to issue one or more series of preferred stock. Our Board will have the authority to determine the preferences, limitations and relative rights of the shares of preferred stock and to fix the number of shares constituting any series and the designation of such series, without any further vote or action by our stockholders. Our preferred stock could be issued with voting, liquidation, dividend and other rights superior to the rights of our Class A common stock. The potential issuance of preferred stock may delay or prevent a change in control of us, discourage bids for our Class A common stock at a premium to the market price, and materially and adversely affect the market price and the voting and other rights of the holders of our Class A common stock.

# Anti-takeover provisions in our governing documents and under Delaware law could make an acquisition of our company more difficult, limit attempts by our stockholders to replace or remove our current management, and depress the market price of our common stock.

Our amended and restated certificate of incorporation, amended and restated bylaws and Delaware law contain provisions that could have the effect of rendering more difficult, delaying or preventing an acquisition deemed undesirable by our Board and include the following provisions:

- authorizing the issuance of "blank check" preferred stock that could be issued by our Board to increase the number of outstanding shares and thwart a takeover attempt;
- establishing a classified Board so that not all members of our Board are elected at one time;
- the removal of directors only for cause;
- prohibiting the use of cumulative voting for the election of directors;
- limiting the ability of stockholders to call special meetings or amend our bylaws;
- requiring all stockholder actions to be taken at a meeting of our stockholders; and
- establishing advance notice and duration of ownership requirements for nominations for election to the Board or for proposing matters that can be acted upon by stockholders at stockholder meetings.

These provisions, alone or together, could delay or prevent hostile takeovers and changes in control or changes in our management. As a Delaware corporation, we are also subject to provisions of Delaware law, including Section 203 of the DGCL, which prevents interested stockholders, such as certain stockholders holding more than 15% of our outstanding common stock from engaging in certain business combinations unless (i) prior to the time such stockholder became an interested stockholder, the board approved the transaction that resulted in such stockholder becoming an interested stockholder owned 85% of the common stock or (iii) following board approval, the business combination receives the approval of the holders of at least two-thirds of our outstanding common stock not held by such interested stockholder. Because we have "opted out" of Section 203 of the DGCL in our amended and restated certificate of incorporation, the statute will not apply to business combinations involving us.

Any provision of our amended and restated certificate of incorporation, amended and restated bylaws or Delaware law that has the effect of delaying, preventing or deterring a change in control could limit the opportunity for our stockholders to receive a premium for their shares of our common stock and could also affect the price that some investors are willing to pay for our common stock.

# Our amended and restated certificate of incorporation provides that the Court of Chancery of the State of Delaware will be the sole and exclusive forum for substantially all disputes between us and our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers or employees.

Our amended and restated certificate of incorporation provides that, unless we consent to the selection of an alternative forum, the Court of Chancery of the State of Delaware is the sole and exclusive forum for: (a) any derivative action, suit or proceeding brought on our behalf; (b) any action, suit or proceeding asserting a claim of breach of fiduciary duty owed by any of our directors, officers or stockholders to us or to our stockholders; (c) any action, suit or proceeding arising pursuant to any provision of the DGCL, our amended and restated certificate of incorporation or amended bylaws (as either may be amended from time to time); or, (d) any action, suit or proceeding asserting a claim governed by the internal affairs doctrine; provided that the federal district courts of the United States of America shall be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act. The choice of forum provision may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or our directors, officers or other employees, which may discourage such lawsuits against us and our directors, officers and other employees. Alternatively, if a court were to find the choice of forum provision contained in our amended and restated certificate of incorporation to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, results of operations and financial condition.

#### Item 1B. Unresolved Staff Comments.

None.

#### Item 2. Properties.

Our principal executive offices are located on leased property in Durham, North Carolina. We also occupy leased office and manufacturing space in Cordova, Tennessee. In addition, our international operations occupy leased office spaces in Hoofddorp, Netherlands and Mississauga, Canada. We believe that our facilities are sufficient to meet our current needs and that suitable additional space will be available as and when needed on acceptable terms.

#### Item 3. Legal Proceedings.

We are not currently a party to any material legal proceedings. We may at times be involved in litigation and other legal claims in the ordinary course of business. When appropriate in our estimation, we may record reserves in our financial statements for pending litigation and other claims.

### Item 4. Mine Safety Disclosures.

Not applicable.



## PART II

### Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

### **Market Information**

On February 11, 2021, we closed an initial public offering (IPO) and Class A common stock began trading on the Nasdaq Global Select Market under the symbol "BVS". Prior to that time, there was no public market for our stock. There is no established public trading market for our Class B common stock.

# Holders

As of March 22, 2021, we had 12 holders of record of our Class A common stock. As of March 22, 2021, we had 1 holder of record of our Class B common stock.

### Dividends

We do not anticipate declaring or paying any cash dividends to holders of our Class A common stock in the foreseeable future. We currently intend to retain all available funds and any future earnings to finance the growth of our business. If we decide to pay cash dividends in the future, the declaration and payment of such dividends will be at the sole discretion of our board of directors (Board) and may be discontinued at any time. Holders of our Class B common stock are not entitled to participate in any dividends declared by our Board. In determining the amount of any future dividends, our Board will take into account any legal or contractual limitations, our actual and anticipated future earnings, cash flow, debt service and capital requirements and other factors that our Board may deem relevant.

In the event Bioventus Inc. declares any cash dividend, we intend to cause Bioventus LLC (BV LLC) to make distributions to Bioventus Inc., in an amount sufficient to cover such cash dividends declared by us. If BV LLC makes such distributions to Bioventus Inc., the Class B common stock owner will also be entitled to receive the respective equivalent pro rata distributions in accordance with the percentages of their respective LLC Interests.

In addition, the terms of our financing arrangements contain covenants that may restrict BV LLC and its subsidiaries from paying such distributions, subject to certain exceptions. Any financing arrangements that we enter into in the future may include restrictive covenants that limit our ability to pay dividends. In addition, BV LLC is generally prohibited under Delaware law from making a distribution to a member to the extent that, at the time of the distribution, after giving effect to the distribution, liabilities of BV LLC (with certain exceptions) exceed the fair value of its assets. Subsidiaries of BV LLC are generally subject to similar legal limitations on their ability to make distributions to BV LLC.

### **Use of Proceeds**

On February 10, 2021, our Registration Statement on Form S-1 (File No. 333-252238) was declared effective by the SEC for our IPO pursuant to which we registered and sold an aggregate of 9,200,000 shares of our Class A common stock (including 1,200,000 shares sold pursuant to the underwriters' over-allotment option) at a price of \$13.00 per share. Morgan Stanley & Co. LLC, J.P. Morgan Securities LLC and Goldman Sachs & Co. LLC acted as joint book-running managers in the offering. Canaccord Genuity Securities LLC acted as lead manager in the offering. The offering commenced on February 11, 2021 and did not terminate before all of the securities registered in the registration statement were sold. The offering closed on February 16, 2021, resulting in net proceeds of \$111.2 million after deducting underwriters' discounts and commissions of \$8.4 million. No payments were made by us to directors, officers, general partners or persons owning 10% or more of our common stock or to their associates, or to our affiliates.

We used the net proceeds to us from the IPO to purchase 9,200,000 newly-issued LLC Interests from BV LLC at a purchase price per interest equal to the IPO price per share of Class A common stock. As sole managing member of BV LLC, we caused BV LLC to use the proceeds it received as follows: (i) to pay fees and expenses of approximately \$3.8 million in connection with the IPO and the Transactions (ii) to satisfy the \$3.3 million cash entitlement of the Continuing LLC Owner in respect of the EPR Unit held by the Continuing LLC Owner, (iii) to pursue future potential acquisition opportunities and (iv) for general corporate purposes.

There has been no material change in the use of proceeds as described in the final prospectus filed on February 12, 2021.

# Item 6. [Reserved.]

# Item 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with Part I, Item 1A, Risk Factors and our consolidated financial statements and the related notes to those statements included elsewhere in this Annual Report on Form 10-K (Annual Report). In addition to historical consolidated financial information, the following discussion and analysis contains forward-looking statements that involve risks, uncertainties and assumptions. Some of the numbers included herein have been rounded for the convenience of presentation. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of many factors, including those discussed under Part 1, Item 1A. Risk Factors and elsewhere in this Annual Report. A discussion of the year ended December 31, 2019 compared to the year ended December 31, 2018 has been reported previously in our final prospectus filed with the SEC on February 12, 2021, under the heading "Management's Discussion and Analysis of Financial Condition and Results of Operations."

### **Executive summary**

We are a global medical device company focused on developing and commercializing clinically differentiated, cost efficient and minimally invasive treatments that engage and enhance the body's natural healing process. We operate our business through two reportable segments, U.S. and International, and our portfolio of products is grouped into the following three verticals:

- OA joint pain treatment and joint preservation products, which are HA viscosupplementation therapies approved by the FDA through a PMA;
- BGSs, which are human tissue allograft and synthetic products used primarily in spine surgery which have either (i) received 510(k) clearance, which
  is a premarket submission made to the FDA to demonstrate that the device to be marketed is at least as safe and effective, that is, substantially
  equivalent, to a legally marketed device, or (ii) are regulated solely as Section 361 HCT/Ps, which means they are human cells, tissues and cellular
  and tissue-based products that do not require a PMA in the United States; and
- minimally invasive fracture treatment, which is a FDA-approved Exogen system prescribed for long bone stimulation for fracture healing.

Our U.S. segment offers our full existing portfolio of products. This includes our OA joint pain treatment and joint preservation products, which address the entire market for HA viscosupplementation with offerings for single, three and five injection therapies: (i) Durolane, a single injection therapy, which we launched in the United States in the first half of 2018 and also market outside the United States in more than 30 countries; (ii) GELSYN-3, a three injection therapy, which we have marketed in the United States since the second half of 2016; and (iii) SUPARTZ FX, a five injection therapy, which we have marketed in the United States since May 2012. Our U.S. segment also offers our BGS products, which are targeted at improving bone fusion rates following spinal fusion and other orthopedic surgeries. These products include allograft-derived bone graft with growth factors (OsteoAMP), a DBM (Exponent), cancellous bone in different preparations (PureBone), bioactive synthetics (Signafuse and Interface), a collagen ceramic matrix (OsteoMatrix) and two bone marrow isolation systems (CellXtract and Extractor). Further, our U.S. segment offers our Exogen system, which we believe offers significant advantages over electrical based long bone stimulation systems, including documented mechanism of action, shorter treatment times and superior nonunion heal rates.

Our International segment offers Durolane, or single injection therapy, OsteoAMP, our allograft-derived bone graft with growth factors, and our Exogen system.

The following table sets forth total net sales, net income from continuing operations, Adjusted EBITDA and pro forma net income (loss) per unit attributable to common unit holders - basic and diluted:

	Years Ended December 31,				
	 2020		2019		
Net sales	\$ 321,161	\$	340,141		
Net income from continuing operations	\$ 14,722	\$	8,113		
Adjusted EBITDA <sup>(1)</sup>	\$ 72,443	\$	79,188		
Net income (loss) per unit attributable to common unit holders - basic and diluted <sup>(2)</sup>	\$ 0.89	\$	(0.13)		

- <sup>(1)</sup> See below under *Components of our results of operations-Adjusted EBITDA* for a definition of Adjusted EBITDA and *Results from continuing operations* for a reconciliation of net income from continuing operations to Adjusted EBITDA.
- <sup>(2)</sup> See below for a computation of pro forma net income per unit attributable to common unit holders basic and diluted after the recapitalization described below which was in conjunction with our IPO.



On February 16, 2021, our limited liability company agreement was amended and restated to, among other things, (i) provide for a new single class of common membership interests in the Company (LLC Interests) and (ii) exchange all of the existing membership interests for LLC Interests. For purposes of calculating pro forma earnings per unit, we have adjusted the number of outstanding membership units retroactively to give effect to the amendment and resulting recapitalization.

Pro forma basic net income per unit is computed by dividing net income by the pro forma weighted-average number of units outstanding during the period. Pro forma diluted net income per unit is computed by dividing net income by the pro forma weighted-average number of units outstanding adjusted to give effect to potentially dilutive securities. As a result of the recapitalization and the New LLC Owner assuming the obligations of the Company's Phantom Plan awards there are no dilutive securities.

The following table sets forth a reconciliation of the numerators and denominators used to compute pro forma basic and diluted net income per unit for the years ended December 31 as follows:

	2020	2019
Net income from continuing operations attributable to common unit holders	\$ 16,411	\$ 8,666
Loss from discontinued operations, net of tax		1,815
Net income attributable to common unit holders	\$ 16,411	\$ 6,851
Pro forma net income per unit attributable to common unit holders —basic and diluted	 	 
Pro forma net income from continuing operations	\$ 0.29	\$ 0.15
Pro forma loss from discontinued operations, net of tax		0.03
Pro forma net income attributable to common unit holders	\$ 0.29	\$ 0.12
Pro forma weighted average units used in computing basic and diluted net income per common unit	56,825,325	56,825,325

#### Strategic transactions

We have pursued and continue to pursue business development opportunities that leverage our significant customer presence across orthopedics, broaden our portfolio and increase our global footprint. Below is a summary of some of our recent transactions:

### Collaboration and development agreement for MOTYS

On May 29, 2019, we entered into a collaboration and development agreement (Development Agreement), with Musculoskeletal Transplant Foundation, Inc., or MTF, to develop an injectable placental tissue product, MOTYS, for use in the OA joint pain treatment. The development and commercialization of the product is anticipated to take place in two stages. In consideration for achieving its development milestones, we paid MTF \$1.5 million and are obligated to pay additional payments totaling \$0.8 million if certain further milestones are achieved. We began selling MOTYS in the fourth quarter of 2020, subject to the terms of an exclusive commercial supply agreement entered into with MTF on June 18, 2020.

# Development collaboration agreement for PROcuff

On August 23, 2019, we entered into an exclusive Collaboration Agreement with Harbor, to develop and license the rights to commercialize a woven-suturecollagen composite implant product. Concurrently with the execution of the agreement, we purchased \$1.0 million of shares of Harbor. As a result of Harbor's achievement of certain milestones, on October 5, 2020, we purchased \$1.0 million of additional shares of Harbor. Furthermore, we are obligated to make two additional one-time payments totaling \$6.0 million in aggregate upon Harbor's achievement of (i) receiving regulatory approval and (ii) achieving a certain net sales target. The sole use of proceeds from these investments is for the development of the implant product that is the subject of our agreement. We intend to negotiate and enter into a definitive supply agreement with Harbor if and when the product is cleared for marketing by the FDA at a price per unit not to exceed an agreed upon maximum.

### CartiHeal (developer of Agili-C) investment and option and equity purchase agreement

On July 15, 2020, we made a \$15.0 million equity investment in CartiHeal, a privately-held company headquartered in Israel and developer of the proprietary Agili-C implant for the treatment of joint surface lesions in traumatic and osteoarthritic joints. This investment follows the recently completed enrollment and outcome of interim analysis in CartiHeal's IDE multinational pivotal study for Agili-C. This new round of funding is expected to enable CartiHeal to complete all patient follow-up in the Agili-C study and submit an application for PMA to the FDA. Under the agreement, CartiHeal can secure an additional \$5.0

million equity investment from us, if needed, for IDE study completion. We previously made an initial \$2.5 million investment in CartiHeal in January 2018 and a subsequent investment of \$0.2 million in January 2020.

Contemporaneous with the July 2020 investment, we also entered into an Option and Equity Purchase Agreement with CartiHeal and its shareholders, which provides us with an exclusive option to acquire 100% of CartiHeal's shares under certain conditions, or the Call Option, and provides CartiHeal with a put option that would require us to purchase 100% of CartiHeal's shares under certain conditions, or the Put Option. The Call Option is exercisable by us at any time after the closing of the investment. The Put Option is only exercisable by CartiHeal upon pivotal clinical trial success, including achievement of certain secondary endpoints and FDA approval of the Agili-C device with a label consistent in all respects with pivotal clinical trial success. The pivotal clinical trial's objective is to demonstrate the superiority of the Agili-C implant over the surgical standard of care, including microfracture and debridement, for the treatment of cartilage or osteochondral defects, in both osteoarthritic knees and knees without degenerative changes. If not previously exercised, the Call Option and the Put Option and Put Option at any time ending 30 days after receipt from CartiHeal of the statistical report regarding the final results of the pivotal clinical trial upon payment of a break fee of \$30.0 million. Consideration for the acquisition of all of the shares of CartiHeal pursuant to the Call Option or Put Option would be \$350.0 million, all of which would be payable at closing, with an additional \$150.0 million payable upon achievement of certain sales milestones related to Agili-C. Such closing would be subject to customary closing conditions.

Certain of the foregoing transactions have had a significant impact on our financial results of operations for the periods in which they occurred, and they have affected the comparability of these statements for the corresponding comparative periods.

#### Outlook

We plan to continue to expand our business and to increase our net sales and profitability by executing on the following strategies:

- continue to expand market share in HA viscosupplementation;
- introduce new OA joint pain treatment and joint preservation products;
- further develop and commercialize our BGS portfolio;
- expand indications for use for our Exogen system;
- invest in research and development;
- pursue business development opportunities; and
- opportunistically grow our international markets.

We expect to face challenges as we execute on our business strategy. Our industry is highly competitive, subject to rapid change and significantly affected by market activities of industry participants, new product introductions and other technological advancements. We believe our experienced management team positions us for success in facing these and other challenges. However, there are several factors affecting our business that are beyond our control, such as our ability to successfully introduce new products and line extensions, expand labels, continue to obtain reimbursement for our products at acceptable rates and receive necessary governmental approvals. In addition, we expect that market demand, government regulation, third-party coverage and reimbursement policies and societal pressures will continue to change the healthcare industry worldwide, resulting in further business consolidations and alliances among our customers, which may exert further downward pressure on the prices of our products. For information about additional factors that may affect our outlook, see *Part I, Item 1A. Risk Factors* and "Special note regarding forward-looking statements" sections of this Annual Report.

## **COVID-19 Update and Outlook**

During 2020, the COVID-19 pandemic spread around the world and in the U.S. and, more recently, new variants of the virus have emerged, some of which have shown to be more contagious. The COVID-19 pandemic has had widespread, rapidly evolving and unpredictable impacts on global society, economies, financial markets and business practices. Federal and state governments responded by implementing a number of measures designed to prevent or minimize its spread and the ongoing effects of the pandemic, including stay-at-home or shelter-in-place orders, quarantines and closure of all non-essential businesses, social distancing, travel restrictions, border closures, and other measures, which have caused global business disruptions and significant volatility in U.S. and international debt and equity markets.

The COVID-19 pandemic has rapidly escalated in the United States, creating significant uncertainty and economic disruption, and leading to record levels of unemployment nationally. Due to the evolving nature of the COVID-19 crisis, we continue to monitor the situation closely and assess the impact on our business. In response to various governmental orders and public health advisories, we have implemented a number of measures to protect the health and safety of our workforce, conserve liquidity and position us to emerge from the current crisis in a healthy financial position. These measures include closing our offices and instituting work-from-home policies with the exception of essential personnel in March 2020. In addition, we temporarily imposed employee salary reductions for our U.S. employees for the month of June 2020 and suspended, until December 31, 2020, a portion of the employer contribution we make under our 401(k) plan. All temporary salary reductions have now been reversed and all salaries have been reinstated to pre-COVID-19 levels. To the extent permitted and in accordance with guidance from public health officials and government agencies, we have begun to reopen our locations and resume normal operations where appropriate. It is possible our operations will continue to be impacted in 2021, however, the magnitude and duration of the impact is impossible to predict due to:

- uncertainties regarding the duration of the COVID-19 pandemic and the length of time over which the disruptions caused by COVID-19 will continue;
- the impact of governmental orders and regulations that have been, and may in the future be, imposed in response to the pandemic;
- the impact of COVID-19 on our suppliers, manufacturers and other third parties on which we rely;
- the deterioration of economic conditions in the United States, as well as record high unemployment levels, which could have an adverse impact on discretionary consumer spending; and
- uncertainty regarding the potential for additional waves of the COVID-19 crisis to occur.

The COVID-19 pandemic began to have a material impact on our business during the second quarter of 2020. Since March 2020, various governmental orders and public health advisories, including "shelter-in-place" orders and quarantines, have reduced or prevented patient access to hospitals and physicians. As a result, the number of both elective and non-elective procedures have been reduced and our sales have decreased.

In addition, we could be further impacted if we begin to see delays in payments from customers, return to more stringent "shelter-in-place" orders or advisories, facility closures or other reasons related to the pandemic. Despite the COVID-19 pandemic, we had positive cash flows for the year ended December 31, 2020, due to a lack of significant delays in payments from customers, decreases in expenses correlating to a related decrease in sales, reduction in travel expenses and the institution of various cost cutting measures provided us with positive cash flow during the year ended December 31, 2020. However, the extent to which COVID-19 could materially impact our future liquidity is uncertain.

In April 2020, we received \$1.2 million in funds from the HHS as part of the CARES Act Provider Relief Fund. We determined we have complied with the CARES Act Provider Relief Fund conditions so that we may use the funds to reimburse for health care related expenses and lost revenues attributable to the public health emergency resulting from COVID-19. An additional \$2.9 million was received from the CARES Act Provider Relief Fund in July 2020. We have recognized these payments as other income within our consolidated statement of operations and comprehensive income (loss) for the year ended December 31, 2020.

Under the CARES Act, we have also taken advantage of the deferral of employer social security payroll tax payments. In April 2020, we began deferring all employer social security payroll tax payments for the remainder of the 2020 calendar year, with 50% of the taxes is deferred until December 31, 2021 and the remaining 50% deferred until December 31, 2022.

We are continuing to evaluate other aspects of the CARES Act, including the use of the employee retention tax credit. The employee retention tax credit provides an additional tax credit to employers that (i) have either fully or partially suspended operations because of government orders associated with COVID-19 or (ii) experience a substantial decline in income but continue to pay employees their wages.

## Components of our results of operations

#### Net sales

We generate net sales from a portfolio of active healing products that serve physicians spanning the orthopedic continuum, including sports medicine, total joint reconstruction, hand and upper extremities, foot and ankle, podiatric surgery, trauma, spine and neurosurgery. We report sales net of contractual allowances, rebates and returns.

We sell our OA joint pain treatment and joint preservation products and minimally invasive fracture treatment through our direct sales team, who manage and maintain the sales relationship with healthcare providers, distribution centers or specialty pharmacies. In certain international markets, we also sell to independent distributors on prearranged business terms, who manage or maintain the sales relationship with their physician customers. Refer to *Note 2. Summary of significant accounting policies* to our Notes to consolidated financial statements for further information We recognize revenue at the point in time when control is transferred to the customer, typically, in the case of our OA joint pain treatment and joint preservation products, when these products are shipped to the customer and, in the case of our Exogen system, when the patient has accepted the product.

Our BGSs are primarily sold in the U.S. market through independent distributors. We generally consign our BGS products to hospitals so our neurosurgeon and orthopedic spine surgeon customers can use them in procedures. We recognize revenue based upon consumption in a surgical procedure.

#### Cost of sales

Our cost of sales primarily consist of costs of products purchased from our third-party suppliers, direct labor and allocated overhead associated with the assembly of our Exogen system, excess and obsolete inventory charges, shipping, inspection and related costs incurred in making our products available for sale or use. In addition, cost of sales includes depreciation related to production as well as amortization of product-related intellectual property and distribution rights associated with commercialized products. Our OA joint pain treatment and joint preservation products and BGS products are manufactured by or obtained from third-party suppliers primarily located in Japan, Switzerland, Sweden and the United States. We receive the components for our Exogen system from suppliers and assemble each system in-house at our Cordova, Tennessee facility. In the future, we expect our cost of sales to increase due to increased sales volume.

#### Gross profit and gross margin

Gross profit consists of net sales less cost of sales. We calculate gross margin as gross profit divided by net sales. Our gross margin has been and will continue to be affected by a variety of factors, including costs of products purchased from our third-party suppliers, manufacturing costs, product mix and implementation over time of cost-reduction strategies. We expect net sales and product mix to vary quarter by quarter and therefore our gross profit will likely fluctuate from quarter to quarter.

#### Selling, general and administrative expense

Selling, general and administrative expense primarily consists of salaries, benefits and other related costs, including equity-based compensation, for personnel employed in sales, marketing, finance, legal, compliance, administrative, information technology, medical education and training, quality and human resource departments. Selling, general and administrative expense also includes third-party marketing, supply chain and distribution, product recall costs, information technology, legal, human resources, insurance and facilities expenses, selling, general and administrative expenses also include commissions, generally based on a percentage of sales, to our direct sales team and independent distributors. We expect our selling, general and administrative expenses will increase with the continued expansion of our sales organization and commercialization of our current and pipeline products. We plan to hire more personnel to support the growth of our business. In addition, as a public company, we will be implementing additional procedures and processes to address the standards and requirements applicable to public companies. We expect to incur additional annual selling, general and administrative expenses related to these additional procedures and processes including, among other things, equity-based compensation, increased liability insurance for our directors and officers, director fees, reporting requirements of the SEC, transfer agent fees, hiring additional accounting, legal and administrative personnel, increased auditing and legal fees and similar expenses. We also expect a change in the timing over which compensation expense is recognized as a result of the termination of the Phantom Plan and the receipt by participants of shares of Class A common stock upon settlement of their awards, which settlement is expected to take place twelve months after the date of such termination. However, over time, as we grow our net sales, we expect selling, general and administrative expenses to decline as a percentage o

#### Research and development expense

Research and development expense primarily consists of employee compensation, equity compensation and related expenses, as well as contract research organization service expenses related to clinical trials. We expense internal research and development costs as incurred and research and development costs incurred by third parties as they perform contracted work. Our research and development expenses may vary substantially from period to period based on the timing of research and development activities. We are focused on internal research and development to broaden our product portfolio across all verticals, expand our Exogen system product label and undertake clinical research to support commercialization of all of our products. As a result, we expect our research and development expenses to increase to the mid-single digits as a percentage of net sales as we introduce new products, extend existing product lines and expand indications. We see significant opportunity to develop innovative and clinically differentiated products in-house with our experienced research and development team. We are currently funding our B.O.N.E.S. clinical study, which began enrollment in 2018 and is aimed at broadening the label of our Exogen system to include a broader range of bones that may be treated as fresh fractures in predisposed patients at risk of nonunion. In addition, we are planning preclinical and animal model studies for MOTYS and PROcuff. Clinical and preclinical development timelines, the probability of success and development costs can differ materially from expectations.

#### **Restructuring costs**

Restructuring costs primarily consist of employee severance, legal, consulting and temporary labor expenses. During the periods presented, restructuring costs were associated with headcount reductions in our international business to improve operating efficiency. Key assumptions in determining the restructuring costs include headcount reductions, as well as terms and negotiated payments to terminate certain contractual obligations.

#### Depreciation and amortization

Depreciation expense primarily consists of depreciation of computer equipment and software as well as leasehold improvements, furniture, fixtures, machinery and equipment. Amortization expense primarily consists of amortization expense related to customer relationships and other intangible assets.

#### Interest expense

Interest expense primarily consists of interest on our indebtedness, which currently consists of our term loan and revolving credit facility, which was incurred pursuant to the 2019 Credit Agreement. We have entered into interest rate swaps to limit our exposure to changes in the variable interest rate on our term loan. Interest expense includes any fair value gain or losses on these swaps. Interest expense also includes the revaluation for the liability related to our Equity Participation Right, or EPR, Unit. The EPR Unit's entitlement is 0.55% of available distributions arising from a distribution event as defined in the Bioventus LLC Agreement and was settled in cash as part of our IPO.

#### Other (income) expense

Other (income) expense primarily consists of foreign currency transaction and remeasurement gains and losses on transactions denominated in currencies other than our functional currency. Our foreign currency transaction and remeasurement gains and losses are primarily related to foreign currency denominated cash, liabilities and intercompany receivables and payables. Other (income) expense may also include certain nonrecurring items.

#### Income tax expense

Bioventus LLC (BV LLC) is a partnership for U.S. federal tax purposes. Accordingly, the members include the profits and losses of BV LLC in their income tax returns. Certain wholly-owned subsidiaries of BV LLC are taxable entities for U.S. or foreign tax purposes and file tax returns in their local jurisdictions. Income tax expense includes U.S. federal and state and international income taxes, including certain taxes applicable to BV LLC and U.S. federal income taxes for one of our subsidiaries that is treated as a corporation for U.S. federal tax purposes. Certain income and expense items in income tax returns are not reported in the same year as financial statements. We report the income tax effects of these differences as deferred income taxes. Valuation allowances recognized reduce the related deferred tax assets to an amount which will, more likely than not, be realized. We recognize interest and penalties related to unrecognized tax benefits as a component of income tax expense.

Bioventus Inc. is subject to U.S. federal, state and local income taxes at the prevailing corporate tax rates with respect to our taxable income. In addition to tax expenses, we are obligated to make payments under the TRA, which could be significant. The TRA, obligates us to pay to the Continuing LLC Owner 85% of the amount of any realized tax benefits, (or in some circumstances are deemed to realize) resulting from (i) increases in the tax basis of assets of BV LLC as a result of (a) any future redemptions or exchanges of LLC Interests described under *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*—Bioventus LLC Agreement—LLC Interest Redemption Right, and (b) certain distributions (or deemed distributions) by BV LLC and (ii) certain other tax benefits arising from our making payments under the TRA. For more information, see *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*—Tax Receivable Agreement.

## Non-GAAP Financial Measures - Adjusted EBITDA

We present Adjusted EBITDA, a non-GAAP financial measure because we believe it is a useful indicator of our operating performance. Our management uses Adjusted EBITDA principally as a measure of our operating performance and believes that Adjusted EBITDA is useful to our investors because it is frequently used by securities analysts, investors and other interested parties frequently use it in their evaluation of the operating performance of companies in industries similar to ours. Our management also uses Adjusted EBITDA for planning purposes, including the preparation of our annual operating budget and financial projections. We define Adjusted EBITDA as net income (loss) from continuing operations before depreciation and amortization, provision of income taxes and interest expense, adjusted for the impact of certain cash, non-cash and other items that we do not consider in our evaluation of ongoing operating performance. These items include equity compensation, change in fair value of contingent consideration, COVID-19 benefits, succession and transition charges, loss on impairment of intangible assets, losses associated with debt refinancing, restructuring costs, foreign currency impact and other non-recurring costs. Adjusted EBITDA by segment is comprised of net sales and costs directly attributable to a segment, as well as an allocation of corporate overhead costs. The allocation of corporate overhead costs is determined based on various methods but is primarily based on a ratio of net sales by segment to total consolidated net sales. See table within Results from continuing operations for a reconciliation of net income from continuing operations to Adjusted EBITDA.

#### **Interim Periods**

The Company reports quarterly interim periods on a 13-week basis within a standard calendar year. Each annual reporting period begins on January 1 and ends on December 31. Each quarter ends on the Saturday closest to calendar quarter-end, with the exception of the fourth quarter, which ends on December 31. The 13-week quarterly periods ended on March 28, June 27 and September 26 for the year ended December 31, 2020. As a result, the fourth and first quarters may vary in length depending on the calendar year.

#### **Results of Operations**

The following table sets forth components of our condensed consolidated statements of operations from continuing operations as a percentage of net sales for the periods presented:

	Years Ended Dece	mber 31,
	2020	2019
Net sales	100.0 %	100.0 %
Cost of sales (including depreciation and amortization)	27.3 %	26.7 %
Gross profit	72.7 %	73.3 %
Selling, general and administrative expense	60.1 %	58.3 %
Research and development expense	3.5 %	3.3 %
Restructuring costs	0.2 %	0.2 %
Depreciation and amortization	2.3 %	2.3 %
Operating income	6.6 %	9.2 %

The following table presents a reconciliation of net income from continuing operations to Adjusted EBITDA for the periods presented:

	Years Ended	Decemb	er 31,
(in thousands)	2020		2019
Net income from continuing operations	\$ 14,722	\$	8,113
Depreciation and amortization <sup>(a)</sup>	28,643		30,316
Income tax expense	1,192		1,576
Interest expense	9,751		21,579
Equity compensation <sup>(b)</sup>	10,103		10,844
COVID-19 benefits, net <sup>(c)</sup>	(4,123)		
Succession and transition charges <sup>(d)</sup>	5,609		
Restructuring costs <sup>(e)</sup>	563		575
Foreign currency impact <sup>(f)</sup>	(117)		8
Equity loss in unconsolidated investments <sup>(g)</sup>	467		_
Other non-recurring costs <sup>(h)</sup>	5,633		6,177
Adjusted EBITDA	\$ 72,443	\$	79,188

<sup>(a)</sup> Includes for the years ended December 31, 2020 and 2019 depreciation and amortization of \$21.2 million and \$22.4 million in cost of sales and also includes \$7.4 million and \$7.9 million, respectively, presented in the consolidated statements of operations and comprehensive income (loss), with the balance in research and development.

<sup>(b)</sup> Represents compensation as well as the change in fair market value resulting from two equity-based compensation plans, the MIP and the Phantom Plan.

- Represents income resulting from the CARES Act offset by additional cleaning and disinfecting expenses and contract termination fees for canceled events.
   Primarily represents costs related to the CEO transition.
- (e) Represents costs related to a shift from direct to an indirect distribution model in our International business to improve performance. Various international subsidiaries were dissolved and or merged into other BV LLC entities.
- <sup>(f)</sup> Foreign currency impact represents realized and unrealized gains and losses from fluctuations in foreign currency and is included within other (income) loss in the consolidated statements of operations and comprehensive income (loss).
- <sup>(g)</sup> Represents our share in the losses of CartiHeal for the year ended December 31, 2020.
- (h) Other non-recurring items in 2020 includes settlement and legal costs of \$1.9 million with the OIG. The remaining activities in 2020 and the balance in 2019 are primarily comprised of charges associated with potential strategic transactions, such as potential acquisitions and preparing to become a public company, primarily accounting and legal fees.

# Net sales

	Years Ended December 31,				 Change		
(in thousands, except for percentage)		2020		2019	 \$	%	
U.S.	\$	293,697	\$	305,072	\$ (11,375)	(3.7 %)	
International		27,464		35,069	(7,605)	(21.7 %)	
Net Sales	\$	321,161	\$	340,141	\$ (18,980)	(5.6 %)	

U.S.

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Net sales decreased \$11.4 million, or 3.7%, for year ended December 31, 2020, compared to the year ended December 31, 2019. The changes in net sales by vertical are as follows:

- Minimally invasive fracture treatment
- OA joint pain treatment and joint restoration
- Bone graft substitutes

(\$11.5) million (\$6.3) million \$6.4 million

Minimally invasive fracture treatment decreased primarily due to sales volume declines resulting from the disruption caused by the COVID-19 pandemic. OA joint pain and joint preservation decreased primarily due to the COVID-19 pandemic as well as more treatments being sold under contracts with major insurers at lower prices, partially offset by sales volume growth. These decreases were also offset by sales volume growth within our BGS vertical.

#### International

Net sales decreased \$7.6 million, or 21.7%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to a decline in order volumes due to the disruption caused by the COVID-19 pandemic.

# Gross profit and gross margin

	Years Ended December 31,				Change	2
(in thousands, except for percentage)	 2020		2019		\$	%
Gross profit						
U.S.	\$ 214,572	\$	224,957	\$	(10,385)	(4.6 %)
International	18,947		24,249		(5,302)	(21.9 %)
Total	\$ 233,519	\$	249,206	\$	(15,687)	(6.3%)

	Years Ended D	Years Ended December 31,		
	2020	2020 2019		
Gross margin				
U.S.	73.1 %	73.7 %	(0.6 %)	
International	69.0 %	69.1 %	(0.1 %)	
Consolidated	72.7 %	73.3 %	(0.6 %)	

U.S.

Gross profit decreased \$10.4 million, or 4.6%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to the decline in net sales above described. Manufacturing variances created by maintaining consistent production levels in a period of low demand coupled with idle time attributed to the COVID-19 pandemic caused a slight decrease of 0.6% in gross margin during 2020.

#### International

Gross profit decreased \$5.3 million, or 21.9%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to the decrease in sales from the disruption caused by COVID-19 pandemic.

#### Selling, general and administrative expense

	 Years Ended	December 31,	Change		
(in thousands, except for percentage)	2020	2019	\$	%	
Selling, general and administrative expense	\$ 193,078	\$ 198,475	\$ (5,397)	(2.7 %)	

Selling, general and administrative expense declined \$5.4 million, or 2.7%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to:

•	COVID-19 related decreases, including declines in travel and meetings from doing business virtually, lower compensation related expenses as well as various cost-reduction initiatives	\$9.3 million
•	Lower legal and accounting expenses, which were higher in 2019 due to the OIG matter discussed in <i>Note 12</i> . <i>Commitment and contingencies</i> within <i>Part II</i> , <i>Item 8</i> . <i>Financial Statements and Supplementary data</i>	\$5.8 million
These items	were partially offset by the following increases:	

#### **Research and development expense**

	Years Ended December 31,				Change		
(in thousands, except for percentage)	2020 2019			\$	%		
Research and development expense	\$	11,202	\$ 11,0	055 5	\$ 147	1.3 %	

Research and development expense increased \$0.1 million, or 1.3%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to costs relating to the development agreement for MOTYS being almost entirely offset by cost reduction initiatives undertaken as a result of the COVID-19 pandemic.

## Depreciation and amortization

	Years	Ended Dec	cember 31,	Change			
(in thousands, except for percentage)	2020	2019		\$	%		
Depreciation and amortization	\$	7,439 \$	7,908	\$ (469)	(5.9)%		

Depreciation and amortization during the year ended December 31, 2020 remained consistent with the year ended December 31, 2019, as it slightly decreased \$0.5 million, or 5.9%.

#### Other expense (income)

	Years Ended December 31,				Change			
(in thousands, except for percentage)	2020		2019		\$		%	
Interest expense	\$	9,751	\$	21,579	\$	(11,828)	(54.8 %)	
Other (income) loss	\$	(4,428)	\$	(75)	\$	(4,353)	NM	

Interest expense decreased \$11.8 million, or 54.8%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to decreased debt interest resulting from refinancing our debt in December 2019 as well as the decline in interest rates. This decrease was partially offset with an increase of \$1.6 million primarily resulting from the decline in value of our interest rate swap.

Other income during year ended December 31, 2020 was primarily the result of receiving Provider Relief Fund payments of approximately \$4.1 million in the aggregate pursuant to the CARES Act.

#### Income tax expense

	Years Ended December 31,				Change		
(in thousands, except for percentage)	 2020		2019		\$	%	
Income tax expense	\$ 1,192	\$	1,576	\$	(384)	(24.4 %)	
Effective tax rate	7.5 %	)	16.3 %	,		(8.8 %)	

Income tax expense decreased \$0.4 million, or 24.4%, for the year ended December 31, 2020, compared to the year ended December 31, 2019, primarily due to the change in income from continuing operations before income taxes. Our change in effective tax rate is the result of BV LLC's pass-through structure for U.S. income tax purposes, while being treated as taxable in certain states and various foreign jurisdictions as well as for certain subsidiaries.

#### Segment Adjusted EBITDA

Adjusted EBITDA for each of our reportable segments is as follows:

	Years Ended December 31,			Change		
(in thousands, except for percentage)	2020		2019		\$	%
U.S.	\$ 69,252	\$	71,673	\$	(2,421)	(3.4 %)
International	\$ 3,191	\$	7,515	\$	(4,324)	(57.5 %)

U.S.

Adjusted EBITDA decreased \$2.4 million, or 3.4%, during the comparable time periods. The decline was the result of decreased gross profit, excluding depreciation and amortization in cost of sales, due to the decrease in sales primarily resulting from the economic impact of COVID-19, which also led to lower expenses resulting from doing business virtually, lower compensation related expenses, as well as various other cost-reduction initiatives.

#### International

Adjusted EBITDA decreased \$4.3 million, or 57.5%, during the comparable time periods. The decline was the result of decreased gross profit, excluding depreciation and amortization in cost of sales, resulting from the decrease in sales primarily due to the economic impact of COVID-19, which was partially offset by lower expenses resulting from doing business virtually, reduced compensation related expenses and various other cost-reduction initiatives.

#### Liquidity and Capital Resources

# Overview

Our principal liquidity needs have historically been for acquisitions, working capital, research and development, clinical trials, and capital expenditures. We expect these needs to continue as we develop and commercialize new products and further our expansion into international markets. We believe that our existing cash and cash equivalents, borrowing capacity under our revolving credit facility, cash flow from operations, and net proceeds from our IPO will be enough to meet our anticipated cash requirements for at least the next twelve months. We may require additional liquidity as we continue to execute our business strategy. Negative impacts to our liquidity would include a decline in sales of our products, including declines due to changes in our customers' ability to obtain third-party coverage and reimbursement for procedures that utilize our products, increased pricing pressures resulting from intensifying competition and cost increases, as well as general economic and industry factors. We anticipate that to the extent that we require additional liquidity, we will obtain funding through the incurrence of other indebtedness, additional equity financings or corporate collaboration and licensing arrangements. If we raise additional funds by issuing equity securities or convertible debt, our stockholders will experience dilution. Debt financing, if available, would result in increased fixed payment obligations and may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, or making capital expenditures. If we raise additional funds through collaboration and licensing arrangements with third parties, it may be necessary to relinquish valuable rights to our products, future revenue streams or product candidates, or to grant licenses on terms that may not be favorable to us. The covenants under our credit agreement limit our ability to obtain third parties, it may be necessary to relinquish valuable rights to our products, fut

#### **Initial public offering**

On February 16, 2021, in connection with our IPO, we issued and sold 9,200,000 shares of our Class A common stock at a price to the public of \$13.00 per share, resulting in gross proceeds to us of approximately \$119.6 million, before deducting the underwriting discount, commissions and estimated offering expenses payable by us.

