



**Elanco**

# Making Life Better For Animals, Makes Life Better

2020 Annual Report



# With Relevance Comes Responsibility

## Learnings from COVID-19



### A letter from Jeff Simmons Elanco President & CEO

2020 was a historic year for the world and for Elanco. We have long understood the power of pets and protein in our lives. Pets play an essential role in providing companionship to an aging parent, soothing anxiety in a child, offering a reason to get out of the house for exercise, or making a connection with a neighbor. Similarly, an egg a day or a glass of milk provides invaluable benefit toward building strong, healthy bodies and developing young minds. Healthy animals make milk, meat, fish, and eggs more available and affordable. Healthy, active pets at the center of our families improve the mental and physical health of people everywhere. Simply put, making life better for animals, makes life better.

If ever there was a year when we needed ways to make life better, it was 2020. And while the COVID-19 pandemic shook our system to its core, it did help awaken the world to the importance of pets and protein – the center of Elanco’s focus.

### THE PANDEMIC THAT BROUGHT PERSPECTIVE

Much of the developed world experienced empty meat, milk, and egg cases for the first time, getting a glimpse of what the 850 million people that struggle with hunger and

malnutrition experience daily. In the next three decades, 2 billion more people will join our global population. Population and middle-class growth are expected to drive a 70% increase in demand for protein in the same time period. And all people deserve a seat at the dinner table.

As lockdown orders kept people at home, the skies cleared over cities around the world and emissions dropped 10% in the U.S. for example. Yet animal numbers, one of the often-blamed emission culprits, aren’t what changed overnight. The COVID-19 pandemic showed us globally people want and need meat, milk, fish, and eggs. Meat department sales grew nearly 20% in value and 11%, in volume with household penetration at 98.4%, according to IRI data. Greater knowledge of meat options and preparation are likely to benefit the meat industry for years to come. Healthy animals produce more, which is critical, considering the world does not have the extra natural resources to meet the increased protein needs of this growing population.

As quarantines began and social isolation grew, we saw pet shelters empty. People around the world turned to four-legged friendships for connection and joy. Loneliness and anxiety, already at an all-time high even before COVID, put people at greater risk of developing conditions like depression, high blood pressure, and dementia. Pets have been an intervention, an accessible solution in the limited toolbox that exists for addressing mental and emotional health. In fact, our Elanco research showed more than two-thirds of pet owners say their pets provided even more emotional support for them during the pandemic. Nearly three-quarters

reported mental health improvements from pet ownership.

### FROM CATS TO CATTLE: BEING THE CATALYST FOR CHANGE

**As tragic as the events of 2020 were around the globe, I believe the past year serves as a catalyst for change if we not only respond to what happened, but also anticipate what’s ahead.** The pandemic brought us into this decade. But for a better end to this decade – and for those that follow – we must act now to ensure a brighter future.

**From where I sit, there’s an obvious answer: it’s about healthy animals. Pets and protein and the role they play in our lives. The pandemic showed us what mattered most to people. Pets and protein are central to people’s lives. And they are central to some of the world’s greatest challenges. Pets and protein can unlock solutions to the seemingly disconnected issues of environmental, physical, and mental health.**

And the animal health industry will play a key role in bringing services and solutions to address this important intersection.



**What we do at Elanco has never been more relevant. With relevance comes great responsibility to bring innovation and to lead with a new level of urgency. Responsibility to make a difference, not just to survive this period of uncertainty, but to separate ourselves and find ways to help society – and our company – thrive.**

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## PUTTING OUR “STEAK” IN THE GROUND

If we're to achieve the 2050 UN Sustainable Development goals – like zero hunger, good health and well-being, and temperature neutrality – we must make a difference this decade. In October, we shared our commitment to do our part with the Elanco Healthy Purpose Pledges. These decade-long pledges ultimately seek to improve the lives of people through increased

access to care for 3 billion animals – whether it's improving the availability of nutritious, sustainable protein, being our customers' leading partner on the road to net zero emissions, or helping a pet spend a few more years at the center of families.

**This is our time.** We don't have the luxury of choosing the era in which we live. But we can control how we respond. **Our vision becomes reality when common visions collide, and**

**true purpose-driven passion can be harnessed for the collective good.**

Together, we can achieve complex goals for the good of society – around the world. Beyond the heartbreaking loss of lives to this pandemic, the greatest tragedy of COVID would be if we fail to act on what we've learned.