We are a holding company and have no material assets other than its ownership of LLC Interests and no independent means of generating revenue. The limited liability company agreement of BV LLC provides for the payment of certain distributions to the Continuing LLC Owner and us in amounts sufficient to cover the income taxes imposed on such members with respect to the allocation of taxable income from BV LLC as well as to cover our obligations under the Tax Receivable Agreement (TRA). Additionally, in the event we declare any cash dividend, we intend to cause BV LLC to make distributions to us, in an amount sufficient to cover such cash dividends declared by us. Deterioration in the financial condition, earnings, or cash flow of BV LLC and its subsidiaries for any reason could limit or impair their ability to pay such distributions. In addition, the terms of our financing arrangements, including the 2019 Credit Agreement, contain covenants that may restrict BV LLC and its subsidiaries from paying such distributions, subject to certain exceptions. Further, BV LLC is generally prohibited under Delaware law from making a distribution to a member to the extent that, at the time of the distribution, after giving effect to the distribution, liabilities of BV LLC (with certain exceptions), as applicable, exceed the fair value of its assets. Subsidiaries of BV LLC are generally subject to similar legal limitations on their ability to make distributions to BV LLC. If we do not have sufficient funds to pay taxes or other liabilities or to fund our operations, we may have to borrow funds, which could materially adversely affect our liquidity and financial condition and subject us to various restrictions imposed by any such lenders. To the extent that we are unable to make payments under the TRA for any reason, such payments generally will be deferred and will accrue interest until paid; provided, however, that nonpayment for a specified period may constitute a material breach of a material obligation under the TRA and ther

In addition, under the TRA, we are required to make cash payments to the Continuing LLC Owner equal to 85% of the tax benefits, if any, that we actually realize (or in certain circumstances are deemed to realize), as a result of (1) increases in the tax basis of assets of BV LLC resulting from (a) any future redemptions or exchanges of LLC Interests described under *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*—Bioventus LLC Agreement-LLC Interest Redemption Right, and (b) certain distributions (or deemed distributions) by BV LLC and (2) certain other tax benefits arising from payments under the TRA. We expect the amount of the cash payments required to be made under the TRA will be significant. The actual amount and timing of any payments under the TRA will vary depending upon a number of factors, including the timing of redemptions or exchanges by the Continuing LLC Owner, the amount of gain recognized by the Continuing LLC Owner, the amount and timing of the taxable income we generate in the future, and the federal tax rates then applicable. Any payments made by us to the Continuing LLC Owner under the TRA will generally reduce the amount of overall cash flow that might have otherwise been available to us.

Cash and cash equivalents, as of December 31, 2020, totaled \$86.8 million compared to \$64.5 million at December 31, 2019. Changes in cash are as follows:

	Years Ended	Decem	ber 31,	Change	
(in thousands, except for percentage)	 2020		2019	 \$	%
Consolidated statement of cash flow data:					
Net cash provided by (used in):					
Operating activities from continuing operations	\$ 72,199	\$	42,545	\$ 29,654	69.7 %
Investing activities from continuing operations	(20,672)		(7,912)	(12,760)	161.3 %
Financing activities	(29,569)		(10,951)	(18,618)	170.0 %
Discontinued operations	(228)		(1,832)	1,604	(87.6)%
Effect of exchange rate changes on cash and cash equivalents	589		(104)	693	NM
Net change in cash and cash equivalents	\$ 22,319	\$	21,746	\$ 573	

#### **Operating Activities**

Cash flows from operating activities from continuing operations increased \$29.7 million during the year ended December 31, 2020 compared to year ended December 31, 2019 due to collections on accounts receivables staying strong while selling, general and administrative expenses declined, partially offset by the timing of rebate payments. We experienced lower travel expense payments resulting from the near halting of all travel due to the COVID-19 pandemic, a reduction in compensation related expenses due to the decline in sales and increased cash savings from cost cutting measures. We also received stimulus payments from government entities while we purchased less inventory due to the decline in sales. In addition, our interest expense was significantly lower during the year ended December 31, 2020 due to the December 2019 refinancing.

### **Investing Activities**

Cash flows used in investing activities increased \$12.8 million during the year ended December 31, 2020 compared to year ended December 31, 2019 primarily due to \$16.6 million in payments for the 2020 CartiHeal investments and an increase of \$1.8 million in capital expenditures due to software and technology upgrades. These investing cash outflows were partially offset by the absence of payments for distribution rights in 2020 compared to \$6.0 million for the purchases of distribution rights during 2019.

# **Financing Activities**

Cash flows used in financing activities increased \$18.6 million during the year ended December 31, 2020 compared to the year ended December 31, 2019 primarily due to a \$10.7 million increase in distribution to members as well as the \$6.1 million increase in debt payments.

## Other

For information regarding Commitments and Contingencies, refer to *Note 12*. *Commitment and contingencies* in *Part II, Item 8*. *Financial Statements and Supplementary Data* in this Annual Report for further information regarding other matters.

#### Indebtedness

On December 6, 2019, we entered into the 2019 Credit Agreement. The 2019 Credit Agreement is comprised of our \$200.0 million term loan and our \$50.0 million revolving credit facility. All obligations under the 2019 Credit Agreement are guaranteed by certain of our wholly owned domestic subsidiaries and secured by substantially all our and the guarantors' assets. The term loan and revolving credit facility mature on December 6, 2024. The 2019 Credit Agreement contains various restrictive covenants, including a quarterly covenant not to exceed a consolidated leverage ratio of 3.50 to 1.00 and an interest coverage ratio of 3.00:1.00 for the prior four consecutive quarters. The leverage and interest coverage ratios are based on Consolidated EBITDA as defined in the 2019 Credit Agreement, which includes several differences from Adjusted EBITDA as calculated in this Annual Report. Consolidated EBITDA as defined in the 2019 Credit Agreement permits, among other things, the exclusion of (1) certain extraordinary, unusual and/or non-recurring expenses, some of which are subject to an aggregate cap, including but not limited to severance, acquisitions, dispositions, debt refinancing/amendment and IPO-related, (2) foreign currency gains/losses recognized in the statement of operations and (3) franchise, excise and property taxes recognized in the statement of operations. The restrictive covenants include limitations on (1) the declaration or payment of certain distributions on or in respect of our equity interests, (2) restrictions on acquisitions, investments and certain other payments, (3) limitations on the incurrence of new indebtedness, (4) limitations on transfers, sales and other dispositions and (5) limitations on making changes to our business and organizational documents. As of December 31, 2020, we complied with all covenants under the 2019 Credit Agreement and there was \$190.0 million of outstanding borrowings under the term loan. We have one nominal outstanding letter of credit. In March 2020, as a precautionary measure and in order to increase our cash position and preserve financial flexibility in view of the uncertainty resulting from the COVID-19 pandemic, we drew down \$49.0 million on our revolving credit facility. On September 24, 2020, we repaid all borrowings outstanding under our revolving credit facility. Our revolving credit facility had \$50.0 million in borrowing capacity as of December 31, 2020.

#### Off-balance sheet arrangements

We do not have any off-balance sheet arrangements.

### **Contractual Obligations**

Our contractual obligations as of December 31, 2020 were as follows:

	Payments Due by Period									
Contractual Obligations (in thousands)		Less than 1 year		1-3 Years		3-5 Years		More than 5 years		Total
	¢	15,000	¢		¢	140,000	¢	, ,	¢	
Long-term debt obligations	Э	15,000	Ф	35,000	\$	140,000	Э	—	Э	190,000
Interest on long-term debt obligations		4,606		8,073		3,139		—		15,818
Operating lease obligations		1,960		3,955		4,232		5,921		16,068
Purchase obligations		19,655		25,920		25,920		—		71,495
	\$	41,221	\$	72,948	\$	173,291	\$	5,921	\$	293,381

The table above does not include certain obligations as follows:

- commitments under our multi-year exclusive supply agreements for our OA products except for those amounts that are contractually committed as of December 31, 2020. Our purchase obligations under these supply agreements are generally based upon our forecasted requirements, subject in some cases to a contractual minimum per annum;
- commitments under the Development Agreement with MTF, the Option and Equity Purchase Agreement with CartiHeal and its shareholders and the Collaboration Agreement with Harbor, for which the relevant contingent events requiring a payment under the respective agreements have not yet occurred; and
- future milestone payments pursuant to the Development Agreement with MTF, the Option and Equity Purchase Agreement with CartiHeal and its shareholders, the Collaboration Agreement with Harbor and the amended and restated license agreement, or the Q-Med License Agreement, with Q-Med and NSH, as the payment obligations under these agreements are contingent upon future events and we are unable to estimate the timing or likelihood of achieving these milestones or generating future product sales.

### **Recent accounting pronouncements**

Refer to Note 2. Summary of significant accounting policies in Part II, Item 8. Financial Statements and Supplementary Data for further information regarding recently adopted and proposed accounting pronouncements.



#### Internal control over financial reporting

Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with GAAP.

Presently, as a newly public company, our management is not required to perform an annual assessment of the effectiveness of our internal control over financial reporting. This requirement will first apply to our second Annual Report on Form 10-K. Our independent public registered accounting firm will first be required to attest to the effectiveness of our internal control over financial reporting for our Annual Report on Form 10-K for the first year we are no longer either an "emerging growth company" or a "non-accelerated filer," as such terms are defined by Rule 12b-2 of the Exchange Act.

#### Critical accounting policies and estimates

The preparation of the consolidated financial statements requires us to make assumptions, estimates and judgments that affect the reported amounts of assets and liabilities, the disclosures of contingent assets and liabilities as of the date of the consolidated financial statements, and the reported amounts of sales and expenses during the reporting periods. Certain of our more critical accounting policies require the application of significant judgment by management in selecting the appropriate assumptions for calculating financial estimates. By their nature, these judgments are subject to an inherent degree of uncertainty. On an ongoing basis, we evaluate our judgments, including those related to inventories, recoverability of long-lived assets and the fair value of our common stock. We use historical experience and other assumptions as the basis for our judgments in making these estimates. Because future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Any changes in these estimates will be reflected in our consolidated financial statements as they occur. Refer to *Note 1. Organization and basis of presentation of financial information* in *Part II, Item 8. Financial Statements and Supplementary Data* for a further description of our significant accounting policies, however, we believe that the following accounting policies and estimates that are considered critical to our business in order to obtain a full understanding and to evaluate our reported financial results. The critical accounting policies addressed below reflect our most significant judgments and estimates used in the preparation of our consolidated financial statements.

#### **Revenue recognition**

#### Sale of products

We derive revenue primarily from the sale of our OA joint pain treatment and joint preservation products, BGSs and minimally invasive fracture treatment. We sell these products directly to healthcare institutions, patients, distributors and dealers. We also enter into arrangements with pharmacy and health benefit managers that provide for privately negotiated rebates, chargebacks and discounts with respect to the purchase of our products. We recognize revenue at a point in time upon transfer of control of the promised product to customers in an amount that reflects the consideration we expect to receive in exchange for those products. We exclude from revenues taxes collected from customers and remitted to governmental authorities.

Revenues are recorded at the transaction price, which is determined as the contracted price net of estimates of variable consideration resulting from discounts, rebates, returns, chargebacks, contractual allowances, estimated third-party payer settlements and certain distribution and administration fees offered in our customer contracts and other indirect customer contracts relating to the sale of our products. We establish reserves for the estimated variable consideration based on the amounts earned or eligible for claim on the related sales. Where appropriate, these estimates take into consideration a range of possible outcomes, which are probability-weighted for relevant factors such as our historical experience, current contractual requirements, specific known market events and trends, industry data and forecasted customer buying and payment patterns. The amount of variable consideration is included in the transaction price only to the extent that it is probable that a significant reversal in the amount of the cumulative revenue recognized will not occur in a future period. We regularly review all reserves and update them at the end of each reporting period as needed. There were no adjustments arising from the change in estimates of variable consideration for the years ended December 31, 2020 and 2019.

#### OA joint pain treatment and joint preservation

Revenue from customers such as healthcare providers, distribution centers or specialty pharmacies is recognized at the point in time when control is transferred to the customer, typically upon shipment.

## **Distributor chargebacks**

We have preexisting contracts with established rates with many of the distributors' customers that require the distributors to sell our product at their established rate. We offer chargebacks to distributors who supply these customers with our products. We reduce revenue at the time of sale for the estimated future chargebacks. We record chargeback reserves as a reduction of accounts receivable and base the reserves on the expected value by using probability-weighted estimates of volume of purchases, inventory holdings and historical chargebacks requested for each distributor.

# **Discounts and rebates**

We offer retrospective discounts and rebates linked to the volume of purchases which may increase at negotiated thresholds within a contract-buying period. We reduce revenue and record the reserve as a reduction to accounts receivable for the estimated discount and rebate at the most likely amount the customer will earn, based on historical buying trends and forecasted purchases.

#### Bone graft substitutes

The majority of our BGS product sales are through consignment inventory with hospitals, where ownership remains with us until the hospital performs a surgery and consumes the consigned inventory. We recognize the revenue when the surgery has been performed. The customer does not have control of the product until the customer consumes it, as we are able to require the return or transfer of the product to a third-party. An unconditional obligation to pay for the product does not exist until the customer consumes it.

#### Minimally invasive fracture treatment

We recognize revenue from third-party payers, such as governmental agencies, insurance companies or managed care providers, when we transfer control of the Exogen system to the patient, typically when the patient has accepted the product or upon delivery. We record this revenue at the contracted rate, net of contractual allowances at the time of sale, or an estimated price based on historical data and other available information for non-contracted payers. We record contractual allowances based on probability weighting historical data and collections. We recognize revenue from patients (self-pay and insured patients with coinsurance and deductible responsibilities) based on billed amounts giving effect to any discounts and implicit price concessions. Implicit price concessions represent differences between amounts billed and the amounts we expect to collect from patients, which considers historical collection experience and current market conditions.

Settlements with third-party payers for retroactive revenue adjustments due to audits, reviews or investigations are considered variable consideration and are included in the determination of the estimated transaction price using the most likely outcome method. These settlements are estimated based on the terms of the payment agreement with the payer, correspondence from the payer and historical settlement activity, including an assessment to ensure that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the retroactive adjustment is subsequently resolved. Estimated settlements are adjusted in future periods as adjustments become known (that is, new information becomes available), or as years are settled or are no longer subject to such audits, reviews and investigations. We are not aware of any claims, disputes or unsettled matters with any payer that would materially affect revenues for which we have not been adequately provided.

#### **Product returns**

We estimate the amount of returns and reduce revenue in the period the related product revenue is recognized. We record a liability for expected returns based on probability weighted historical data.

# Accounts receivable, net

Accounts receivable, net are amounts billed and currently due from customers. We record the amounts due net of allowance for doubtful accounts. We maintain allowances for credit losses to provide for receivables we do not expect to collect. We base the allowance on an assessment of customer creditworthiness, historical payment experience, the age of outstanding receivables and other information as applicable. Collection of the consideration that we expect to receive typically occurs within 30 to 90 days of billing. We apply the practical expedient for contracts with payment terms of one year or less which does not consider the effects of the time value of money. Occasionally, we enter into payment agreements with patients that allow payment terms beyond one year. In those cases, the financing component is not deemed significant to the contract.

#### Contract assets

Contract assets consist of unbilled amounts resulting from estimated future royalties from an international distributor that exceeds the amount billed. Contract assets are included in prepaid and other current assets on the consolidated balance sheets.

#### **Contract liabilities**

Contract liabilities consist of customer advance payments or deposits and deferred revenue. Occasionally for certain international customers, we require payments in advance of shipping product and recognizing revenue resulting in contract liabilities. Contract liabilities are included in accrued liabilities on the consolidated balance sheets.

#### Shipping and handling

We classify amounts billed for shipping and handling as a component of net sales. The related shipping and handling fees and costs as well as other distribution costs are included in cost of sales. We have elected to recognize shipping and handling activities that occur after control of the related product transfers to the customer as fulfillment costs and are included in cost of sales.

#### **Contract costs**

We apply the practical expedient of recognizing the incremental costs of obtaining contracts as an expense when incurred as the amortization period of the assets that we otherwise would have recognized is one year or less. These incremental costs include our sales incentive programs for the internal sales force and third-party sales agents as the compensation is commensurate with annual sales activities. These costs are included in selling, general and administrative expense on the consolidated statements of operations and comprehensive income (loss).

#### Use of estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, at the date of the financial statements, as well as the reported amounts of revenues and expenses during the period. On an ongoing basis, management evaluates these estimates, including those related to contractual allowances and sales incentives, allowances for doubtful accounts, inventory reserves, goodwill and intangible assets impairment, useful lives of long lived assets, noncontrolling interest, fair value measurements, litigation and contingent liabilities, income taxes, and equity-based compensation. Management bases its estimates on historical experience, future expectations and other relevant assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from those estimates.

#### Fair value

We record certain assets and liabilities at fair value. Fair value is defined as the price that would be received from selling an asset or paid to transfer a liability in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants at the measurement date. A three-level fair value hierarchy that prioritizes the inputs used to measure fair value is described below. This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. Assets and liabilities are categorized based on the lowest level that is significant to the valuation.

The three levels of inputs used to measure fair value are as follows:

Level 1—Quoted prices in active markets for identical assets or liabilities;

Level 2—Observable inputs other than quoted prices included within Level 1, such as quoted prices for similar assets and liabilities in active markets; quoted prices for identical or similar assets and liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data; and

Level 3—Unobservable inputs that are supported by little or no market data. This includes certain pricing models, discounted cash flow methodologies and similar techniques that use significant unobservable inputs.

#### **Business combinations**

We record identifiable assets acquired, liabilities assumed and any noncontrolling interest in an acquiree resulting from a business combination at their estimated fair values on the date of the acquisition. We generally have third-party valuations completed for intangible assets in a business combination using a discounted cash flow analysis, incorporating various assumptions. Goodwill represents the excess of the purchase price over the estimated fair value of the net assets acquired, including the amount assigned to identifiable intangible assets. The most significant estimates and assumptions inherent in a discounted cash flow analysis include the amount and timing of projected future cash flows, discount rate used to measure the risks inherent in the future cash flows, assessment of the asset's life cycle, and competitive and other trends impacting the asset, including consideration of technical, legal, regulatory, economic and other factors. Each of these factors and assumptions can significantly affect the value of the intangible asset.

Acquired in-process research and development, or IPR&D, is the fair value of projects for which the related products have not received regulatory approval and have no alternative future use and is capitalized as an indefinite-lived intangible asset. Due to inherent uncertainty related to research and development, actual results could differ materially from the assumptions used in the discounted cash flow model. Additionally, there are risks including, but not limited to, delay or failure to receive regulatory requirements to conduct clinical trials, required market clearances, or patent issuance, and that the research and development project does not result in a successful commercial product. Development costs incurred after the acquisition are expensed as incurred. Upon receipt of regulatory approval of the related technology or product, the indefinite-lived intangible asset is accounted for as a finite-lived intangible asset and amortized on a straight-line basis over its estimated useful life. If the research and development project is abandoned, the indefinite-lived asset is charged to expense.

We recognize contingent consideration liabilities resulting from business combinations at estimated fair value on the acquisition date. Contingent consideration liabilities are revalued subsequent to the acquisition date with changes in fair value recognized in earnings. Contingent payments related to acquisitions consist of development, regulatory and commercial milestone payments, and are valued using discounted cash flow techniques. Significant estimates and assumptions required for these valuations include the probability of achieving regulatory approval under specified time frames, product sales projections under various scenarios and discount rates used to calculate the present value of the estimated payments. Changes in the fair value of contingent consideration liabilities result from changes in these estimates and assumptions. Significant judgment is employed in determining the appropriateness of the estimates and assumptions as of the acquisition date and in post-acquisition periods.

#### Impairment

We evaluate goodwill and other indefinite-lived intangible assets for impairment annually during the fourth quarter, or more frequently if events or changes in circumstances indicate that the asset might be impaired. Our reporting units are U.S. and International and we analyze each reporting unit separately in our goodwill impairment evaluation. We used independent third-party valuation specialists in 2020 and 2019 using year-to-date October data in each year to assist management in performing the annual review of goodwill for impairment. We also utilized valuation specialists in April 2020 as we believed COVID-19 represented a triggering event that might indicate impairment. The specialists assist management in the determination of fair value of reporting units based upon inputs and assumptions provided by management, which management uses for its impairment assessment. We analyze all other indefinite-lived intangible assets qualitatively to determine if it is more likely than not for an impairment to exist. If we meet the criteria, we perform a quantitative analysis to determine if an impairment exists.

#### Goodwill

Our goodwill impairment process includes applying a quantitative impairment analysis where the fair value of the reporting unit and compare it to its carrying value (including goodwill). We determine the fair value of U.S. and International reporting units based primarily on an income approach, which incorporates the use of a discounted free cash flow analysis. The discounted free cash flow analyses is based on significant judgments, including the current operating budgets, estimated long-term growth projections and future forecasts for each reporting unit. We discount future cash flows based on a market comparable weighted average cost of capital rate for each reporting unit. The discount rates used in the discounted free cash flow analyses reflect the risks inherent in the expected future cash flows generated by the respective intangible assets. Market risk, industry risk and a small company premium has an impact on the discount rate. The value of each reporting unit is determined on a stand-alone basis from the perspective of a market participant and represents the price we estimate we would receive in a sale of the reporting unit in an orderly transaction between market participants at the measurement date. Significant judgments inherent in this analysis include estimating the amount and timing of future cash flows and the selection of appropriate discount rates, royalty rate and long-term growth rate assumptions. Changes in these estimates and assumptions could materially affect the determination of fair value for each reporting unit and for some of the reporting units and could result in an impairment charge, which could be material to our financial position and results of operations. There has been no impairment of our goodwill related to our U.S. and International reporting units since our formation.

#### Equity compensation

Prior to the IPO, the Company operated two equity-based compensation plans, the MIP and the Phantom Plans, which allows our employees to share our future profit without granting any additional voting rights. Awards granted under the MIP and certain Phantom Plan awards granted in 2015 and thereafter, or the 2015 Phantom Plan Units, are liability-classified. Those Phantom Plan awards granted from inception in 2012 and until the grant of the 2015 Phantom Plan Units, or the 2012 Phantom Plan Units, are equity-classified, as they do not contain a put option or other features requiring them to be liability-classified. Equity compensation includes compensation expense for all equity awards made to employees that are part of continuing operations and are based on estimated fair values as of the grant date for the 2012 Phantom Plan Units and period end fair value for the MIP units and 2015 Phantom Plan Units. We recognize expense for performance-based awards when we expect them to be earned. We recognize timed-based awards over the requisite service period, which is generally the vesting period of the award. We recognize forfeitures as they occur.

We used independent third-party valuation specialists in 2020 and 2019 using year-to-date October data in each year to assist management in performing the annual valuation of MIP and 2015 Phantom Plan Units. We also utilized valuation specialists in April 2020 as we believed COVID-19 represented a triggering event that might indicate impairment. The specialists assist management in the determination of fair value of awards granted using the Monte Carlo option pricing model. The subjective assumptions and the application of judgment in determining the fair value of the awards represent management's best estimates. If factors change and different assumptions are used, our equity compensation expense could be materially different in the future. The most significant assumptions and judgments are as follows:

- Expected volatility—We determine the expected price volatility based on the historical volatilities of our peer group, as we do not have a sufficient trading history for our units. Industry peers consist of several public companies in the medical device industry similar to us in size, stage of life cycle and financial leverage. We intend to continue to consistently apply this process using the same or similar public companies until a sufficient amount of historical information regarding the volatility of our own stock price becomes available, or unless circumstances change such that the identified companies are no longer similar to us, in which case, more suitable companies whose share prices are publicly available would be utilized in the calculation.
- Time to liquidity event—The amount of time that the awards are expected to be outstanding.
- Risk-free interest rate—We based the risk-free rate on U.S. Government Constant Maturity Treasury rates for a term corresponding to the Time to Liquidity Event.
- Expected dividend yield—We used a dividend rate of zero as we have not previously issued dividends and do not anticipate paying dividends in the foreseeable future.

The assumptions utilized to determine the fair value of the awards are indicated in the following table:

	2020	2019
Expected dividend yield	0.0 %	0.0 %
Expected volatility	50.0 %	35.0 %
Risk-free interest rate	0.1 %	1.5 %
Time to exit event (in years)	0.4	1.5

The calculation of the fair value of awards also requires an estimate of our equity value, based on inputs from management and reporting unit valuation reports prepared by the specialists during the annual goodwill impairment process.

We determined the value of our equity utilizing methodologies, approaches and assumptions consistent with the American Institute of Certified Public Accountants Practice Aid, "Valuation of Privately-Held-Company Equity Securities Issued as Compensation". In the absence of a public trading market, our Board of Managers determines a reasonable estimate of the grant date fair value of our equity awards based on input from management and the annual valuation reports prepared by the specialists. In addition, we exercised judgment in evaluating and assessing the foregoing based on several factors including:

- the nature and history of our business;
- our historical operating and financial results;
- the market value of companies that are engaged in a similar business to ours;
- the lack of marketability of our common stock;
- · the overall inherent risks associated with our business at the time awards were approved; and
- the overall equity market conditions and general economic trends.

As of December 31, 2020, there was approximately \$9.7 million of unrecognized compensation expense to be recognized over a weighted-average period of 1.3 years.

#### Income taxes

BV LLC is currently a partnership for U.S. federal income tax purposes. As a partnership, taxable income or loss is generally included in the income tax returns of its members. We also have a subsidiary that operates as a C-corporation that is subject to income tax requirements and international operations that are subject to foreign income tax requirements. Additionally, BV LLC is liable for various other state and local taxes. As a corporation, Bioventus Inc. will be subject to U.S. federal, state and local income taxes. We recognize the effect of income tax positions only if these positions are more likely than not to be sustained. We reflect changes in recognition or measurement in the period in which the change in judgment occurs. Upon the redemption or exchange of BV LLC Units for shares of Class A common stock or cash, we will determine if we are likely to realize the resulting tax benefits. If we are, we will record (i) a deferred tax asset based on the step-up in basis resulting from the exchange and the then effective income tax rate, (ii) a payable to related party in respect of the corresponding 85% payment under the TRA and (iii) a tax benefit based on the net difference between (i) and (ii). As we realize cash tax savings, we will reduce the deferred tax asset and the payments made under the TRA will reduce the payable to related party. Further, we will evaluate the likelihood that we will realize the benefit represented by the deferred tax asset and, to the extent that we estimate it is more likely than not that we will not realize the benefit, we will reduce the carrying amount of the deferred tax asset with a valuation allowance.

#### Long-lived assets

Property and equipment are stated at cost and are depreciated using the straight-line method over the shorter of the asset's estimated useful life, or the lease term if related to leased property, as follows in years:

Computer software and hardware	3-5
Leasehold improvements	7
Machinery and equipment	7
Furniture and fixtures	7

We amortize finite-lived identifiable intangible assets using the straight-line method over their estimated remaining weighted average useful lives as follows in years:

	Weighted Average Useful Life
Intellectual property	17.3
Distribution rights	12.7
Customer relationships	10
Developed technology	8.3

We capitalize costs incurred from third-party vendors for software design, configuration, coding and testing and amortizes these costs on a straight-line basis over the estimated useful life of the product, not to exceed three years. We do not capitalize costs that are precluded from capitalization in authoritative guidance, such as preliminary project phase costs, planning, oversight, process re-engineering costs, training costs or data conversion costs.

The carrying values of property, equipment and finite lived intangible assets are reviewed for recoverability if the facts and circumstances suggest that a potential impairment may have occurred. If this review indicates that carrying values may not be recoverable, we will perform an assessment to determine if an impairment charge is required to reduce carrying values to estimated fair value. There were no events, facts or circumstances for the years ended December 31, 2020 and 2019 that resulted in any impairment charges to our property, equipment or finite lived intangible assets.

#### **JOBS Act**

We qualify as an "emerging growth company" pursuant to the provisions of the JOBS Act. For as long as we are an "emerging growth company," we may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies that are not "emerging growth companies," including, but not limited to, not being required to comply with the auditor attestation requirements of Section 404(b) of the Sarbanes-Oxley Act, reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements, reduced disclosure obligations relating to the presentation of financial statements in the "Management's discussion and analysis of financial condition and results of operations" section and exemptions from the requirements of holding advisory "say-on-pay" votes on executive compensation and shareholder advisory votes on golden parachute compensation. We have availed ourselves of the reduced reporting obligations and executive companies in future filings.



In addition, an emerging growth company can delay its adoption of certain accounting standards until those standards would otherwise apply to private companies. However, we are choosing to "opt out" of such extended transition period, and as a result, we plan to comply with any new or revised accounting standards on the relevant dates on which non- emerging growth companies must adopt such standards. Section 107 of the JOBS Act provides that our decision to opt out of the extended transition period for complying with new or revised accounting standards is irrevocable.

We will continue to qualify as an emerging growth company until the earliest of:

- The last day of our fiscal year following the fifth anniversary of the date of our IPO;
- The last day of our fiscal year in which have annual gross revenues of \$1.07 billion or more;
- The date on which we have, during the previous three-year period, issued more than \$1.0 billion in non-convertible debt;
- The date on which we are deemed to be a "large accelerated filer", which will occur at such time as we (1) have an aggregate worldwide market value of common equity securities held by non-affiliates of \$700 million or more as of the last business day of our most recently completed second quarter, (2) have been required to file annual and quarterly reports under the Exchange Act for a period of at least 12 months and (3) have filed at least one annual report pursuant to the Exchange Act.

### Item 7A. Quantitative and Qualitative Disclosures About Market Risk.

#### Quantitative and qualitative disclosures about market risk

We are exposed to various market risks, which may result in potential losses arising from adverse changes in market rates, such as interest rates and foreign exchange rates. We do not enter into derivatives or other financial instruments for trading or speculative purposes. We use derivative instruments to manage exposures to interest rates and foreign currencies. Derivatives are recorded on the balance sheet at fair value at each balance sheet date. We have elected the fair value method of accounting and do not designate whether the derivative instrument is an effective hedge of an asset, liability or firm commitment. Changes in the fair values of derivative instruments are recognized in the consolidated statements of operations and comprehensive income (loss) in the period incurred.

#### Interest rate risk

Our cash and cash equivalents balance as of December 31, 2020 consisted of demand deposits and institutional money market funds held in U.S. and foreign banks. Cash equivalents consist of highly liquid investment securities with original maturities on the date of purchase of three months or less and can be exchanged for a known amount of cash. We are exposed to the market risk related to fluctuations in interest rates and market prices for our cash equivalents. We are also exposed to interest rate risk in connection with borrowings under our credit agreement, which bear interest at a floating rate based on one-month LIBOR plus an applicable borrowing margin. As of December 31, 2020, a 1.0% increase in interest rate would result in \$8.4 million increase in total interest payable over the remaining life of the credit agreement in the event we were to draw down the entire capacity of our revolving credit facility. For variable rate debt, interest rate changes generally do not affect the fair value of the debt instrument, but impact future earnings and cash flows, assuming other factors are constant. In the ordinary course of business, we may enter into contractual arrangements to reduce our exposure to interest rate risks.

In March 2020, we entered into an interest rate swap agreement, effective March 26, 2020 and expiring December 6, 2024 to limit our exposure to changes in the variable interest rate on our term loan. The derivative instrument was not designated as a hedge.

#### Foreign exchange risk management

We operate in countries other than the U.S. and are exposed to foreign currency risks. We bill most direct sales outside of the U.S. in local currencies. We expect that the percentage of our sales denominated in foreign currencies will increase in the foreseeable future as we continue to expand into international markets. When sales or expenses are not denominated in U.S. dollars, a fluctuation in exchange rates could affect our net income. We believe that the risk of a significant impact on our operating income from foreign currency fluctuations is minimal. Although we do not currently have any foreign currency hedges, we have used foreign exchange forward contracts in the past to protect against the impact of foreign currency fluctuations and may use forward contracts, derivatives or other hedges for foreign exchange risk management purposes in the future.

## Effects of inflation

We do not believe that inflation has had a material effect on our results of operations during the periods presented herein.



# Item 8. Financial Statements and Supplementary Data.

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# REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Shareholders Bioventus Inc.

#### **Opinion on the financial statements**

We have audited the accompanying balance sheets of Bioventus Inc. (a Delaware corporation) (the "Company") as of December 31, 2020 and 2019 and the related notes (collectively referred to as the "financial statement"). In our opinion, the financial statement presents fairly, in all material respects, the financial position of the Company as of December 31, 2020 and 2019, in conformity with accounting principles generally accepted in the United States of America.

# **Basis for opinion**

This financial statement is the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statement based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statement is free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statement, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statement. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statement. We believe that our audits provide a reasonable basis for our opinion.

/s/ GRANT THORNTON LLP

We have served as the Company's auditor since 2019.

Raleigh, North Carolina March 26, 2021

# **BIOVENTUS INC.**

# Balance sheets December 31, 2020 and 2019 (Amounts in thousands, except share and per share data)

	2020	2019
Assets	\$	\$
Liabilities		
Commitments and contingencies		
Stockholders' equity	—	—
Common stock, \$0.01 par value - 10 shares authorized, issued and outstanding		—
Total liabilities and stockholders' equity	\$	\$

The accompanying notes are an integral part of these consolidated financial statements.

#### **BIOVENTUS INC.**

#### Notes to balance sheets (Amounts in thousands, except share and per share amounts)

### 1. Organization

# The Company

Bioventus Inc. (the Company, we, us or our) was formed as a Delaware corporation on December 22, 2015 for the purpose of facilitating an initial public offering (IPO) and other related transactions in order to carry on the business of Bioventus LLC and its subsidiaries (BV LLC). The notes to these financial statements should be read in conjunction with notes to BV LLC's financial statements. As of December 31, 2020, the Company had not engaged in any business activities except in connection with its formation. On February 16, 2021, the Company closed an IPO of 9,200,000 shares of Class A common stock at a public offering price of \$13.00 per share, which includes 1,200,000 shares issued pursuant to the underwriters' over-allotment option. The Company received \$111,228 in proceeds, net of underwriting discounts and commissions of \$8,372, which was used to purchase newly-issued membership interests from BV LLC at a price per interest equal to the IPO price of \$13.00. In addition to the underwriting discounts and commission the Company incurred offering expenses totaling \$4,310. Subsequent to the IPO and related transactions that occurred in connection with the IPO (the Transactions) as described in Note 4, the Company is the sole managing member of BV LLC and owns 72.2% of BV LLC. The Company has a majority economic interest, the sole voting interest in, and controls the management of BV LLC. As a result, subsequent to the IPO, the Company will consolidate the financial results of BV LLC and will report a non-controlling interest representing the 27.8% interest not held by the Company.

# 2. Summary of significant accounting policies

#### **Basis of accounting**

The balance sheets have been prepared in accordance with accounting principles generally accepted in the United States of America. Separate statements of income, comprehensive income, changes in stockholder's equity, and cash flows have not been presented in the financial statements as there has been no activity.

#### 3. Stockholder's equity

The Corporation had 10 outstanding shares at a nominal value as of December 31, 2020.

#### 4. Subsequent event

# Transactions

The Company and BV LLC completed the following Transactions regarding the IPO.

BV LLC amended and restated the Bioventus LLC Agreement, to, among other things, (i) provide for a new single class of common membership interests in BV LLC (LLC Interests), (ii) exchange all of the existing membership interests in BV LLC for new LLC Interests and (iii) appoint Bioventus Inc. as the sole managing member of BV LLC.

The Company amended and restated its certificate of incorporation to, among other things, provide for the (i) authorization of 250,000,000 shares of Class A common stock with a par value of \$0.001 per share; (ii) authorization of 50,000,000 shares of Class B common stock with a par value of \$0.001 per share; (iii) authorization of 10,000,000 shares of undesignated preferred stock that may be issued from time to time by the Company's Board of Directors (BOD) in one or more series; and (iv) establishment of a classified BOD, divided into three classes, each of whose members will serve for staggered three-year terms.

Holders of Class A and Class B common stock are entitled to one vote per share and, except as otherwise required, will vote together as a single class on all matters on which stockholders generally are entitled to vote. Holders of Class B common stock are not entitled to receive dividends and will not be entitled to receive any distributions upon the liquidation, dissolution or winding up of the Company. Shares of Class B common stock may only be issued to the extent necessary to maintain the one-to-one ratio between the number of LLC Interests held by the only member of BV LLC that remained a member (Continuing LLC Owner) and the number of shares of Class B common stock held by the Continuing LLC Owner. Shares of Class B common stock are transferable only together with an equal number of LLC Interests. Shares of Class B common stock will be canceled on a one-for-one basis if the Company, at the election of a Continuing LLC Owner, redeem or exchange LLC Interests.



The Company's amended and restated certificate of incorporation and the Bioventus LLC Agreement requires that the Company and BV LLC at all times maintain a one-to-one ratio between the number of shares of Class A common stock issued by the Company and the number of LLC Interests owned by the Company, as well as a one-to-one ratio between the number of shares of Class B common stock owned by the Continuing LLC Owner and the number of LLC Interests owned by the Continuing LLC Owner.

The Company acquired, by merger, ten entities that were members of BV LLC (Former LLC Owners), for which the Company issued 31,838,589 shares of Class A common stock as merger consideration (Merger). The only assets held by the Former LLC Owners were 31,838,589 LLC Interests and a corresponding number of shares of Class B common stock. Upon consummation of the Merger, the Company canceled the 31,838,589 shares of Class B common stock and recognized the 31,838.589 of LLC Interests at carrying value, as the Merger is considered to be a transaction between entities under common control. Following the Merger and IPO, the Company now holds 41,038,589 LLC Interests, representing a 72.2% ownership interest in BV LLC.

# **Tax Receivable Agreement**

The Company expects to obtain an increase in the share of the tax basis of the assets of BV LLC when LLC Interests are redeemed or exchanged by the Continuing LLC Owner and other qualifying transactions. This increase in tax basis may have the effect of reducing the amounts that the Company would otherwise pay in the future to various tax authorities. The increase in tax basis may also decrease gains (or increase losses) on future dispositions of certain capital assets to the extent tax basis is allocated to those capital assets.

On February 16, 2021, the Company entered into a tax receivable agreement (TRA) with the Continuing LLC Owner that provides for the payment by the Company to the Continuing LLC Owner of 85% of the amount of tax benefits, if any, that Bioventus actually realizes as a result of (i) increases in the tax basis of assets of BV LLC resulting from any redemptions or exchanges of LLC Interests or any prior sales of interests in BV LLC and (ii) certain other tax benefits related to our making payments under the TRA.

# **Equity-Based Compensation**

In February 2021, in connection with the IPO, the BV LLC Phantom Profits Interest Plan (Phantom Plan) terminated and the Company assumed the obligations of settling the vested awards. The awards will be settled 12 months following the Phantom Plan termination. Vested awardees whose BV LLC employment terminated prior to the IPO will have their awards settled in cash totaling \$10,875. Vested awardees that were active BV LLC employees at the IPO will receive 798,422 shares of Class A common stock.

In February 2021, in connection with the IPO, the Company began operating two equity-based compensation plans. These are the Bioventus Inc. 2021 Incentive Award Plan (2021 Plan) and the Bioventus Inc. 2021 Employee Stock Purchase Plan (ESPP).

#### 2021 Plan

The 2021 Plan is designed to grant incentive awards to eligible employees and other service providers in order to attract, motivate and retain the talent for which the Company competes. The 2021 Plan provides for the grant of stock options, including incentive stock options and nonqualified stock options, restricted stock, dividend equivalents, restricted stock units (RSUs), other stock-based awards, and cash awards.

In conjunction with the IPO, 7,592,476 shares of Class A common stock were authorized for issuance. The number of shares available for issuance will be increased by an annual increase on January 1 of each calendar year beginning in 2022 and ending in and including 2031, equal to the lesser of (i) 4.5% of the shares of our Class A common stock outstanding on the final day of the immediately preceding calendar year and (ii) a smaller number of shares as determined by our board of directors.

In conjunction with the IPO, 4,561,500 stock options were granted to certain employees with an exercise price of \$13.00 per share and vest equally over two or four years as indicated in each option agreement. Additionally, the Company granted 360,670 RSUs to the directors and certain employees which vest equally over one or four years as indicated in each RSU agreement and entitles the recipient to the same number of shares of Class A common stock. 2,670,306 shares of Class A common stock remain available for issuance under the 2021 Plan.

# ESPP

The ESPP allows for the Company to grant options to employees to purchase shares of the Company's Class A common stock through payroll deductions of up to 15% of their eligible compensation as defined in the ESPP.

In conjunction with the IPO, 542,320 shares of Class A common stock were authorized for issuance. The number of shares available for issuance will be increased by an annual increase on January 1 of each calendar year beginning in 2022 and ending in and including 2031, equal to the lesser of (i) 1% of the shares of our Class A common stock outstanding on the final day of the immediately preceding calendar year and (ii) a smaller number of shares as determined by our board of directors. There have been no grants under the ESPP as of March 22, 2021.

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# REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Shareholders Bioventus Inc.

#### **Opinion on the financial statements**

We have audited the accompanying consolidated balance sheets of Bioventus LLC (a Delaware limited liability company) and subsidiaries (the "Company") as of December 31, 2020 and 2019, the related consolidated statements of operations and comprehensive income (loss), changes in members' equity, and cash flows for the years then ended and the related notes (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2020 and 2019, and the results of its operations and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for opinion**

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

# /s/ GRANT THORNTON LLP

We have served as the Company's auditor since 2019.

Raleigh, North Carolina March 26, 2021

# **Report of Independent Registered Public Accounting Firm**

To the Board of Managers and Members of Bioventus LLC

#### **Opinion on the Financial Statements**

We have audited the consolidated statements of operations and comprehensive income (loss), of changes in members' equity and of cash flows of Bioventus LLC and its subsidiaries (the "Company") for the year ended December 31, 2018, including the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the results of operations and cash flows of the Company for the year ended December 31, 2018 in conformity with accounting principles generally accepted in the United States of America.

## **Basis for Opinion**

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's consolidated financial statements based on our audit. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit of these consolidated financial statements in accordance with the standards of the PCAOB and in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud.

Our audit included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audit also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audit provides a reasonable basis for our opinion.

# **Emphasis of Matter**

As discussed in Notes 2 and 12 to the consolidated financial statements, the Company has identified noncompliance with certain U.S. Federal statutes and regulations to which the Company is subject and made a voluntary self-disclosure to the U.S. Department of Health and Human Services Office of Inspector General. As a result of the noncompliance, the Company may be subject to civil monetary penalties, as well as repayment obligations related to previously reimbursed claims and fines. Management's evaluation of the impact of these material contingencies is also discussed in Note 12.

/s/ PricewaterhouseCoopers LLP Raleigh, North Carolina

August 16, 2019, except for the effects of disclosing net loss per unit information discussed in Note 13 and the effects of discontinued operations discussed in Note 16 to the consolidated financial statements, as to which the date is October 6, 2020

We served as the Company's auditor from 2012 to 2019.

# Consolidated statements of operations and comprehensive income (loss) Years ended December 31, 2020, 2019 and 2018 (Amounts in thousands, except unit and per unit data)

		2020		2019		2018
Net sales	\$	321,161	\$	340,141	\$	319,177
Cost of sales (including depreciation and amortization of \$21,169, \$22,399 and \$20,614, respectively)		87,642		90,935		84,168
Gross profit		233,519		249,206		235,009
Selling, general and administrative expense		193,078		198,475		191,672
Research and development expense		11,202		11,055		8,095
Change in fair value of contingent consideration		—		—		(739)
Restructuring costs		563		575		1,373
Depreciation and amortization		7,439		7,908		8,615
Loss on impairment of intangible assets		—		_		489
Operating income		21,237		31,193		25,504
Interest expense		9,751		21,579		19,171
Other (income) loss		(4,428)		(75)		226
Other expense		5,323		21,504		19,397
Income from continuing operations before income taxes		15,914		9,689		6,107
Income tax expense		1,192		1,576		1,664
Net income from continuing operations		14,722		8,113		4,443
Loss from discontinued operations, net of tax		_		1,815		16,650
Net income (loss)		14,722		6,298		(12,207)
Loss attributable to noncontrolling interest		1,689		553		_
Net income (loss) attributable to unit holders		16,411		6,851	-	(12,207)
Other comprehensive income (loss), net of tax		,		-,		(,)
Change in prior service cost and unrecognized (loss) gain for defined benefit plan adjustment		(54)		(78)		131
Change in foreign currency translation adjustments		2,126		(322)		(334)
Other comprehensive income (loss)		2,072		(400)		(203)
Comprehensive income (loss)	\$	18,483	\$	6,451	\$	(12,410)
Net income from continuing operations attributable to unit holders	\$	16,411	\$	8,666	\$	4,443
Accumulated and unpaid preferred distributions		(6,133)		(5,955)		(5,781)
Net income allocated to participating shareholders		(5,895)		(1,555)		_
Net income (loss) from continuing operations attributable to common unit holders		4,383		1,156		(1,338)
Loss from discontinued operations, net of tax		_		1,815		16,650
Net income (loss) attributable to common unit holders	\$	4,383	\$	(659)	\$	(17,988)
Net income (loss) per unit attributable to common unit holders - basic and diluted		· · · ·				,
Net income (loss) for continuing operations	\$	0.89	\$	0.24	\$	(0.27)
Loss from discontinued operations, net of tax	7		*	0.37	Ŧ	3.40
Net income (loss) attributable to common unit holders	\$	0.89	\$	(0.13)	\$	(3.67)
	<u> </u>	0.05		(0.15)	Ψ	(3.07)
Weighted average units used in computing basic and diluted net income (loss) per common unit		4,900,000		4,900,000		4,900,000

The accompanying notes are an integral part of these consolidated financial statements.

# Consolidated balance sheets December 31, 2020 and 2019 (Amounts in thousands)

	202	20	2019	
Assets				
Current assets:				
Cash and cash equivalents	\$	86,839	\$ 64	4,520
Accounts receivable, net		88,283	85	5,128
Inventory		29,120	27	7,326
Prepaid and other current assets		7,552	6	6,059
Total current assets		211,794	183	3,033
Property and equipment, net		6,879	2	4,489
Goodwill		49,800	49	9,800
Intangible assets, net		191,650	216	6,510
Operating lease assets		14,961	15	5,267
Investments and other assets		19,382	3	3,308
Total assets	\$	494,466	\$ 472	2,407
Liabilities and Members' Equity				
Current liabilities:				
Accounts payable	\$	4,422	\$ 6	6,440
Accrued liabilities		88,187	52	2,827
Accrued equity-based compensation		11,054		5,547
Current portion of long-term debt		15,000	10	0,000
Other current liabilities		3,926	2	4,201
Total current liabilities		122,589	89	9,015
Long-term debt, less current portion		173,378	187	7,965
Accrued equity-based compensation, less current portion		29,249	25	5,255
Deferred tax liability		3,362	3	3,874
Other long-term liabilities		21,728	20	0,681
Total liabilities		350,306	326	6,790
Commitments and contingencies (Note 12)				
Members' equity (preferred unit liquidation preference of \$210,576 and \$204,443 at December 31, 2020 and 2019, respectively)		285,173	285	5,147
Accumulated other comprehensive income (loss)		1,607		(465)
Accumulated deficit		(144,539)		1,700)
Equity attributable to unit holders		142,241	<b>`</b>	2,982
Noncontrolling interest		1,919		2,635
Total members' equity		144,160		5,617
Total liabilities and members' equity	\$	,		2,407
Total monitors and memoris equity	ф Т	-3-,-00	φ 4/2	_,407

The accompanying notes are an integral part of these consolidated financial statements.

# Consolidated statements of changes in members' equity Years ended December 31, 2020, 2019 and 2018 (Amounts in thousands)

		Accumulated Other			
	Members' Equity	Comprehensive Income (Loss)	Accumulated Deficit	Noncontrolling Interest	Total Members' Equity
Balance at December 31, 2017	\$ 285,114	\$ 138	\$ (119,795)	\$ —	\$ 165,457
Profits interest compensation	39	—	—	—	39
Distribution to members	—	—	(7,819)	—	(7,819)
Net loss	—	—	(12,207)	—	(12,207)
Defined benefit plan adjustment	—	131	—	—	131
Translation adjustment	—	(334)	—	—	(334)
Balance at December 31, 2018	285,153	(65)	(139,821)		145,267
Profits interest forfeitures	(6)	—	—	—	(6)
Distribution to members	—	—	(8,730)	—	(8,730)
Acquisition of noncontrolling interest	—	—	—	3,188	3,188
Net income (loss)	—	—	6,851	(553)	6,298
Defined benefit plan adjustment	—	(78)	—	—	(78)
Translation adjustment	_	(322)			(322)
Balance at December 31, 2019	285,147	(465)	(141,700)	2,635	145,617
Profits interest forfeitures	(12)	_	_	_	(12)
Distribution to members	_	_	(19,250)	_	(19,250)
Other equity compensation	38	—	—	—	38
Debt conversion	—	—	—	973	973
Net income (loss)	—	—	16,411	(1,689)	14,722
Defined benefit plan adjustment	—	(54)	—	—	(54)
Translation adjustment	_	2,126	_	—	2,126
Balance at December 31, 2020	\$ 285,173	\$ 1,607	\$ (144,539)	\$ 1,919	\$ 144,160

The accompanying notes are an integral part of these consolidated financial statements.

# Consolidated statements of cash flows Years ended December 31, 2020 and 2019 (Amounts in thousands)

Net los for discontinued operations		2020	2019	2018
Net los form discontinued operations				
Net income from continuing operators         14,722         6,13         4.4           Adjustments or recention and montization         28,643         30,316         29,           Deprection and amontization         28,643         30,316         29,           Change in fait whe of catingtery consideration in excess of amont esablished         -         -         -           Device in our diverse of amont esablished         -<		\$ 14,722		
Adjamments is meaning or early provided by operating activities from continuing operations:       20,643       30,316       29,         I cos on infigure considered in the access of anomat etabliched in proches accounting on considered in a proches accounting on proches acconsidered on proches accounting on considered in a pro	*			16,650
frame containing operations         28,643         90,316         99,316           Depreciation and montization         28,643         90,316         99,316           Change in fur value of contingent consideration         -         -         -           Change in fur value of contingent consideration         -         -         -         -         0,010           Provision for exprect cerl troose         1,103         10,044         144,444         144,444         144,445,456         -	• •	14,722	8,113	4,443
I. Los on injuriment or imanghine sources of amount established in parchase accounting Payment of contingent consideration in excess of amount established in parchase accounting Payment of contingent consideration in excess of amount established in parchase accounting Payment of contingent consideration in excess of amount established in parchase accounting Payment of contingent consideration in excess of amount established Change in fair value of directs substitue and equipt participation Rights unit Change in fair value of directs the soap Patricipation Rights unit Change in fair value of directs the soap Patricipation debt disconter and equipt participation Rights unit Change in fair value of directs the soap Patricipation debt disconter and equipt participation Rights unit Change in fair value of directs the soap Patricipation debt disconter and excess Patricipation debt disconter and excess Patricipation debt disconter and excess Patricipation debt disconter and excess Patricipation debt disconter and endification Patricipation debt disconter and excess Patricipation debt disconter and excess Patricipation Patricipation disconter and excess Patricipation Patricipation disconter and excess Patricipation Patricipation disconter and excess Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation Patricipation <br< td=""><td></td><td></td><td></td><td></td></br<>				
Change in fair value of contingent considention in excess of amount established–(-1000 for interest on and contract compensation of devid discount and contract compensation	Depreciation and amortization	28,643	30,316	29,238
Payment of contingent consideration in excess of amount established in purchase accounting-(94)(34)Change in fair value of lexcess accounting1,1152,2422,2	Loss on impairment of intangible assets	—	-	489
in purchase accounting         —         (445)         (54.2)           Provision for expected cell losses         1.215         2.242         2.           Profis interver plan, lability-chasified and cher equity avards compensation         10.03         10.844         41.4           Change in fair value of Equity Participation Rights unit         644         565         1.0           Change in fair value of Interver plan, lability-chasified and cher equity avards compensation         1.09         —         9.00           Deferred income taxes         (511)         (343)         1.533         4.0           Loss on debt reterement and modification         —         3.52         .00         .00         .0352         .00           Change in diversity assess and labilities:		_	-	(739)
Phofis interse plan, lability-classified and obse equity avaits compensation         10.103         10.944         14.4           Change in fair value of fueries rate swap         1.599	Payment of contingent consideration in excess of amount established in purchase accounting	_	· · · ·	(3,558)
Change in fair value of pairs perticipation Rights unit         644         565         1,1           Change in fair value of perticipation Rights unit         1,593	Provision for expected credit losses	, -		2,538
Change in fair value of interest met swap         1,599            Deferend income taxs         (61)         (748)         1,593         1,5           Anonrization of defit discount and capitalized ioan fees, net         543         1,533         1,5           Other, net         (67)         3352         0           Change in operating asses and liabilities:         (67)         352         0           Accounts payable and accrued expenses         (3,541)         (14,599)         (12,2)           Other current asset and liabilities         (3,23)         (14,27)         3,3           Accounts payable and accrued expenses         (3,51)         (4,649)         (12,2)           Other current asset and liabilities         (7,73)         (4,854)         (52,2)           Not eash porvided by operating activities from continuing operations         (4,000)         (1,832)         (7,712)           Not eash porvided by operating activities from continuing operations         (1,67,79)         (4,643)         (2,242)         (2,242)           Norchase of property and equipment         (4,003)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)         (2,242)				14,325
before di nome taxes         (511)         (348)           Anotizitato of debi discute and capitalize loan fees, net         543         1,583         1,5           Obter, net         (67)         3,352         0           Chargs in operating assets and liabilities:         (67)         3,352         0           Chargs in operating assets and liabilities:         (3941)         (14,099)         (02,00)           Investorios         (323)         (14,27)         3,3           O Cher currer assets and liabilities         (733)         (3,882)         (0,00)           Net cash provided by operating activities from continuiting operations         (71,99)         40,713         (45,55)           Const cash provided by operating activities         (16,57)         (6,000)         (0,3)           Arcquistin of VIE         (16,57)         (6,000)         (0,3)           Arcquistin of VIE         (20,57)         (7,7)2)         (0,6)           Arcquistin of VIE         (20,67)         (7,912)         (0,6)	Change in fair value of Equity Participation Rights unit		565	1,009
Anontization of debt discount and capitalized loan fees, net       543       1,583       1,1         Loss on debt retirement and modification       -       3,352       -         Other, net       (67)       393       -         Changes in operating assets and liabilities:       -       (14,900)       (12,2)         Investories       (528)       (11,427)       (3,3         Accounts paylole and accrued expenses       (20,510)       6,664       (12,2)         Other current assets and liabilities       (733)       (3,882)       (C         Vie cash provided by operating activities from continuing operations       72,199       44,254       552         Net cash provided by operating activities form continuing operations       (16,579)       (6,000)       (3,100)         Investing activities form continuing operations       (12,2,472)       (2,242)       (2,242)         Recash and provided by (used in) investing activities from dosontinued operations       (12,000)       (7,1712)       (6,6100)         Net cash used in investing activities from continuing operations       (12,020)       (7,1712)       (6,120)         Net cash used in investing activities from continuing operations       (12,020)       (7,1712)       (6,120)         Net cash used in investing activities from dosontinued operations       (12	•		—	—
		· · ·	· · /	(79)
Obner, net       (67)       935         Changes in operating assets and liabilities:       (14,909)       (12,         Accounts receivable       (3,941)       (14,909)       (12,         Inventories       (3,041)       (14,909)       (12,         Accounts receivable       (3,051)       (6,666       (12,         Other current assets and liabilities       (7,33)       (3,882)       (0,         Net cash provided by operating activities form continuing operations       (7,199)       42,354       (5,28)         Net cash provided by operating activities form continuing operations       (400)       (16,322)       (7,         Net cash provided by operating activities form continuing operations       (16,579)       (6,000)       (3,         Acquisition of VIE        4.30       (24,22)       (24,2)       (24,22)       (24,2)       (24,2)       (24,2)       (24,2)       (24,2) <td></td> <td>543</td> <td></td> <td>1,686</td>		543		1,686
Changes in operating assess and liabilities:       (3,941)       (14,09)       (12,         Accounts receivable       (3,262)       (1,427)       3,         Accounts payable and accrued expenses       20,510       6,666       12,         Other current assess and liabilities       (7,33)       (3,882)       (0,         Net cash provided by operating activities of discontinued operations       71,799       40,713       45,555         Net cash provided by operating activities of discontinued operations       (16,579)       (6,000)       (3,31)         Investing activities       -       430       (2,242)       (2,242)         Investing activities of property and equipment       (40,03)       (2,242)       (2,242)       (2,242)         Net cash used in investing activities from discontinued operations       172       -       -       430         Purchase of property and equipment       (20,572)       (7,912)       (6,657)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,672)       (7,912)       (6,673) <td></td> <td>_</td> <td></td> <td>-</td>		_		-
Accounts receivable         (3.41)         (1.4.90)         (1.2.           Inventories         (5.20)         (1.4.27)         3.3.           Accounts payable and accrued expenses         (3.31)         (3.822)         (0.823)           Vet cash provided by operating activities of discontinuit operations         (7.33)         (3.823)         (0.823)           Net cash provide by operating activities of discontinued operations         (1.00)         (1.833)         (7.7)           Net cash provide by operating activities of discontinued operations         (1.637)         (6.000)         (3.3)           Acquisition of distribution rights         (16.57)         (6.000)         (3.3)           Acquisition of VIE         -         4.30         (2.42)           Net cash provide by (seed in) investing activities from continuing operations         (20,572)         (7.9)         (6.60)           Net cash provide by (seed in) investing activities from discontinued operations         (20,572)         (7.9)         (2.4)           Net cash provide by (seed in) investing activities from continuing operations         (20,500)         (7.9)         (6.60)           Borrwing on revolver         -         (9.000)         -         -         19.34         -           Payment on revolver         -         (9.000)         -		(67)	395	106
Investories         (528)         (1,47)         3.3           Accounts payable and accrued expenses         20,510         6.666         122           Other current assets and liabilities         (7.3)         (3.882)         (0.           Net cash provided by operating activities form continuing operations         72,199         42,545         552,           Net cash provided by operating activities of discontinued operations         (400)         (1.832)         (0.           Investmer and acquisition of distribution rights         (16,579)         (6,000)         (3.3           Acquisition of VIE         -         430         -           Purchase of property and equipment         (4003)         (2.242)         (2.2           Net cash used in investing activities from continuing operations         (20,677)         (7,912)         (6,600)           Net cash used in investing activities from discontinued operations         (20,670)         (7,912)         (6,600)           Net cash used in investing activities from discontinued operations         (20,670)         (7,912)         (6,600)           Net cash used in investing activities from discontinued operations         (20,670)         (7,912)         (6,600)           Net cash used in investing activities from discontinued operations         (20,670)         (7,912)         (6,60)				
Accounts payable and accured expenses         20,510         6,646         12,           Other current assets and liabilities         (73)         (3,862)         (0           Net cash provided by operating activities of discontinued operations         72,199         42,545         52,           Net cash provided by operating activities of discontinued operations         (400)         (1,132)         (7,           Net cash provided by operating activities         71,799         40,713         (45,           Investing activities         (16,579)         (6,000)         (3,302)         (2,2,2)           Acquisition of VIE         –         430         (2,2,2) <td></td> <td></td> <td></td> <td>(12,130)</td>				(12,130)
Other current assets and liabilities         (733)         (3.882)         (()           Net cash provided by operating activities from continuing operations         (400)         (1.332)         (7,           Net cash used in operating activities of discontinued operations         (16,579)         (40,713)         (45,779)           Investing activities         (16,579)         (6,000)         (3.382)         (2,2,27)           Investing activities of discontinued operations         (16,579)         (6,000)         (3.382)         (2,2,27)           Investing activities from continuing operations         (16,579)         (6,000)         (3.382)         (2,2,22)           Net cash used in investing activities from continuing operations         (20,572)         (7,912)         (6,600)         (20,572)         (7,912)         (6,600)         (3.382)         (2,2,22)         (2,2,22)         (2,2,32)         (2,2,42)         (2,2,32)         (2,2,32)         (2,2,32)         (2,3,42)         (2,2,32)         (2,6,50)         (7,912)         (6,600)         (6,57)         (7,912)         (6,6,60)         (6,60)         (6,60)         (7,912)         (6,6,7)         (7,912)         (6,6,7)         (7,912)         (6,6,7)         (7,912)         (6,6,7)         (7,912)         (6,6,7)         (7,912)         (6,6,7)         (7,91				3,256
Net cash provided by operating activities of discontinued operations72,199 $42,545$ $52,$ Net cash used in operating activities of discontinued operations(400)(1,832)(7,Net cash provided by operating activities of discontinued operations $71,799$ $40,713$ $45,$ Investing activities(16,579)(6,000)(3,1Arcuisition of VIE- $430$ (2,342)(2,2,342)Purchase of property and equipment(20,672)(7,912)(6,600)Net cash used in investing activities from continuing operations172Net cash used in investing activities from continued operations172Net cash used in investing activities from continued operations172Net cash used in investing activities(20,500)(7,912)(6,600)-Paromate of toperty and equipment(40,900)Net cash used in investing activities(20,500)(7,912)(6,600)-Paromet on revolver(49,000)Paromet on revolver-198,134Paromet on revolver(10,000)(199,500)(5,50)(5,50)-Paromet on revolver(10,000)(199,500)(5,50)(7,512)(7,512)(7,512)Paromet on revolver(10,000)(199,500)(5,50)(7,512)(7,512)(7,512)(7,512)Paromet on revolver(10,000)(199,500)(5,50)(7,512)(7,512)(7,512)(7,				12,148
Net cash used in operating activities of discontinued operations       71,79       40,71       43,32         Investing activities       71,79       40,71       43,53         Investing activities       116,579       66,000       (3,3)         Acquisition of VIE       -       430       (2,342)       (2,242)         Purchase of property and equipment       (20,672)       (7,912)       (6,600)       (3,3)         Net cash used in investing activities from continuing operations       (20,672)       (7,912)       (6,600)         Net cash used in investing activities from discontinued operations       122       -       (6,600)       (7,912)       (6,600)         Net cash used in investing activities from discontinued operations       122       -       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (6,600)       (7,912)       (7,912)       (6,600)       (7,912)       (7,912)       (7,912)       (7,912)       (7,912)       (7,912)       (7,912)       (7,912) <t< td=""><td></td><td></td><td></td><td>(422)</td></t<>				(422)
Net cash provided by operating activities $71,799$ $40,713$ $45,$ Investing and acquisition of distribution rights $(16,579)$ $(6,000)$ $(3,3)$ Acquisition of VIE $ 430$ $(2,342)$ $(3,34)$				52,310
Investing activities:         Investing activities           Investing activities:         (16,579)         (6,000)         (2,342)           Acquisition of VIE         -         430           Purchase of property and equipment         (4,093)         (2,342)         (2,242)           Net cash bused in investing activities from ontinuing operations         (20,570)         (7,912)         (6,           Net cash bused in investing activities from discontinued operations         (20,500)         (7,912)         (6,           Suppersent adtex activities         (20,500)         (7,912)         (6,           Financing activities         -         198         (20,500)         (7,912)         (6,           Borrowing on revolver         49,0000         -         -         198         199         100         100         199,500         (5, 5)         100         100         199,500         (5, 5)         100         100         100,5		. ,		(7,123)
Investment and acquisition of distribution rights       (16,579)       (6,000)       (3,1)         Acquisition of VIE		71,799	40,713	45,187
Acquisition of VIE       —       430         Purchase of property and equipment       (4,093)       (2,342)       (2,142)         Net cash used in investing activities from discontinued operations       (20,672)       (7,912)       (6,17)         Net cash provided by (used in) investing activities from discontinued operations       (20,500)       (7,912)       (6,17)         Financing activities       (20,500)       (7,912)       (6,17)         Borrowing on revolver       49,000       —       10000       10000       10000       10000       1000000       1000000       1000	5			
Parchase of property and equipment       (4,093)       (2,342)       (2,142)         Net cash used in investing activities from continuing operations       (20,672)       (7,912)       (6,672)         Net cash used in investing activities from discontinued operations       (20,672)       (7,912)       (6,672)         Net cash used in investing activities       (20,672)       (7,912)       (6,672)         Financing activities       (20,672)       (7,912)       (6,672)         Financing activities       (20,672)       (7,912)       (6,672)         Particase of long-term divities       (49,000)       (		(16,579)		(3,500)
Net cash used in investing activities from continuing operations       (20.672)       (7,912)       (6,072)         Net cash provided by (used in) investing activities       (20.500)       (7,912)       (6,072)         Net cash used in investing activities       (20.500)       (7,912)       (6,072)         Financing activities       (20.500)       (7,912)       (6,072)         Borrowing on revolver       49,000        (7,912)       (6,072)         Payment on revolver       49,000        (7,912)       (6,072)         Proceeds from the issuance of long-term debt       (49,000)        (19,012)       (10,012)				
Net cash provided by (used in) investing activities from discontinued operations       172       —         Net cash used in investing activities       (20,500)       (7,912)       (6,         Financing activities       49,000       —       9         Borrowing on revolver       49,000       —       198,134         Payment on revolver       (49,000)       (199,500)       (5,         Pote cash from the issuance of long-term debt, net of issuance costs       —       198,134       (10,000)       (199,500)       (5,         Other financing activities       317       (448)       (10,913)       (7,4)         Distribution to members       (19,886)       (9,137)       (7,4)       (7,4)         Net cash used in financing activities       (29,569)       (10,915)       (13,2)       (14,3)       (10,915)       (13,2)         Effect of exchange rate changes on cash       (29,569)       (10,915)       (13,2)       (21,746)       25,5       (22,319)       (21,746)       (25,50)       (21,746)       (25,50)       (22,519)       (21,746)       (25,52)       (24,774)       (17,7)       (25,62)       (24,774)       (17,7)       (25,62)       (24,774)       (17,7)       (25,62)       (24,774)       (17,7)       (25,62)       (24,774)       (17				(2,561)
Net cash used in investing activities       (20,500)       (7,912)       (6,         Financing activities:       49,000          Borrowing on revolver       49,000          Payment on revolver       (49,000)          Proceeds from the issuance of long-term debt, net of issuance costs        198,134         Payments on long-term debt       (10,000)       (199,500)       (5,100)         Other financing activities       317       (448)       (10,001)         Distribution to members       (19,886)       (9,137)       (7,11)         Ket cash used in financing activities       (29,569)       (10,951)       (10,351)         Effect of exchange rate changes on cash       223,319       21,746       225,750         Net cash used in financing activities       64,520       42,774       17,71         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,71         Supplemental disclosure of cash flow information       S       86,839       \$       64,520       42,774       17,71         Cash paid for increme taxes       \$       1,541       \$       1,577       \$       1,5         Supplemental disclosure of noncash investing and financing activities       \$       3,			(7,912)	(6,061)
Financing activities       49,000          Borrowing on revolver       49,000          Payment on revolver       (49,000)          Proceeds from the issuance of long-term debt, net of issuance costs        198,134         Payments on long-term debt       (10,000)       (199,500)       (5,1000)         Other financing activities       317       (448)       (0)         Distribution to members       (19,886)       (9,137)       (7,4000)         Net cash used in financing activities       (10,951)       (10,951)       (13,200)         Effect of exchange rate changes on cash       589       (10,40)       (0)         Net cash used in financing of the period       22,319       21,746       25,         Cash and cash equivalents at the edgining of the period       5       86,839       5       64,520       42,774       17,         Cash and cash equivalents at the edgin information       \$       86,839       \$       64,520       \$       42,274       17,         Cash and cash equivalents at the edgin information       \$       86,839       \$       64,520       \$       42,274       17,         Cash and cash equivalents at the edgin information       \$       31,541       \$       1,545 <td></td> <td></td> <td></td> <td>(40)</td>				(40)
Borrowing on revolver       49,000       —         Payment on revolver       (49,000)       —         Proceeds from the issuance of long-term debt, net of issuance costs       —       198,134         Payments on long-term debt       (10,000)       (199,500)       (5,5)         Other financing activities       317       (448)       (10,001)         Distribution to members       (19,866)       (10,951)       (13,5)         Effect of exchange rate changes on cash       22,319       (10,41)       (10,001)         Net cash used in financing activities       22,319       21,746       25,5         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,7         Cash and cash equivalents at the eginning of the period       \$       86,839       \$       42,52,5         Supplemental disclosure of cash flow information       \$       \$       86,839       \$       42,774       17,7         Cash and cash equivalents at the eginning of the period       \$       86,839       \$       42,520       \$       42,774       17,7         Cash and cash equivalents at the eginning of the period       \$       86,839       \$       1,527       \$       1,52       42,774       17,7       \$       1,52       1,52 <td></td> <td>(20,500)</td> <td>(7,912)</td> <td>(6,101)</td>		(20,500)	(7,912)	(6,101)
Payment on revolver       (49,000)         198,134         Payments on long-term debt, net of issuance costs        198,134          Payments on long-term debt       (10,000)       (199,500)       (5,50)         Other financing activities       317       (448)       (10,000)         Distribution to members       (19,886)       (9,137)       (7,40)         Net cash used in financing activities       (10,925)       (10,951)       (113,10)         Effect of exchange rate changes on cash       589       (104)       (10,025)         Net change in cash and cash equivalents       22,319       21,746       225,503         Cash and cash equivalents at the beginning of the period       64,520       42,774       177,70,700         Cash and cash equivalents at the end of the period       \$ 86,833       \$ 64,520       \$ 42,774       177,700,700         Cash paid for income taxes       \$ 1,541       \$ 1,577       \$ 1,577       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,500       \$ 1,577,5				
Proceeds from the issuance of long-term debt, net of issuance costs       -       198,134         Payments on long-term debt       (10,000)       (199,500)       (5,100)         Other financing activities       317       (448)       (10,000)         Distribution to members       (19,886)       (9,137)       (7,400)         Net cash used in financing activities       (29,569)       (10,951)       (13,100)         Effect of exchange rate changes on cash       589       (104)       (25,500)         Net change in cash and cash equivalents       23,19       21,746       (25,500)         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,7         Cash and cash equivalents at the end of the period       \$       86,833       \$       64,520       \$       42,774         Supplemental disclosure of cash flow information       -       -       1,541       \$       1,577       \$       1,7         Cash paid for income taxes       \$       1,541       \$       1,575       \$       1,7         Supplemental disclosure of noncash investing and financing activities       \$       7,486       \$       1,7	5	-,	-	-
Payments on long-term debt       (10,000)       (199,500)       (5,5)         Other financing activities       317       (448)       (10,000)         Distribution to members       (19,886)       (9,137)       (7,4)         Net cash used in financing activities       (29,569)       (10,951)       (13,2)         Effect of exchange rate changes on cash       589       (10,000)       (10,001)       (10,001)         Net change in cash and cash equivalents       22,319       21,746       (20,001)       (20		(49,000)	-	-
Other financing activities       317       (448)       (1)         Distribution to members       (19,886)       (9,137)       (7,4)         Net cash used in financing activities       (29,569)       (10,951)       (13,3)         Effect of exchange rate changes on cash       589       (10)       (12,319)         Net cash equivalents and cash equivalents       22,319       21,746       25,70         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,71         Cash and cash equivalents at the end of the period       \$ 86,833       \$ 86,833       \$ 42,520       \$ 42,274         Supplemental disclosure of cash flow information       \$ 86,833       \$ 86,833       \$ 45,20       \$ 42,274         Cash apid for income taxes       \$ 1,541       \$ 1,557       \$ 1,577       \$ 1,577       \$ 1,577         Cash paid for interest       \$ 7,486       \$ 15,450       \$ 17,577       \$ 1,77	-			(5.050)
Distribution to members       (19,886)       (9,137)       (7,4)         Net cash used in financing activities       (29,569)       (10,951)       (13,5)         Effect of exchange rate changes on cash       589       (104)       (1)         Net cash used in financing activities       22,319       21,746       25,5         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,         Cash and cash equivalents at the equind of the period       \$ 86,839       \$ 42,52       42,747       17,         Cash and cash equivalents at the equind of the period       \$ 86,839       \$ 44,520       42,774       17,         Cash and cash equivalents at the equind for the period       \$ 86,839       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 1,570       \$ 1,570         Cash paid for income taxes       \$ 1,571       \$ 1,577       \$ 1,7       \$ 1,7         Cash paid for interest       \$ 7,486       \$ 15,550       \$ 17,7         Supplemental disclosure of noncash investing and financing activities				(5,250)
Net cash used in financing activities       (29,569)       (10,951)       (13,7)         Effect of exchange rate changes on cash       589       (104)       (1         Net change in cash and cash equivalents       22,319       21,746       25,0         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       17,         Cash paid for income taxes       \$ 1,541       \$ 1,577       \$ 1,577       \$ 1,577       \$ 1,577       \$ 1,77         Cash paid for interest       \$ 7,486       \$ 15,450       \$ 17,       \$ 17,         Supplemental disclosure of noncash investing and financing activities       \$ 7,486       \$ 15,450       \$ 17,			. ,	(160)
Effect of exchange rate changes on cash589(104)(()Net change in cash and cash equivalents22,31921,74625,Cash and cash equivalents at the beginning of the period64,52042,77417,Cash and cash equivalents at the end of the period\$ 86,839\$ 64,520\$ 42,77417,Cash and cash equivalents at the end of the period\$ 1,541\$ 1,577\$ 42,7717,Cash paid for income taxes\$ 1,541\$ 1,577\$ 1,77\$ 1,77Cash paid for interest\$ 7,486\$ 15,450\$ 17,Supplemental disclosure of noncash investing and financing activities\$ 7,486\$ 15,450\$ 17,				(7,846)
Net change in cash and cash equivalents       22,319       21,746       25,         Cash and cash equivalents at the beginning of the period       64,520       42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       17,         Supplemental disclosure of cash flow information       \$ 1,541       \$ 1,577       \$ 42,774       17,         Cash paid for increas       \$ 1,541       \$ 1,577       \$ 1,577       \$ 1,77,       \$ 1,77,         Supplemental disclosure of noncash investing and financing activities       \$ 7,486       \$ 15,450       \$ 17,				(13,256)
Cash and cash equivalents at the beginning of the period       64,520       42,774       17,         Cash and cash equivalents at the end of the period       \$ 86,839       \$ 64,520       \$ 42,774       \$ 42,774         Supplemental disclosure of cash flow information       \$ 1,541       \$ 1,577       \$ 1,577       \$ 1,77         Cash paid for increas       \$ 1,541       \$ 1,577       \$ 1,577       \$ 1,77         Supplemental disclosure of noncash investing and financing activities       \$ 7,486       \$ 15,450       \$ 17,77			. ,	(160)
Cash and cash equivalents at the end of the period       \$       86,839       \$       64,520       \$       42,         Supplemental disclosure of cash flow information        1,541       \$       1,577       \$       1,77         Cash paid for increast       \$       7,486       \$       15,450       \$       17,         Supplemental disclosure of noncash investing and financing activities         7,486       \$       17,450				25,670
Cash paid for income taxes\$1,541\$1,577\$1,7Cash paid for interest\$7,486\$15,450\$17,Supplemental disclosure of noncash investing and financing activities				17,104 \$ 42,774
Cash paid for income taxes\$1,541\$1,577\$1,7Cash paid for interest\$7,486\$15,450\$17,7Supplemental disclosure of noncash investing and financing activities	Supplemental disclosure of cash flow information			
Cash paid for interest \$ 7,486 \$ 15,450 \$ 17, Supplemental disclosure of noncash investing and financing activities		\$ 1541	\$ 1577	\$ 1,944
	Supplemental disclosure of noncash investing and financing activities			
Accrued liabilities for distribution rights S 1.000 S — S 6	Accrued liabilities for distribution rights	\$ 1,000	\$ —	\$ 6,000
	•	· · · · · · · · · · · · · · · · · · ·		
		-		
Accounts payable for purchase of property and equipment \$ 336 \$ 34 \$	Accounts payable for purchase of property and equipment	\$ 336	\$ 34	\$ 184
Accrued member distribution \$ 31 \$ 499 \$	Accrued member distribution	\$ 31	\$ 499	\$ 906

The accompanying notes are an integral part of these consolidated financial statements

# Notes to consolidated financial statements (Amounts in thousands, except unit, share, per unit and per share data)

#### 1. Organization and basis of presentation of financial information

#### The Company

Bioventus LLC and its subsidiaries (the Company, we, us or our), is a limited liability company formed under the laws of the state of Delaware on November 23, 2011 and operates as a partnership. The Company commenced operations in May 2012 in Durham, North Carolina, USA, which is its headquarters. Bioventus is a global medical device company, conducting business in various countries, primarily in North America and Europe, with approximately 700 employees. The Company is focused on developing and commercializing clinically differentiated, cost efficient and minimally invasive treatments that engage and enhance the body's natural healing processes.

Bioventus Inc. was formed as a Delaware corporation for the purpose of facilitating an initial public offering (IPO) and other related transactions in order to carry on the business of the Company. Bioventus Inc. acquired, by merger, ten entities that were members of the Company (Former LLC Owners) and upon consummation of the merger, owned 31,838,589 Common LLC Interests (as defined below). On February 16, 2021, Bioventus Inc. (New LLC Owner) closed an IPO of 9,200,000 shares of Class A common stock at a public offering price of \$13.00 per share, which includes 1,200,000 shares issued pursuant to the underwriters' over-allotment option. The New LLC Owner received \$111,228 in proceeds, net of underwriting discounts and commissions which was used to make a capital contribution to the Company in exchange for 9,200,000 newly-issued membership interests (Common LLC Interests) from the Company at a price per interest equal to the IPO price of \$13.00. Subsequent to the IPO and related transactions that occurred in connection with the IPO (Transactions), the New LLC Owner is the sole managing member of the Company. Following the completion of the IPO and Transactions, the New LLC Owner owns 72.2% of the Company. The New LLC Owner will consolidate the financial results of the Company and will report a non-controlling interest representing the interests owned by the only member of BV LLC that remained a member (Continuing LLC Owner). Refer to *Note 17. Subsequent Events* for further details regarding the IPO and related transactions.

## **Interim periods**

The Company reports quarterly interim periods on a 13-week basis within a standard calendar year. Each annual reporting period begins on January 1 and ends on December 31. Each quarter ends on the Saturday closest to calendar quarter-end, with the exception of the fourth quarter, which ends on December 31. The 13-week quarterly periods ended on March 28, June 27 and September 26 for the year ended December 31, 2020. As a result, the fourth and first quarters may vary in length depending on the calendar year.

### **Principles of consolidation**

The consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the United States of America (U.S. GAAP). The consolidated financial statements include the Company, its subsidiaries and investments in which the Company has control. Amounts pertaining to the non-controlling ownership interests held by third parties in the operating results and financial position of the Company's controlled subsidiaries are reported as non-controlling interests. All intercompany balances and transactions have been eliminated in consolidation.

# Reclassifications

Certain prior period amounts have been reclassified to conform to the current period presentation. These changes had no effect on previously reported total revenues, net income (loss), other comprehensive income (loss), members' equity or cash flows. Unless otherwise noted, all financial information in the consolidated financial statement footnotes reflect the Company's results from continuing operations. Discontinued operations are discussed further in *Note 16*. *Discontinued operations*.

#### Segment reporting

The Company identifies a business as an operating segment if: (i) it engages in business activities from which it may earn revenues and incur expenses; (ii) its operating results are regularly reviewed by the Chief Operating Decision Maker (CODM), to make decisions about resources to be allocated to the segment and assess its performance; and (iii) it has available discrete financial information. The Company's CODM is its Chief Executive Officer. The CODM reviews financial information at the operating segment level to allocate resources and to assess the operating results and financial performance for each operating segment.

The Company's two reportable segments are U.S. and International. U.S. and International products are primarily sold to physicians spanning the orthopedic continuum, including sports medicine, total joint reconstruction, hand and upper extremities, foot and ankle, podiatric surgery, trauma, spine and neurosurgery, as well as directly to their patients. Refer to *Note 14. Net sales* and *Note 15. Segments* for further information regarding our business segments.

#### Use of estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and the disclosure of contingent assets and liabilities, at the date of the financial statements, as well as the reported amounts of revenues and expenses during the period. On an ongoing basis, management evaluates these estimates, including those related to contractual allowances and sales incentives, allowances for doubtful accounts, inventory reserves, goodwill and intangible assets impairment, useful lives of long lived assets, noncontrolling interest, fair value measurements, litigation and contingent liabilities, income taxes, and equity-based compensation. Management bases its estimates on historical experience, future expectations and other relevant assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from those estimates.

# **COVID-19** pandemic impact

In 2020, the COVID-19 pandemic spread around the world and in the U.S. and, more recently, new variants of the virus have emerged, some of which have shown to be more contagious. The COVID-19 pandemic has had widespread, rapidly evolving and unpredictable impacts on global society, economies, financial markets and business practices. Federal and state governments have implemented measures in an effort to prevent or minimize the spread of the virus, and ongoing effects of the pandemic, including social distancing, travel restrictions, border closures, limitations on public gatherings, mandatory closure or reduced capacity of business, work from home, supply chain logistical changes and other measures, which have caused global business disruptions and significant volatility in U.S. and international debt and equity markets. Our business, results of operations and financial condition have been and may continue to be, materially impacted due to the decrease in patient visits and elective procedures and any future temporary cessations of elective procedures and could be further impacted by delays in payments from customers, supply chain interruptions, extended "shelter-in-place" orders or advisories, facility closures or other reasons related to the pandemic. Furthermore, the long-term impact of COVID-19 on our business will depend on many factors, including, but not limited to, the duration and severity of the pandemic, new and ongoing measures taken in response to the pandemic, the availability and effectiveness of vaccines to combat COVID-19, the impact on economic activity from the pandemic and actions taken in response and the resulting impact it has on our partners, patients and communities in which we operate, all of which continue to be uncertain. For example, there has been a decrease in patient visits to hospitals due to risk and fear of exposure to COVID-19, as well as decreases in, or temporary moratoriums on, elective procedures, which may be re-imposed in the future. In addition to lower sales, we have experienced decreased costs as a result of the pandemic including declines in travel and lower compensation related expenses. We have also implemented other various cost reduction initiatives and measures to safeguard liquidity. As of the date of issuance of these consolidated financial statements, the extent to which COVID-19 could materially impact the Company's financial conditions, liquidity or results of operations is uncertain.

To the extent COVID-19 disruptions continue to adversely impact our business, results of operations and financial condition, it may also have the effect of heightening risks relating to our ability to successfully commercialize new developed or acquired products or therapies, consolidation in the healthcare industry, intensified pricing pressure as a result of changes in the purchasing behavior of hospitals and maintenance of our numerous contractual relationships.

On March 27, 2020, the Coronavirus Aid, Relief and Economic Security Act (CARES Act) was signed into law, which was aimed at providing emergency assistance and health care for individuals, families, and businesses affected by the COVID-19 pandemic and generally supporting the U.S. economy. The CARES Act, among other things, includes provisions relating to refundable payroll tax credits, deferment of employer social security payments, net operating loss carryback periods, alternative minimum tax credit refunds, and modifications to the net interest deduction limitations. The CARES Act allowed the Company to defer \$1,889 in employer social security payroll tax payments from May 2020 through December 31, 2020. A total of 50% is deferred until December 31, 2021 and has been recorded in accrued liabilities, with the remaining balance deferred until December 31, 2022 which has been recorded in other long-term liabilities both on the consolidated balance sheet. Refer to *Note 10. Income Taxes* for further information.

As a result of the CARES Act and at the direction of the U.S. Department of Health and Human Services (HHS), the Company received a \$1,247 Provider Relief Fund Payment in April 2020. The Company determined it complied with the conditions to be able to keep and use the funds to reimburse for health care related expenses and lost revenue attributable to the public health emergency resulting from COVID-19. A second Provider Relief Fund Payment totaling \$2,854 was received in July 2020. The payments were recorded as other income on the consolidated statement of operations and comprehensive income (loss) for the year ended December 31, 2020.

#### 2. Summary of significant accounting policies

#### **Recent accounting pronouncements**

The Company has elected to comply with non-accelerated public company filer effective dates of adoption. Therefore, the required effective dates for adopting new or revised accounting standards as described below are specific to non-accelerated public company filers, which are generally earlier than when emerging growth companies are required to adopt.

#### Accounting Pronouncements Recently Adopted

The FASB issued Accounting Standards Update 2016-13, Financial Instruments-Credit Losses (ASU 2016-13), in June 2016 that significantly changes accounting for credit losses for most financial assets and certain other instruments that are not measured at fair value through net income. ASU 2016-13 requires that an entity measure and recognize expected credit losses for financial assets held at amortized cost and replaces the incurred loss impairment methodology in prior GAAP with a methodology that considers a broad range of information for the estimation of credit losses. The Company adopted ASU 2016-13 on January 1, 2020 prospectively and the adoption did not have a material impact on the Company's consolidated financial statements.

In August 2018, the FASB issued Accounting Standards Update 2018-15, Intangibles-Goodwill and Other-Internal-Use Software (ASU 2018-15), addressing a customer's accounting for implementation costs incurred in a cloud-computing arrangement (CCA) that is considered a service contract. Under ASU 2018-15, implementation costs for a CCA should be evaluated for capitalization using the same approach as implementation costs associated with internal-use software. The capitalized implementation costs should be expensed over the term of the hosting arrangement, which includes any reasonably certain renewal periods. Capitalized implementation costs should be assessed for impairment like long-lived assets. The Company adopted ASU 2018-15 on January 1, 2020 prospectively and it had no material impact on the Company's consolidated financial statements.