Elanco is better positioned to act than at any time in our history.

## Predictions for the Next Decade: 4 Forces Fueling the Future

What gives us confidence in our opportunity to make a difference? It's based in our demonstrated ability to execute and capitalize on key macro trends that will be forces of good in the first half of this decade, propelling our industry and Elanco forward.



### CURBSIDE TO COUCH: CREATING CONVENIENT ACCESS TO ANIMAL CARE

**COVID has forever changed our relationships with our pets and how we care for them.** Our pets moved from companions to favorite co-workers. They became regulars on Zoom calls, and the best reason to get out of the house. And as life returns to normal, pet owners expect to integrate their pets even more into their daily routines, prioritizing pet-friendly vacations, hotels, and workplaces. **This increased togetherness is translating into increased expectations around pet care and health,** driving broad-based industry growth from clinic visits for both wellness and sickness, to spending and auto shipments.

As the COVID-19 pandemic shuttered businesses, our sales and technical teams shifted to serve customers in innovative ways for a virtual and curbside world, supporting the surge in telemedicine and doorstep delivery. Omnichannel presence, which encompasses a strong

veterinary presence combined with leadership in specialty, mass retail, and e-commerce, has never mattered more. During COVID, we saw about one-third of pet owners shift their spending online. And nearly all expect to continue to use this channel. **With approximately half of the world's 500 million pets still unmedicalized, our increasing access to these animals as an omnichannel leader creates a responsibility to be the conduit – the bridge – between pet owners and veterinarians, improving pet care over the long-term.**

Meanwhile, continued technology innovation will give animals a voice like never before. Imagine a world of connected care where a collar on a dog not only provides protection from fleas and ticks, but also tracks daily activity, from food and water intake to number and speed of steps, helping a pet owner or veterinarian detect potential illness or osteoarthritis well before clinical signs. These types of advances are sure to improve our understanding of animal disease, pain, and well-being in new and interesting ways that will only further

the megatrends in the decade to come. Elanco stands as one of the only independent companies with the access, systems, processes and people to reach these animals around the world.

### THE PATH TO NET ZERO

If we're to achieve UN Sustainable Development goals like zero hunger, good health and well-being and temperature neutrality by 2050, sustainability is another key trend where we have to make a difference this decade. **And OUR time is NOW.** So that when this decade comes to a close, we are looking back on the major moves we made in this industry to make a healthier planet.

From changes in administration here in the U.S., to global organizations like the UN, to increased involvement of global philanthropic organizations and big donors – **the stars are aligned, and sustainability is part of everyone's agenda.** We all want the same things – a stable environment with clean air, clean water, and high-quality food that nourishes people. Livestock,

particularly cattle, are often cited as a leading culprit in air emissions. **We can be an easy target, or we can show the world we are part of the solution. Healthy animals play a critical role on the path to Net Zero, in addition to the important role meat, milk and eggs play in human nutrition and health.** They upcycle the food byproducts, grass, and forages that humans cannot use on land that has limited alternative use, creating 2.5 times more nutrient rich protein in meat and milk than they consume. The key to achieving Net Zero is sequestering carbon and balancing emissions with removals. Livestock are important players on both sides of that emissions balance sheet.

If we want to make a difference in emissions from protein production, we must invest in farm animal innovation, where orders-of-magnitude more protein will be produced and where the ability to reduce emissions within the sector dwarfs any impact alternative protein could achieve. For example, U.S. retail meat sales grew \$13.3 billion in 2020, which is 27 times larger than the entire refrigerated plant-based alternatives market.

Importantly, the major gas coming from cattle production is methane. Methane from cattle is derived from CO<sub>2</sub> in the atmosphere. Cattle eat carbon captured in plants and emit a small fraction as methane. Unlike carbon dioxide, which lasts for a century and is produced in alternative protein production, methane is a short-lived greenhouse gas, persisting for roughly a decade. As a result, cattle are part of the natural biogenic carbon cycle. The short-lived nature of methane is an opportunity however – atmospheric concentrations respond much quicker to emissions reductions than CO<sub>2</sub>. So reducing methane emissions can actually have a cooling impact on the environment. **If we can cut methane emissions by one-third in 2050**

**compared to 2020, we can create a significant cooling effect on the climate** and move us closer to the goal of the Paris Agreement containing global warming below 1.5 degrees Celsius. Farm animal innovations that cut methane emissions are an exciting opportunity for animal ag to be a part of the global climate solution.