In August 2018, the FASB issued Accounting Standards Update 2018-13, Fair Value Measurement (ASU 2018-13), modifying the disclosure requirements on fair value measurements and eliminates the requirement to disclose the amount of and reasons for transfers between Level 1 and Level 2 of the fair value hierarchy, the policy for timing of transfers between levels and the valuation processes for Level 3 fair value measurements. ASU 2018-13 modifies certain disclosures related to investments measured at net asset value and clarifies that companies are to disclose uncertainties in measurements as of the reporting date. ASU 2018-13 requires additional disclosure related to changes in unrealized gains and losses included in other comprehensive income (loss) for recurring Level 3 fair value measurements as well as the range and weighted average, or other quantitative information that would be a more reasonable and rational method, of significant unobservable inputs used to develop Level 3 fair value measurements. The Company adopted ASU 2018-13 on January 1, 2020 and it did not have a material impact on the Company's consolidated financial statements.

# New Accounting Pronouncements Not Yet Adopted

In December 2019, the FASB issued Accounting Standards Update 2019-12, Income Taxes (ASU 2019-12), which amended the accounting for income taxes. ASU 2019-12 eliminates certain exceptions to the guidance for income taxes related to the approach for intra-period tax allocation, the methodology for calculating income taxes in an interim period and the recognition of deferred tax liabilities for outside basis differences as well as simplifying aspects of the accounting for franchise taxes and enacted changes in tax laws or rates and clarifies the accounting for transactions that result in a step-up in the tax basis of goodwill. ASU 2019-12 is effective for annual and interim periods beginning after December 15, 2020. Early adoption is permitted in interim or annual periods for which financial statements have not been made available for issuance. Entities that elect to early adopt the amendments in an interim period should reflect any adjustments as of the beginning of the annual period that includes that interim period. Certain amendments are to be applied prospectively while others are retrospective. The Company adopted ASU 2019-12 on January 1, 2021 and the Company has assessed it will not have a material impact on its consolidated financial statements.

#### Variable Interest Entity

The Company reviews each investment and collaboration agreement to determine if it has a variable interest in the entity. In assessing whether the Company has a variable interest in the entity, the value of the Company considers and makes judgments regarding the purpose and design of entity, the value of the licensed assets to the entity, the value of the entity's total assets and the significant activities of the entity. If the Company has a variable interest in the entity as a whole, the Company assesses whether or not the Company is a primary beneficiary of that variable interest entity (VIE), based on a number of factors, including: (i) which party has the power to direct the activities that most significantly affect the VIE's economic performance, (ii) the parties' contractual rights and responsibilities pursuant to the collaboration agreement, and (iii) which party has the obligation to absorb losses of or the right to receive benefits from the VIE that could be significant to the VIE. If the Company determines that it is the primary beneficiary of a VIE at the onset of the collaboration, the collaboration is treated as a business combination and the Company consolidates the financial statement of the VIE into the Company's consolidated financial statements. On a quarterly basis, the Company evaluates whether it continues to be the primary beneficiary of the consolidated VIE. If the Company determines that it is no longer the primary beneficiary of a consolidated VIE, it deconsolidates the VIE in the period the determination is made.

Assets and liabilities recorded as a result of consolidating financial results of the VIE into the Company's consolidated balance sheet do not represent additional assets that could be used to satisfy claims against the Company's general assets or liabilities for which creditors have recourse to the Company's general assets.

#### **Noncontrolling Interest**

The Company records noncontrolling interest related to the consolidated VIEs on its consolidated balance sheet. The Company records loss attributable to noncontrolling interest on its consolidated statements of operations, which reflects the VIE's net loss for the reporting period, adjusted for changes in the noncontrolling interest holders claim to net assets, including contingent milestone and royalty payments, which are evaluated each reporting period.

# Deconsolidation and discontinued operations

Upon the occurrence of certain events and on a regular basis, the Company evaluates whether it no longer has a controlling interest in its subsidiaries, including consolidated VIEs. If the Company determines it no longer has a controlling interest, the subsidiary is deconsolidated. The Company records a gain or loss on deconsolidation based on the difference on the deconsolidation date between (i) the aggregate of (a) the fair value of any consideration received, (b) the fair value of any retained noncontrolling interest in the former subsidiary and (c) the carrying amount of any noncontrolling interest in the subsidiary being deconsolidated, less (ii) the carrying amount of the former subsidiary's assets and liabilities.

The Company assesses whether a deconsolidation is required to be presented as discontinued operations in its consolidated financial statements on the deconsolidation date. This assessment is based on if the deconsolidation represents a strategic shift that has or will have a major effect on the Company's operations or financial results. If the Company determines that a deconsolidation requires presentation as a discontinued operation on the deconsolidation date, or at any point during the one-year period following such date, it will present the former subsidiary as a discontinued operation for all periods presented.

#### Effect of foreign currency

The assets and liabilities of foreign subsidiaries whose functional currency is the local currency are translated into U.S. dollars at rates of exchange in effect at the close of their month end. Equity accounts are translated at their historical rates. Revenues and expenses are translated at the exchange rate on the transaction date. Translation gains and losses are accumulated within accumulated other comprehensive income (loss) as a separate component of members' equity.

Foreign currency transaction gains and losses are included in other expense on the consolidated statements of operations and comprehensive income (loss). There were gains of \$117 for the year ended December 31, 2020, nominal losses for the year ended December 31, 2019, and losses of \$234 for the year ended December 31, 2018

#### Other comprehensive income (loss)

Comprehensive income (loss) consists of two components: net income (loss) and other comprehensive income (loss). Other comprehensive income (loss) refers to gains and losses that under U.S. GAAP are recorded as an element of members' equity and are excluded from net income (loss). The Company's other comprehensive income (loss) consists of a defined benefit plan adjustment and foreign currency translation adjustments from those subsidiaries not using the U.S. dollar as their functional currency.

#### Cash and cash equivalents

Cash equivalents consist of highly liquid investments with an original maturity of three months or less at date of purchase. The Company's cash is primarily held in financial institutions in the United States and the Netherlands. The Company maintains cash balances in the United States in excess of the federally insured limits. The Company did not have restricted cash as of December 31, 2020 and 2019.

# Derivatives

The Company uses derivative instruments to manage exposures to interest rates. Derivatives are recorded on the balance sheet at fair value at each balance sheet date and the Company does not designate whether the derivative instrument is an effective hedge. Changes in the fair values of derivative instruments are recognized in the consolidated statements of operations and comprehensive income (loss). The Company has entered, and may in the future enter, into derivative contracts related to its debt. Refer to *Note 5. Financial instruments* for further details regarding the Company's derivatives.

#### Fair value

The Company records certain assets and liabilities at fair value. Refer to *Note 7. Fair value measurements* for details regarding assets and liabilities measured at fair value. Fair value is defined as the price that would be received from selling an asset or paid to transfer a liability in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants at the measurement date. A three-level fair value hierarchy that prioritizes the inputs used to measure fair value is described below. This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. Assets and liabilities are categorized based on the lowest level that is significant to the valuation.

The three levels of inputs used to measure fair value are as follows:

- Level 1—Quoted prices in active markets for identical assets or liabilities;
- Level 2—Observable inputs other than quoted prices included within Level 1, such as quoted prices for similar assets and liabilities in active markets; quoted prices for identical or similar assets and liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data; and
- Level 3—Unobservable inputs that are supported by little or no market data. This includes certain pricing models, discounted cash flow methodologies and similar techniques that use significant unobservable inputs.

#### **Revenue recognition**

# Sale of Products

The Company derives revenue primarily from the sale of its (i) osteoarthritic, or OA, joint pain treatment and joint preservation products, which are hyaluronic acid, or HA, viscosupplementation therapies, (ii) Bone Graft Substitutes (BGS) products and (iii) a Minimally Invasive Fracture Treatment product. The Company sells product directly to healthcare institutions, patients, distributors and dealers. The Company also enters arrangements with pharmacy and health benefit managers that provide for negotiated rebates, chargebacks and discounts with respect to the purchase of the Company's products.

The Company recognizes revenue at a point in time upon transfer of control of the promised product to customers in an amount that reflects the consideration it expects to receive in exchange for those products. The Company excludes taxes collected from customers and remitted to governmental authorities from revenues.

Revenues are recorded at the transaction price, which is determined as the contracted price net of estimates of variable consideration resulting from discounts, rebates, returns, chargebacks, contractual allowances, estimated third-party payer settlements, and certain distribution and administration fees offered in our customer contracts and other indirect customer contracts relating to the sale of our products. The Company establishes reserves for the estimated variable consideration based on the amounts earned or eligible to be claimed on the related sales. Where appropriate, these estimates take into consideration a range of possible outcomes, which are probability-weighted for relevant factors such as the Company's historical experience, current contractual requirements, specific known market events and trends, industry data and forecasted customer buying and payment patterns. The amount of variable consideration is included in the transaction price only to the extent that it is probable that a significant reversal in the amount of the cumulative revenue recognized will not occur in a future period. The Company regularly reviews all reserves and updates them at the end of each reporting period as needed. There were no adjustments arising from the change in estimates of variable consideration that were significant for the years ended December 31, 2020, 2019 and 2018.

# OA Joint Pain Treatment and Joint Preservation

Revenue from customers, such as healthcare providers, distribution centers or specialty pharmacies is recognized at the point in time when control is transferred to the customer, typically upon shipment.

# Distributor chargebacks

The Company has preexisting contracts with established rates with many of the distributors' customers who require the distributors to sell our product at their established rate. The Company offers chargebacks to distributors who supply these customers with our products. The Company reduces revenue at the time of sale for the estimated future chargebacks. The Company records chargeback reserves as a reduction of accounts receivable and base the reserves on the expected value by using probability-weighted estimates of volume of purchases, inventory holdings and historical chargebacks requested for each distributor.

# Discounts and gross-to-net deductions

The Company offers retrospective discounts and gross-to-net deductions linked to the volume of purchases which may increase at negotiated thresholds within a contract-buying period. The Company reduces revenue and records the reserve as a reduction to accounts receivable for the estimated discount and rebate at the expected amount the customer will earn, based on historical buying trends and forecasted purchases.

#### **Bone Graft Substitute**

Most of the Company's BGS product sales are through consignment inventory with hospitals, where ownership remains with the Company until the hospital or ambulatory surgical center (ASC) performs a surgery and consumes the consigned inventory. The Company recognizes revenue when the surgery has been performed. Control of the product is not transferred until the customer consumes it, as the Company is able to require the return or transfer of the product to a third-party. An unconditional obligation to pay for the product does not exist until the customer consumes it.

#### **Minimally Invasive Fracture Treatment**

The Company recognizes revenue from third-party payers, such as governmental agencies, insurance companies or managed care providers, when the Company transfers control to the patient, typically when the patient has accepted the product or upon delivery. The Company records this revenue at the contracted rate, net of contractual allowances and estimated third-party payer settlements at the time of sale, or an estimated price based on historical data and other available information for non-contracted payers. The Company estimates the contractual allowances using the portfolio approach and based on probability weighting historical data and collections history within those portfolios. The portfolios determined using the portfolio approach consist of the following customer groups: government payers, commercial payers, and patients. The Company recognizes revenue from patients (self-pay and insured patients with coinsurance and deductible responsibilities) based on billed amounts giving effect to any discounts and implicit price concessions. Implicit price concessions represent differences between amounts billed and the amounts the Company expects to collect from patients, which considers historical collection experience and current market conditions.

Settlements with third-party payers for retroactive revenue adjustments due to audits, reviews or investigations are considered variable consideration and are included in the determination of the estimated transaction price using the expected amount method. These settlements are estimated based on the terms of the payment agreement with the payer, correspondence from the payer and historical settlement activity, including an assessment to ensure that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the retroactive adjustment is subsequently resolved. Estimated settlements are adjusted in future periods as adjustments become known (that is, new information becomes available), or as years are settled or are no longer subject to such audits, reviews and investigations. The Company is not aware of any claims, disputes or unsettled matters with any payer that would materially affect revenues for which the Company has not adequately provided for or disclosed in the accompanying consolidated financial statements. Refer to *Note 12. Commitments and contingencies* for further information.

#### Product returns

The Company estimates the amount of returns and reduces revenue in the period the related product revenue is recognized. The Company records a liability for expected returns based on probability-weighted historical data.

#### Accounts receivable, net

Accounts receivable, net are amounts billed and currently due from customers. The Company records the amounts due net of allowance for doubtful accounts. The Company maintains an estimated allowance for doubtful accounts to provide for receivables the Company does not expect to collect. The Company bases the allowance on an assessment of customer creditworthiness, historical payment experience, the age of outstanding receivables and other information as applicable. Collection of the consideration that the Company expects to receive typically occurs within 30 to 90 days of billing. The Company applies the practical expedient for contracts with payment terms of one year or less which does not consider the effects of the time value of money. Occasionally, the Company enters into payment agreements with patients that allow payment terms beyond one year. In those cases, the financing component is not deemed significant to the contract.

#### Contract assets

Contract assets consist of unbilled amounts resulting from estimated future royalties from an international distributor that exceeds the amount billed. Contract assets totaling \$81 and \$261 as of December 31, 2020 and 2019, are included in prepaid and other current assets on the consolidated balance sheets, respectively.

# **Contract liabilities**

Contract liabilities consist of customer advance payments and deferred revenue. Occasionally for certain international customers, the Company requires payments in advance of shipping product and recognizing revenue resulting in contract liabilities. Contract liabilities were nominal as of December 31, 2020 and 2019 and are included in accrued liabilities on the consolidated balance sheets.

#### Shipping and handling

The Company classifies amounts billed for shipping and handling as a component of net sales. The related shipping and handling fees and costs as well as other distribution costs are included in cost of sales. The Company has elected to recognize shipping and handling activities that occur after control of the related product transfers to the customer as fulfillment costs and these are included in cost of sales.

#### **Contract costs**

The Company applies the practical expedient of recognizing the incremental costs of obtaining contracts as an expense when incurred as the amortization period of the assets that the Company otherwise would have recognized is one year or less. These incremental costs include the Company's sales incentive programs for the internal sales force and third-party sales agents as the compensation is commensurate with annual sales activities. These costs are included in selling, general and administrative expense on the consolidated statements of operations and comprehensive income (loss).

#### Inventory

The Company values its inventory at the lower of cost or net realizable value and adjusts for the value of inventory that is estimated to be excess, obsolete or otherwise unmarketable. Cost is determined using the first-in, first-out (FIFO) method. Elements of cost in inventory include raw materials, direct labor, manufacturing overhead and inbound freight. The Company records allowances for excess and obsolete inventory based on historical and estimated future demand and market conditions.

#### **Business combinations**

Accounting for acquisitions requires the Company to recognize separately from goodwill assets acquired and the liabilities assumed at their acquisition date fair values. Goodwill as of the acquisition date is measured as the excess of consideration transferred over the net of the acquisition date fair values of the assets acquired and the liabilities assumed. While best estimates and assumptions are used to accurately value assets acquired and liabilities assumed at the acquisition date, as well as contingent consideration where applicable, estimates are inherently uncertain and subject to refinement. During the measurement period, which may be up to one year from the acquisition date, the Company may record adjustments to the assets acquired and liabilities assumed with a corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our consolidated statements of operations and comprehensive income (loss). Subsequent changes in the estimated fair value of contingent consideration are recognized in earnings in the period of change.

#### Long-lived assets

#### Property and equipment

Property and equipment are stated at cost less accumulated depreciation and amortization. Depreciation and amortization expense are recognized using the straight-line method over the estimated useful life of each asset, or the shorter of the lease term or useful life if related to leasehold improvements. The useful lives in years are as follows:

Computer software and hardware	3-5
Leasehold improvements	7
Machinery and equipment	7
Furniture and fixtures	7

#### Goodwill and intangible assets

Finite-lived intangible assets were initially recorded at fair value upon acquisition and are amortized using the straight-line method over their estimated useful lives in years are as follows:

	Weighted Average Useful Life
Intellectual property	17.3
Distribution rights	12.7
Customer relationships	10.0
Developed technology	8.3

Goodwill is not amortized but is evaluated for impairment annually or more frequently if events or changes in circumstances indicate that goodwill might be impaired. The Company reviews goodwill for impairment by applying a quantitative impairment analysis where the fair value of the reporting unit is compared with the carrying value, including goodwill. The Company determines the fair value of each reporting unit based on an income approach. The value of each reporting unit is determined on a stand-alone basis from the perspective of a market participant and represents the price estimated to be received in a sale of the reporting unit in an orderly transaction between market participants at the measurement date. The Company performs its annual goodwill impairment test on October 31st. If the fair value of the reporting unit is less than its carrying value, the Company will recognize the difference as an impairment loss, which is limited to the amount of goodwill allocated to the reporting units. There were no goodwill impairment charges for the years ended December 31, 2020, 2019 and 2018.

#### Software development costs

The Company capitalizes internal and external costs incurred to develop internal-use software during the application development stage for software design, configuration, coding and testing upon placing the asset in service and then amortizes these costs on a straight-line basis over the estimated useful life of the product, not to exceed three years. The Company does not capitalize costs that are precluded from capitalization in authoritative guidance, such as preliminary project phase costs, training costs or data conversion costs. Capitalized software costs totaled \$17,653 and \$14,119 as of December 31, 2020 and 2019 and the related accumulated amortization totaled \$13,264 and \$12,184, respectively. Amortization expense was \$1,184, \$1,138 and \$1,204 for the years ended December 31, 2020, 2019 and 2018, respectively.

The carrying values of property, equipment, intangible assets as well as other long-lived and indefinite lived assets are reviewed for recoverability if the facts and circumstances suggest that a potential impairment may have occurred. If this review indicates that carrying values may not be recoverable the Company will perform an assessment to determine if an impairment charge is required to reduce carrying values to estimated fair value. If quoted market prices are not available, the Company estimates fair value using an undiscounted value of estimated future cash flows. During 2018, the Company determined that it would no longer sell a specific BGS product and as a result, an intangible asset related to this product was fully written off and the Company recognized impairment charges of \$489 for the year ended December 31, 2018, which is included in the consolidated statements of operations and comprehensive income (loss). Upon retirement or sale of property and equipment, the cost of assets disposed of and the related accumulated depreciation and amortization are removed from the accounts, and any resulting gain or loss is included in income from operations.

There were no events, facts or circumstances for the years ended December 31, 2020, 2019 and 2018 that resulted in any impairment charges to the Company's property, equipment, intangible or other long-lived assets.



# Acquired in-process research and development

The fair value of in-process research and development (IPR&D) assets acquired in a business combination are capitalized and accounted for as indefinite-lived intangible assets and are not amortized until development is completed and the product is available for sale. Once the product is available for sale, the asset is transferred to developed technology and amortized over its estimated useful life. Impairment tests for IPR&D assets occur at least annually in December, or more frequently if events or changes in circumstances indicate that the asset might be impaired. If the fair value of the intangible assets is less than the carrying amount, an impairment loss is recognized for the difference. There were no events, facts or circumstances for the years ended December 31, 2020, 2019 and 2018 that resulted in any impairment charges to the Company's IPR&D.

# **Deferred Offering Costs**

Deferred offering costs, consisting of legal, accounting, filing and other fees related to the initial public offering, are capitalized. The deferred offering costs will be offset against proceeds from the initial public offering upon the effectiveness of the initial public offering. In the event the initial public offering is terminated, all capitalized deferred offering costs would be expensed. Deferred offering costs capitalized totaled \$2,187 as of December 31, 2020 and there were there were no deferred offering costs capitalized as of December 31, 2019.

#### **Concentration of risk**

The Company provides credit, in the normal course of business, to its customers. The Company does not require collateral or other securities to support customer receivables. Credit losses are provided for through allowances and have historically been materially within management's estimates.

Certain suppliers provide the Company with product that results in a significant percentage of total sales for the years ended December 31 as follows:

	2020	2019	2018
Supplier A	26 %	20 %	12 %
Supplier B	17 %	19 %	17 %
Supplier C	10 %	15 %	20 %

Accounts payable to these significant suppliers at December 31 were as follows:

	2020	2019
Supplier A	\$ 2,983	\$ 3,586
Supplier B	\$ 471	\$ 697
Supplier C	\$ 1,000	\$ 360

Certain products provide the Company with a significant percentage of total sales for the years ended December 31 as follows:

	2020	2019	2018
Product A	27 %	30 %	38 %
Product B	26 %	20 %	12 %
Product C	17 %	19 %	17 %
Product D	10 %	15 %	20 %

#### **Restructuring costs**

The Company has restructured portions of its operations and future restructuring activities are possible. Identifying and calculating the cost to exit these operations requires certain assumptions to be made, the most significant of which are anticipated future liabilities. Although estimates have been reasonably accurate in the past, significant judgment is required, and these estimates and assumptions may change as additional information becomes available and facts or circumstances change. Restructuring costs are recorded at estimated fair value. Key assumptions in determining the restructuring costs include negotiated terms and payments to terminate contractual obligations.

#### **Profits interest compensation**

The Company measures profits interest compensation cost at the grant date based on the fair value of the award and recognizes this cost as compensation expense over the required or estimated service period for awards expected to vest. Certain awards are liability-classified, which require they be remeasured at each reporting date. Compensation expense is included in Selling, general and administrative expense and Research and development expense on the consolidated statement of operations and comprehensive income (loss) based upon the classification of the employees who were granted the awards.

# Advertising costs

Advertising costs include costs incurred to promote the Company's business and are expensed as incurred. Advertising costs were \$2,769, \$2,351 and \$2,916 for the years ended December 31, 2020, 2019 and 2018, respectively.

# Research and development expense

Research and development expense consist primarily of employee compensation and related expenses as well as contract research organization services. Internal research and development costs are expensed as incurred. Research and development costs incurred by third parties are expensed as the contracted work is performed.

## **Collaborative agreements**

The Company periodically enters into strategic alliance agreements with counterparties to produce products and/or provide services to customers. Alliances created by such agreements are not legal entities, have no employees, no assets and have no true operations. These arrangements create contractual rights and we account for these alliances as a collaborative arrangement by reporting costs incurred from transactions within research and development expense in our consolidated statements of operations.

#### Contingencies

The Company records a liability in the consolidated financial statements on an undiscounted basis for loss contingencies when a loss is known or considered probable and the amount may be reasonably estimated. If the reasonable estimate of known or probable loss is a range, and no amount within the range is a better estimate than any other, the minimum amount of the range is accrued. If a loss is reasonably possible but not known or probable, and may be reasonably estimated, the estimated loss or range of loss is disclosed. Legal fees expected to be incurred in connection with a loss contingency are not included in the estimated loss contingency. The Company accrues for any legal costs as they are incurred.

#### **Income taxes**

The Company is treated as a partnership for U.S. tax purposes. Accordingly, the profits and losses are passed through to the members and included in their income tax returns. The Company has been required to make tax distributions to its members in an amount equal to 40% of the members' taxable income attributable to their ownership. The tax rate applied for purposes of this distribution may be changed only by approval of the Company's Board of Managers.

Certain wholly owned subsidiaries of the Company are taxable entities for U.S. or foreign tax purposes and file tax returns in their local jurisdictions. Income tax expense includes U.S. federal, state and international income taxes. Certain items of income and expense are not reported in income tax returns and financial statements in the same year. The income tax effects of these differences are reported as deferred income taxes. Valuation allowances are provided to reduce the related deferred tax assets to an amount which will, more likely than not, be realized.

The Company recognizes a tax benefit from any uncertain tax positions only if they are more likely than not to be sustained upon examination based on the technical merits of the position. The amount of the accrual for which an exposure exists is measured as the largest amount of benefit determined on a cumulative probability basis that the Company believes is more likely than not to be realized upon ultimate settlement of the position. Components of the reserve, if relevant, are classified as a current or noncurrent liability in the consolidated balance sheet based on when the Company expects each of the items to be settled. Interest and penalties related to unrecognized tax benefits are recognized as a component of income tax expense.

## Net income (loss) per common unit

Basic income (loss) per common unit is determined by dividing the net income (loss) allocable to common unit holders by the weighted average number of common units outstanding during the periods presented. Diluted loss per common unit is computed by dividing the net income (loss) allocable to common unit holders on an "if converted" basis by the weighted average number of actual common units outstanding and, when dilutive, the unit equivalents that would arise from the assumed conversion of convertible instruments, if any.

# Subsequent Events

The Company has considered the effects of subsequent events through March 26, 2021, the date the Company's consolidated financial statements were issued.

# 3. Balance sheet information

## Accounts receivable, net

Accounts receivable, net of allowances, consisted of the following as of December 31:

	2	020	2019
Accounts receivable	\$	92,273 \$	89,274
Less: Allowance for credit losses		(3,990)	(4,146)
	\$	88,283 \$	85,128

The Company maintains an allowance for credit losses for estimated losses resulting from the inability of its customers to make required payments. The allowance for credit losses is calculated by region and by customer type, where appropriate considering several factors including age of accounts, collection history, historical account write-offs, current economic conditions, and supportable forecasted economic expectations. Due to the short-term nature of its receivables, the estimate of expected credit losses is based on aging of the account receivable balances. The allowance is adjusted on a specific identification basis for certain accounts as well as pooling of accounts with similar characteristics. An increase in the provision for credit losses may be required when the financial condition of the Company's customers or its collection experience deteriorates. The Company has a diverse customer base with no single customer representing ten percent of sales or accounts receivable. Historically, the Company's reserves have been adequate to cover credit losses. The Company's exposure to credit losses may increase if its customers are adversely affected by changes in health care laws, coverage and reimbursement, economic pressures or uncertainty associated with local or global economic recessions, disruption associated with the COVID-19 pandemic, or other customer-specific factors. The Company considered the current and expected future economic and market conditions surrounding the COVID-19 pandemic and determined that the estimate of credit losses was not significantly impacted. Estimates are used to determine the allowance, which are based on an assessment of anticipated payment and all other historical, current and future information that is reasonably available.

Changes in credit losses were as follows for the years ended December 31:

	 2020	2019
Beginning balance	\$ (4,146)	\$ (4,497)
Provision for credit losses	(1,215)	(2,242)
Write-offs	1,787	2,949
Recoveries	 (416)	(356)
Ending balance	\$ (3,990)	\$ (4,146)

# Inventory

Inventory consisted of the following as of December 31:

	2020	2019
Raw materials and supplies	\$ 3,665	\$ 3,349
Finished goods	26,323	24,509
Gross	29,988	27,858
Excess and obsolete reserves	 (868)	(532)
	\$ 29,120	\$ 27,326

Changes in excess and obsolete reserves for inventory were as follows for the years ended December 31:

	2020	2019	
Balance, beginning of period	\$ (532)	\$	(570)
Provision for losses	(904)		(870)
Write-offs	568		908
	\$ (868)	\$	(532)



# Property and equipment, net

Property and equipment consisted of the following as of December 31:

	 2020	 2019
Computer equipment and software	\$ 20,547	\$ 16,854
Leasehold improvements	3,126	2,918
Furniture and fixtures	1,474	1,451
Machinery and equipment	1,234	1,138
Assets not yet placed in service	 819	370
	27,200	22,731
Less accumulated depreciation	(20,321)	(18,242)
	\$ 6,879	\$ 4,489

Depreciation expense was \$2,106, \$2,579 and \$3,439 for the years ended December 31, 2020, 2019 and 2018, respectively.

# Goodwill and intangible assets, net

There were no changes to goodwill during the years ended December 31, 2020 and 2019. Following is a summary of goodwill by reportable segment:

	U.S. International		Consolidated			
Balance at December 31, 2020 and 2019	\$	41,040	\$	8,760	\$	49,800
			_			

Intangible assets consisted of the following as of December 31:

	2020	2019
Intellectual property	\$ 263,422	\$ 263,422
Distribution rights	60,700	59,700
Customer relationships	57,700	57,700
IPR&D	1,445	11,095
Developed technology and other	13,999	4,649
Total carrying amount	 397,266	 396,566
Less accumulated amortization:		
Intellectual property	(117,281)	(100,982)
Distribution rights	(34,461)	(28,716)
Customer relationships	(51,247)	(46,407)
Developed technology and other	(3,786)	(3,404)
Total accumulated amortization	 (206,775)	(179,509)
Intangible assets, net before currency translation	 190,491	 217,057
Currency translation	1,159	(547)
	\$ 191,650	\$ 216,510

The Company filed a 510(k) in 2019 and began commercializing a next-generation surgical product in the third quarter of 2020. As a result, \$9,650 of IPR&D was reclassified to developed technology and will be amortized over 10 years. On December 22, 2020, the Company entered into an amended and restated distribution agreement with the sole supplier of the Company's five injection OA product. This agreement provided non-exclusive U.S. market distribution rights until December 31, 2028. The amended and restated distribution agreement created a \$1,000 distribution right that will be amortized over 8 years, which was capitalized as an intangible asset and included in accrued liabilities on the consolidated balance sheets as of December 31, 2020.

Amortization expense related to intangible assets was \$27,565, \$26,252 and \$26,622 for the years ended December 31, 2020, 2019 and 2018 of which \$7,455, \$6,416 and \$7,766 are included in ending inventory at December 31, 2020, 2019 and 2018, respectively. Estimated amortization expense for the years ended December 31, 2021 through 2025 is expected to be \$28,262, \$23,910, \$22,297, \$22,297 and \$21,259, respectively.

# **Accrued liabilities**

Accrued liabilities consisted of the following at December 31:

	2020	2019
Gross-to-net deductions	\$ 43,656	\$ 14,622
Bonus and commission	15,188	14,200
Reserve for estimated overpayments from third-party payers	2,790	6,801
Compensation and benefits	5,875	3,231
Income and other taxes	2,434	2,555
Other liabilities	18,244	11,418
	\$ 88,187	\$ 52,827

#### 4. Business combinations and investments

#### VIE

On August 23, 2019, the Company purchased 285,714 shares of Harbor's Series C Preferred Stock or 3.1% of fully diluted shares for \$1,000. The Company and Harbor entered into an exclusive collaboration agreement for purposes of developing a product for orthopedic uses to be commercialized by the Company and supplied by Harbor. As a result of these transactions, the Company determined that it had a variable interest in Harbor.

The Company accounted for the Harbor investment as a business combination using the acquisition method of accounting whereby the total purchase price was allocated to tangible and intangible assets acquired and liabilities assumed based on respective fair values. The results of Harbor operations have been included in the accompanying consolidated financial statements subsequent to acquisition date. The Company did not disclose post-acquisition or pro forma losses attributable to Harbor as they did not have a material effect on the Company's consolidated statements of operations and comprehensive income (loss).

The following table summarizes the fair values of the assets acquired and liabilities assumed at the acquisition date:

Cash and cash equivalents	\$ 1,430
Intellectual property (10-year useful life)	4,834
IPR&D	1,445
Other assets	70
Accounts payable and accrued liabilities	(932)
Other current liabilities	(1,696)
Other long-term liabilities	(697)
Deferred income tax	(266)
Estimated fair value of net assets acquired	 4,188
Bioventus purchase price	1,000
Fair value of Harbor's noncontrolling interest	 3,188
	\$ 

On March 27, 2020 two convertible promissory notes to Harbor shareholders totaling \$500 were converted into 142,858 of Harbor Series C Preferred Stock and warrants for 428,572 shares of the Harbor common stock exercisable at a price of \$1.167 per share with a 5-year exercise period expiring March 27, 2025. Promissory notes of \$320 owed to a certain Harbor shareholder were converted into 92,500 of Harbor Series C Preferred Stock at \$3.50 per share in November 2020. On October 5, 2020, the Company purchased an additional 285,714 shares of Harbor's Series C Preferred Stock for \$1,000. The Company continues to conclude that it is the primary beneficiary since it controls the significant activities of Harbor through the collaboration agreement. The noncontrolling interest related to Harbor was 91.2% as of December 31, 2020.

The fair value of the Harbor intellectual property and IPR&D was determined using the income approach through an excess earnings analysis, with projected earnings discounted at a rate of 16.5%. The \$1,445 of IPR&D consists of research and development progress toward developing a product for orthopedic uses. The fair value of the noncontrolling interest was calculated as estimated fair value of net assets acquired less the Company's purchase price.

Harbor assets that can only be used to settle Harbor obligations and Harbor liabilities for which creditors do not have recourse to the general credit of the Company are as follows for the years ended December 31:

2020		2019
\$ 803	\$	1,127
173		60
5,635		6,122
178		231
 74		59
\$ 6,863	\$	7,599
\$ 366	\$	458
2,004		2,395
—		215
 659		872
\$ 3,029	\$	3,940
\$ <u>\$</u> \$ <u>\$</u>	\$ 803 173 5,635 178 74 \$ 6,863 \$ 366 2,004 — 659	\$       803       \$         173       173         5,635       178         74       74         \$       6,863       \$         \$       366       \$         2,004        659

Nearly all the liabilities assumed are payable to Harbor shareholders. As of December 31, 2019, other current liabilities primarily consisted of \$1,845 in promissory notes to various Harbor shareholders and were scheduled to mature on August 31, 2020. These promissory notes were refinanced with additional borrowings in August 2020 and total \$1,811 as of December 31, 2020. The Harbor promissory notes carry an 8% interest rate and are due on August 31, 2021 with payments due monthly.

# Equity Method

Investments in which the Company can exercise significance influence, but do not control, are recorded under the equity method of accounting and are included in investments and other assets on the consolidated balance sheets. The Company's share of net earnings or losses is included in other (income) loss within the consolidated statements of operations and comprehensive income (loss) on a quarter lag. The Company evaluates investments for impairment whenever events or changes in circumstances indicate that the carrying amounts of such investments may be impaired. Impairment losses are recorded within earnings within the current period.

On January 30, 2018, the Company purchased 337,397 shares of CartiHeal, a privately held entity, Series F Convertible Preferred Stock or 2.8% of fully diluted shares for \$2,500 in cash. The investment does not have a readily determinable fair value. On January 22, 2020, the Company made an additional investment in CartiHeal, through a Simple Agreement for Future Equity (SAFE) by paying cash of \$152. On July 15, 2020, CartiHeal completed an equity financing that the Company participated in and as a result, the Company received 12,825 in Series G-1 Preferred Shares and the SAFE terminated.

In addition, on July 15, 2020, the Company entered into an Option and Equity Purchase Agreement with CartiHeal. Under the terms of the agreement, the Company purchased 1,014,267 shares of CartiHeal Series G Preferred Shares for \$15,000. As a result, the Company's equity ownership in CartiHeal increased to 10.03% of its fully diluted shares. The CartiHeal investment, included capitalized transaction costs of \$1,427 and the \$152 investment in January 2020, totaling \$16,579 was recorded as an equity method investment beginning in July 2020, as the Company can exercise significant influence over CartiHeal but does not have control. It is included within investments and other assets on the consolidated balance sheet. The CartiHeal investment carrying value is \$18,689 as of December 31, 2020, after recording net losses of \$467 incurred during 2020.

The Company will, if needed, purchase an additional 338,089 of CartiHeal Series G Preferred Shares for \$5,000, for the completion of a certain study. The Company has an exclusive option to acquire the remaining equity in CartiHeal, which may be exercised at any time up to and within 45 days following notice of the U.S. Food and Drug Administration (FDA) approval for a CartiHeal product currently in development. In addition, upon the same FDA approval, CartiHeal may exercise an option within 45 days that requires the Company to complete the acquisition of the remaining equity in CartiHeal.

# 5. Financial instruments

# 2019 Credit Agreement

On December 6, 2019, the Company entered into a \$250,000 credit and guaranty agreement (2019 Credit Agreement) with Wells Fargo Bank National Association (Wells), as well as a syndicate of other banks, or Lenders. The 2019 Credit Agreement is comprised of a \$200,000 term loan (Term Loan), with an original issue discount (OID) of \$666, and a \$50,000 revolving facility (Revolver). All obligations under the 2019 Credit Agreement are guaranteed by the Company and certain of the Company's wholly owned subsidiaries. Substantially all the assets of the Company collateralize the obligations under the 2019 Credit Agreement. The Term Loan and Revolver mature on December 6, 2024 (Maturity).

## Term Loan

As of December 31, 2020, \$188,378 was outstanding on the Term Loan, net of original issue discount of \$524 and deferred financing costs of \$1,098. As of December 31, 2020, the Term Loan interest rate including a margin of 2.25% was 2.40%. Scheduled quarterly principal payments are as follows with the final payment of \$125,000 at Maturity:

	Quarterly payment
2021 and 2022	\$ 3,750
2023 and 2024	\$ 5,000

The Company may voluntarily prepay the Term Loan without premium or penalty upon prior notice. The Company may be required to make additional principal payments on the Term Loan dependent upon the generation of certain cash flow events as defined in the 2019 Credit Agreement. These additional prepayments will be applied to the scheduled installments of principal in direct order of maturity of the Base Rate (BR) portions of the Term Loan first and then the Eurodollar portions of the Term Loan.

The estimated fair value of the Term Loan as of December 31, 2020 was \$189,534. The fair value of these obligations was determined using a discounted cash flow model based on current market interest rates available to the Company. These inputs are corroborated by observable market data for similar obligations and are classified as Level 2 instruments within the fair value hierarchy.

#### Revolver

The Revolver is a five-year revolving credit facility of \$50,000 which includes revolving and swingline loans as well as letters of credit (LOC) and, inclusive of all, cannot exceed \$50,000 at any one time. LOCs are available in an amount not to exceed \$7,500. Revolving loans are due at the earlier of termination or Maturity. Swingline loans are available as BR interest rate option loans only and must be outstanding for at least five days. Swingline loans are due the fifteenth or last day of a calendar month or Maturity whichever is earlier. The Company had increased its cash position by borrowing \$49,000 on its Revolver as a precautionary measure to preserve financial flexibility in view of the current uncertainty resulting from the COVID-19 pandemic during the first quarter of 2020. The \$49,000 was repaid during the third quarter of 2020. As of December 31, 2020, there was one nominal LOC outstanding leaving approximately \$49,912 available.

#### Interest

The Term Loan and Revolver permits the Company to elect either Eurodollar or BR interest rate options for the entire amount or certain portions of the loans and have interest rates equal to a formula driven base interest rate plus a margin, tied to a leverage ratio. The leverage ratio is the ratio of debt to consolidated EBITDA as defined in the 2019 Credit Agreement, or Bank EBITDA, for four consecutive quarters at the end of each period.

BR portions of the Term Loan have interest due the last day of each calendar quarter-end. Eurodollar portions of the Term Loan have one, two, three or six-month interest reset periods and interest is due on the last day of each three-month period or the last day of the loan term if less than three months. In advance of the last day of the current Eurodollar Loan, the Company may select a new loan type so long as it does not extend beyond Maturity. The outstanding Term Loan has been a Eurodollar Loan since inception and is an auto-renewing one-month loan for setting an interest rate. In addition, the Term Loan has an interest due date concurrent with any scheduled principal repayment or prepayment.

Interest is calculated based on a 360-day year except for BR loans where the base interest is the Wells Prime Rate, in which case it is calculated based on a calendar-day year. The base interest rate for all BR loans is equal to the highest of (a) the Wells Prime Rate, (b) the greater of the Federal Funds Effective Rate or Overnight Bank Funding Rate plus 1/2% and (c) the Eurodollar Rate for a USD deposit with a maturity of one month plus 1.0%. The base interest rate for all Eurodollar Loans is equal to the rate determined for such day in accordance with the following formula with the Term Loan having a floor of 0%:

#### LIBOR

#### 1-Eurocurrency Reserve Requirements

Pricing grids are used to determine the loan margins based on the type of loan and the leverage ratio. The initial Eurodollar and BR loans had a margin of 2.25% and 1.25%, respectively. Loan margin is adjusted after the quarterly financial statements are delivered to the lenders in accordance with the pricing grid below:

Leverage ratio	Eurodollar	BR
> 2.50 to 1.00	2.50 %	1.50 %
>1.50 to 1.00 and < 2.50 to 1.00	2.25 %	1.25 %
> 1.25 to 1.00 and <1.50 to 1.00	1.75 %	0.75 %
> 0.75 to 1.00 and <1.25 to 1.00	1.50 %	0.50 %
< 0.75 to 1.00	1.25 %	0.25 %

The Revolver includes a commitment fee at 0.25% of the average daily amount of the available revolving commitment, assuming any swingline loans outstanding are \$0. There were no swingline loans outstanding as of December 31, 2020. The fee is payable quarterly in arrears on the last day of the calendar quarters and at Maturity. The commitment fee rate is adjusted after the quarterly financial statements are delivered to lenders based on the pricing grid below:

	mmitment fee rate
> 2.50 to 1.00	0.30 %
>1.50 to 1.00 and < 2.50 to 1.00	0.25 %
> 1.25 to 1.00 and <1.50 to 1.00	0.20 %
> 0.75 to 1.00 and <1.25 to 1.00	0.15 %
< 0.75 to 1.00	0.10 %

Fees are charged on all outstanding LOCs at an annual rate equal to the margin in effect on Eurodollar revolving loans. A fronting fee of 0.125% per year on the undrawn and unexpired amount of each LOC is payable as well. The fees are payable quarterly in arrears on the last day of the calendar quarters.

As of December 31, 2020, the Company's effective weighted average interest rate on all outstanding debt, including the commitment fee and interest rate swap, was 2.72%.

Other

The 2019 Credit Agreement contains customary affirmative and negative covenants, including those related to financial reporting and notification, restrictions on the declaration or payment of certain distributions on or in respect of the Company's equity interests, restrictions on acquisitions, investments and certain other payments, limitations on the incurrence of new indebtedness, limitations on transfers, sales and other dispositions of Company assets, as well as limitations on making changes to the Company's business and organizational documents. Financial covenant requirements include a maximum debt leverage ratio as well as an interest coverage ratio not less than 3.00 to 1.00 as defined in the 2019 Credit Agreement. As of December 31, 2020, the Company complied with the financial covenants in the 2019 Credit Agreement.

Each Lender may provide an additional Term or Revolving Loan by executing and delivering notice specifying the terms, if doing so would not cause certain undesired events to occur as defined in the 2019 Credit Agreement or extend repayment beyond Maturity. The aggregate amount of all additional borrowings may not exceed the greater of \$100,000 and the trailing four quarters Bank EBITDA without the consent of the Lenders holding more than 50% of the total outstanding debt under the 2019 Credit Agreement.

#### **Financing costs**

During December 2019, the Company paid financing costs totaling \$2,117 in order to refinance our prior term loan facility, that was repaid in full (Prior Credit Agreement). The Company recorded \$269 directly to selling, general and administrative expense and the remaining \$1,848 was capitalized to the consolidated balance sheet. One lender participating in the Prior Credit Agreement became a lender in the 2019 Credit Agreement and, as a result, \$2,985 related to the Prior Credit Agreement was written off and recorded as interest expense. The \$269 recorded in selling, general and administrative expense and the \$2,985 recorded in interest expense total the \$3,252 of loss on debt retirement and modification.

Total capitalized deferred fees for the Term Loan of \$1,398 and Revolver of \$653 are being amortized to interest expense on a straight-line basis over each of the respective lives, which approximates the effective interest method. The Company recorded \$543, \$711 and \$745 in interest expense associated with these deferred costs for the years ended December 31, 2020, 2019 and 2018, respectively.

Contractual maturities of long-term debt as of December 31, 2020, were as follows:

2021	\$ 15,000
2022	15,000
2023	20,000
2024	140,000
2025 and thereafter	
Deferred financing costs	(1,098)
Original issue discount	(524)
Total long-term debt	 188,378
Less current portion	(15,000)
Total	\$ 173,378

The Company enters into interest rate swap agreements to limit its exposure to changes in the variable interest rate on its long-term debt. On March 26, 2020, the Company entered an interest rate swap agreement with one of its Lenders, which expires in December 2024. The interest rate swap was not designated as a hedge. The Company has no other active derivatives and the swap is carried at fair value on the balance sheet. Refer to *Note 7. Fair value measurements* for further details regarding the Company's interest rate swap. There were no outstanding derivatives as of December 31, 2019. Interest expense of \$1,599 was recorded within the consolidated statements of operations and comprehensive income (loss) related to the change in fair value of the swap for the year ended December 31, 2020.

The notional value of the swap totaled \$100,000 or 52.6%, of the Term Loan outstanding principal at December 31, 2020. The swap locked in the variable portion of the interest rate on the \$100,000 notional at 0.64%, with a stated fixed rate of 2.25%. The effective interest rate of the swap was 2.89% as of December 31, 2020.

# 6. Members' equity

Members' equity consisted of the following at December 31:

	2020	2019
Preferred	\$ 168,000	\$ 168,000
Common	113,373	113,373
Profits interest and other equity awards (Refer to Note 9. Equity-based compensation)	 3,800	 3,774
	\$ 285,173	\$ 285,147

The authorized number of common and preferred units were unlimited. On May 4, 2012, 4,900,000 common units and 5,100,000 preferred units (2012 Preferred Units) were issued. During November 2015, the Company obtained a \$50,000 capital contribution from its existing members and 1,490,000 in preferred units were issued (2015 Preferred Units). The common and preferred members have stated rights and privileges, which include, but are not limited to: (1) voting and Company governance, (2) the transfer of membership interests and (3) dissolution and liquidation of the Company.

Each preferred unit carried a priority payout (Liquidation Preference), as defined in the Company's limited liability company agreement in effect at December 31, 2020. The initial Liquidation Preference for the 2012 and 2015 Preferred Units were \$23.14 and \$33.57, respectively. The preferred units accrued a distribution right at a rate of 3% per annum and was added annually to the Liquidation Preference. On February 11, 2021, the common and preferred units, including the preferred distribution rights, were converted into Common LLC Interests as discussed in *Note 1. Organization and basis of presentation of financial information* and no further distribution rights accrued.

The Continuing LLC Owner owned the only Equity Participation Right Unit (EPR Unit). The EPR Unit was junior to the common units and its only entitlement was 0.55% of available distributions arising from the closing of a sale of units representing a percentage interest of more than 66.66%, or the sale of all or substantially all of the assets of the Company, provided such event constitutes a change of control (Distribution Event) as described in *Note 7. Fair value measurements*. In February 2021, the EPR Unit was redeemed in exchange for \$3,327 in connection with the IPO at which time the EPR ceased to exist and all entitlements ended. Refer to *Note 17. Subsequent events* for further details regarding the impact of the IPO on members' equity.

#### 7. Fair value measurements

As of December 31, 2020, there were no assets measured at fair value and there were no liabilities measured at fair value using Level 1 inputs. The following table provides information for liabilities measured at fair value on a recurring basis using Level 2 and Level 3 inputs.

		December 31, 201						
	 Total	Level 2	evel 2 Level 3			Level 3		Level 3
Interest rate swap	\$ 1,602	\$ 1,602	\$		\$			
Management incentive plan and liability-classified awards	40,303	_		40,303		40,802		
Equity Participation Rights	6,101	_		6,101		5,457		
Total liabilities	\$ 48,006	\$ 1,602	\$	46,404	\$	46,259		

# Interest rate swap

The Company values interest rate swaps using discounted cash flows. Forward curves and volatility levels are used to estimate future cash flows that are not certain. These are determined using observable market inputs when available and based on estimates when not available. The fair value of the swap was recorded in the Company's consolidated balance sheets within accrued liabilities. Changes in fair value are recognized as interest expense within the consolidated statements of operations and comprehensive income (loss).

# Management incentive plan and liability-classified awards

Prior to the IPO, the Company had operated two-equity-based compensation plans, the Management Incentive Plan (MIP) and the Phantom Profits Interest Plan (Phantom Plan). The estimated fair value reflects assumptions made by management as of December 31, 2020, including the impact of COVID-19 on significant unobservable assumptions, such as the expected timing and volume of elective procedures and the impact of these procedures on future revenues which impact the equity value. However, the actual amount ultimately paid could be higher or lower than the fair value. The Company has classified \$11,054 as accrued equity-based compensation, less current portion as of December 31, 2020. Any changes in fair value are recorded as an operating expense and included within selling, general administrative expense and research and development expense on the consolidated statement of operations and comprehensive income (loss) based upon the classification of the employee.

The following table provides a reconciliation of the beginning and ending balances for the MIP and liability-classified awards at fair value using significant unobservable inputs or Level 3:

Balance at December 31, 2018	\$ 33,063
Initial estimate (vesting)	5,464
Forfeitures	(1,013)
Change in fair value	6,290
Payment	(3,002)
Balance at December 31, 2019	 40,802
Initial estimate (vesting)	4,734
Forfeitures	(1,298)
Change in fair value	6,641
Payment	(10,576)
Balance at December 31, 2020	\$ 40,303

In June 2020, the sole MIP awardee exercised the right to force a cash settlement for 150,252 of the 333,330 vested units resulting in a payment of \$6,329. The remaining 183,078 units were settled for \$10,802 in February 2021.

# EPR Unit

Prior to the IPO, after which the EPR ceased to exist and all entitlements ended, the Continuing LLC owners owned the only EPR Unit and its only entitlement was 0.55% of available distributions arising from a Distribution Event. The estimated fair value reflects assumptions made by management as of December 31, 2020, including potential payment scenarios discounted at rates reflective of the risks associated with the expected future cash flows. The fair value of the EPR Unit was recorded in the Company's consolidated balance sheets as other long-term liabilities. The revaluation for the EPR liability is recognized in interest expense on the consolidated statements of operations and comprehensive income (loss).

The following table provides a reconciliation of the beginning and ending balances for the EPR Unit at fair value using significant unobservable inputs Level 3:

Balance at December 31, 2018	\$ 4,892
Change in fair value	 565
Balance at December 31, 2019	5,457
Change in fair value	 644
Balance at December 31, 2020	\$ 6,101

The Company estimated the fair value of the Plans and EPR Unit using a Monte Carlo simulation. This fair value measurement is based on significant inputs that are unobservable in the market, and thus represents a Level 3 measurement. The key assumptions used in applying the valuation model include the Company's equity value, the expected timing until a liquidity event, applicable discount rates applied, and equity volatility. In addition, for the EPR Unit, the estimated accrued preferred distribution at the liquidity event date totaling \$43,854 as of December 31, 2020 as it is senior in order of payment. Significant changes in these assumptions could result in a significantly higher or lower fair value.

The following table provides a range of key assumptions used within the valuation of the awards as of December 31, 2020:

Valuation technique	Unobservable inputs	Range	Weighted Average
Option pricing approach	Time to liquidity event	0.4	0.4
	Risk free rate	0.10%	0.10%
	Equality volatility	35.13% - 101.25%	50.0%
	Equity value	\$1,065,000 - \$1,240,000	\$1,145,000
	Lack of marketability discount	7.0%	7.0%

#### 8. Restructuring costs

Restructuring costs are not allocated to the Company's reportable segments as they are not part of the segment performance measures regularly reviewed by management. These charges are included in restructuring expenses in the consolidated statement of operations and comprehensive income (loss).

In the fourth quarter of 2020 and 2018, the Company adopted restructuring plans to improve the performance of International operations, principally through headcount reduction and closing offices in certain countries as the Company shifts to an indirect distribution model in these countries. The plans were completed in 2020 and 2019, respectively, and the Company recorded total pre-tax charges of \$563, \$575 and \$1,373 primarily related to severance for the years ended December 31, 2020, 2019 and 2018, respectively. The Company's costs totaled \$563 for the 2020 plan and \$1,948 for the 2018 plan.

The Company's restructuring charges and payments for all plans are comprised of the following:

	seve te	mployee erance and mporary bor costs	Other charges	Total
Balance at December 31, 2018	\$	997	\$ 206	\$ 1,203
Expenses incurred		491	84	575
Payments made		(1,488)	(290)	(1,778)
Balance at December 31, 2019		_	 _	 _
Expenses incurred		408	155	563
Payments made		(242)	(74)	(316)
Balance at December 31, 2020	\$	166	\$ 81	\$ 247

#### 9. Equity-based compensation

#### Equity-based compensation plans

The Company operated two equity-based compensation plans, the MIP and the Phantom Plan (the Plans) prior to the IPO. The awards granted under both plans represented a non-managing, non-voting interest in the Company designed for grantees to share in the future appreciation of the value of the Company. Awards granted under the MIP Plan and the 2015 Phantom Units are liability-classified and the 2012 Phantom Units are equity-classified. On February 11, 2021, in conjunction with the IPO, the Plans were terminated and there were no further awards, under the Plans. As a result, the New LLC Owner assumed the obligations of the Company's Phantom Plan awards on February 10, 2021.

The awards granted under the MIP fully vested at December 2, 2017. There were no MIP awards granted for the years ended December 31, 2020, 2019 and 2018. In June 2020, the sole MIP awardee exercised the right to force a cash settlement for 150,252 of the 333,330 vested units resulting in a payment of \$6,329. As of December 31, 2020 and 2019, respectively, there were 183,078 and 333,330 vested awards outstanding both with a grant date fair value of \$4.89.

Profits interest compensation of \$10,103, \$10,844 and \$14,325 for all plans, was recognized for the years ended December 31, 2020, 2019 and 2018 respectively. The expense is included in selling, general and administrative expense and research and development expense on the consolidated statement of operations and comprehensive income (loss) based upon the classification of the employee. As of December 31, 2020, there was approximately \$9,741 of unrecognized compensation expense to be recognized over a weighted-average period of 1.3 years.

A summary of the award activity of the Phantom Plan for the year ended December 31, 2020 is as follows (number of awards in thousands):

	2012 Pha	Units	2015 Phantom Units				
(awards in thousands)	Number of awards		Weighted average grant-date fair value	Number of awards		Weighted average grant-date fair value	
Outstanding at December 31, 2019	658	\$	5.72	1,139	\$	10.24	
Granted	—	\$	—	553	\$	10.29	
Converted to cash	_	\$	—	(146)	\$	6.45	
Forfeited	—	\$	—	(124)	\$	12.98	
Outstanding at December 31, 2020	658	\$	5.72	1,422	\$	10.41	
Awards vested at December 31, 2020	658	\$	5.72	495	\$	8.15	

There were no 2012 Phantom Unit awards granted in 2019. The weighted average grant date fair value per Other Phantom Unit awards granted in the year ended December 31, 2019 was \$15.31.

	2012 Pha	Units	2015 Phantom Units					
(awards in thousands)	Number of awards			Number of awards	W	Veighted average grant- date fair value		
Nonvested at December 31, 2019	2	\$	10.01	667	\$	12.71		
Vested during 2020	2	\$	10.01	147	\$	10.81		
Nonvested at December 31, 2020	—	\$	—	927	\$	11.62		

The total fair value of 2012 Phantom Unit awards vested in the year ended December 31, 2020 was nominal. The total fair value of Other Phantom Unit awards vested in the year ended December 31, 2020 was \$4,703.

# Defined contribution plans

The Company has various defined contribution plans or plans that share profit which are offered in Canada, Germany, the Netherlands and the United Kingdom. These plans are required by local laws or regulations in some cases. Contributions are primarily discretionary, except in some countries where contributions are contractually required. These plans cover substantially all eligible employees in the countries where the plans are offered either voluntarily or statutorily.

In the U.S., the Company provides a 401(k) defined contribution plan (U.S. Plan) that covers substantially all U.S. employees that meet minimum age requirements. The Company matches 50% of the employees' contribution up to 6% of the employees' wages. The Company also contributes 4.5% of the employees' wages to the U.S. Plan. The 4.5% Company contribution was suspended in May 2020 due to the COVID-19 crisis and reinstated in late December 2020.

For the years ended December 31, 2020, 2019 and 2018, Company contributions totaled \$3,379, \$5,401 and \$5,462 respectively, for all global plans. The expense is included in cost of sales, selling, general and administrative expense and research and development expense on the consolidated statement of operations and comprehensive income (loss) based upon the classification of the employee.

#### 10. Income taxes

The components of net income from continuing operations before taxes for the years ended December 31 are as follows:

	2020		2019		2018
Taxable subsidiaries:					
Domestic	\$	306	\$	2,679	\$ 2,925
Foreign		387		2,967	 (1,393)
		693		5,646	 1,532
Other domestic subsidiaries		15,221		4,043	4,575
Income from continuing operations before income taxes	\$	15,914	\$	9,689	\$ 6,107

	2020	2019	2018
Federal income taxes:			
Current	\$ 782	\$ 932	\$ 891
Deferred	(508)	(345)	(294)
Foreign income taxes:			
Current	707	815	472
Deferred	—	_	180
State income taxes:			
Current	214	177	380
Deferred	(3)	(3)	(1)
Change in tax rates - deferred	—	_	36
Income tax expense	\$ 1,192	\$ 1,576	\$ 1,664

The differences between the effective income tax rate and the federal statutory income tax rates for the years ended December 31 by taxable and other subsidiaries are as follows:

	2020	2019	2018
U.S. statutory federal corporate income tax rate	21.0 %	21.0 %	21.0 %
LLC flow-through structure	(20.1)	(8.8)	(15.7)
State and local income taxes, net of federal benefit	1.5	2.4	7.3
Foreign rate differential	1.2	1.7	11.5
Provision to return adjustment	3.9		3.1
Effective income tax rate	7.5 %	16.3 %	27.2 %

The Company's effective tax rate differs from statutory rates primarily due to Bioventus LLC's pass-through structure for U.S. income tax purposes while being treated as taxable in certain states and various foreign jurisdictions as well as for certain subsidiaries. In addition, certain states assess income taxes on pass-through structures.

Deferred tax assets and liabilities are determined based on the difference between financial statement and tax bases using enacted tax rates in effect for the year in which the differences are expected to reverse. The components of the deferred taxes were as follows:

	2020		2019	
Deferred tax assets:				
Net operating losses	\$	3,874	\$	3,530
Tax credit carryforwards and other		696		390
Gross deferred tax assets		4,570		3,920
Valuation allowance		(2,993)		(2,423)
Total deferred tax assets		1,577		1,497
Deferred tax liability:				
Acquired intangible		4,939		5,371
Net deferred tax liability	\$	3,362	\$	3,874

The Company assesses the need for a valuation allowance against our deferred tax assets. A valuation allowance of \$2,822, has been applied to all of Harbor's deferred tax assets. The Company also has a valuation allowance of \$171 representing the entire balance of deferred tax assets relating to our international operations. These valuation allowances were recorded as the Company believes it is more-likely-than-not that it will receive future benefit. At December 31, 2020, the Company had federal and state net operating loss carryforwards related to Harbor of \$25,537 expiring at various dates from 2021 through 2037 and approximately \$2,141 with no expiration date.

The Company evaluates its tax positions in accordance with the recognition and measurement provisions of ASC 740-10 ("FIN 48") and in accordance with that guidance, has determined that a reserve for any significant uncertain tax positions is not needed as of December 31, 2020 and 2019.

Under current tax law, the utilization of tax attributes will be restricted if an ownership change, as defined, were to occur. Section 382 of the U.S. Internal Revenue Code of 1986, as amended, or the Internal Revenue Code, provides, in general, that if an "ownership change" occurs with respect to a corporation with net operating and other loss carryforwards, such carryforwards will be available to offset taxable income in each taxable year after the ownership change only up to the "Section 382 Limitation" for each year. The Company's ability to use its loss carryforwards will be limited in the event of an ownership change.

During the year ended December 31, 2018, Dutch income taxes were imposed on a negotiated percentage of sales. The Company has an agreement with the Dutch taxing authorities where the Company's Netherlands subsidiary will incur but not have to pay income taxes in years when the subsidiary is operating at a loss.

Minimal tax related interest and penalties were incurred for the years ended December 31, 2020 and 2019. The Company is subject to audit by various taxing jurisdictions for the years 2015 through 2020.

## 11. Related-party transactions

The Company made cash tax distributions of \$19,886, \$9,137 and \$7,846 to its members in an amount equal to approximately 40% of the members' estimated taxable income for the years ended December 31, 2020, 2019 and 2018, respectively. At December 31, 2020 and December 31, 2019, there were tax distributions payable to tax authorities on the members' behalf totaling \$541 and \$473, respectively, and nominal tax distributions payable to the members.

#### 12. Commitments and contingencies

#### Leases

The Company leases its office facilities as well as other property, vehicles and equipment under operating leases. The Company also leases certain office equipment under finance leases. The remaining lease terms range from 3 months to 8 years.

The components of lease cost were as follows:

	2020		2019	
Operating lease cost	\$	2,610	\$	2,529
Short-term lease cost*		388		358
Total lease cost	\$	2,998	\$	2,887
	-		-	

\*Includes variable lease cost and sublease income, which are immaterial.

Supplemental cash flow information and non-cash activity related to leases were as follow:

	2020		2019	
Cash paid for amounts included in the measurement of operating lease liabilities:	\$	2,567	\$	2,343
Right-of-use assets obtained in exchange for operating lease obligations:	\$	1,497	\$	5,016

Current and noncurrent operating and finance lease liabilities are included in other current liabilities and other long-term liabilities, respectively, on the consolidated balance sheet. Other balance sheet information related to leases are as follows:

	2020	2019	
Operating lease assets	\$ 14,961	\$	15,267
Operating lease liabilities—current	\$ 1,960	\$	1,814
Operating lease liabilities—noncurrent	14,108		14,513
Total operating lease liabilities	\$ 16,068	\$	16,327
Weighted average remaining operating lease term in years	 7.2		8.0
Weighted average discount rate for operating leases	5.0 %		5.0 %

#### Maturities of lease liabilities as of December 31, 2020 were as follows:

	Operating leases	
2021	\$	2,714
2022		2,645
2023		2,460
2024		2,476
2025		2,569
Thereafter		6,281
Total future lease payments		19,145
Less imputed interest		(3,077)
Present value of future lease payments	\$	16,068

# **OIG's Provider Self-Disclosure**

The Company identified non-compliance with certain U.S. federal statutes and requirements governing the Medicare program in 2018 related to improper completion of Certificate for Medical Necessity (CMN) forms and in November 2018 made a voluntary self-disclosure to the Office of Inspector General of the U.S. Department of Health and Human Services (OIG) pursuant to the OIG's Provider Self-Disclosure Protocol related to this matter. After settlement discussions with the Office of the United States Attorney in the Middle District of North Carolina (USAO) and OIG, on January 15, 2021, the Company reached a settlement agreement with the USAO and the OIG with respect to the submission of Medicare claims that did not meet CMS coverage requirements and for which the Company's sales representatives completed Section B of the CMN form. On February 22, 2021, the Company finalized all terms related to the settlement and entered into a formal settlement agreement with the USAO and OIG consistent with the previous agreement in principle and which included releases from associated False Claims Act liability and further Civil Monetary Penalties that are customary in self-disclosures of this type and resolved the potential liability related to the Company's self-disclosure for \$3,600, of which \$2,400 had previously been paid. The remaining \$1,200 net settlement amount due under the agreement was recorded in accrued liabilities within the consolidated balance sheets as of December 31, 2020 and paid on February 23, 2021. Refer to *Note 17. Subsequent events* for further details regarding the resolution.

# Reserve for estimated overpayments from all third-party payers

The Company maintains a reserve for reimbursement claims related to its Minimally Invasive Fracture Treatment product that may have been processed for payment by the Company without adequate medical records support. The Company held a reserve of \$2,790 and \$6,801 at December 31, 2020 and 2019, respectively for these amounts. The Company refunded Medicare \$1,519 and \$7,458 during the years ended December 31, 2020 and 2019, respectively, related to known and estimated overpayments for medical necessity included in this reserve for periods through December 31, 2019. Certain of these overpayments were identified as potential overpayments in the Company's OIG self-disclosure in November 2018. The Company's reserve was estimated using extrapolation of an error rate from a statistical sample, which represents the Company's best estimate as of the date of the financial statements, but because of the uncertainty inherent in such estimates, the ultimate resolution may be materially different.

## Product recall

In December 2020, we voluntarily recalled our ultrasound gel, an accessory to the Minimally Invasive Fracture Treatment product. We have incurred, and expect to incur in the future, costs associated with this recall. Based on the information that has been received, we have estimated the probable loss related to this recall globally to be approximately \$1,684. We have recorded reserves representing the probable loss within accrued liabilities on the consolidated balance sheet. The final outcome of this recall is dependent on many factors that are difficult to predict.

#### Other matters

On August 23, 2019, the Company and Harbor entered into an exclusive collaboration agreement for purposes of developing a product for orthopedic uses to be commercialized by the Company and supplied by Harbor. As part of the agreement a third-party license was assigned to us and the Company is subject to a 3% royalty on certain commercial sales, or a nominal minimum amount per quarter, beginning in 2023. The Company is obligated to pay up to \$6,000 upon achieving certain milestones. Unless earlier terminated, the agreement will remain in effect until the earlier of 8 years or until the payment of certain milestones are met.

On May 29, 2019, the Company and Musculoskeletal Transplant Foundation, Inc. d/b/a MTF Biologics (MTF), entered into a collaboration and development agreement to develop one or more products for orthopedic application to be commercialized by the Company and supplied by MTF. The first phase has been completed. Additional fees for the subsequent phases will be determined as the development work progresses. The Development Agreement continues until the date when the parties execute a supply agreement for the commercial products.

On December 9, 2016, the Company entered into an amended and restated license agreement for the exclusive U.S. distribution and commercialization rights of a single injection OA product with the supplier of the Company's single injection OA product for the non-U.S. market. The agreement requires the Company to meet annual minimum purchase requirements and pay royalties on net sales. Royalties related to this agreement totaled \$10,021, \$7,622 and \$3,082 for the years ended December 31, 2020, 2019 and 2018 respectively, and are included in cost of sales on the consolidated statement of operations and comprehensive income (loss).

As part of a supply agreement entered on February 9, 2016 for the Company's three injection OA product, the Company is subject to annual minimum purchase requirements for ten years. After the initial ten years, the agreement will automatically renew for an additional five years unless terminated by the Company or the seller in accordance with the agreement.

As part of a supply agreement for the Company's five injection OA product, that was amended and restated on December 22, 2020, the Company is subject to annual minimum purchase requirements for eight years.

The Company has an exclusive license agreement for bioactive bone graft putty. The Company is required to pay a royalty on all commercial sales revenue from the license products with a minimum annual royalty payment through 2023, the date the agreement will expire, upon the expiration of the patent held by the licensor. These royalties are included in cost of sales on the consolidated statement of operations and comprehensive income (loss).

From time to time, the Company causes LOCs to be issued to provide credit support for guarantees, contractual commitments and insurance policies. The fair values of the LOCs reflect the amount of the underlying obligation and are subject to fees payable to the issuers, competitively determined in the marketplace. As of December 31, 2020 and 2019, the Company had one LOC outstanding for a nominal amount.

The Company currently maintains insurance for risks associated with the operation of its business, provision of professional services and ownership of property. These policies provide coverage for a variety of potential losses, including loss or damage to property, bodily injury, general commercial liability, professional errors and omissions and medical malpractice. The Company is self-insured for health insurance covering most of its employees located in the United States. The Company maintains stop-loss insurance on a "claims made" basis for expenses in excess of \$150 per member per year.

In the normal course of business, the Company periodically becomes involved in various claims and lawsuits, and governmental proceedings and investigations that are incidental to the business. With respect to governmental proceedings and investigations, like other companies in our industry, the Company is subject to extensive regulation by national, state and local governmental agencies in the U.S. and in other jurisdictions in which the Company and its affiliates operate. As a result, interaction with governmental agencies is ongoing. The Company's standard practice is to cooperate with regulators and investigators in responding to inquiries. The outcomes of legal actions are not within the Company's complete control and may not be known for extended periods of time. Other than the matters discussed above, management of the Company, after consultation with legal counsel, does not believe there are any unrecorded matters that will have a material adverse effect upon the Company's financial statements.

# 13. Net income (loss) per unit

The following table presents the computation of basic and diluted net income (loss) per unit for the years ended December 31 as follows:

	2020	2019	2018
Net income from continuing operations	\$ 14,722	\$ 8,113	\$ 4,443
Loss attributable to noncontrolling interest	1,689	553	—
	\$ 16,411	\$ 8,666	\$ 4,443
Net income from continuing operations attributable to unit holders	\$ 16,411	\$ 8,666	\$ 4,443
Accumulated and unpaid preferred distributions	(6,133)	(5,955)	(5,781)
Net income allocated to participating shareholders	(5,895)	(1,555)	—
Net income (loss) from continuing operations attributable to common unit holders	 4,383	 1,156	 (1,338)
Loss from discontinued operations, net of tax	_	1,815	16,650
Net income (loss) attributable to common unit holders	\$ 4,383	\$ (659)	\$ (17,988)
Net income (loss) per unit attributable to common unit holders - basic and diluted			
Net income (loss) from continuing operations	\$ 0.89	\$ 0.24	\$ (0.27)
Loss from discontinued operations, net of tax	 	0.37	 3.40
Net income (loss) attributable to common unit holders	\$ 0.89	\$ (0.13)	\$ (3.67)
Weighted average common units outstanding, basic and diluted	4,900,000	4,900,000	4,900,000

The computation of diluted earnings per unit for the years ended December 31, 2020, 2019 and 2018 excludes the effect of the 6,590 potential common units that would be issued upon the conversion of preferred units. The effect of these units would be antidilutive due to the impact of the accumulated and unpaid preferred distributions as well as the Company being in a net loss position for the years ended December 31, 2019 and 2018.

# 14. Net Sales

The Company attributes net sales to external customers to the U.S. and to all foreign countries based on the location from which the sale originated. The following table presents our net sales by segment disaggregated by geographic markets and major products (Vertical) for the years ended December 31 as follows:

		2020		2019	2018
Primary geographic markets:					
U.S.	\$	293,697	\$	305,072	\$ 282,895
International		27,464		35,069	36,282
Total net sales	\$	321,161	\$	340,141	\$ 319,177
Vertical:	. <u> </u>		-		
OA joint pain treatment and joint preservation	\$	171,178	\$	182,082	\$ 155,576
Minimally invasive fracture treatment		88,624		103,504	121,032
Bone graft substitutes		61,359		54,555	42,569
Total net sales	\$	321,161	\$	340,141	\$ 319,177



# 15. Segments

Segment information by asset is not disclosed as it is not reviewed by the CODM or used to allocate resources or to assess the operating results and financial performance. We believe EBITDA, adjusted for additional non-operational factors disclosed in the table below, or Adjusted EBITDA, is a key measure for internal reporting. Adjusted EBITDA should not be considered in isolation or as a substitute for consolidated net income (loss) attributable to the Company, the most closely analogous U.S. GAAP measure. Adjusted EBITDA is not defined in the same manner by all companies and may not be comparable to other similarly titled measures of other companies unless the definition is the same. The following table presents segment adjusted EBITDA reconciled to income from continuing operations before income taxes for the years ended December 31 as follows:

	2020		2019		2018
Segment adjusted EBITDA from continuing operations					
U.S.	\$	69,252	\$	71,673	\$ 67,480
International		3,191		7,515	4,691
Depreciation and amortization		(28,643)		(30,316)	(29,238)
Interest expense		(9,751)		(21,579)	(19,171)
Equity compensation		(10,103)		(10,844)	(14,325)
COVID-19 benefits, net		4,123			
Succession and transition charges		(5,609)		—	
Restructuring costs		(563)		(575)	(1,373)
Foreign currency impact		117		(8)	(234)
Equity loss in unconsolidated investments		(467)			
Other non-recurring costs		(5,633)		(6,177)	(1,723)
Income from continuing operations before income taxes	\$	15,914	\$	9,689	\$ 6,107

# 16. Discontinued operations

In December 2018, the Company, under the direction and authority of the Company's Board of Managers, committed to shut down the bone morphogenetic protein (BMP) research and development program, which had been reported as its own segment in previous years. Substantially all operations, including project close documentation, contract termination, vacating the facility and ultimately the termination of the employees, ceased by March 2019 and as a result the BMP research and development program met the criteria for discontinued operations. The Company sold the remaining \$172 held for sale asset and paid the remaining \$400 accrued liability from the BMP research and development program during the year ended December 31, 2020.

The following table summarizes the statement of operations and comprehensive income (loss) from discontinued operations for the years ended December 31:

	2019	201	8
Research and development expense	\$ 1,773	\$	7,127
Loss on disposal	52		9,638
Income tax benefit	(10)		(115)
Loss from discontinued operations, net of tax	\$ 1,815	\$	16,650

## 17. Subsequent events

## Investment

On January 4, 2021, the Company made a convertible debt investment of \$1,500 in a medical device company.

## Recapitalization

On February 16, 2021, the following Transactions occurred.



- The Company amended and restated its limited liability company agreement (New LLC Agreement) to, among other things, (i) provide for the new single class of common membership interests in the Company as discussed in *Note 1. Organization and basis of presentation for financial information*; (ii) exchange all of the then existing membership interests of the common and preferred unit holders (Original LLC Owners) for Common LLC Interests and (ii) appoint the New LLC Owner as the sole managing member of the Company. The amendment resulted in the Company's common and preferred units, including the preferred distribution rights, being converted into 47,625,326 Common LLC Interests.
- The New LLC Owner amended and restated its certificate of incorporation to, among other things, (i) provide for Class A common stock and Class B common stock, each share of which entitles its holders to one vote per share on all matters presented to the New LLC Owner's stockholders and (ii) issue 15,786,737 shares of Class B common stock to the Continuing LLC Owner, on a one-to-one basis with the number of LLC Interests it owns. While the Class B common stock holds voting rights it holds no economic interest in the New LLC Owner.
- The New LLC Owner acquired, by merger, the Former LLC Owners and upon consummation of the merger, owned 31,838,589 Common LLC Interests.
- The New LLC Owner closed an IPO of 9,200,000 shares of Class A common stock at a public offering price of \$13.00 per share. The New LLC Owner received \$111,228 in proceeds, net of underwriting discounts and commissions, which was used to make a capital contribution to the Company in exchange for 9,200,000 Common LLC Interests of the Company at a price per interest equal to the IPO price of \$13.00.

Subsequent to the Transactions, the New LLC Owner owns 41,038,589 Common LLC Interests or 72.2% of the Company and the Continuing LLC Owner owns 15,786,737 or 27.8%. The New LLC Owner has a majority economic interest, the sole voting interest in, and controls the management of the Company. As a result, the New LLC Owner will consolidate the financial results of the Company and will report a non-controlling interest representing the interests owned by the Continuing LLC Owner.

The New LLC Agreement requires that the Company, at all times, maintain (i) a one-to-one ratio between the number of shares of Class A common stock issued by the New LLC Owner and the number of Common LLC Interests owned by the New LLC Owner and (ii) a one-to-one ratio between the number of shares of Class B common stock owned by the Continuing LLC Owner and the number of LLC Interests owned by the Continuing LLC Owner.

On February 22, 2021, the Company finalized all terms related to a settlement agreement with the USAO and the OIG with respect to the submission of Medicare claims that did not meet CMS coverage requirements and for which our sales representatives completed Section B of the CMN forms. The Company entered into a formal settlement agreement with the USAO and OIG which included releases from associated False Claims Act liability and further Civil Monetary Penalties that are customary in self-disclosures of this type and resolved the potential liability related to the Company's self-disclosure in this matter for \$3,600, of which \$2,400 has already been paid through the Company's 2019 return of overpayments described previously. The remaining \$1,200 net settlement amount due under the agreement was recorded in accrued liabilities within the consolidated balance sheets as of December 31, 2020 and was paid on February 23, 2021.

## Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosures.

None.

# Item 9A. Controls and Procedures.

## Limitations on Effectiveness of Controls and Procedures

In designing and evaluating our disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect that there are resource constraints and that management is required to apply judgment in evaluating the benefits of possible controls and procedures relative to their costs.

# **Evaluation of Disclosure Controls and Procedures**

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, conducted an evaluation of the effectiveness of our disclosure controls and procedures as of the end of the period covered by this Annual Report. Based on this evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective at the reasonable assurance level as of December 31, 2020.

# Management's Report on Internal Control over Financial Reporting

This Annual Report on Form 10-K does not include a report of management's assessment regarding internal control over financial reporting or an attestation of our independent registered public accounting firm due to a transition period established by rules of the SEC for newly public companies. In addition, because we are an "emerging growth company" under the JOBS Act, our independent registered public accounting firm will not be required to attest to the effectiveness of our internal control over financial reporting for so long as we are an emerging growth company.

# **Changes in Internal Control over Financial Reporting**

During 2020 we remediated a material weakness associated with the proper processing of Exogen reimbursement claims in accordance with regulations and contractual terms.

We implemented the following measures to improve our internal controls and remediate the material weakness:

- the augmentation, reorganization and training of our prescription to cash staff, which includes our direct sales team, order management personnel, patient financial services personnel and reimbursement services and accounts receivable personnel, regarding key aspects of regulations and requirements and how to deal with inconsistencies within patient medical records;
- implementation of monthly sales order testing on sampling basis by our Compliance department including a review of medical necessity;
- establishment of a cross functional governance committee, reporting to an executive steering committee to review and approve our Exogen Medicare policy and oversee future Exogen policy and process interpretations and changes; and
- implementation of a checklist to be completed for each Medicare order to ensure compliance with our policy for Medicare claims and then further automating this checklist.

Other than the changes described above, there were no other changes to our internal control over financial reporting that occurred during the quarter ended December 31, 2020 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

# Item 9B. Other Information.

Not applicable.

# PART III

Item 10. Directors, Executive Officers and Corporate Governance.

## MANAGEMENT

## Executive officers, key employees and directors

The following table sets forth the name, age and position(s) of each of our directors and executive officers as of March 15, 2021:

Name	Age	Position(s)
Executive Officers		
Kenneth M. Reali	55	Chief Executive Officer and Director
Gregory O. Anglum	50	Senior Vice President and Chief Financial Officer
John E. Nosenzo	63	Chief Commercial Officer
Anthony D'Adamio	60	Senior Vice President and General Counsel
Katrina Church	59	Senior Vice President and Chief Compliance Officer
Alessandra Pavesio	54	Senior Vice President and Chief Science Officer
Non-Employee Directors		
William A. Hawkins <sup>(4)</sup>	67	Director, Chairperson
Philip G. Cowdy <sup>(1)(3)</sup>	53	Director
Guido J. Neels <sup>(2)</sup>	72	Director
Guy P. Nohra <sup>(2)(3)</sup>	60	Director
David J. Parker <sup>(1)</sup>	60	Director
Martin P. Sutter <sup>(3)</sup>	65	Director
Susan M. Stalnecker <sup>(1)(4)</sup>	68	Director

<sup>(1)</sup> Member of the audit and risk committee

<sup>(2)</sup> Member of the compensation committee

<sup>(3)</sup> Member of the nominating and corporate governance committee

<sup>(4)</sup> Member of the compliance, ethics and culture committee

*Kenneth M. Reali* has served as our Chief Executive Officer since April 2020 and as a member of our board of directors (Board) since September 2020. Mr. Reali previously served as President and Chief Executive Officer of Clinical Innovations, LLC, a medical device company focused on advancing woman's healthcare, from June 2015 until its successful sale on February 12, 2020. In this role, Mr. Reali led the company through two successful acquisitions by a private equity firm in October 2017 and later to a leading diagnostic and therapeutic medical technology company in February 2020. Prior to joining Clinical Innovations, LLC, Mr. Reali also served as the President and CEO of Baxano Surgical, Inc., a medical device company, from January 2010 until February 2015, leading its turn-around out of bankruptcy. Mr. Reali also held positions of increasing responsibility at several medical device companies, including Biomet, Inc. (now known as Zimmer Biomet) and Stryker Corporation. Mr. Reali also served as Senior Vice President and General Manager within the Biologics and Clinical Therapies business of Smith & Nephew plc from May 2005 to January 2010, a division which was later spun out to become Bioventus LLC (BV LLC). Mr. Reali has served as a member of the board of managers of BV LLC since April 2020. Mr. Reali also currently serves as a member of the board of directors of Ossio, Ltd., an orthopedic medical device company focused on the noninvasive, in-vivo detection of cancerous and pre-cancerous lesions. Mr. Reali also serves on the compensation committee of Ossio, Ltd. and the ethics and health care compliance committee of AdvaMed. Mr. Reali holds a Bachelor of Science in Business Administration from Valparaiso University. We believe Mr. Reali is qualified to serve on our Board because of his vast skills and experience in the medical device industry, his role as our Chief Executive Officer and his extensive knowledge of the Company.

*Gregory O. Anglum* has served as our Senior Vice President and Chief Financial Officer since May 2017. Previously, Mr. Anglum served as our Chief Accounting Officer from April 2016 to May 2017. Prior to joining us, Mr. Anglum served as Chief Financial Officer of Overture Networks, Inc. (now known as ADVA Optical Networking SE), a leading global provider of networking and telecommunications equipment from September 2015 to April 2016. From December 2014 to September 2015, Mr. Anglum was Chief Financial Officer at StrikeIron, Inc., a Data-as-a-Service software company. From August 2004 to July 2014, Mr. Anglum was an audit partner at Grant Thornton LLP, or GT, where he also served as leader of the Raleigh office from August 2009 through July 2014 and was a member of the firm-wide leadership team for the technology industry group. Mr. Anglum holds a Master of Business Administration with a concentration in Accounting from Vanderbilt University's Owen Graduate School of Management and a Bachelors of Arts in Economics from Vanderbilt University and is a Certified Public Accountant.

John E. Nosenzo has served as our Chief Commercial Officer since February 2017. Prior to joining us, Mr. Nosenzo served as Senior Vice President, Global Customer Operations at Beckman Coulter Diagnostics, a global leader in clinical diagnostics, from September 2011 to February 2017. From May 2010 to September 2011, Mr. Nosenzo was Senior Vice President, Customer Relations Management for Siemens Healthcare (now known as Siemens Healthcare imaging and healthcare IT commercial organizations. Mr. Nosenzo's earlier career also includes senior positions at Quest Diagnostics and Bayer Healthcare LLC's Diagnostics Division (now known as Siemens Healthcare Diagnostics). Mr. Nosenzo currently serves as a member of the board of directors of Spectral Medical Inc. Mr. Nosenzo holds a Master of Business Administration in marketing and management from Adelphi University and received his Bachelor of Science in pharmacy from St. John's University.

Anthony D'Adamio has served as our Senior Vice President and General Counsel since August 2017. Previously, Mr. D'Adamio was General Counsel and Secretary at Siemens Healthcare (now known as Siemens Healthineers AG) from January 2010 to August 2017 and served as Deputy General Counsel and Secretary of Siemens Healthcare Diagnostics from January 2007 to January 2010. Prior to that, Mr. D'Adamio was Senior Counsel within the Diagnostics Division of Bayer Healthcare LLC (now known as Siemens Healthcare Diagnostics) from January 2001 to December 2006. Mr. D'Adamio began his legal career at the law firm of Bond, Schoeneck & King before taking corporate legal positions with companies within the health insurance, pharmaceutical and biotechnology industries, including Group Health Incorporated, Quest Diagnostics and Covance Inc. Mr. D'Adamio holds a Juris Doctor, cum laude, from Howard University School of Law and a Bachelor of Arts from the State University of New York at Binghamton.

*Katrina Church* has served as our Chief Compliance Officer since August 2020. Prior to joining us, Ms. Church served in corporate counsel and compliance roles within the Merz Group of companies, most recently as Global Compliance Officer for Merz Pharma GmbH & Co KGaA, a privately-held pharmaceutical company, from March 2015 to August 2020. From June 1998 to December 2008, Ms. Church was Executive Vice President and General Counsel of Connetics Corporation, a specialty pharmaceutical company that was acquired by Stiefel Laboratories, Inc. in 2008. Ms. Church began her career as an attorney at Hopkins & Carley, a San Jose-based law firm. In 2020, Ms. Church was nominated for several industry awards for compliance training and received the 2020 Women in Compliance Award for "Most Impactful Compliance Training Programme of the Year" and the Brandon Hall 2020 Gold Medal for Excellence in Training. Ms. Church holds a Juris Doctor from New York University School of Law and a Bachelor of Arts in Comparative Literature, magna cum laude, from Duke University.

*Alessandra Pavesio* has served as our Senior Vice President and Chief Science Officer since August 2013. Previously, Ms. Pavesio managed the Boston University Coulter Translational Partnership, a foundation-sponsored research program designed to enhance clinical impact and wealth creation through the development and transfer of innovative intellectual properties from university laboratories to commercial practice, from January 2012 to July 2013. From January 2010 to December 2011, Ms. Pavesio was Vice President of Research & Development at Anika Therapeutics, Inc., an integrated orthopedic medicines company. Prior to that, Ms. Pavesio served as Director of Research and Development at Fidia Advanced Biopolymers, s.r.l. (now known as Anika Therapeutics, Inc.), from May 1991 to December 2009. Ms. Pavesio is the co-author of numerous peer reviewed publications and more than 15 patented inventions on hyaluronan based and biologics technologies. In the European Union, she has also served as chairperson of international regenerative medicine technology platforms and government advisory councils on innovation. Ms. Pavesio holds a Master's degree in Medicinal Chemistry, magna cum laude, from the University of Turin in Italy.