Today, animal agriculture is responsible for about 4% of U.S. greenhouse gas emissions (GHGs). There are four main areas of emissions: enteric methane derived from the animal's digestive process, manure emissions, feed production, and, to a lesser extent electricity/fuel use. I'll focus on the first two.

**Enteric Emissions:** The best avenues to reduce enteric emissions include reducing loss from death and disease, optimizing feed to sources that generate lower emissions, genetic selection for animals that naturally have greater production efficiency, and feed additives that can reduce methane or improve efficiency, generating more meat, milk or eggs per unit of feed and reducing the amount of methane per unit. For example, in early 2021 University of California-Davis released new research on red seaweed that could cut emissions from beef cattle by over 80%. While more research is needed, innovations that get us to our target of cutting methane by a third are within reach.

**Manure emissions:** Manure emissions are the second largest part of the footprint, but manure can also be an important part of the solution. Anaerobic digesters convert manure to renewable energy to reduce on-farm energy needs or to be sold to the power grid. Industrial energy is responsible for around 11% of US emissions; if biogas from digesters can be used to reduce industrial GHG emissions, this would reduce that sector's emissions along with those of the livestock production. Manure can also be used as a natural

fertilizer, improving the health of the soil and increasing crop yields, while reducing need for synthetic fertilizer, production of which is a meaningful source of GHG emissions.

**Through our Healthy Purpose commitments, we at Elanco are committed to be livestock producers' leading partner on their journey to Net Zero.** Elanco solutions are already helping farmers and ranchers improve the sustainability of livestock production.

## ELANCO CAN IMPACT THE FIRST THREE EMISSION TYPES IN SEVERAL WAYS:

- 1 **Today 20% of animal productivity globally is lost to death or disease. We can have a significant effect on reducing both enteric and manure emissions simply by improving the health of animals.**
- 2 **Elanco helps the animal reach its genetic potential and be more productive, which means fewer animals are needed to produce the same amount of meat. Fewer animals equals less methane and less manure. Specifically, the unique mode of action in Elanco's Rumensin® directly reduces enteric methane in each animal.**
- 3 **Elanco helps the animal get more from its feed and improve feed efficiency, which means it needs less.**
- 4 **Finally, with more than 20 years of industry data tracking, Elanco provides technical and benchmarking expertise to help customers identify potential adjustments to reduce their footprint and track their progress over time.**

**Elanco's products, partnerships, robust industry data and expertise are the four key ingredients that help position us as our customers' lead partner on the path to Net Zero.**

Today, Elanco products reduce beef's footprint by at least 9%. In dairy, Rumensin use on an average 1,000-cow dairy decreases CO2 emissions per kilogram of milk by about 3.5% and enteric methane emissions nearly 5%. Livestock production can reach carbon neutrality by 2050; many farms will do it in this decade. And dairy, the largest source of animal protein in the diet, is an industry committed to achieving Net Zero by 2050. In just the last decade, dairy farmers reduced GHG emissions per gallon of milk by 20%.

But we know we can do better. Imagine a world where we aren't just focused on mitigating animals' impact on the environment .... a world where farmers' and ranchers' main source of income comes through their ability to recycle and sequester carbon to create renewable natural gas and renewable electricity from their herds.

**We can't eat our way out of climate change.** But we can improve how food gets to our plate. Animal health is an essential part of the climate smart agriculture required to nourish us while meeting climate goals. If we completely removed animal protein from the diet and every American went vegan, we would only reduce GHGs by less than 1.5%. New research suggests removing ruminants and protein production from the system entirely would actually be counterproductive, potentially even increasing emissions in the long-term. We must foster a dialogue focused on bringing innovation, investment, and real solutions that achieve health for the planet, animals, and people simultaneously. Together, we can achieve complex goals for the good of society across the globe.

## INNOVATION MATTERS

Innovation does matter. It is rewarded. And it will be the enabler of both the changing pet care landscape and environmental trends. Throughout history, science and innovation have been the solution to our greatest challenges. Innovation will be the answer again.