*William A. Hawkins* has served as a member of our Board since September 2020 and as Chairperson of our Board since September 2020. Mr. Hawkins is a Senior Advisor to EW Healthcare Partners, a leading private equity firm investing in life sciences. From October 2011 to July 2015, Mr. Hawkins served as President and Chief Executive Officer of Immucor, Inc., a leading provider of transfusion and transplantation diagnostic products worldwide. Prior to that, Mr. Hawkins served in positions of increasing responsibility at Medtronic, Inc., a prominent medical technology company, from January 2002 to June 2011, most recently serving as its Chief Executive Officer from November 2007 to June 2011. Mr. Hawkins served as President and Chief Executive Officer of Novoste Corporation, a global leader in the field of vascular brachytherapy, from 1988 to 2002 and has also held several senior leadership positions at American Home Products (now known as Wyeth, LLC), Johnson & Johnson, Guidant Corp. and Eli Lilly and Co. Mr. Hawkins has served as a member of the board of managers of BV LLC since January 2016. Mr. Hawkins also currently serves on the board of directors of Avanos Medical, Inc., a public medical technology company; Biogen Inc. and NiMedx Group Inc., each a public biopharmaceutical company; and Asklepios BioPharmaceutical, Inc., Baebies, Inc., Cirtec Medical Corp., Immucor, Inc. and Virtue Labs, LLC, each a privately-held life science company. Mr. Hawkins was elected to the Duke University Board of directors of the North Carolina Biotechnology Center and the Focused Ultrasound Foundation Society. Mr. Hawkins holds a Master of Business Administration from the University of Virginia Darden School of Business and received a Bachelor of Science in electrical and biomedical engineering from Duke University. Mr. Hawkins was selected to serve on our Board because of his experience in and knowledge of the life science industry.

*Philip G. Cowdy* has served as a member of our Board since September 2020. Mr. Cowdy is the Chief Business Development and Corporate Affairs Officer for Smith & Nephew plc. Since joining Smith & Nephew plc in June 2008, he has also served as Executive Vice President of Business Development and Corporate Affairs, Head of Corporate Affairs and Strategic Planning, Group Director of Corporate Affairs and Director of Investor Relations. Prior to joining Smith & Nephew plc, Mr. Cowdy served as a Senior Director at Deutsche Bank for 13 years, providing corporate finance and equity capital markets advice to a variety of UK-based companies. Mr. Cowdy is currently a member of the board of managers of BV LLC, which he has served on from January 2012 to October 2017 and again from July 2018, and he has served as a member of its Audit, Compliance and Quality Committee. Mr. Cowdy received his Bachelor of Science in Natural Sciences from Durham University (UK) and is a qualified chartered accountant. Mr. Cowdy was selected to serve on our Board because of his experience in the industry, his finance experience, and his knowledge of the Company.

*Guido J. Neels* has served as a member of our Board since September 2020. Mr. Neels has been with Essex Woodlands since August 2006, where he is now an Operating Partner. Prior to joining Essex Woodlands, Mr. Neels served in a variety of management positions at Guidant Corporation, a developer of cardiovascular medical products. From July 2004 until retiring in November 2005, Mr. Neels served as Guidant's Chief Operating Officer, where he was responsible for the global operations of Guidant's four operating units: Cardiac Rhythm Management, Vascular Intervention, Cardiac Surgery and Endovascular Solutions. From December 2002 to July 2004, Mr. Neels served as Guidant's Group Chairman, Office of the President, responsible for worldwide sales operations, corporate communications, corporate marketing, investor relations and government relations. In January 2000, Mr. Neels was named Guidant's President, Europe, Middle East, Africa and Canada. In addition, Mr. Neels served as Guidant's Vice President, Global Marketing, Vascular Intervention, from 1996 to 2000 and as Guidant's General Manager, Germany and Central Europe, from 1994 to 1996. Mr. Neels has served as a member of the board of managers of BV LLC since May 2012. Mr. Neels also currently serves on the board of directors of Axogen, Inc. and also is a member of its compensation committee. Mr. Neels previously served on the board of directors of Endologix, Inc. from December 2010 to June 2019 and on the board of directors of Entellus Medical from November 2009 to February 2018, each of which is a public company. Mr. Neels holds a Master in Business Administration from the Stanford University Graduate School of Business and received his Business Engineering degree from the University of Leuven in Belgium. Mr. Neels was selected to serve on our Board because of his experience in the industry, familiarity with serving on the boards of public companies and his knowledge of our business.

*Guy P. Nohra* has served as a member of our Board since September 2020. In March 1996, Mr. Nohra co-founded Alta Partners, a life sciences venture capital firm, and he has since been involved in the funding and development of numerous medical technology and life sciences companies. Mr. Nohra is currently a member of the board of managers of BV LLC, which he has served on since May 2012, and serves as the Chair of the Compensation Committee. Mr. Nohra currently serves as a member of the boards of directors of several private life sciences companies, including Bionure, Inc., Sanifit Therapeutics S.A. and Spiral Therapeutics, Inc. He also previously served on the board of directors of various public companies, including ATS Medical, Inc., Cutera, Inc., AcelRx Pharmaceuticals, Inc., and ZS Pharma, as well as several private companies, including Carbylan Biosurgery, Inc., Cerenis Therapeutics, Coapt Systems, Paracor Medical, Inc. and PneumRx. Mr. Nohra holds a Master in Business Administration from the University of Chicago and received his Bachelor of Arts in History from Stanford University. Mr. Nohra was selected to serve on our Board because of his extensive experience in the life sciences industry, his investment and development experience, and his service as a director of other life sciences companies.

*David J. Parker* has served as a member of our Board since September 2020. Mr. Parker has been a General Partner at Ampersand Capital Partners, a private equity firm with \$800.0 million of capital under management, since November 2010, which he originally joined in September 1994. Prior to joining Ampersand Capital Partners, Mr. Parker served as a management consultant at Bain & Company and Mercer Management Consulting, where he provided strategy and operations consulting services to clients in the healthcare, transportation, consumer products and telecommunications sectors. Mr. Parker is currently a member of the board of managers of BV LLC, which he has served on since May 2012, and serves on its Audit, Compliance and Quality Committee. Mr. Parker also currently serves as a director of Genome Diagnostics B.V., or GenDx, MedPharm Ltd. and Tjoapack Holdings B.V. Mr. Parker also serves on the remuneration committees of both GenDx and MedPharm and the audit and remediation committees of GenDx. Mr. Parker holds a Master of Business Administration in Finance from The Wharton School of the University of Pennsylvania and received his Bachelor of Arts in Government and Economics from Dartmouth College. Mr. Parker was selected to serve on our Board because of his extensive experience in the life sciences industry, his finance and investment experience, and his service as a director of other life sciences companies.

*Martin P. Sutter* has served as a member of our Board since September 2020. Mr. Sutter is one of the two founding Managing Directors of EW Healthcare Partners (previously known as Essex Woodlands), one of the oldest and largest life sciences and healthcare focused venture capital firms, which he formed in 1994. Mr. Sutter has more than 30 years of management experience in operations, marketing, finance and venture capital. Mr. Sutter has served as a member of the board of managers of BV LLC since May 2012. Mr. Sutter also currently serves on the board of directors of Abiomed, Inc., a publicly traded biopharmaceutical company, MiMedx Group, Inc., a publicly traded medical devices company, and Prolacta Biosciences, Inc., a privately held life sciences company. Mr. Sutter has also previously served on the board of directors of Tissue Tech, Inc., Suneva Medical, Inc. and QSpex Technologies, Inc. Mr. Sutter currently serves on the compensation and nominating and governance committees of both Abiomed, Inc. and MiMedx Group, Inc. Mr. Sutter holds a Master of Business Administration from the University of Houston and received his Bachelor of Science from Louisiana State University. Mr. Sutter was selected to serve on our Board because of his extensive experience in the life sciences industry, his investment experience, and his service as a director of other life sciences companies.

*Susan M. Stalnecker* has served as a member of our Board since September 2020. Ms. Stalnecker has been a Senior Advisor at Boston Consulting Group, a global management consulting firm, since March 2016. Ms. Stalnecker served as Vice President of E.I. duPont de Nemours and Co. (now known as DuPont de Nemours, Inc., or DuPont), a public company, a diversified science and innovations leader in the fields of healthcare, electronics and transportation, from December 1976 until she retired in 2016. During her nearly 40-year career at DuPont, Ms. Stalnecker served in several senior leadership roles including Vice President, Treasurer & M&A; Vice President, Risk Management; Vice President, Government and Consumer Markets; and Vice President, Productivity & Shared Services. Ms. Stalnecker has served as a member of the board of managers of BV LLC since November 2018. Ms. Stalnecker also currently serves on the board of directors of Leidos Holding, Inc. and Optimum Funds McQuairie, and serves on the Board of Trustees of the Duke Health System. She also serves on the audit & finance committee of Leidos Inc., the audit committee of Optimum Funds McQuairie and the compliance, audit & finance committees of the Duke Health System. Ms. Stalnecker holds a Master of Business Administration from The Wharton School of the University of Pennsylvania and received her Bachelor of Arts from Duke University. Ms. Stalnecker was selected to serve on our Board because of her extensive experience as a financial expert, her investment experience, and her service as a director of other public companies.

## Audit and Risk Committee and audit committee financial expert

We have a separately designated standing Audit and Risk committee which consists of Philip G. Cowdy, David J. Parker and Susan M. Stalnecker, with Susan M. Stalnecker serving as chair. We intend for all members of our Audit and Risk Committee to meet the definition of "independent director" for purposes of serving on the Audit and Risk Committee by February 11, 2022, in accordance with the phase-in rules of Rule 10A-3 under the Securities Exchange Act of 1934, as amended (Exchange Act) and the rules of The Nasdaq Stock Market LLC (Nasdaq) requiring that the Audit and Risk Committee be composed entirely of members who qualify as independent. We have determined that the fact that our Audit and Risk Committee is not be entirely comprised of independent directors in the first year following our IPO will not materially adversely affect the ability of our Audit and Risk Committee to act independently and to satisfy the other requirements of the SEC and Nasdaq. Our Board has affirmatively determined that David J. Parker and Susan M. Stalnecker meet the definition of "independent director" for purposes of serving on an Audit and Risk Committee under Rule 10A-3 and the Nasdaq rules, and we intend to comply with the other independence requirements within the time periods specified. In addition, our Board has determined that Susan M. Stalnecker qualifies as an "audit committee financial expert," as such term is defined in Item 407(d)(5)(ii) of Regulation S-K.

#### Code of compliance and ethics

We have a written code of compliance and ethics that applies to our directors, officers and employees, including our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions. A current copy of the code is posted on our website, *www.bioventus.com*. In addition, we intend to post on our website all disclosures that are required by law or Nasdaq listing standards concerning any amendments to, or waivers from, any provision of the code. The information on our website is deemed not to be incorporated in this Annual Report or to be part of this Annual Report or to be part of this Annual Report on Form 10-K.

## Item 11. Executive Compensation.

This section discusses the material components of the executive compensation program for our executive officers who are named in the "2020 Summary compensation table" below. In 2020, our "named executive officers" and their positions were as follows:

- Kenneth M. Reali, Chief Executive Officer;
- Gregory O. Anglum, Senior Vice President & Chief Financial Officer;
- John E. Nosenzo, Senior Vice President & Chief Commercial Officer;
- Anthony D'Adamio, Senior Vice President & General Counsel;
- Alessandra Pavesio, Senior Vice President & Chief Science Officer; and
- Anthony P. Bihl III, former Chief Executive Officer.

Mr. Reali became Chief Executive Officer and a member of the BV LLC board of managers, effective as of April 13, 2020, in connection with Mr. Bihl's retirement on April 19, 2020.

# 2020 Summary Compensation Table

The following table sets forth information concerning the compensation of our named executive officers for the year ended December 31, 2019 and 2020.

Name and Principal Position	Year	Sala	ury (\$) <sup>(1)</sup>	Bonus (\$)	Sto	ock Awards (\$) <sup>(7)</sup>	Option Awards (\$) <sup>(8)</sup>	In	Non-Equity Incentive Plan Compensation (\$) <sup>(5)</sup>		All Other mpensation (\$) <sup>(6)</sup>	Total (\$)
Kenneth M. Reali	2020	\$	428,135	\$ 9,282 <sup>(2)</sup>	\$	4,111,191	\$ 38,631	\$	426,634	\$	277,719 \$	5,291,592
Chief Executive Officer	2019		_	—		_	_		_		_	—
Gregory O. Anglum	2020		381,044	2,793 (2)		_	_		178,471		22,392	584,700
Senior Vice President & Chief Financial Officer	2019		374,019	_		_	_		143,479		22,386	539,884
John E. Nosenzo	2020		504,893	21,778 <sup>(3)</sup>		_	_		357,646		22,959	907,276
Senior Vice President & Chief Commercial Officer	2019		490,219	—		_	_		295,322		22,584	808,125
Anthony D'Adamio	2020		396,597	3,062 (2)		_	_		195,674		22,959	618,292
Senior Vice President & General Counsel	2019		391,106	_		_	_		150,016		22,584	563,706
Alessandra Pavesio	2020		408,657	3,267 (4)		_	_		201,652		21,375	634,951
Senior Vice President & Chief Science Officer	2019		398,165	_		_	_		160,693		21,000	579,858
Anthony P Bihl III	2020		236,750	_		_	_		214,111		3,639,984	4,090,845
Former Chief Executive Officer	2019		684,979	—		—	—		552,910		23,561	1,261,450

<sup>&</sup>lt;sup>(1)</sup> Amounts reflect annual base salary earned with respect to 2019 and 2020.

- (2) Amounts reflect discretionary "make whole" bonuses paid to all employees who earned performance-based cash incentives under the 2020 Annual Incentive Plan in amounts equal to the additional cash incentives that would have otherwise been paid under such plan had salaries not been reduced in connection with the COVID-19 pandemic, as described below under "—2020 Salaries".
- (3) Amount reflects a discretionary "make whole" bonus paid to Mr. Nosenzo in respect of his performance-based cash incentive under the 2020 Executive Annual Incentive Plan – Chief Commercial Officer in an amount equal to (i) the additional cash incentive that he would have otherwise been paid under such plan had his salary not been reduced in connection with the COVID-19 pandemic, as described below under "—2020 Salaries" and (ii) in recognition of his sales efforts during the COVID-19 pandemic, the additional cash incentive that he would have been paid had he been a participant in the 2020 Executive Annual Incentive Plan – Non Commercial.

- (4) Amount reflects (i) a \$3,167 discretionary "make whole" bonus paid to Ms. Pavesio in respect of her performance-based cash incentive under the 2020 Executive Annual Incentive Plan Non Commercial in an amount equal to the additional cash incentive that she would have otherwise been paid under such plan had her salary not been reduced in connection with the COVID-19 pandemic, as described below under "—2020 Salaries", and (ii) \$100 bonus paid to Ms. Pavesio in connection with a CEO determination to pay \$100 discretionary bonuses to all employees with five through nine years of service.
- (5) Amounts reflect the annual performance-based cash incentives earned by our named executive officers in 2019 and 2020 based on achievement of corporate and personal performance objectives as set forth in the 2019 and 2020 Executive Annual Incentive Plan – Non Commercial or the 2019 and 2020 Executive Annual Incentive Plan – Chief Commercial Officer, as applicable.
- (6) 2020 amounts reflect (i) \$8,550, \$8,550, \$8,550, \$8,550, \$8,550, and \$8,550 in matching 401(k) contributions made by us to the 401(k) accounts of Messrs. Reali, Anglum, Nosenzo, D'Adamio, Ms. Pavesio and Mr. Bihl, respectively, (ii) additional fixed non-elective contributions of \$1,064, \$12,402, \$12,825, \$12,825, \$12,825, and \$12,825 made by us to the 401(k) accounts of Messrs. Reali, Anglum, Nosenzo, D'Adamio, Ms. Pavesio and Mr. Bihl, respectively, (iii) reimbursement of cellular telephone expenses to Messrs. Reali, Anglum, Nosenzo, and D'Adamio equal to \$1,056, \$1440, \$1,584 and \$1,584, respectively, (iv) relocation allowance of \$250,000 and tax gross up of \$17,048 to Mr. Reali, (v) payments to Mr. Bihl of a \$4,966 benefit stipend and \$63,700 tax stipend in connection with his status as a partner and associated receipt of a guaranteed payment instead of a salary, and (vi) payments made to Mr. Bihl in connection with his retirement in an aggregate amount of \$3,549,943 to reflect the COVID-19-related decrease in the repurchase value of his equity interests.

2019 amounts reflect (i) \$2,561 benefit stipend to Mr. Bihl (ii) \$8,400, \$8,400, \$8,400, \$8,400 and \$8,400 in matching 401(k) contributions made by us to the 401(k) accounts of Messrs. Anglum, Nosenzo, D'Adamio, Ms. Pavesio and Mr. Bihl, respectively, (iii) additional fixed non-elective contributions of \$12,600, \$12,600, \$12,600, \$12,600 and \$12,600 made by us to the 401(k) accounts of Messrs. Anglum, Nosenzo, D'Adamio, Ms. Pavesio and Mr. Bihl, respectively, and (iv) reimbursement of cellular telephone expenses to Messrs. Anglum, Nosenzo, and D'Adamio equal to \$1,386, \$1,584 and \$1,584, respectively.

- (7) Amount reflects the aggregate grant date fair value of phantom profits interests granted to Mr. Reali during the year ended December 31, 2020 computed in accordance with FASB ASC Topic 718, Compensation—Stock Compensation. Refer to *Note 9. Equity-based compensation* within *Part II, Item 8. Financial Statements and Supplementary Data* for a discussion of the relevant assumptions used in calculating this amount.
- (8) Amount reflects the aggregate grant date fair value of options granted to Mr. Reali during the year ended December 31, 2020 computed using a Black-Scholes calculation in accordance with FASB ASC Topic 718, Compensation—Stock Compensation.

#### Narrative to Summary Compensation Table

#### **Employment Letters**

The terms of employment for Messrs. Reali, Anglum, Nosenzo, D'Adamio and Ms. Pavesio in effect as of December 31, 2020 are documented in their employment letters dated March 12, 2020, August 2, 2017, November 18, 2016, July 11, 2017 and June 13, 2013, respectively, with Mr. Reali's employment letter subsequently amended as of April 24, 2020. The terms of Mr. Bihl's prior employment are documented in his offer letter dated November 4, 2013 as amended on October 17, 2019 to reflect his status as a partner. Pursuant to their respective employment letters, Mr. Bihl was hired to serve as the Chief Executive Officer, Mr. Reali was hired to serve as the Chief Executive Officer following Mr. Bihl's retirement, Mr. Anglum was promoted on August 7, 2017 to serve as the Chief Financial Officer (after serving as the interim Chief Financial Officer effective May 1, 2017), Mr. Nosenzo was hired to serve as Chief Commercial Officer, Mr. D'Adamio was hired to serve as Senior Vice President and General Counsel and Ms. Pavesio was hired to serve as Chief Science Officer. Mr. Bihl also served as a member of the BV LLC board of managers until his retirement on April 19, 2020 and Mr. Reali now serves as a member of the BV LLC board of managers. In connection with our IPO, we entered into new employment agreements with Messrs. Reali, Anglum, Nosenzo, D'Adamio, and Ms. Pavesio (as further described below under "—Severance").

#### 2020 Salaries

The named executive officers were entitled to receive a base salary in 2020 to compensate them for services rendered to us. The base salary payable to each named executive officer is intended to provide a fixed component of compensation reflecting the named executive officer's skill set, experience, role and responsibilities. The annual base salaries payable to Messrs. Reali, Anglum, Nosenzo, D'Adamio and Ms. Pavesio as of December 31, 2020, were \$615,000, \$389,881, \$518,451, \$405,794 and \$419,630 respectively, all of which reflect merit increases which were effective March 29, 2020 for the named executive officers other than Mr. Reali. In connection with the COVID-19 pandemic, we implemented a 20% reduction in base salary for each of our employees with a base salary of \$100,000 or greater, including each of our named executive officers, effective May 31, 2020 and ending June 27, 2020, which reductions are reflected in the actual salary paid in the summary compensation table.

Effective as of the consummation of our IPO, we increased the salaries of Messrs. Reali, Anglum, D'Adamio and Ms. Pavesio to \$700,000, \$430,000, \$420,000 and \$430,000, respectively.

## 2020 Incentive Bonuses

With respect to their services in 2020, Messrs. Reali, Anglum, D'Adamio, Ms. Pavesio and Mr. Bihl were eligible to earn an annual performance-based cash bonus pursuant to the 2020 Executive Annual Incentive Plan – Non Commercial, or the Non Commercial AIP (with Mr. Bihl's bonus pro-rated for the portion of the year for which he provided service prior to his retirement date), and Mr. Nosenzo was eligible to earn an annual performance-based cash bonus pursuant to the 2020 Executive Annual Incentive Plan – Chief Commercial Officer, or the Commercial AIP. Bonuses earned by our named executive officers under both the Non Commercial AIP and Commercial AIP were based upon weighted minimum, target and maximum achievement of both business and personal performance measures. The Non Commercial AIP and the Commercial AIP objective business measures in 2020 were (1) Global Revenue, (2) Adjusted Global EBITDA and (3) multiple osteoarthritis treatment achievements, including submission of an IND application to FDA for "Biologic" placental tissue product in the third quarter of 2020, the launch of a GTP placental tissue product in the fourth quarter of 2020 and the achievement of \$100,000 in 2020 revenue with respect to such placental tissue product. The personal performance standards were based on the named executive officers' performance ratings.

Mr. Reali's and Mr. Bihl's target incentive for 2020 was 100% of their respective eligible earnings (as defined under the applicable AIP); Mr. Nosenzo's was 75% of his eligible earnings; and Messrs. Anglum, D'Adamio and Ms. Pavesio's was 50% of their respective eligible earnings.

Objective business measures and personal performance were weighted as 80% and 20%, respectively, of the annual bonuses under the Non Commercial AIP and the Commercial AIP payouts for the objective business measures under the Non Commercial AIP and the Commercial AIP ranged from 50% for minimum achievement, 100% for target achievement, to 200% for maximum achievement, which amounts shall correspond to 95%, 100%, and 105% achievement of the applicable objective business measure target, respectively. The personal performance component of the award amount ranged from a 50% for minimum achievement, 100% for target achievement, to 200% for maximum achievement.

For 2020, the achievement percentage for the objective business measures for each of our NEOs was determined to be 93.6% (with Mr. Bihl's pro-rated award calculated at actual achievement for the objective business measures). The achievement percentage for the personal performance component was determined to be 125% for each of Messrs. Reali, D'Adamio, Nosenzo, and Ms. Pavesio and 100% for Mr. Anglum (with Mr. Bihl's pro-rated award calculated at target achievement (100%) for the personal performance component). In addition to the awards calculated under the applicable AIP for each of our NEOs, each of our employees who participated in an AIP, including our NEOs, received a discretionary "make whole" bonus with respect to each employee's performance-based cash incentive under the applicable AIP in an amount equal to the additional cash incentive each employee would have otherwise received had salaries not been reduced in connection with the COVID-19 pandemic. In recognition of his sales efforts during the COVID-19 pandemic, Mr. Nosenzo also received an additional discretionary "make whole" bonus with respect to his performance-based cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive under the Commercial AIP in an amount equal to the additional cash incentive he would have received had he been a participant in the Non Commercial AIP.

# **Equity-Based** Compensation

Prior to our IPO, we maintained the BV LLC profits interest plan, which we called the Management Incentive Plan (MIP), pursuant to which we granted 333,330 profits interest units of BV LLC (Profits Interest Units), to Mr. Bihl on December 2, 2013. In connection with Mr. Bihl's retirement, we redeemed all of his Profits Interest Units as described below under "—Severance." In connection with our IPO the MIP was terminated and no further awards will be made under the MIP.

Prior to our IPO, we also maintained the Bioventus Phantom Profits Interest Plan, which was renamed the Bioventus Stock Plan on June 1, 2020, and which we called the Phantom Plan, pursuant to which we granted time-vesting phantom plan units (Time Phantom Units) and performance-vesting phantom plan units (Performance Phantom Units). The Time Phantom Units generally vested ratably over five years (20% on the first anniversary of the date of grant and 5% quarterly thereafter) and entitled the holder to a cash payment, in an amount determined by reference to the value of our Profits Interest Units, with respect to any vested Time Phantom Units upon the earlier of a termination from service or certain distribution events with respect to the Company's profits interest units. In the event of a qualifying distribution event prior to a termination, all Time Phantom Units fully vest. Generally, Performance Phantom Units were scheduled to vest on June 1, 2021, subject to the achievement of 2020 corporate revenue goals, but could also become vested in whole or in part in the board of managers' discretion in the event such revenue goals were not satisfied. In connection with our IPO, on February 11, 2021, we terminated the Phantom Plan and there will be no further awards made under the Phantom Plan. We will settle all awards thereunder 12 months following the termination. In connection with the Phantom Plan termination, Bioventus Inc. assumed the obligations of BV LLC and Phantom Plan awards will be paid in the form of shares of Class A common stock (or, in the case of former employees whose employment terminated prior to the offering and who hold vested Phantom Plan awards as of 12 months following the termination of the Phantom Plan, in the form of cash). The number of shares of Class A common stock received by each participant, including our named executive officers, were determined by dividing (A) the value of the participant's vested Phantom Units (after giving effect to any accelerations in vesting in connection with our IPO, as described below) as of February 11, 2021 by (B) the \$13.00 IPO price of our Class A common stock (with any terminated employees holding vested Phantom Plan awards receiving the cash value of such shares determined as of the date of the IPO). It is anticipated that, to the extent that a Time Phantom Unit is not otherwise vested as of the date the Phantom Plan is terminated, settlement with respect to such Time Phantom Unit will be subject to the holder's continued employment with us through the applicable vesting date or the twelve month anniversary of plan termination, if earlier. As a result of the \$13.00 IPO price of our Class A common stock, the Performance Phantom Units had no value as the IPO date.

Each of our named executive officers holds Phantom Plan awards in BV LLC as set forth below in "—Outstanding Equity Awards at Fiscal-Year End." On June 25, 2020, in connection with the commencement of his employment with us, Mr. Reali was granted 417,804 Phantom Units. In addition, on July 30, 2020, Mr. Reali was granted an option to purchase up to 5,935 equity interests of BV LLC at a per unit price of \$42.12 at any time prior to July 30, 2021 (or the termination of his service, if earlier), but Mr. Reali forfeited this option prior to our IPO. No other named executive officers received a grant of equity or phantom equity awards in 2020.

#### New Equity-Based Compensation

In connection with our IPO, our Board adopted the 2021 Incentive Award Plan (2021 Incentive Plan), in order to facilitate the grant of cash and equity incentives to our non-employee directors, employees (including our named executive officers) and consultants and employees and consultants of our subsidiaries and to enable our Company and our subsidiaries to obtain and retain the services of these individuals, which is essential to our long-term success. In connection with our IPO, we granted the following under the 2021 Incentive Plan to certain of our employees and non-employee directors, including the named executive officers:

- options to purchase 4,561,500 shares of Class A common stock that vest between two and four years from February 11, 2021 and
- restricted stock unit (RSU) awards for 293,170 and 67,500 to employees and non-employee directors, respectively, of shares of Class A common stock released between one and four years from February 11, 2021

In connection with our IPO, our Board also adopted the 2021 Employee Stock Purchase Plan (ESPP).

#### Severance

The employment letters in effect as of December 31, 2020 for each of our named executive officers provide for severance payments upon termination of employment by us at any time without cause (other than as a result of death or disability) or a termination by the named executive officer for good reason (as defined below) during the two year period following the date of a change in control (as defined in the respective employment letter). In the event of a termination by us without cause, each of our named executive officers would be entitled to receive (1) twelve months' base salary, payable in a lump sum within 60 days following termination of employment, (2) 100% of their respective target annual cash incentive, payable in a lump sum within 60 days following termination of employment, and (3) payment of COBRA premiums for the first twelve months of coverage following termination of employment. In the event of a termination by Messrs. Anglum, Nosenzo, D'Adamio and Ms. Pavesio for good reason during the two-year period following a change in control, Messrs. Anglum, Nosenzo, D'Adamio and Ms. Pavesio for good reason during the two-year period following a change in control, Messrs. Anglum, Nosenzo, D'Adamio and Ms. Pavesio for good reason during the two-year period following a change in control, Messrs. In the event of a termination by Mr. Reali for good reason during the two-year period following a change in control, Messrs. In the event of a termination by Mr. Reali for good reason during the two-year period following a change in control, under his employment letter Mr. Reali is entitled to receive enhanced severance equal to 18 months of each of his base salary and his target annual cash incentive, each payable in a lump sum on or about 60 days following termination of employment, as well as payment of COBRA premiums for the first 18 months of coverage following termination of employment. The severance payments are conditioned upon execution and delivery of a release and compliance with confidentiality and rest

In connection with his retirement on April 19, 2020, Mr. Bihl was not entitled to receive any severance or other benefits under his employment letter. Subsequent to his retirement, we entered into an agreement with Mr. Bihl on June 12, 2020, pursuant to which he received (i) a payment on June 16, 2020 of \$9.25 million, which represented a \$918,953 payment in full for amounts due to Mr. Bihl under the Phantom Plan, a \$6,328,629 payment for the redemption of 150,252 of his Profits Interest Units under the MIP, and an additional cash payment of \$2,006,796 to reflect the COVID-19-related decrease in value of his Phantom Plan award and the redeemed portion of his MIP award and (ii) a payment on February 8, 2021 of \$12.3 million, which represented a \$10,802,387 payment for the redemption of the remaining 183,078 of his Profits Interest Units under the MIP, and an additional cash payment of \$1,543,147 to reflect the COVID-19-related decrease in value.

In connection with our IPO, we entered into new employment agreements with each of Messrs. Reali, Anglum, Nosenzo, D'Adamio, and Ms. Pavesio that became effective February 11, 2021 and superseded their previous severance arrangements. Under these new employment agreements, it is anticipated that, upon a termination without cause or resignation by the named executive officer with good reason, each of our named executive officers are entitled to (i) twelve months' base salary (eighteen months in the case of Mr. Reali), payable in equal installments over the twelve month period (eighteen month period in the case of Mr. Reali) following such termination, (ii) 100% of target annual cash incentive (150% in the case of Mr. Reali), payable in equal installments over the twelve month period (eighteen month period in the case of Mr. Reali) following such termination, and (iii) payment of COBRA premiums for the first twelve months of coverage following termination of employment (eighteen months in the case of Mr. Reali). Additionally, upon a termination without cause or resignation by the named executive officer with good reason within the 24 month period following a change in control, each of our named executive officers are entitled to (i) eighteen months' base salary (twenty-four months in the case of Mr. Reali), payable in a lump sum within 60 days following such termination, (ii) 150% of target annual cash incentive (200% in the case of Mr. Reali), payable in a lump sum within 60 days following such termination, and (iv) full vesting acceleration of all equity awards. These severance payments will be conditioned upon execution and delivery of a release and compliance with the restrictive covenants described below in "—Restrictive Covenants."

# **Restrictive Covenants**

As of December 31, 2020 our named executive officers were subject to certain post-employment restrictive covenants, including twelve-month non-competition and non-solicitation obligations, as set forth in proprietary information agreements entered into with each named executive officer. Further, the employment letters for each of our named executive officers provide for mutual non-disparagement obligations.

In connection with our IPO, we entered into new post-employment restrictive covenants with our named executive officers, effective as of the date of tour IPO, including twelve-month (and eighteen months in the case of Mr. Reali) noncompetition and non-solicitation obligations (increased to eighteen-months (and twenty-four months in the case of Mr. Reali) in the event a named executive officer receives change in control severance, as described above) and perpetual confidentiality and non-disparagement obligations.

#### **Retirement Plans**

BV LLC currently maintains a 401(k) retirement savings plan, or the 401(k) plan, in which all BV LLC employees, including our named executive officers, who satisfy certain eligibility requirements may participate. The Internal Revenue Code allows eligible employees to defer a portion of their compensation, within prescribed limits, on a pre-tax basis through contributions to the 401(k) plan. Under the terms of the 401(k) plan, we currently make (a) non-discretionary matching contributions equal to 50% of the employee's contributions, up to a maximum of 6% of the employee's eligible compensation and (b) a non-elective contribution equal to 4.5% of the employee's compensation for the plan year. Due to the COVID-19 crisis, we suspended the 4.5% non-elective contribution effective May 3, 2020, but have reinstated such benefit effective December 26, 2020. Further, our board of managers has discretion under the 401(k) plan to provide for (i) annual discretionary matching contributions based on eligible compensation contributed by each employee and (ii) discretionary non-elective contributions in an amount determined by the board at year end, subject to continued employment through year end. We believe that providing a vehicle for tax-deferred retirement savings though the 401(k) plan adds to the overall desirability of our executive compensation package and further incentivizes our employees, including our named executive officers, in accordance with our compensation policies. We anticipate that our employees will continue to be eligible to participate in a 401(k) plan maintained by us.

## **Employee Benefits**

All of our full-time employees and working partners, including our named executive officers, are eligible to participate in health and welfare plans maintained by BV LLC, including:

- medical, dental and vision benefits;
- medical flexible spending accounts and health savings account;
- short-term and long-term disability insurance;
- basic life and accidental death & dismemberment insurance; and
- group accident, critical illness and hospital indemnity plans.

Our named executive officers participate in these plans on the same basis as other eligible employees. We do not maintain any supplemental health and welfare plans for our named executive officers. We reimburse our named executive officers for the full cost of their personal cellular phones. We believe the benefits described above are necessary and appropriate to provide a competitive compensation package to our named executive officers.

#### Section 280G

The employment letters for Messrs. Reali, Anglum and D'Adamio in effect as of December 31, 2020 and the new employment agreements we entered into with our named executive officers in connection with our IPO provide that, in the case of their receipt of any payments in connection with a change in control (as defined in the employment letter or agreement), or that would otherwise be considered an "excess parachute payment" within the meaning of Section 280G of the Code, such payments will be reduced to the maximum amount that does not trigger the excise tax imposed by Section 4999 of the Code if the named executive officer would be better off on a net after-tax basis with such reduction.

## **Retention Plan**

On April 13, 2020, we initiated a retention plan with Mr. Nosenzo for an aggregate amount of \$520,000 less applicable taxes. Payments of \$260,000 will be paid on each of May 4, 2021 and May 4, 2022, subject to Mr. Nosenzo's continued service through each such date; provided that if Mr. Nosenzo's employment is terminated for a reason that would qualify Mr. Nosenzo for severance benefits under his offer letter (x) before the May 4, 2021 payment date he will receive \$260,000 in a single lump sum within 60 days following termination of employment and (y) after the May 4, 2021 payment date but before the May 4, 2022 payment date he will receive \$260,000 in a lump sum within 60 days following the termination date. Any such payments are in addition to any severance benefits under Mr. Nosenzo's offer letter.

## **Outstanding Equity Awards at Fiscal Year-End**

The following table summarizes the number of option awards and profits interest units (including the number of profits interest units underlying Phantom Units) for our named executive officers as of December 31, 2020. For additional information about the outstanding equity awards granted to our named executive officers, please see the section titled "—Equity-based compensation" above.

			Option Av	vards <sup>(8</sup>	5)		Stock A	wards					
Name	Grant Date	Number of securities underlying unexercised options (#) exercisable	securities underlying unexercised		securities underlying unexercised options (#)		securities securities nderlying underlying nexercised unexercised Option ptions (#) options (#) Exercise Price		ercise Price Option		Number of profits interest units (including profits interest units underlying phantom units <sup>(1)</sup> that have not vested <sup>(2)</sup> (#)	interest profit underlyir	Value <sup>(3)</sup> of profits units (including s interest units ng phantom units) ve not vested (\$)
Kenneth Reali	4/13/2020						417,804 (4)	\$	7,716,840				
	7/30/2020	5,935	—	\$	42.12	7/30/2021							
Gregory O. Anglum	04/04/2016						2,000 (6)		94,300				
	05/01/2017						28,500 (6)		1,257,420				
	9/17/2018						20,000 (6)		580,600				
John E. Nosenzo	02/06/2017						31,250 (7)		1,378,750				
	9/17/2018						25,000 (7)		725,750				
Anthony D'Adamio	8/14/2017						14,000 (8)		617,680				
	9/17/2018						15,000 (8)		435,450				
Alessandra Pavesio	9/17/2018						20,000 <sup>(9)</sup>		580,600				

<sup>(1)</sup> The Phantom Units do not have an expiration date; provided that any Phantom Units granted on September 17, 2018 that do not vest as a result of achieving 2020 revenue targets on June 1, 2021 will expire.

- (2) This column shows the number of profits interest units held by Mr. Bihl and the number of Phantom Units held by our other named executive officers that have not vested. Phantom Units generally represent the right to receive cash amounts from us based on the distributions that would be made to an equivalent number of profits interests with an equivalent benchmark amount. The benchmark amounts represent the cumulative distributions that must be made by us pursuant to the Bioventus LLC Agreement before a grantee is entitled to receive any distributions or payments in respect of such grantee's units. The benchmark amount for Mr. Anglum's 2016 grant of Phantom Units is \$472,003,000, for Messrs. Nosenzo, Anglum, and D'Adamio's 2017 grant is \$510,000,000, for Messrs. Anglum, Nosenzo and D'Adamio's and Ms. Pavesio's 2018 grant of Phantom Units is \$703,691,178, and for Mr. Reali's 2020 grant of Phantom Units on June 25, 2020 is \$840,849,878.
- <sup>(3)</sup> Market value is determined based on an independent valuation report on the fair market value of the Company.
- <sup>(4)</sup> Mr. Reali was granted 417,804 Phantom Units on June 25, 2020; 20% of such grant will vest on April 13, 2021 and 5% will vest each quarter thereafter.
- <sup>(5)</sup> Mr. Reali was granted 5,935 options to purchase equity interests of BV LLC on July 30, 2020, all of which were fully vested and exercisable at the time of grant.
- <sup>(6)</sup> Mr. Anglum was granted 20,000 Phantom Units on April 4, 2016 and 95,000 Phantom Units on May 1, 2017; 20% of each grant vested on the first anniversary of the grant date and 5% vests each quarter thereafter. Mr. Anglum was also granted 20,000 Phantom Units on September 17, 2018; these units will vest on June 1, 2021 at 100% if 2020 revenue is greater than or equal to \$391.8 million and at 75% if 2020 revenue is greater than or equal to \$336.0 million.
- (7) Mr. Nosenzo was granted 125,000 Phantom Units on February 6, 2017; 20% of these Phantom Units vested on February 6, 2018 and 5% vests each quarter thereafter. Mr. Nosenzo was also granted 25,000 Phantom Units on September 17, 2018; these units will vest on June 1, 2021 at 100% if 2020 revenue is greater than or equal to \$391.8 million and at 75% if 2020 revenue is greater than or equal to \$336.0 million.

- (8) Mr. D'Adamio was granted 40,000 Phantom Units on August 14, 2017; 20% of such grant vested on the first anniversary of the grant date and 5% vests each quarter thereafter. Mr. D'Adamio was also granted 15,000 Phantom Units on September 17, 2018; these units will vest on June 1, 2021 at 100% if 2020 revenue is greater than or equal to \$391.8 million and at 75% if 2020 revenue is greater than or equal to \$336.0 million.
- <sup>(9)</sup> Ms. Pavesio was granted 20,000 Phantom Units on September 17, 2018; these units will vest on June 1, 2021 at 100% if 2020 revenue is greater than or equal to \$391.8 million and at 75% if 2020 revenue is greater than or equal to \$336.0 million. Ms. Pavesio was also granted 83,333 Phantom Units on July 22, 2013, 15,000 Phantom Units on June 1, 2015, and 11,392 Phantom Units on April 21, 2016, all of which were fully vested as of December 31, 2020.

#### **Director Compensation**

The following table sets forth information concerning the compensation of the current members of the BV LLC board of managers for the year ended December 31, 2020.

Name	Year	Fees Earned or Paid in Cash (\$)(1)	Total (\$)(2)
William A. Hawkins(3)	2020	\$ 90,000	\$ 90,000
Susan M. Stalnecker(3)	2020	60,000	60,000
Guy P. Nohra	2020		
Martin P. Sutter	2020	_	—
Bradley J. Cannon	2020		—
David J. Parker	2020	_	—
Philip G. Cowdy	2020		
Guido J. Neels	2020	_	—

<sup>&</sup>lt;sup>(1)</sup> Mr. Hawkins received an annual retainer of \$40,000 for his service as a member of the board and an additional annual retainer fee of \$50,000 for his service as chairman of the board. Ms. Stalnecker received an annual retainer fee of \$50,000 for her service as a member of the board and an additional annual retainer fee of \$10,000 for her service on the Audit and Risk Committee of the board. No other members of our board received any cash compensation in 2020.

- <sup>(2)</sup> No members of our board received equity compensation awards in 2020.
- (3) As of December 31, 2020, Mr. Hawkins held 50,000 Phantom Units, 95% of which were vested and 5% of which were unvested, and Ms. Stalnecker held 50,000 Phantom Units, 40% of which were vested and 60% of which were unvested, respectively. The benchmark amount for Mr. Hawkins's grant of Phantom Units is \$472,003,000 and the benchmark amount for Ms. Stalnecker's grant of Phantom Units is \$703,691,178.

In connection with our December 11, 2015 offer to Mr. Hawkins to join the BV LLC board of managers as its chairman, we agreed, pursuant to an offer letter, effective January 1, 2016, to (1) pay Mr. Hawkins an annual retainer fee of \$40,000 for his service as a member of the board and \$50,000 for his service as chairman of the board, each payable in quarterly installments in arrears and pro-rated for any partial period of service and (2) award Mr. Hawkins a one-time grant of 50,000 Phantom Units under the Phantom Plan.

Effective November 28, 2018, pursuant to an offer letter with Ms. Stalnecker providing for her appointment as a member of our board and chair of the Audit and Risk Committee, we agreed to (1) pay Ms. Stalnecker an annual retainer fee of \$50,000 for her service as a member of the board and \$10,000 for her participation in the Audit and Risk Committee, each payable in quarterly installments in arrears and pro-rated for any partial period of service and (2) award Ms. Stalnecker 50,000 Phantom Units under the Phantom Plan. Ms. Stalnecker received a prorated payment of \$9,167 for her time on the board and on the Audit and Risk Committee in 2018.

Our non-employee director compensation policy, which became effective February 11, 2021, provides that each non-employee director receives an annual cash retainer of \$55,000. In addition, (i) the Chairperson of the Board shall receive an additional annual retainer of \$50,000, (ii) the Lead Director of the Board shall receive an additional annual retainer of \$30,000, (iii) the Chairpersons of the Audit and Risk Committee, Compensation Committee, Nominating and Corporate Governance Committee, and Compliance, Ethics and Culture Committee shall receive additional annual retainers of \$20,000, \$15,000, \$10,000, and \$10,000, respectively, and (iv) non-Chairperson members of the Audit and Risk Committee, Compensation Committee, Nominating and Corporate Governance Committee, and Compliance, Ethics and Culture Committee shall receive additional annual retainers of \$10,000, \$7,500, \$5,000 and \$5,000, respectively. In addition, each such non-employee director receives an annual RSU award with a grant date value of \$152,000, with all such annual RSU awards (other than those received in respect of a non-employee director's initial year of service, as described below) vesting on the first anniversary of the grant date of the award (or immediately prior to the date of the annual shareholder meeting immediately following the date of grant, if sooner), subject to such non-employee director continuing in service through such date. RSU awards for each non-employee director's initial year of service shall vest in three equal installments, with the first installment vesting on the first anniversary of the grant date of such initial award (or immediately prior to the date of the annual shareholder meeting immediately following the date of grant, if sooner) and the second and third installments vesting on the first and second anniversaries of such first vesting date, subject to such non-employee director continuing in service through each such date (and any such nonemployee director who commences service on a date other than the date of the annual shareholder meeting receives a pro-rata restricted stock unit award for such initial year of service). In addition, on February 11, 2021, in connection with our IPO, each nonemployee director received a RSU award with a grant date value of \$152,000 that vests on the first anniversary of the grant date of the award. Each RSU award awarded under the policy accelerates and vests in full upon a change in control (as defined in the 2021 Incentive Plan). In addition, each non-employee director is reimbursed for out-of-pocket expenses in connection with his or her services.

## Item 12. Security Ownership of Certain Beneficial Owner and Management and Related Stockholder Matters.

## Securities authorized for issuance under equity compensation plans

As of December 31, 2020, there was no public market for our common stock and there were no equity compensation plans approved by security holders under which our equity securities were authorized for issuance. The following table provides, as of March 22, 2021, equity compensation plan information for all plans under which equity securities are authorized for issuance.

	Number of securities to be issued upon exercise of outstanding options and rights (a)	Weighted-average exercise price of outstanding options and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected under column (a)) <sup>(4)</sup> (c)
Equity compensation plans approved by security holders <sup>(1)</sup>	4,922,170 (2)	\$ 13.00 <sup>(3)</sup>	3,212,626
Equity compensation plans not approved by security holders	_	—	—

<sup>(1)</sup> Consists of the Bioventus Inc. 2021 Incentive Award Plan (2021 Plan) and the Bioventus Inc. 2021 Employee Stock Purchase Plan (2021 ESPP).

- (2) Includes 4,561,500 outstanding options to purchase shares of our Class A common stock and 360,670 outstanding restricted stock units under the 2021 Plan. There were no agreements outstanding to purchase shares of our Class A common stock under the 2021 ESPP.
- <sup>(3)</sup> The weighted average exercise price in column (b) does not take into account outstanding restricted stock units, which do not have an exercise price.
- (4) Includes 2,670,306 shares of Class A common stock available for future issuance under the 2021 Plan and 542,320 shares of Class A common stock available for future issuance under the 2021 ESPP. The number of shares of Class A common stock reserved for issuance under the 2021 Plan will automatically increase on January 1 of each calendar year from January 1, 2022 through January 1, 2031, by that number of shares of Class A common stock equal to the lesser of (i) 4.5% of the shares of all of the classes of our Class A common stock outstanding on the last day of the immediately preceding fiscal year and (ii) such smaller number of shares of Class A common stock as determined by the board of directors. The number of shares of Class A common stock equal to the lesser of or issuance under the 2021 ESPP will automatically increase on January 1 of each calendar year from January 1, 2022 through January 1, 2031, by that number of shares of Class A common stock equal to the lesser of an under the 2021 ESPP will automatically increase on January 1 of each calendar year from January 1, 2022 through January 1, 2031, by that number of shares of Class A common stock equal to the lesser of (A) 1% of the shares of all of our Class A common stock outstanding on the final day of the immediately preceding calendar year and (B) such smaller number of shares of Class A common stock as determined by the board of directors.

Prior to our IPO, BV LLC maintained the Phantom Plan, pursuant to which we granted Units in order to foster and promote our long-term success by helping attract and maintain a superior management team and to motivate superior performance by employees selected to participate in the Phantom Plan. As of December 31, 2020, there were 1,651,709 units outstanding. In connection with our IPO, we terminated the Phantom Plan and Bioventus Inc. assumed the obligations of BV LLC. Vested Phantom Plan awards granted to employees that were active employees on February 11, 2021 will be paid in the form of shares of Class A common stock after the one year anniversary. The number of shares of Class A common stock were determined by dividing (i) the value of the participant's vested Phantom Units (after giving effect to any accelerations in vesting in connection with our IPO) as of February 11, 2021 by (ii) the \$13.00 IPO price of our Class A common stock. Upon the one year anniversary of our IPO 798,422 shares of Class A common stock will be issued in settlement of the outstanding units.

## Security Ownership of Certain Beneficial Owner and Management

The following table presents information as to the beneficial ownership of our Class A common stock and Class B common stock, and of March 22, 2021 for:

- each person, or group of affiliated persons, known by us to beneficially own more than 5% of our Class A common stock or our Class B common stock;
  each named executive officer;
- each of our directors: and
- all executive officers and directors as a group.

As described in *Part III, Item 13. Certain Relationships and Related Transactions, and Director Independence*—Bioventus LLC Agreement, the Continuing LLC Owner is entitled to have its LLC Interests (as defined below) redeemed for Class A common stock on a one-for-one basis, or, if we and the Continuing LLC Owner agree, a cash payment equal to the market value of the applicable number of our shares of Class A common stock. In addition, at Bioventus' election, Bioventus may effect a direct exchange of such Class A common stock or such cash (if mutually agreed) for such LLC Interests in lieu of such a redemption. In connection with our IPO, we issued to the Continuing LLC Owner one share of Class B common stock for each LLC Interest it owns. As a result, the number of shares of Class B common stock listed in the table below correlates to the number of LLC Interests the Continuing LLC Owner owns.

The number of shares beneficially owned by each stockholder is determined under rules issued by the SEC and includes voting or investment power with respect to securities. Under these rules, beneficial ownership includes any shares as to which the individual or entity has sole or shared voting power or investment power. In computing the number of shares beneficially owned by an individual or entity and the percentage ownership of that person, shares of common stock subject to options, or other rights, including the redemption right described above, held by such person that are currently exercisable or will become exercisable within 60 days of March 22, 2021, are considered outstanding, although these shares are not considered outstanding for purposes of computing the percentage ownership of any other person. Unless otherwise indicated, the address of each of the individuals and entities named below is c/o Bioventus Inc., 4721 Emperor Boulevard, Suite 100, Durham, NC 27703. Each of the stockholders listed has sole voting and investment power with respect to the shares beneficially owned by the stockholder unless noted otherwise, subject to community property laws where applicable.

	Shares of Class A Common Stock Beneficially Owned		Shares of Class B Com Beneficially Ow		Combined Voting Power <sup>(1)</sup>
Name of Beneficial Owner	Number	%	Number	%	%
5% Stockholders					
EW Healthcare Partners <sup>(2)</sup>	13,021,324	31.7 %	—	*	22.9 %
Smith & Nephew <sup>(3)</sup>	6,229,991	15.2 %	15,786,737	100 %	38.7 %
Spindletop Healthcare Capital L.P. <sup>(4)</sup>	3,906,395	9.5 %	—	*	6.9 %
Ampersand Capital <sup>(5)</sup>	3,255,332	7.9 %	—	*	5.7 %
Pantheon Global Co-Investment Opportunities Fund L.P. <sup>(6)</sup>	2,821,283	6.9 %	_	*	5.0 %
Alta Partners VIII, L.P. <sup>(7)</sup>	2,604,264	6.3 %	—	*	4.6 %
Integrated Core Strategies (US) LLC <sup>(8)</sup>	2,432,581	5.9 %	_	*	4.3 %
Name Executive Officers and Directors					
Kenneth M. Reali	9,375	*	_	*	*
Gregory O. Anglum	6,000	*	_	*	*
John E. Nosenzo	500	*	_	*	*
Anthony D'Adamio	1,000	*	_	*	*
Alessandra Pavesio	_	*	_	*	*
William A. Hawkins	—	*	—	*	*
Philip G. Cowdy	—	*	—	*	*
Guido J. Neels	—	*	—	*	*
Guy P. Nohra	—	*	—	*	*
David J. Parker	—	*	—	*	*
Martin P. Sutter	—	*	—	*	*
Susan M. Stalnecker	—	*	—	*	*
All directors and executive officers as a group (13 persons)	16,875	*	_	*	*

\*Represents beneficial ownership of less than 1%.

<sup>(1)</sup> Represents the voting power of each owner based on the voting power held through both the owner's Class A common stock and Class B common stock. Represents percentage of voting power of the Class A common stock and Class B common stock of Bioventus voting together as a single class.



- (2) Represents 12,096,702 shares held by EW Healthcare Partners Acquisition Fund, L.P., which we refer to as the "Essex Stockholder," and 924,622 shares held by White Pine Medical, LLC, a subsidiary of the Essex Stockholder, which we refer to as "White Pine." EW Healthcare Partners Acquisition Fund GP, L.P., a Delaware limited partnership, is the general partner of the Essex Stockholder and is referred to as the "Partnership," and EW Healthcare Partners Acquisition Fund UGP, LLC, a Delaware limited liability company, is the general partner of the Partnership and is referred to as the "General Partner." Martin P. Sutter, Petri Vainio, Ronald W. Eastman, and Scott Barry are the managers of the General Partner, and each is referred to as a "Manager" and collectively as the "Managers." The Partnership is deemed to have sole voting and dispositive power with respect to the shares held by the Essex Stockholder and White Pine. The Managers are deemed to have shared voting and dispositive power with respect to the shares held by the Essex Stockholder and White Pine by unanimous consent and through the Partnership. Each Manager disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein. The address of the Essex Stockholder and White Pine is 21 Waterway Avenue, Suite 225, The Woodlands, Texas 77380.
- (3) Represents the shares of Class A common stock held by Smith & Nephew (Europe) B.V., a wholly owned indirect Dutch subsidiary of Smith & Nephew plc, and the shares of Class B common stock held by Smith & Nephew, Inc., a wholly owned indirect U.S. subsidiary of Smith & Nephew plc. The address of Smith & Nephew (Europe) B.V. is Bloemlaan 2, 2132 NP Hoofddorp, Netherlands. The address of Smith & Nephew, Inc. is 7135 Goodlett Farms, Cordova, Tennessee 38106.
- (4) Represents shares held by Spindletop Healthcare Capital L.P. Evan Melrose, MD is the Manager of the General Partner of the General Partner of Spindletop Healthcare Capital L.P. and may be deemed to have shared voting and dispositive power with respect to the shares held by Spindletop Healthcare Capital L.P. The address of Spindletop Healthcare Capital L.P. is 3571 Far West Blvd., PMB #108, Austin, Texas 78731.
- (5) Represents shares held by AMP-CF Holdings, LLC, which we refer to as the "Ampersand Capital Stockholder." Herbert H. Hooper, the Managing Member of the General Partner of the General Partner of each of the members and managers of the Ampersand Capital Stockholder, may be deemed to have voting and dispositive power with respect to shares held by the Ampersand Capital Stockholder. The address of the Ampersand Capital Stockholder is in care of Ampersand Capital Partners, 55 William Street, Suite 240, Wellesley, Massachusetts 02481.
- (6) Represents shares held by Pantheon Global Co-Investment Opportunities Fund L.P. David Braman, Susan Long McAndrews and Lily Wong are directors of Pantheon Global Co-Investment Opportunities GP Limited, the general partner of Pantheon Global Co-Investment Opportunities Fund, L.P. and make the investment and voting decisions with respect to shares held by of Pantheon Global Co-Investment Opportunities Fund, L.P. The address of Pantheon Global Co-Investment Opportunities Fund L.P. is 600 Montgomery Street, 23rd Floor, San Francisco, CA 94111.
- (7) Represents shares held by Alta Partners VIII, L.P. Alta Partners Management VIII, LLC is the general partner of Alta Partners VIII, L.P. Guy Nohra, Daniel Janney and Farah Champsi are managing directors of Alta Partners Management VIII, LLC and exercise shared voting and investment powers with respect to the shares owned by Alta Partners VIII, L.P. Each of the reporting persons disclaims beneficial ownership of such shares, except to the extent of their proportionate pecuniary interest therein, if any. The principal business address of Alta Partners VIII, L.P. is One Embarcadero Center, 37th Floor San Francisco, CA 94111.

(8) Pursuant to the Schedule 13G filed with the SEC by Integrated Core Strategies (US), LLC (Integrated Core Strategies) et al, reporting ownership of these shares of Class A common stock as of March 16, 2021. As reported in said Schedule 13G, Integrated Core Strategies reports shared voting and dispositive power with respect to 2,033,399 shares of Class A common stock, ICS Opportunities II LLC (ICS Opportunities II) reports shared voting and dispositive power with respect to 75,287 shares of Class A common stock, ICS Opportunities, Ltd. (ICS Opportunities) reports shared voting and dispositive power with respect to 310,116 shares of Class A common stock, Integrated Assets, Ltd. (Integrated Assets) reports shared voting and dispositive power with respect to 13,779 shares of Class A common stock, Millennium International Management LP (Millennium International Management) reports shared voting and dispositive power with respect to 399,182 shares of Class A common stock, Millennium Management LLC (Millennium Management) reports shared voting and dispositive power with respect to 2,432,581 shares of Class A common stock, Millennium Group Management LLC (Millennium Group Management) reports shared voting and dispositive power with respect to 2,432,581 shares of Class A common stock, and Israel A. Englander reports shared voting and dispositive power with respect to 2,432,581 shares of Class A common stock. Millennium International Management is the investment manager to ICS Opportunities II, ICS Opportunities and Integrated Assets (collective, the ICS Entities) and is deemed to have beneficial ownership of their respective securities. Millennium Management is the general partner of the managing member of Integrated Core Strategies and the general partner of the 100% owner of the ICS Funds is deemed to have beneficial ownership of the securities owned by each of Integrated Core Strategies and the ICS Entities (collectively, the Integrated Entities). Millennium Group Management is the managing member of Millennium Management and general partner of Millennium International Management and is deemed to have beneficial ownership of the securities owned by the Integrated Entities. The managing member of Millennium Group Management is a trust of which Mr. Englander, a United States citizen, currently serves as the sole voting trustee, and therefor Mr. Englander is deemed to have beneficial ownership of securities owned by the Integrated Entities. The address of Mr. Englander and each of the foregoing entities is 399 Park Avenue, New York, New York 10022.

#### Item 13. Certain Relationships and Related Transactions, and Director Independence

#### **Policies and Procedures for Related Person Transactions**

Our Board has adopted a written Related Party Transaction Policy, which sets forth the policies and procedures for the review and approval or ratification of related person transactions. This policy covers, with certain exceptions set forth in Item 404 of Regulation S-K, any transaction, arrangement or relationship, or any series of similar transactions, arrangements or relationships, in which we were (or any of our subsidiaries) are to be a participant, where the amount involved exceeds \$120,000 since the beginning of the prior fiscal year and a related person had, has or will have a direct or indirect material interest.

Under the policy, our legal team is primarily responsible for developing and implementing procedures to obtain information regarding related persons and with respect to potential related person transactions, and then determining, based on the facts and circumstances, whether such transactions constitute related person transactions subject to the policy. Our general counsel is then required to present to the Audit and Risk Committee each proposed related person transaction. In reviewing and approving any such transactions, our Audit and Risk Committee is tasked to consider all relevant facts and circumstances, including, but not limited to, whether the transaction is on terms comparable to those that could be obtained in an arm's length transaction and the extent of the related person's interest in the transaction.

If advance Audit and Risk Committee approval of a related person transaction is not feasible, then the transaction may be preliminarily entered into by management upon prior approval by the chairperson of the Audit and Risk Committee, subject to ratification of the transaction by the Audit and Risk Committee at such committee's next regularly scheduled meeting. Management is responsible for updating the Audit and Risk Committee as to any material changes to any approved or ratified related person transaction and for providing a status report at least annually of all then current related person transactions at a regularly scheduled meeting of the Audit and Risk Committee in approval of a related person transaction for which he or she is a related person. Unless noted otherwise, all of the transactions, agreements or relationships described in this section occurred prior to the adoption of this policy.

Since January 1, 2020, we engaged in certain transactions for which the amount involved exceeds \$120,000 with our directors, executive officers or beneficial holders of more than 5% of our Class A common stock, or immediate family member thereof. The following are summaries of certain provisions of our agreements with related persons and are qualified in their entirety by reference to all of the provisions of such agreements. Because these descriptions are only summaries of the applicable agreements, they do not necessarily contain all of the information that you may find useful. We therefore urge you to review the agreements in their entirety. Copies of the agreements (or forms of the agreements) are included as exhibits to this Annual Report on Form 10-K, and are available electronically on the website of the SEC at www.sec.gov.

## **Our IPO and Transactions**

In connection with the IPO, we engaged in certain transactions with certain of our directors, executive officers and other persons and entities which are or became holders of 5% or more of our voting securities upon the consummation of the IPO and including, without limitation (a) the amendment and restatement of the limited liability company agreement of BV LLC (Bioventus LLC Agreement) entered into by us and Smith & Nephew Inc. (the Continuing LLC Owner) to, among other things, (i) provide for a new single class of common membership interests in BV LLC (LLC Interests), (ii) exchange all of the then existing membership interests of the holders of BV LLC membership interests (Original LLC Owners) for LLC Interests and (iii) appoint Bioventus Inc. as the sole managing member of BV LLC; (b) the acquisition, by various mergers, certain members of BV LLC prior to the IPO (the Former LLC Owners) for which we issued 31,838,589 shares of Class A common stock as merger consideration (Merger); (c) entry into a tax receivable agreement (TRA) with the Continuing LLC Owner, the Stockholders Agreement (as defined below) and the Registration Rights Agreement (as defined below) and (d) the satisfaction of a \$3.3 million cash entitlement of the Continuing LLC Owner, in respect of an equity participation right unit held by the Continuing LLC Owner.

The Merger involved the exchange of the indirect ownership interest in LLC Interests held by Former LLC Owners and occurred as a result of various mergers, whereby, in each case, a newly formed subsidiary of Bioventus merged into an entity that holds LLC Interests (and of which the Former LLC Owners were owners) with each entity becoming a wholly owned subsidiary of Bioventus and the Former LLC Owners receiving Class A common stock. Each Former LLC Owner and/or one or more its affiliates has agreed, pursuant to their respective merger agreement, to indemnify us against all historic liabilities of the entity transferred in the applicable merger. Subsequent to these mergers, each such entity merged into Bioventus resulting in Bioventus owning directly the LLC Interests exchanged by the Former LLC Owners pursuant to the initial mergers. In connection with the Merger, the aggregate fair value of the Class A common stock transferred to certain of the Former LLC Owners, including EW Healthcare Partners, Smith & Nephew (Europe) B.V., Spindletop Healthcare Capital L.P., Ampersand Capital, Pantheon Global Co-Investment Opportunities Fund L.P. and Alta Partners VIII, L.P., each beneficially owing 5% or more of our Class A common stock, was approximately \$413.9 million.

#### **Tax Receivable Agreement**

We expect to obtain an increase in our share of the tax basis of the assets of BV LLC when the Continuing LLC Owner receives shares of our Class A common stock or, if we and the Continuing LLC Owner agree, cash in connection with an exercise of the Continuing LLC Owner's right to have its LLC Interests redeemed by BV LLC or, at our election, directly exchanged (such basis increases, together with the basis increases resulting from certain distributions (or deemed distributions) from BV LLC, the "Basis Adjustments"). We intend to treat such redemptions or exchanges of LLC Interests as the direct purchase of LLC Interests by us from the Continuing LLC Owner for U.S. federal income and other applicable tax purposes, regardless of whether such LLC Interests are surrendered by the Continuing LLC Owner to BV LLC for redemption or sold to us upon the exercise of our election to acquire such LLC Interests directly. A Basis Adjustment may have the effect of reducing the amounts that we would otherwise pay in the future to various tax authorities. The Basis Adjustments may also decrease gains (or increase losses) on future dispositions of certain capital assets to the extent tax basis is allocated to those capital assets.

We entered into the TRA with the Continuing LLC Owner. The TRA provides for our payment to the Continuing LLC Owner of 85% of the amount of tax benefits, if any, that we actually realize, or in some circumstances are deemed to realize, as a result of any Basis Adjustments and certain other tax benefits arising from payments under the TRA. BV LLC has in effect an election under Section 754 of the Code effective for each taxable year in which a redemption or exchange (including deemed exchange) of LLC Interests for shares of our Class A common stock or cash occurs. These TRA payments are not conditioned upon any continued ownership interest in either BV LLC or us by the Continuing LLC Owner. The rights of the Continuing LLC Owner under the TRA are assignable to transferees of its LLC Interests (other than us as transferee pursuant to subsequent redemptions or exchanges of the transferred LLC Interests). We expect to benefit from the remaining 15% of tax benefits, if any, that we may actually realize.

The actual Basis Adjustments, as well as any amounts paid to the Continuing LLC Owner under the TRA, will vary depending on a number of factors, including:

- the timing of any subsequent redemptions or exchanges—for instance, the increase in any tax deductions will vary depending on the fair value, which may fluctuate over time, of the depreciable or amortizable assets of BV LLC at the time of each redemption or exchange;
- the price of shares of our Class A common stock at the time of redemptions or exchanges—the Basis Adjustments, as well as any related increase in any
  tax deductions, is directly related to the price of shares of our Class A common stock at the time of each redemption or exchange;
- the extent to which such redemptions or exchanges are taxable—if a redemption or exchange is not taxable for any reason, increased tax deductions will not be available; and

 the amount and timing of our income—the TRA generally requires us to pay 85% of the tax benefits as and when those benefits are treated as realized under the terms of the TRA. Except as discussed below in cases of (i) a material breach of a material obligation under the TRA, (ii) a change of control or (iii) an early termination of the TRA, if we do not have taxable income, it will generally not be required to make payments under the TRA for that taxable year because no tax benefits will have been realized. However, any tax benefits that do not result in realized tax benefits in a given taxable year may generate tax attributes that may be utilized to generate tax benefits in future taxable years. The utilization of any such tax attributes will result in payments under the TRA.

For purposes of the TRA, cash savings in income tax will be computed by comparing our actual income tax liability to the amount of such taxes that it would have been required to pay had there been no Basis Adjustments and had the TRA not been entered into. The TRA generally applies to each of our taxable years, beginning with the first taxable year ending after the consummation of the offering. There is no maximum term for the TRA; however, the TRA may be terminated by us pursuant to an early termination procedure that requires us to pay the Continuing LLC Owner an agreed upon amount equal to the estimated present value of the remaining payments to be made under the agreement (calculated based on certain assumptions, including regarding tax rates and utilization of the Basis Adjustments).

The payment obligations under the TRA are our obligation and not BV LLC's. Although the actual timing and amount of any payments that may be made under the TRA will vary, we expect that the payments that we may be required to make to the Continuing LLC Owner could be significant. Any payments made by us to the Continuing LLC Owner under the TRA generally reduces the amount of overall cash flow that might have otherwise been available to us or to BV LLC and, to the extent that we are unable to make payments under the TRA for any reason, the unpaid amounts generally are deferred and accrue interest until paid by us.

Decisions made by us in the course of running our business, such as with respect to mergers, asset sales, other forms of business combinations or other changes in control, may influence the timing and amount of payments that are received by the Continuing LLC Owner under the TRA. For example, the earlier disposition of assets following a transaction that results in a Basis Adjustment generally accelerate payments under the TRA and increase the present value of such payments.

The TRA provides that if (i) we materially breach any of our material obligations under the TRA, (ii) certain mergers, asset sales, other forms of business combination, or other changes of control were to occur, on or before December 31, 2021 or (iii) we elect an early termination of the TRA, then our obligations, or our successor's obligations, under the TRA would be based on certain assumptions, including an assumption that we would have sufficient taxable income to fully utilize all potential future tax benefits that are subject to the TRA. The TRA also provides that in the case of certain mergers, asset sales, other forms of business combination or other changes of control occurring on or after December 31, 2021, payments under the TRA would be based on certain assumptions, including an assumption that in each taxable year ending on or after the change of control, we would have taxable income equal to the greater of (A) actual taxable income for such taxable year and (B) the product of (x) four and (y) the highest taxable income in any of the four fiscal quarters ended prior to the change in control (increased by 10% for each taxable year beginning with the second taxable year following the change in control), in each case, as adjusted to take into account our actual percentage ownership in BV LLC for the taxable year for which the tax benefit payment is being determined.

As a result of the foregoing, (i) we could be required to make cash payments to the Continuing LLC Owner that are greater than the specified percentage of the actual benefits we ultimately realize in respect of the tax benefits that are subject to the TRA, and (ii) if we materially breach any of our material obligations under the TRA or if we elected to terminate the TRA early, we would be required to make an immediate cash payment equal to the present value of the anticipated future tax benefits that are the subject of the TRA, which payment may be made significantly in advance of the actual realization, if any, of such future tax benefits. In these situations, our obligations under the TRA could have a material adverse effect on our liquidity and could have the effect of delaying, deferring or preventing certain mergers, asset sales, other forms of business combination, or other changes of control. There can be no assurance that we will be able to finance our obligations under the TRA. We anticipate funding ordinary course payments under the TRA from distributions from BV LLC out of distributable cash, to the extent permitted by our agreements governing our indebtedness.

Payments under the TRA are based on the tax reporting positions that we determine. Pursuant to the TRA, the Continuing LLC Member is required to reimburse us for cash payments previously made to it pursuant to the TRA if any tax benefits actually realized by us are subsequently challenged by a taxing authority and ultimately disallowed. In addition, but without duplication of any amounts previously reimbursed by the Continuing LLC Owner, any excess cash payments made by us to the Continuing LLC Owner will be netted against any future cash payments that we might otherwise be required to make under the terms of the TRA. However, a challenge to any tax benefits actually realized by us may not arise for a number of years following the initial time of such payment and we might not determine that we have effectively made an excess cash payment to the Continuing LLC Owner for a number of years following the initial time of such payment. Moreover, there can be no assurance that any excess cash payments for which the Continuing LLC Owner has a reimbursement obligation under the TRA will be repaid to us. As a result, it is possible that we could make cash payments under the TRA that are substantially greater than our actual cash tax savings. The applicable U.S. federal income tax rules are complex and factual in nature, and we cannot assure you that the IRS or a court will not disagree with our tax reporting positions. We have full responsibility for, and sole discretion over, all of our and BV LLC's tax matters, including the filing and amendment of all tax returns and claims for refund and defense of all tax contests, subject to certain participation and approval rights held by the Continuing LLC Owner.

Payments are generally due under the TRA within a specified period of time following the filing of our tax return for the taxable year with respect to which the payment obligation arises, although interest on such payments begin to accrue at a rate of LIBOR plus 100 basis points from the due date, without extensions, of such tax return and ending on the date that such payments are required to be made under the terms of the TRA. Any late payments that may be made under the TRA continue to accrue interest at LIBOR plus 500 basis points from the due date of such payments under the TRA until such payments are made, including any late payments that we may subsequently make because we did not have enough available cash to satisfy our payment obligations at the time at which they originally arose, including as a result of restrictions on payments to our equity owners in the agreements governing our indebtedness. There were no payments to the Continuing LLC Owner made by the Company pursuant to this agreement since January 1, 2020.

#### **Bioventus LLC Agreement**

We operate our business through BV LLC and its subsidiaries. We and the Continuing LLC Owner entered into the Bioventus LLC Agreement, which sets forth terms for the operations of BV LLC, and the rights and obligations of the holders of LLC Interests.

#### Appointment as Manager

Under the Bioventus LLC Agreement, we are a member and the sole manager of BV LLC. As the sole manager, we are able to control all of the day-to-day business affairs and decision-making of BV LLC. As such, we, through our officers and directors, are responsible for all operational and administrative decisions of BV LLC and the day-to-day management of BV LLC's business. Pursuant to the terms of the Bioventus LLC Agreement, we cannot, under any circumstances, be removed as the sole manager of BV LLC except by our election.

#### Compensation

We are not entitled to compensation for our services as manager. We are entitled to reimbursement or capital contribution credit by BV LLC for fees and expenses incurred on behalf of BV LLC, including all expenses associated with our IPO and maintaining our corporate existence.

## Recapitalization.

The Bioventus LLC Agreement recapitalizes the units that were held prior to the IPO in BV LLC into a new single class of common membership units, which we refer to as the "LLC Interests." Each LLC Interest entitles the holder to a pro rata share of the net profits and net losses and distributions of BV LLC.

## Distributions

The Bioventus LLC Agreement requires "tax distributions" to be made by BV LLC to its members, as that term is defined in the agreement. Tax distributions will be made to members on a pro rata basis, including us, in an amount sufficient to allow the members, including us, to pay taxes owed in respect of income allocated by BV LLC and to allow us to meet our obligations under the TRA (as described above under the heading "Tax Receivable Agreement" above). For tax distributions made in the fiscal year ending December 31, 2021 (the 2021 fiscal year), the tax rate that we expect to use for purposes of determining tax distributions from BV LLC to its members will equal the combined federal, state, and local statutory tax rate applicable to us for the 2021 fiscal year, taking into account the deductibility of state and local taxes for federal purposes. For each subsequent fiscal year, the tax rate applicable to us for the 2021 fiscal year will apply with respect to tax distributions made during such fiscal year unless our Board determines otherwise. The tax rate used to determine tax distributions will apply regardless of the actual final tax liability of any such member. Tax distributions will also be made only to the extent all distributions from BV LLC for the relevant period were otherwise insufficient to enable each member to cover its tax liabilities as calculated in the manner described above. The Bioventus LLC Agreement allows for distributions to be made by BV LLC to its members on a pro rata basis out of "distributable cash," as that term is defined in the agreement. We expect BV LLC may make distributions out of distributable cash periodically to the extent permitted by our agreements governing our indebtedness and necessary to enable us to cover our operating expenses and other obligations, including our tax liability and obligations under the TRA, as well as to make dividend payments, if any, to the holders of our Class A common stock.

## LLC Interest Redemption Right

The Bioventus LLC Agreement provides a redemption right to the Continuing LLC Owner which entitles it to have its LLC Interests redeemed, at its election, for newly-issued shares of our Class A common stock on a one-for-one basis or a cash payment equal to a volume weighted average market price of one share of Class A common stock for each LLC Interest redeemed (subject to customary adjustments, including for stock splits, stock dividends and reclassifications). If the Continuing LLC Owner elects to receive a cash payment, we may elect to settle such redemption with Class A common stock in lieu of a cash payment, provided that if we elect to do so, the Continuing LLC Owner has the option to rescind its redemption request within a specified time period. Upon the exercise of the redemption right, the redeeming member will surrender its LLC Interests to BV LLC for cancellation. The Bioventus LLC Agreement requires that we contribute cash or shares of our Class A common stock to BV LLC in exchange for an amount of newly-issued LLC Interests in BV LLC that will be issued to us equal to the number of LLC Interests redeemed from the Continuing LLC Owner. BV LLC will then distribute the cash or shares of our Class A common stock to the Continuing LLC Owner to complete the redemption. In the event of such a redemption election by the Continuing LLC Owner, we may effect a direct exchange of cash or Class A common stock for such LLC Interests in lieu of such a redemption. Whether by redemption or exchange, we are obligated to ensure that at all times the number of LLC Interests that we own equals the number of shares of Class A common stock issued by us (subject to certain exceptions for treasury shares and shares underlying certain convertible or exchangeable securities).

# Indemnification

The Bioventus LLC Agreement provides for indemnification of the manager, members and officers of BV LLC and their respective subsidiaries or affiliates.

## **Stockholders Agreement**

The Former LLC Owners and Continuing Owner (Voting Group), which hold Class A common stock or Class B common stock representing approximately 83.8% of the combined voting power of our Class A and Class B common stock as of March 22, 2021, entered into a stockholders agreement (Stockholders Agreement) with us on February 16, 2021.

#### Voting Agreement

Pursuant to the terms of the Stockholders Agreement, EW Healthcare Partners, Spindletop Healthcare Capital, Pantheon Global, Ampersand Capital, Alta Partners and their respective affiliates, as members of the Voting Group, whom we refer to as the Essex Members, collectively have the right to designate up to three individuals to be included in the slate of nominees recommended by our Board. Smith & Nephew, Inc. and Smith & Nephew (Europe) B.V., as the other members of the Voting Group, whom we refer to as the SN Members, collectively have the right to designate up to two individuals to be included in the slate of nominees recommended by our Board. Smith & Nephew, Inc. and Smith & Nephew (Europe) B.V., as the other members of the Voting Group, whom we refer to as the SN Members, collectively have the right to designate up to two individuals to be included in the slate of nominees recommended by our Board. The number of individuals that the Essex Members and SN Members may designate decreases if they dispose of certain percentages of the shares of our Class A common stock or Class B common stock, as applicable, that they owned as of the date of the IPO. At such time as the Essex or SN Members each own less than 10% of the shares of Class A common stock and Class B common stock that they owned as of the date of the IPO, the Essex Members or SN Members, as the case may be, will no longer have designation rights under the Stockholders Agreement. Until such time, or if the Stockholders Agreement is otherwise terminated in accordance with its terms, the parties to the Stockholders Agreement agree to vote their shares of Class A common stock and Class B common stock in favor of the election of the nominees of the Essex and SN Members to our Board upon their nomination by the nominating and corporate governance committee of our Board.

#### Voting Group Approvals

Under the Stockholders Agreement, any increase or decrease in the size of our Board or any committee, and any amendment to our organizational documents, in each case require the approval of the Essex and SN Members, for so long as each collectively own at least 10% of the total shares of our common stock owned by them as of the date of our IPO as follows:

Essex Members - Class A common stock

SN Members - Class A and B common stock

There were no payments made by the Company pursuant to this agreement since January 1, 2020.

# **Registration Rights Agreement**

We entered into a registration rights agreement (Registration Rights Agreement) with the Original LLC Owners on February 16, 2021 in connection with our IPO. The Registration Rights Agreement provides the Original LLC Owners certain registration rights whereby, at the expiration of the IPO lock-up period, which will occur on August 9, 2021, the Continuing LLC Owner can require us to register under the Securities Act shares of Class A common stock issuable to it upon, at our election, redemption or exchange of its LLC Interests, and the Former LLC Owners can require us to register under the Securities Act the shares of Class A common stock issued to them in connection with certain transactions completed in connection with the IPO. The Registration Rights Agreement provides for piggyback registration rights for the Original LLC Owners. There were no payments made by the Company pursuant to this agreement since January 1, 2020.

#### **Indemnification Agreements**

We have entered into separate indemnification agreements with our directors and executive officers. The indemnification agreements provide for indemnification of our directors and executive officers for expenses, judgments, fines and settlement amounts incurred by this person in any action or proceeding arising out of this person's services as a director or executive officer or at our request. There were no payments made by the Company pursuant to these agreements since January 1, 2020.

#### **Director independence**

Our Board undertook a review of the independence of our directors and considered whether any director has a material relationship with us that could compromise that director's ability to exercise independent judgment in carrying out that director's responsibilities. Our Board has affirmatively determined that Mr. Hawkins, Mr. Cowdy, Mr. Neels, Mr. Nohra, Mr. Parker, Mr. Sutter and Ms. Stalnecker are each an "independent director," as defined under the rules of Nasdaq. In making these determinations, our Board considered the current and prior relationships that each director has with our Company and all other facts and circumstances our Board deemed relevant in determining their independence, including the beneficial ownership of our capital stock by each director, and the transactions involving them described in this section.

# Item 14. Principal Accounting Fees and Services.

The following table summarizes fees paid or accrued to our independent registered public accounting firm, Grant Thornton LLP (GT), in connection with various services for each of the last two fiscal years.

	2020	2019
Audit Fees <sup>(1)</sup>	\$ 1,081	\$ 592
Audit-Related Fees <sup>(2)</sup>	614	_
Tax Fees <sup>(3)</sup>		
All Other Fees <sup>(4)</sup>	2	21

<sup>(1)</sup> Audit fees are for services related to the annual audit of the Company's consolidated financial statements, including the interim reviews of the Company's quarterly financial statements, statutory audits of the Company's foreign subsidiaries and consultations on accounting matters.

- <sup>(2)</sup> Audit-related fees are related to audits of the Company's employee benefit plans and due diligence services in connection with acquisitions.
- <sup>(3)</sup> Tax fees are for domestic and international tax compliance and advisory services.
- <sup>(4)</sup> All other fees are primarily for subscriptions to online research tools and training courses for professional qualifications.

# Pre-approval policy and procedures

The Audit and Risk Committee has adopted a policy (Pre-Approval Policy) that sets forth the procedures pursuant to which audit and permissible non-audit services proposed to be provided by GT may be pre-approved. The Pre-Approval Policy generally provides that we will not engage GT to render any audit, audit-related, tax or other service unless the service is either (i) explicitly approved by the Audit and Risk Committee (specific pre-approval) or (ii) entered into pursuant to the pre-approval policies and procedures described in the Pre-Approval Policy (general pre-approval). Unless a type of service has received general pre-approval, it will require specific pre-approval by the Audit and Risk Committee, or by a designated member of the Audit and Risk Committee to whom the committee has delegated the authority to grant pre-approvals, if it is to be provided by GT. Any proposed services exceeding pre-approved cost levels or budgeted amounts will also require specific pre-approval.

Pre-approval fee levels or budgeted amounts for all services to be provided by GT are established annually by the Audit and Risk Committee. Any proposed services exceeding these levels or amounts require specific pre-approval by the Audit Committee. For each fiscal year, the Audit and Risk Committee may determine the appropriate ratio between the total amount of fees for audit, audit-related and tax services, and the total amount of fees for services classified as all other services.

Other than with respect to the annual audit of the Company's consolidated financial statements, the chairperson of the Audit and Risk Committee is delegated the authority to pre-approve other audit services and all other services.

The Audit and Risk Committee monitors the performance of all services provided by GT and determines whether such services are in compliance with this Pre-Approval Policy.

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# PART IV

# Item 15. Exhibits and Financial Statement Schedules

- (a) *Financial Statements*. See the table of contents under *Part II, Item 8. Financial Statements and Supplementary Data* of this Annual Report on Form 10-K above for the list of financial statements filed as part of this report.
- (b) *Exhibits*. The following is a list of exhibits filed as part of this Annual Report on Form 10-K.

(D) Exnit	ons. The following is a list of exhibits filed as part of this	Ашиа кер	on on form 10-K.			Filed / Furnished
Exhibit no.	Description	Form	File No.	Exhibit	Filing Date	Herewithin
3.1	<u>Amended and Restated Certificate of Incorporation</u> of Bioventus Inc.	8-K	001-37844	3.1	2/17/2021	
3.2	Amended and Restated Bylaws of Bioventus Inc.	8-K	001-37844	3.2	2/17/2021	
4.1	<u>Specimen Stock Certificate evidencing the shares of</u> <u>Class A common stock</u>	S-1	333-252238	4.1	1/20/2021	
4.2	Description of Securities					*
10.1	Tax Receivable Agreement, dated as of February 16, 2021, by and among Bioventus Inc., Bioventus LLC and its Members	8-K	001-37844	10.2	2/17/2021	
10.2	Registration Rights Agreement, dated February 16, 2021, by and among Bioventus Inc. and the Original LLC	8-K	001-37844	10.3	2/17/2021	
10.3	Second Amended and Restated Limited Liability Company Agreement of Bioventus LLC dated as of February 16, 2021.	8-K	001-37844	10.1	2/17/2021	
10.4	<u>Stockholders Agreement, dated February 16, 2021,</u> by and among Bioventus Inc., Bioventus LLC and the Principal Stockholders	8-K	001-37844	10.4	2/17/2021	
10.5†	<u>Amended and Restated License Agreement, dated as</u> of December 9, 2016, by and between Bioventus LLC, Q-Med AB and Nestlé Skin Health S.A.	S-1	333-252238	10.5	1/20/2021	
10.6†	<u>Amended and Restated Supply Agreement, dated as</u> of December 9, 2016, by and between Bioventus LLC and Q-Med AB	S-1	333-252238	10.6	1/20/2021	
10.7†	<u>Exclusive License, Supply and Distribution</u> <u>Agreement, dated as of February 9, 2016, by and</u> <u>between IBSA Institut Biochimique SA</u> ( <u>Switzerland) and Bioventus LLC.</u>	S-1	333-252238	10.7	1/20/2021	
10.7(a)†	Amendment No. 1 to Exclusive License, Supply and Distribution Agreement, dated as of December 31, 2018, by and between IBSA Institut Biochimique SA (Switzerland) and Bioventus LLC	S-1	333-252238	10.7(a)	1/20/2021	

Exhibit no.	Description	Form	File No.	Exhibit	Filing Date	Filed / Furnished Herewithin
10.7(b)†	Amendment No. 2 to Exclusive License, Supply and Distribution Agreement, dated as of December 31, 2020, by and between IBSA Institut Biochimique SA (Switzerland) and Bioventus LLC	S-1/A	333-252238	10.7(b)	2/4/2021	
10.11†	Amended and Restated Exclusive Distribution Agreement No. 2 by and between Seikagaku Corporation and Bioventus LLC, effective December 22, 2020.	S-1	333-252238	10.9	1/20/2021	
10.9	Option and Equity Purchase Agreement, dated as of July 15, 2020, among Bioventus LLC, CartiHeal (2009) Ltd., the Securityholders set forth on Schedule 1.01(a) thereto, each of the Securityholders from time to time party, thereto and Elron Electronic Industries Ltd., in its capacity as the Securityholder Representative	S-1	333-252238	10.10	1/20/2021	
10.10	<u>Credit and Guaranty Agreement, dated as of</u> <u>December 6, 2019, among Bioventus LLC, Wells</u> <u>Fargo Bank, N.A., as administrative agent, and the</u> <u>lenders thereto</u>	S-1	333-252238	10.11	1/20/2021	
10.11#	Bioventus LLC Management Incentive Plan dated as of May 4, 2012.	S-1/A	333-252238	10.12	2/4/2021	
10.12#	Bioventus LLC Phantom Profits Interest Plan, as amended and restated	S-1	333-252238	10.13	1/20/2021	
10.13#	<u>Management Incentive Plan Award Agreement,</u> <u>dated as of December 2, 2013, by and between</u> <u>Bioventus LLC and Anthony P. Bihl III</u>	S-1	333-252238	10.14	1/20/2021	
10.14#	<u>Phantom Profits Interest Plan Award Agreement,</u> <u>dated as of April 21, 2016, by and between</u> <u>Bioventus LLC and Anthony P. Bihl III</u>	S-1	333-252238	10.15	1/20/2021	
10.15#	<u>Phantom Profits Interest Plan Award Agreement,</u> <u>dated as of September 17, 2018, by and between</u> <u>Bioventus LLC and Anthony P. Bihl III</u>	S-1	333-252238	10.16	1/20/2021	
10.16#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of January 1, 2016, by and between</u> <u>Bioventus LLC and William A. Hawkins</u>	S-1	333-252238	10.17	1/20/2021	
10.17#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of October 9, 2018, by and between</u> <u>Bioventus LLC and Susan M. Stalnecker</u>	S-1	333-252238	10.18	1/20/2021	
10.18#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of June 25, 2020, by and between</u> <u>Bioventus LLC and Kenneth M. Reali</u>	S-1	333-252238	10.19	1/20/2021	

Exhibit no.	Description	Form	File No.	Exhibit	Filing Date	Filed / Furnished Herewithin
10.19#	Phantom Profits Interests Plan Award Agreement, dated as of April 4, 2016, by and between Bioventus LLC and Gregory O. Anglum	S-1	333-252238	10.20	1/20/2021	
10.20#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of May 1, 2017, by and between Bioventus</u> <u>LLC and Gregory O. Anglum</u>	S-1	333-252238	10.21	1/20/2021	
10.21#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of October 27, 2017, by and between</u> <u>Bioventus LLC and Gregory O. Anglum</u>	S-1	333-252238	10.22	1/20/2021	
10.22#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of February 6, 2017, by and between</u> <u>Bioventus LLC and John E. Nosenzo</u>	S-1	333-252238	10.23	1/20/2021	
10.23#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of September 17, 2018, by and between</u> <u>Bioventus LLC and John E. Nosenzo</u>	S-1	333-252238	10.24	1/20/2021	
10.24#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of July 22, 2013, by and between</u> <u>Bioventus LLC and Alessandra Pavesio</u>	S-1	333-252238	10.25	1/20/2021	
10.25#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of June 1, 2015, by and between Bioventus</u> <u>LLC and Alessandra Pavesio</u>	S-1	333-252238	10.26	1/20/2021	
10.26#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of April 21, 2016, by and between</u> <u>Bioventus LLC and Alessandra Pavesio</u>	S-1	333-252238	10.27	1/20/2021	
10.27#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of September 17, 2018, by and between</u> <u>Bioventus LLC and Alessandra Pavesio.</u>	S-1	333-252238	10.28	1/20/2021	
10.28#	<u>Phantom Profits Interests Plan Award Agreement,</u> <u>dated as of October 27, 2017, by and between</u> <u>Bioventus LLC and Anthony D'Adamio</u>	S-1	333-252238	10.29	1/20/2021	
10.29#	Phantom Profits Interests Plan Award Agreement, dated as of September 17, 2018, by and between Bioventus LLC and Anthony D'Adamio	S-1	333-252238	10.30	1/20/2021	
10.30#	Director Offer Letter, dated as of December 11, 2015, by and between Bioventus LLC and William A. Hawkins	S-1	333-252238	10.33	1/20/2021	
10.31#	<u>Retention Letter, dated as of April 13, 2020, by and</u> <u>between Bioventus LLC and John E. Nosenzo</u>	S-1	333-252238	10.35	1/20/2021	

Exhibit no.	Description	Form	File No.	Exhibit	Filing Date	Filed / Furnished Herewithin
10.32#	Director Offer Letter, dated as of October 3, 2018, by and between Bioventus LLC and Susan M. Stalnecker.	S-1	333-252238	10.38	1/20/2021	
10.33#	<u>Payout Agreement Letter, dated as of June 12, 2020,</u> <u>by and between Bioventus LLC and Anthony P.</u> <u>Bihl, III</u>	S-1	333-252238	10.41	1/20/2021	
10.34#	<u>Phantom Profits Interest Plan Award Agreement,</u> <u>dated as of June 25, 2020, by and between</u> <u>Bioventus LLC and Kenneth M. Reali</u>	S-1	333-252238	10.42	1/20/2021	
10.35	<u>Option Letter, dated as of July 30, 2020, by and</u> <u>between Bioventus LLC and Kenneth M. Reali</u>	S-1	333-252238	10.43	1/20/2021	
10.36#	Bioventus Inc. 2021 Employee Stock Purchase Plan	S-1/A	333-2522	10.44	2/4/2021	
10.37#	Bioventus Inc. 2021 Equity Incentive Plan	S-1/A	333-2522	10.45	2/10/2021	
10.38#	Form of Notice of Stock Option Grant and Stock Option Agreement	S-1/A	333-2522	10.47	2/10/2021	
10.39#	Form of Restricted Stock Unit Award Grant Notice and Restricted Stock Unit Agreement	S-1/A	333-2522	10.48	2/10/2021	
10.40	<u>Assignment and Assumption Agreement, dated as of</u> <u>February 9, 2021, by and between Bioventus Inc.</u> <u>and Bioventus LLC</u>	S-1/A	333-2522	10.50	2/10/2021	
10.41#	Bioventus Inc. Non-Employee Director Compensation Policy	S-1/A	333-2522	10.51	2/10/2021	
10.42#	Employment Agreement, dated as of February 9, 2021, by and among Bioventus Inc., Bioventus LLC and Kenneth Reali	S-1/A	333-2522	10.52	2/10/2021	
10.43#	Employment Agreement, dated as of February 9, 2021, by and among Bioventus Inc., Bioventus LLC and Gregory O. Anglum	S-1/A	333-2522	10.53	2/10/2021	
10.44#	Employment Agreement, dated as of February 9, 2021, by and among Bioventus Inc., Bioventus LLC and John E. Nosenzo	S-1/A	333-2522	10.54	2/10/2021	
10.45#	Employment Agreement, dated as of February 9, 2021, by and among Bioventus Inc., Bioventus LLC and Anthony D'Adamio	S-1/A	333-2522	10.55	2/10/2021	
10.46#	Employment Agreement, dated as of February 9, 2021, by and among Bioventus Inc., Bioventus LLC and Alessandra Pavesio	S-1/A	333-2522	10.56	2/10/2021	
10.47#	<u>Option Forfeiture Letter, dated as of February 3, 2021, by and between Bioventus LLC and Kenneth Reali</u>	S-1/A	333-2522	10.57	2/10/2021	

Exhibit no.	Description	Form	File No.	Exhibit	Filing Date	Filed / Furnished Herewithin
10.48#	Form of Indemnification Agreement	S-1/A	333-2522	10.46	2/4/2021	
10.49	Settlement Agreement, dated as of February 22, 2021, by and between the United States of America, acting through the United States Attorney's Office for the Middle District of North Carolina and on behalf of the Office of Inspector General of the Department of Health and Human Services, and Bioventus LLC, through their authorized representatives					*
21.1	List of subsidiaries of Bioventus Inc.					*
23.1	Consent of Grant Thornton LLP (Bioventus Inc.)					*
23.2	Consent of Grant Thornton LLP (Bioventus LLC)					*
23.3	Consent of PricewaterhouseCoopers LLP					*
31.1	<u>Certification of Chief Executive Officer pursuant to</u> <u>Rules 13a-14(a)/15d-14(a) under the Securities</u> <u>Exchange Act of 1934, as amended</u>					*
31.2	<u>Certification of Chief Financial Officer pursuant to</u> <u>Rules 13a-14(a)/15d-14(a) under the Securities</u> <u>Exchange Act of 1934, as amended</u>					*
32	Certification of Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002					**
Filed herewith	_					

\* Filed herewith

† Certain portions of this exhibit have been omitted pursuant to Regulation S-K, Item 601(b)(10)(iv).

(c) *Financial Statement Schedules.* Schedules for which provision is made in the applicable accounting regulation of the Securities and Exchange Commission have been omitted because they are not applicable, not required or the information required is given in the Consolidated Financial Statements and notes thereto set forth above under *Part II, Item 8. Financial Statements and Supplemental Data.* 

Item 16. Form 10-K Summary.

None

<sup>\*\*</sup> Furnished herewith

<sup>#</sup> Indicates management contract or compensatory plan.

# SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Bioventus Inc.

By: /s/ Kenneth M. Reali

 Name:
 Kenneth M. Reali

 Title:
 Chief Executive Officer and Director (Principal Executive Officer)

March 26, 2021

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

Name	Date	Title
/s/ Kenneth M. Reali Kenneth M. Reali	March 26, 2021	Chief Executive Officer and Director (Principal Executive Officer)
/s/ Gregory O. Anglum Gregory O. Anglum	March 26, 2021	Senior Vice President and Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)
/s/ William A. Hawkins III William A. Hawkins III	March 26, 2021	Chairman
/s/ Philip G. Cowdy Philip G. Cowdy	March 26, 2021	Director
/s/ Guido J. Neels Guido J. Neels	March 26, 2021	Director
/s/ Guy P. Nohra Guy P. Nohra	March 26, 2021	Director
/s/ David J. Parker David J. Parker	March 26, 2021	Director
/s/ Susan M. Stalnecker Susan M. Stalnecker	March 26, 2021	Director
/s/ Martin P. Sutter Martin P. Sutter	March 26, 2021	Director

## DESCRIPTION OF CAPITAL STOCK

The following description of the capital stock of Bioventus Inc. (the "Company," "Bioventus," "we," and "our) and certain provisions of our Amended and Restated Certificate of Incorporation, and our Amended and Restated Bylaws, are summaries and are qualified by reference to the Amended and Restated Certificate of Incorporation and the Amended and Restated Bylaws, which have been publicly filed with the Securities and Exchange Commission.

Our current authorized capital stock consists of 250,000,000 shares of Class A common stock, par value \$0.001, 50,000,000 shares of Class B common stock, par value \$0.001 per share, and 10,000,000 shares of preferred stock.

### **Class A Common Stock**

#### Voting Rights of Class A Common Stock

Holders of our Class A common stock are entitled to cast one vote per share. Holders of our Class A common stock are not entitled to cumulate their votes in the election of directors.

#### Voting Rights of Class A Common Stock and Class B Common Stock

At all duly called or convened meetings of stockholders at which a quorum is present, a plurality of votes cast shall be sufficient to elect a director. Each other matter presented to the stockholders at a duly called or convened meeting at which a quorum is present shall be decided by the affirmative vote of the holders of a majority in voting power of the votes cast (excluding abstentions and broker non-votes) on such matter. Holders of our Class A common stock and Class B common stock shall vote together as a single class on all matters (or, if any holders of preferred stock are entitled to vote together with the holders of Class A common stock and Class B common stock and Class B common stock, as a single class together with such holders of preferred stock). Except as otherwise provided by law, amendments to the Amended and Restated Certificate of Incorporation must be approved by a majority or, in some cases, at least 66 2/3% of the total voting power of all then outstanding shares of stock of the Company entitled to vote thereon, voting together as a single class. Additionally, any amendment to the Amended and Restated Bylaws or the removal of any individual director from office at any time, for cause, shall each require the affirmative vote of the holders of at least two-thirds of the voting power of all then outstanding shares of voting stock of the Company entitled to vote generally in an election of directors.

## Dividend Rights

Holders of Class A common stock are entitled to share ratably (based on the number of shares of Class A common stock held) if and when any dividend is declared by the board of directors out of funds legally available therefor, subject to any statutory or contractual restrictions on the payment of dividends and to any restrictions on the payment of dividends imposed by the terms of any outstanding preferred stock.

#### Liquidation Rights

On our liquidation, dissolution or winding up, each holder of Class A common stock are entitled to a pro rata distribution of any assets available for distribution to common stockholders.

#### Other Matters

No shares of Class A common stock are subject to redemption or have preemptive rights to purchase additional shares of Class A common stock. Holders of shares of our Class A common stock do not have subscription, redemption or conversion rights. There are no redemption or sinking fund provisions applicable to the Class A common stock. All the outstanding shares of Class A common stock are validly issued, fully paid and non-assessable.

### **Class B Common Stock**

#### Issuance of Class B Common Stock with LLC Interests

Shares of Class B common stock will only be issued in the future to the extent necessary to maintain a one-to-one ratio between the number of newly-issued common membership interests of Bioventus LLC ("LLC Interests") held by Smith & Nephew, Inc. (the "Continuing LLC Owner") and the number of shares of Class B common stock issued to the Continuing LLC Owner. Shares of Class B common stock are transferable only together with an equal number of LLC Interests. Shares of Class B common stock will be cancelled on a one-for-one basis if we, at the election of the Continuing LLC Owner, redeem or exchange its LLC Interests pursuant to the terms of the amended and restated limited liability agreement of Bioventus LLC (the "Bioventus LLC Agreement").

### Voting Rights of Class B Common Stock

Holders of Class B common stock are entitled to cast one vote per share, with the number of shares of Class B common stock held by the Continuing LLC Owner being equivalent to the number of LLC Interests held by such Continuing LLC Owner. Holders of our Class B common stock are not entitled to cumulate their votes in the election of directors. See "Voting Rights of Class A Common Stock and Class B Common Stock" above for a further description of voting rights of holders of Class B common stock.

#### Dividend Rights

Holders of our Class B common stock are not entitled to participate in any dividend declared by the board of directors.

#### Liquidation Rights

On our liquidation, dissolution or winding up, holders of Class B common stock are not entitled to receive any distribution of our assets.

### Transfers

Pursuant to the Bioventus LLC Agreement, each holder of Class B common stock agrees that:

- the holder will not transfer any shares of Class B common stock to any person unless the holder transfers an equal number of LLC Interests to the same person; and
- in the event the holder transfers any LLC Interests to any person, the holder will transfer an equal number of shares of Class B common stock to the same person.

### Other Matters

No shares of Class B common stock have preemptive rights to purchase additional shares of Class B common stock. Holders of shares of our Class B common stock do not have subscription, redemption or conversion rights. There are no redemption or sinking fund provisions applicable to the Class B common stock. All outstanding shares of Class B common stock are validly issued, fully paid and nonassessable.

## **Preferred Stock**

Our Amended and Restated Certificate of Incorporation provides that our board of directors has the authority, without action by the stockholders, to designate and issue up to 10,000,000 shares of preferred stock in one or more classes or series and to fix the powers, rights, preferences, privileges and restrictions of each class or series of preferred stock, including dividend rights, conversion rights, voting rights, redemption privileges, liquidation preferences and the number of shares constituting any class or series, which may be greater than the rights of the holders of the common stock. There are no shares of preferred stock currently outstanding.

The purpose of authorizing our board of directors to issue preferred stock and determine its rights and preferences is to eliminate delays associated with a stockholder vote on specific issuances. The issuance of preferred stock, while providing flexibility in connection with possible acquisitions, future financings and other corporate purposes, could have the effect of making it more difficult for a third-party to acquire, or could discourage a third-party from seeking to acquire, a majority of our outstanding voting stock. Additionally, the issuance of preferred stock may adversely affect the holders of our Class A common stock by restricting dividends on the Class A common stock, diluting the voting power of the Class A common stock or subordinating the liquidation rights of the Class A common stock. As a result of these or other factors, the issuance of preferred stock could have an adverse impact on the market price of our Class A common stock.

#### **Exclusive Venue**

Our Amended and Restated Certificate of Incorporation provides that unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware (or, in the event that the Chancery Court does not have jurisdiction, the federal district court for the District of Delaware or other state courts of the State of Delaware) shall, to the fullest extent permitted by applicable law, be the sole and exclusive forum for: (1) any derivative action or proceeding brought on our behalf; (2) any action asserting a claim of breach of a fiduciary duty owed by any of our directors, officers or other employees or stockholders to us or our stockholders; (3) any action asserting a claim against us arising pursuant to any provision of the General Corporation Law of the State of Delaware ("DGCL"), our Amended and Restated Certificate of Incorporation or our Amended and Restated Bylaws, or as to which the DGCL confers exclusive jurisdiction on the Court of Chancery; or (4) any action asserting a claim against us, any director or our officers or employees that is governed by the internal affairs doctrine; provided that the exclusive forum provisions will not apply to suits brought to enforce any liability or duty created by the Exchange Act of 1934, as amended, or to any claim for which the federal courts have exclusive jurisdiction. The federal district courts of the United States of America shall be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act of 1933, as amended.

## Anti-Takeover Effects of Provisions of our Amended and Restated Certificate of Incorporation, our Amended and Restated Bylaws and Delaware Law

Our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws also contain provisions that may delay, defer or discourage another party from acquiring control of us. We expect that these provisions, which are summarized below, will discourage coercive takeover practices or inadequate takeover bids. These provisions are also designed to encourage persons seeking to acquire control of us to first negotiate with our board of directors, which we believe may result in an improvement of the terms of any such acquisition in favor of our stockholders. However, they also give our board of directors the power to discourage acquisitions that some stockholders may favor.

#### Classified Board of Directors

Our Amended and Restated Certificate of Incorporation provides that our board of directors shall be divided into three classes, designated as Class I, Class II and Class III, with each class serving three-year staggered terms, except that the initial Class I directors shall serve for a term expiring at the first annual meeting of the stockholders in 2022; the initial Class II directors shall serve for a term expiring at the third annual meeting in 2024. In addition, our Amended and Restated Certificate of Incorporation provides that directors may only be removed from our board of directors with cause. These provisions may have the effect of deferring, delaying or discouraging hostile takeovers, or changes in control of us or our management.

## Authorized but Unissued Shares

The authorized but unissued shares of common stock and preferred stock are available for future issuance without stockholder approval, subject to any limitations imposed by the listing standards of The Nasdaq Global Select Market ("Nasdaq"). These additional shares may be used for a variety of corporate finance transactions, acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved common stock and preferred stock could make more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

#### Requirements for Advance Notification of Stockholder Meetings, Nominations and Proposals

Our Amended and Restated Bylaws provide that stockholders at an annual meeting may only consider proposals or nominations specified in the notice of meeting or brought before the meeting by or at the direction of our board of directors, any committee thereof or the chairperson of the board, or by a qualified stockholder of record on the record date for the meeting, who is entitled to vote at the meeting and who has delivered timely written notice in proper form to our secretary of the stockholder's intention to bring such business before the meeting. Our Amended and Restated Certificate of Incorporation provides that special meetings of the stockholders may be called only by the chairperson of the board of directors, the chief executive officer, the president, the secretary or a resolution adopted by the affirmative vote of the majority of the directors then in office. Our Amended and Restated Bylaws prohibit the conduct of any business at a special meeting other than as specified in the notice for such meeting. In addition, any stockholder who wishes to bring business before an annual meeting or nominate directors must comply with the advance notice and duration of ownership requirements set forth in our Amended and Restated Bylaws and provide us with certain information. These provisions may have the effect of deferring, delaying or discouraging hostile takeovers or changes in control of us or our management.

#### Stockholder Action by Written Consent

Pursuant to Section 228 of the DGCL, any action required to be taken at any annual or special meeting of the stockholders may be taken without a meeting, without prior notice and without a vote if a consent or consents in writing, setting forth the action so taken, is signed by the holders of outstanding stock having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting at which all shares of our stock entitled to vote thereon were present and voted, unless our Amended and Restated Certificate of Incorporation provides otherwise. Our Amended and Restated Certificate of Incorporation to be effected by such written consent and the taking of such action by such written consent have been previously approved by the board of directors.

#### Amendment of Amended and Restated Certificate of Incorporation or Amended and Restated Bylaws

The DGCL provides generally that the affirmative vote of a majority of the shares entitled to vote on any matter is required to amend a corporation's certificate of incorporation or bylaws, unless a corporation's certificate of incorporation or bylaws, as the case may be, requires a greater percentage. Our Amended and Restated Bylaws may be amended or repealed by a majority vote of our board of directors or by the affirmative vote of the holders of at least two-thirds of the voting power of all then outstanding shares of voting stock of the Company entitled to vote generally in any election of directors. In addition, the affirmative vote of the holders of at least 66- 2/3% of the total voting power of all then outstanding shares of stock of the Company entitled to vote thereon, voting together as a single class, is required to amend or repeal or to adopt any provisions inconsistent with any of the provisions of our amended and restated certificate of incorporation described above.

The foregoing provisions of our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws could discourage potential acquisition proposals and could delay or prevent a change in control. These provisions are intended to enhance the likelihood of continuity and stability in the composition of our board of directors and in the policies formulated by our board of directors and to discourage certain types of transactions that may involve an actual or threatened change of control. These provisions are designed to reduce our vulnerability to an unsolicited acquisition proposal. The provisions also are intended to discourage certain tactics that may be used in proxy fights. However, such provisions could have the effect of discouraging others from making tender offers for our shares and, as a consequence, they also may inhibit fluctuations in the market price of our shares of Class A common stock that could result from actual or rumored takeover attempts. Such provisions also may have the effect of preventing changes in our management or delaying or preventing a transaction that might benefit you or other minority stockholders.

In addition, we are subject to Section 203 of the DGCL. Subject to certain exceptions, Section 203 prevents a publicly held Delaware corporation from engaging in a "business combination" with any "interested stockholder" for three years following the date that the person became an interested stockholder, unless the interested stockholder attained such status with the approval of our board of directors or unless the business combination is approved in a prescribed manner. A "business combination" includes, among other things, a merger or consolidation involving us and the "interested stockholder" and the sale of more than 10% of our assets. In general, an "interested stockholder" is any entity or person beneficially owning 15% or more of our outstanding voting stock and any entity or person affiliated with or controlling or controlled by such entity or person.

Because we have "opted out" of Section 203 of the DGCL in our Amended and Restated Certificate of Incorporation, the statute will not apply to business combinations involving us.

### Limitations on Liability and Indemnification of Officers and Directors

Our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws provide indemnification for our directors and officers to the fullest extent permitted by the DGCL. We have entered into indemnification agreements with each of our directors that may, in some cases, be broader than the specific indemnification provisions contained under Delaware law. In addition, as permitted by Delaware law, our Amended and Restated Certificate of Incorporation includes provisions that eliminate the personal liability of our directors for monetary damages resulting from breaches of certain fiduciary duties as a director. The effect of this provision is to restrict our rights and the rights of our stockholders in derivative suits to recover monetary damages against a director for breach of fiduciary duties as a director, except that a director will be personally liable for:

- any breach of his duty of loyalty to us or our stockholders;
- acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law;
- any transaction from which the director derived an improper personal benefit; or
- improper distributions to stockholders.

These provisions may be held not to be enforceable for violations of the federal securities laws of the United States.

#### **Corporate Opportunities**

In recognition that partners, principals, directors, officers, members, managers and/or employees of EW Healthcare Partners Acquisition Fund, L.P., Smith & Nephew (Europe) B.V., Spindletop Healthcare Capital L.P., White Pine Medical LLC, Pantheon Global Co-Investment Opportunities Fund L.P., AMP-CF Holdings, LLC, and Alta Partners VIII, L.P. (the "Original LLC Owners") and their affiliates and investment funds (the "Corporate Opportunity Entities"), currently, and may in the future, serve as our directors and/or officers, and that the Corporate Opportunity Entities may engage in activities or lines of business similar to those in which we engage, our Amended and Restated Certificate of Incorporation provides for the allocation of certain corporate opportunities between us and the Corporate Opportunity Entities. Specifically, none of the Corporate Opportunity Entities has any duty to refrain from engaging, directly or indirectly, in the same or similar business activities or lines of business that we do. In the event that any Corporate Opportunity Entity, through its partner, principal, director, officer, member, manager or employee or otherwise, acquires knowledge of a potential transaction or matter which may be a corporate opportunity for itself and us, we will not have any expectancy in such corporate opportunity, and the Corporate Opportunity Entity will not have any duty to communicate or offer such corporate opportunity to us and may pursue or acquire such corporate opportunity for itself or direct such opportunity to another person. In addition, if a director of our Company who is also a partner, principal, director, officer, member, manager or employee of any Corporate Opportunity Entity acquires knowledge of a potential transaction or matter which may be a corporate opportunity for us and a Corporate Opportunity Entity, we will not have any expectancy in such corporate opportunity. Messrs. Philip G. Cowdy, Guido J. Neels, Guy P. Nohra, David J. Parker and Martin P. Sutter, who serve as directors on our board of directors, are or are affiliated with Original LLC Owners. In the event that any other director of ours acquires knowledge of a potential transaction or matter which may be a corporate opportunity for us we will not have any expectancy in such corporate opportunity unless such potential transaction or matter was presented to such director expressly in his or her capacity as such.

Any amendment to the foregoing provisions of our Amended and Restated Certificate of Incorporation requires the affirmative vote of at least two-thirds of the voting power of all shares of our common stock then outstanding.

### **Dissenters' Rights of Appraisal and Payment**

Under the DGCL, with certain exceptions, our stockholders have appraisal rights in connection with a merger or consolidation. Pursuant to Section 262 of the DGCL, stockholders who properly demand and perfect appraisal rights in connection with such merger or consolidation will have the right to receive payment of the fair value of their shares as determined by the Delaware Court of Chancery.

### **Stockholders' Derivative Actions**

Under the DGCL, any of our stockholders may bring an action in our name to procure a judgment in our favor, also known as a derivative action, provided that the stockholder bringing the action is a holder of our shares at the time of the transaction to which the action relates or such stockholder's stock thereafter devolved by operation of law and such suit is brought in the Court of Chancery in the State of Delaware.

#### Listing

Our Class A common stock is listed on Nasdaq under the trading symbol "BVS".

### **Transfer Agent and Registrar**

The transfer agent and registrar for our Class A common stock is American Stock Transfer & Trust Company, LLC.

#### **Stockholders Agreement**

In connection with our initial public offering, we entered into the Stockholders Agreement with EW Healthcare Partners Acquisition Fund, L.P., the Continuing LLC Owner and certain other Original LLC Owners (the "Voting Group") pursuant to which the Voting Group has specified board representation rights, governance rights and other rights.

Exhibit 10.49

### SETTLEMENT AGREEMENT

This Settlement Agreement ("Agreement") is entered into between the United States of America, acting through the United States Attorney's Office for the Middle District of North Carolina and on behalf of the Office of Inspector General of the Department of Health and Human Services ("OIG-HHS") (collectively the "United States"), and Bioventus LLC ("Bioventus"), through their authorized representatives. Collectively, all of the above will be referred to as "the Parties."

## **RECITALS**

A. Bioventus is a medical technology company headquartered in Durham, North Carolina. Bioventus manufactures and supplies the Exogen Ultrasound Bone Healing System ("Exogen") to patients, including to Medicare beneficiaries. Bioventus is enrolled as a Medicare Part B Durable Medical Equipment supplier.

B. On November 30, 2018, Bioventus made a submission pursuant to OIG-HHS's Self-Disclosure Protocol (Protocol), and OIG-HHS accepted Bioventus into the Protocol on January 14, 2019.

C. The United States contends that Bioventus submitted or caused to be submitted claims for payment to the Medicare
Program, Title XVIII of the Social Security Act, 42 U.S.C.
§§ 1395-1395Ill ("Medicare").

D. The United States contends it has certain civil claims against Bioventus arising from the conduct disclosed in its voluntary self-disclosure submission. Specifically, the United States contends that, Bioventus knowingly submitted to Medicare claims for the company's Exogen ultrasonic osteogenic bone growth stimulators during the period from October 1, 2012 through December 31, 2018, where for such claims Bioventus sales personnel had improperly

filled out Part B of the Certificates of Medical Necessity (CMN) supporting the claims, and such claims were for items that were not reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member (*i.e.*, not medically reasonable or necessary) (the "Covered Conduct").

A. In July 2019, Bioventus paid funds to Medicare pursuant to its internal review of Medicare Part B claims for certain ultrasonic bone healing devices from October 1, 2012 through December 31, 2018.

B. This Settlement Agreement is neither an admission of liability by Bioventus nor a concession by the United States that its claims are not well founded.

To avoid the delay, uncertainty, inconvenience, and expense of protracted litigation of the above claims, and in consideration of the mutual promises and obligations of this Settlement Agreement, the Parties agree and covenant as follows: <u>TERMS AND CONDITIONS</u>

1. Bioventus shall pay to the United States the amount of Three Million Six Hundred Nine Thousand Eighty Seven Dollars (\$3,609,087) ("Settlement Amount"), of which \$2,406,058 is restitution. Of the funds paid to Medicare described in Recitals paragraph E, \$2,406,058 shall be deemed a payment of part of the Settlement Amount that Bioventus agrees to pay to the United States under the terms of this Agreement. Accordingly, the total amount to be paid by Bioventus upon execution of this Agreement shall be reduced to \$1,203,029 ("Net Settlement Amount"). The Net Settlement Amount will be paid within fourteen (14) business days of the Effective Date of this Agreement by electronic funds transfer pursuant to written instructions to be provided by the Office of the United States Attorney for the Middle District of North Carolina.

1. Subject to the exceptions in Paragraph 4 (concerning reserved claims) below, and conditioned upon the United States' receipt of the Settlement Amount, the United States releases Bioventus, together with its current and former parent corporations; direct and indirect subsidiaries; brother or sister corporations; divisions; current or former corporate owners; and the corporate successors and assigns of any of them, from any civil or administrative monetary claim the United States has for the Covered Conduct under the False Claims Act, 31 U.S.C. §§3729– 3733; the Civil Monetary Penalties Law, 42 U.S.C. §1320a-7a; the Program Fraud Civil Remedies Act, 31 U.S.C. §§3801–3812; or the common law theories of payment by mistake, unjust enrichment and fraud.

2. In consideration of the obligations of Bioventus in this Agreement, and upon the United States' receipt of full payment of the Settlement Amount, OIG-HHS shall release and refrain from instituting, directing, or maintaining any administrative actions seeking exclusion from Medicare, Medicaid, and other Federal health care programs (as defined in 42 U.S.C.

§1320a-7b(f)) against Bioventus under 42 U.S.C. §1320a-7a (Civil Monetary Penalties Law), or 42 U.S.C. §1320a-7(b)(7) (permissive exclusion for fraud, kickbacks, and other prohibited activities) for the Covered Conduct, except as reserved in this Paragraph and in Paragraph 4 (concerning reserved claims), below. OIG-HHS expressly reserves all rights to comply with any statutory obligations to exclude Bioventus from Medicare, Medicaid and other Federal Health care Programs under 42 U.S.C. §1320a-7(a) (mandatory exclusion) based on the Covered Conduct. Nothing in this Paragraph precludes OIG-HHS from taking action against entities or persons, or for conduct and practices, for which claims have been reserved in Paragraph 4 below.

1. Notwithstanding the releases given in Paragraphs 2 and 3 of this Agreement, or any other term of this Agreement, the following claims of the United States are specifically reserved and are not released:

- a. Any liability arising under Title 26, U.S. Code (Internal Revenue Code);
- b. Any criminal liability;
- c. Except as explicitly stated in this Agreement, any administrative liability or enforcement right, including mandatory exclusion from Federal health care programs;
- d. Any liability to the United States (or its agencies) for any conduct other than the Covered Conduct;
- e. Any liability based upon obligations created by this Agreement; and
- f. Any liability of individuals.

2. Bioventus waives and shall not assert any defenses it may have to any criminal prosecution or administrative action relating to the Covered Conduct that may be based in whole or in part on a contention that, under the Double Jeopardy Clause in the Fifth Amendment of the Constitution, or under the Excessive Fines Clause in the Eighth Amendment of the Constitution, this Agreement bars a remedy sought in such criminal prosecution or administrative action.

3. Bioventus fully and finally releases the United States, and its agencies, officers, agents, employees, and servants, from any claims (including attorney's fees, costs, and expenses of every kind and however denominated) that Bioventus has asserted, could have asserted, or may assert in the future against the United States, and its agencies, officers, agents, employees, and servants, related to the Covered Conduct and the United States' investigation and prosecution thereof.

1. The Settlement Amount shall not be decreased as a result of the denial of claims for payment now being withheld from payment by any Medicare contractor (*e.g.*, Medicare Administrative Contractor, fiscal intermediary, carrier) or any state payer related to the Covered Conduct; and Bioventus agrees not to resubmit to any Medicare contractor or any state payer any previously denied claims related to the Covered Conduct, agrees not to appeal any such denials of claims, and agrees to withdraw any such pending appeals.

- 2. Bioventus agrees to the following:
  - a. <u>Unallowable Costs Defined</u>: All costs (as defined in the Federal

Acquisition Regulation, 48 C.F.R. §31.205-47; and in Titles XVIII and XIX of the Social Security Act, 42 U.S.C. §§1395– 1395Ill and 1396–1396w-5; and the regulations and official program directives promulgated thereunder) incurred by or on behalf of Bioventus, and its present or former officers, directors, employees, predecessors, successors, shareholders, and agents in connection with:

- (1) the matters covered by this Agreement;
- (2) the United States' audit(s) and civil investigation(s) of the matters covered by this Agreement;
- (3) Bioventus' investigation, defense, and corrective actions undertaken in response to the United States' audit(s) and civil investigation(s) in connection with the matters covered by this Agreement (including attorney's fees);
- (4) the negotiation and performance of this Agreement; and
- (5) the payment Bioventus makes to the United States pursuant to this Agreement,
  - 5

are unallowable costs for government contracting purposes and under the Medicare Program, Medicaid Program, the TRICARE Program, and the Federal Employees Health Benefits Program (FEHBP) (hereinafter referred to as "Unallowable Costs"). i. <u>Future Treatment of Unallowable Costs</u>: Unallowable Costs shall be

separately determined and accounted for by Bioventus, and Bioventus shall not charge such Unallowable Costs directly or indirectly to any contracts with the United States or any State Medicaid program, or seek payment for such Unallowable Costs through any cost report, cost statement, information statement, or payment request submitted by Bioventus or any of its subsidiaries or affiliates to the Medicare, Medicaid, TRICARE or FEHBP Programs.

# ii. <u>Treatment of Unallowable Costs Previously Submitted for Payment:</u>

Bioventus further agrees that within 90 days of the Effective Date of this Agreement, it shall identify to applicable Medicare and TRICARE fiscal intermediaries, carriers, and/or contractors, and Medicaid and FEHBP fiscal agents, any Unallowable Costs (as defined in this Paragraph) included in payments previously sought from the United States, or any State Medicaid program, including, but not limited to, payments sought in any cost reports, cost statements, information reports, or payment requests already submitted by Bioventus or any of its subsidiaries or affiliates, and shall request, and agree, that such cost reports, cost statements, information reports, or payment requests, even if already settled, be adjusted to account for the effect of the inclusion of the Unallowable Costs. Bioventus agrees that the United States, at a minimum, shall be entitled to recoup from Bioventus any overpayment plus applicable interest and penalties as a result of the inclusion of such Unallowable Costs on previously-submitted cost reports, cost statements, or requests for payment.

Any payments due after the adjustments have been made shall be paid to the United States pursuant to the direction of the Department of Justice and/or the affected agencies. The United States reserves its rights to disagree with any calculations submitted by Bioventus or any of its subsidiaries or affiliates on the effect of inclusion of Unallowable Costs (as defined in this Paragraph) on Bioventus or any of its subsidiaries or affiliates' cost reports, cost statements, or information reports.

i. Nothing in this Agreement shall constitute a waiver of the rights of the United States to audit, examine, or reexamine Bioventus' books and records to determine that no Unallowable Costs have been claimed in accordance with the provisions of this Paragraph.

1. Bioventus agrees to cooperate fully and truthfully with the United States' investigation of individuals and entities not released in this Agreement. Upon reasonable notice, Bioventus shall encourage, and agrees not to impair, the cooperation of its directors, officers, and employees, and shall use its best efforts to make available, and encourage, the cooperation of former directors, officers, and employees for interviews and testimony, consistent with the rights and privileges of such individuals. Bioventus further agrees to furnish to the United States, upon request, complete and unredacted copies of all non-privileged documents, reports, memoranda of interviews, and records in its possession, custody, or control concerning any investigation of the Covered Conduct that it has undertaken, or that has been performed by another on its behalf.

2. This Agreement is intended to be for the benefit of the Parties only. The Parties do not release any claims against any other person or entity, except to the extent provided for in Paragraph 11 (waiver for beneficiaries paragraph), below.

3. Bioventus agrees that it waives and shall not seek payment for any of the health care billings covered by this Agreement from any health care beneficiaries or their parents,

sponsors, legally responsible individuals, or third-party payors based upon the claims defined as Covered Conduct.

1. Each Party to this Agreement shall bear its own legal and other costs incurred in connection with this matter, including the preparation and performance of this Agreement.

2. Each party and signatory to this Agreement represents that it freely and voluntarily enters into this

Agreement without any degree of duress or compulsion.

3. This Agreement is governed by the laws of the United States. The exclusive jurisdiction and venue for any dispute relating to this Agreement is the United States District Court for the Middle District of North Carolina. For purposes of construing this Agreement, this Agreement shall be deemed to have been drafted by all Parties to this Agreement and shall not, therefore, be construed against any Party for that reason in any subsequent dispute.

4. This Agreement constitutes the complete agreement between the Parties. This Agreement may not be amended except by written consent of the Parties.

5. The undersigned counsel represent and warrant that they are fully authorized to execute this Agreement on behalf of the entities indicated below.

6. This Agreement may be executed in counterparts, each of which constitutes an original and all of which constitute one and the same Agreement.

7. This Agreement is binding on Bioventus' successors, transferees, heirs, and assigns.

8. All parties consent to the United States' disclosure of this Agreement, and information about this Agreement, to the public.

1. This Agreement is effective on the date of signature of the last signatory to the Agreement (the "Effective Date" of this Agreement). Facsimiles and electronic transmissions of signatures shall constitute acceptable, binding signatures for purposes of this Agreement.

## THE UNITED STATES OF AMERICA

MATTHEW G.T. MARTIN United States Attorney

DATED: [•] BY: REBECCA A. MAYER Assistant United States Attorney Middle District of North Carolina DATED: [•] BY: Middle District of North Carolina DATED: [•] BY: MICHAELER ASSISTANT INSPECTOR General for Legal Affairs Office of Counsel to the Inspector General Office of Inspector General United States Department of Health and Human Services

## **BIOVENTUS**

DATED:	[•]	BY:	ANTHONY D'ADAMIO Senior Vice President and General Counsel Bioventus LLC
DATED:	[•]	BY:	KIRSTEN V. MAYER Ropes & Gray LLP Counsel for Bioventus, LLC
DATED:	[•]	BY:	THOMAS N. BULLEIT Ropes & Gray LLP Counsel for Bioventus, LLC

# THE UNITED STATES OF AMERICA

MATTHEW G.T. MARTIN United States Attorney

DATED:	BY: REBECCA A. MAYER Assistant United States Attorney Middle District of North Carolina
DATED:	BY: LISA M. RE Assistant Inspector General for Legal Affairs Office of Counsel to the Inspector General Office of Inspector General United States Department of Health and Human Servic
DATED: 2/19/2021	BY: ANTHONY D'ADAMIO Senior Vice President and General Counsel Bioventus LLC
DATED:	BY: KIRSTEN V. MAYER Ropes & Gray LLP Counsel for Bioventus, LLC
DATED:	BY: THOMAS N. BULLEIT Ropes & Gray LLP Counsel for Bioventus, LLC
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Ropes & Gray LLP Counsel for Bioventus, LLC

# THE UNITED STATES OF AMERICA

### MATTHEW G.T. MARTIN United States Attorney

DATED: 2/22/2021	BY:	REBECCA A. MAYER Assistant United States Attorney Middle District of North Carolina
DATED:	BY:	LISA M. RE Assistant Inspector General for Legal Affairs Office of Counsel to the Inspector General Office of Inspector General United States Department of Health and Human Services
		<u>BIOVENTUS</u>
DATED:	BY:	ANTHONY D'ADAMIO Senior Vice President and General Counsel Bioventus LLC
DATED: 02/19/2021	BY:	Kirsten Mayer KIRSTEN V. MAYER Ropes & Gray LLP Counsel for Bioventus, LLC

DATED: 02/19/2021 BY:

0 J Mons of Us · Sal THOMAS N. BULLEIT Ropes & Gray LLP Counsel for Bioventus, LLC

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Ropes & Gray LLP Counsel for Bioventus, LLC Legal Name\_\_\_\_\_ Exogen, Inc. (1) Bioventus LLC Bioventus Holdings LLC (1) Bioventus Coöperatief U.A.(2) Bioventus Canada, Ulc (3) Bioventus Australia Pty Ltd (3) Bioventus Germany GmbH (3) Bioventus UK, Ltd (3)

- (1) Wholly owned subsidiary of Bioventus LLC
- (2) Joint partnership between Bioventus LLC and Bioventus Holdings LLC
- (3) Wholly owned subsidiary of Bioventus Coöperatief U.A

Jurisdiction of Incorporation Delaware

Delaware

North Carolina Netherlands

British Columbia Australia

Germany

United Kingdom

## CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our report dated March 26, 2021, with respect to the financial statement included in the Annual Report of Bioventus Inc. on Form 10-K for the year ended December 31, 2020. We consent to the incorporation by reference of said report in the Registration Statement of Bioventus Inc. on Form S-8 (File No. 333-252981).

## /s/ GRANT THORNTON LLP

Raleigh, North Carolina March 26, 2021

## CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our report dated March 26, 2021, with respect to the consolidated financial statements of Bioventus LLC included in the Annual Report of Bioventus Inc. on Form 10-K for the year ended December 31, 2020. We consent to the incorporation by reference of said report in the Registration Statement of Bioventus Inc. on Form S-8 (File No. 333-252981).

/s/ GRANT THORNTON LLP Raleigh, North Carolina March 26, 2021

## CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (No. 333- 252981) of Bioventus Inc. of our report dated August 16, 2019, except for the effects of disclosing net loss per unit information discussed in Note 13 and the effects of discontinued operations discussed in Note 16 to the consolidated financial statements, as to which the date is October 6, 2020, relating to the financial statements of Bioventus LLC which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP Raleigh, North Carolina March 26, 2021

## CERTIFICATIONS

I, Kenneth M. Reali, certify that:

1. I have reviewed this Annual Report on Form 10-K of Bioventus, Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) [Omitted];

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Bioventus Inc.

By: /s/ Kenneth M. Reali

Name: Kenneth M. Reali Title: Chief Executive Officer and Director (Principal Executive Officer)

Date: March 26, 2021

## CERTIFICATIONS

I, Gregory O. Anglum, certify that:

1. I have reviewed this Annual Report on Form 10-K of Bioventus, Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) [Omitted];

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Bioventus Inc.

By: /s/ Gregory O. Anglum

Name:Gregory O. AnglumTitle:Senior Vice President and Chief Financial Officer<br/>(Principal Financial Officer)

Date: March 26, 2021

### CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

Pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, in connection with the Annual Report on Form 10-K of Bioventus, Inc. (the Company) for the fiscal year ended December 31, 2020, as filed with the Securities and Exchange Commission on the date hereof (the Report), each of Kenneth M. Reali, Chief Executive Officer and Director of the Company and Gregory O. Anglum, Senior Vice President and Chief Financial Officer of the Company, hereby certifies, that, to such officer's knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

### Bioventus Inc.

By:	/s/ Kenneth M. Reali			
	Name:	Kenneth M. Reali		
	Title:	Chief Executive Officer and Director (Principal Executive Officer)		
By:	/	/s/ Gregory O. Anglum		
	Name:	Gregory O. Anglum		
	Title:	Senior Vice President and Chief Financial Officer (Principal		

Date: March 26, 2021