As the animal health industry is maturing, it's beginning to attract investors to drive new innovation and convergence of other industries. With bigger, independent companies uncoupled from human pharma, the industry is poised to make significant progress. During this decade we will see emerging innovators, expansion to adjacent space, new funding and sourcing models. And Elanco wants to be THE innovation partner of choice. As a global pet and livestock leader, Elanco has significant access to animals – 19 species in nearly 100 countries –and the track record as a conduit to source, partner, and globalize innovation in animal health. We predict that the sourcing, partnering, development and funding of innovation will be more transformational and significant the next five years than ever before in animal health.

## CREATING COMMUNITY ON THE INSIDE CHANGES COMMUNITIES ON THE OUTSIDE

I would be remiss if I were to close this letter without mentioning the social injustice our world experienced in 2020. We at Elanco spent a great deal of time in 2020 processing these injustices, seeking to bring greater understanding and become better advocates for all people. We need to listen more. We need to do more. We

need to reach out more. We need to challenge perspectives more. We cannot waste this time and opportunity today to make tomorrow better.

Elanco aspires to be a safe harbor, to foster a culture and community where all employees from across the globe can be their authentic selves every day. As the world is a sea of divisiveness, Elanco becomes a harbor of personal security where our team can form community, where they feel safe and enabled to be themselves, where they can thrive. This takes culture to another place. And work-life balance to a whole life experience that exudes respect and a demand that everyone can express and be their whole self. Our values of Respect, Integrity, and Excellence aren't just words on a wall. They come to life daily in how we care for each other, in how we embrace everyone, their unique backgrounds and beliefs, and how we make our toughest decisions. The events of 2020 have been a catalyst for action, especially around making everyone comfortable speaking up when seeing injustice.

We have used this time to unite and strengthen the community inside our company, because it will be our leaders that go outside our company into the communities where we live and work to make a difference in the world. We also need to lend our voice to driving change faster in our community.

**Two years into Elanco's journey of building a fit-for-purpose, independent global animal health leader, we are well positioned to capitalize on these four forces, accelerating sustainable long-term value for customers, shareholders, and employees while turning these trends into a force for good for society as a whole.**

# State of Elanco

## Progress in the Face of Two Pandemics

Now let me turn my attention to Elanco's progress in 2020. Since our 2018 IPO, we have weathered two pandemics – African Swine Fever and COVID-19 – and made tough, but necessary decisions to best position the company for the long-term, from acquiring Bayer Animal Health to making a significant distribution strategy change.

During a year of many challenges for our business, we worked through these multiple obstacles – virtually, in most cases – creating a solid platform for our future. Among our 2020 milestones, the most significant was the completion of our acquisition of Bayer's animal health business.



**As we move forward, I am committed to industry-leading transparency, simplified reporting, and expanded and strengthened Board oversight and governance. We will continue to provide regular financial guidance to give you confidence and clarity about Elanco's future.**

### Major Milestones Achieved

**In 2020, we made important decisions and took action to deliver improved near-term and long-term value.**



#### Bayer Animal Health Acquisition

We secured financing, remedied antitrust assets, and closed the Bayer acquisition, including facilitating the sale of the majority of Bayer's 15% stake. As a result of the transaction, Elanco has a more durable, diverse business with stronger Pet Health and cattle portfolios. Elanco has become the Pet Health omnichannel leader, which is proving even more vital in the wake of the pandemic.



#### Distribution Strategy Change

By the end of the second quarter, we completed our distribution strategy change. This model change has proven to increase competitiveness as evidenced by improved receivables, cash conversion, margin, market share, and price growth in subsequent quarters, while maintaining days of sales outstanding.



#### Systems

At the end of the year, we neared the completion of our separation and standup from Lilly. The entire global Elanco team is now operating on standalone IT and SAP systems with essentially all Lilly TSAs completed at the end of the first quarter of 2021. The SAP transition reduced the complexity from operating in three separate SAP systems – Lilly, Elanco, Bayer carve-out – down to two with the final phase of migration to come.



#### Pipeline

The pipeline is progressing with the newly expanded and strengthened scale and capabilities expected to contribute 2-3 percentage points of growth annually. As of February 2021, we had secured nine of the 13 approvals needed to support the company's eight key 2021 launches.



#### Value Capture

We continue to streamline processes, optimize our footprint, and deliver increased operational efficiency. We have announced plans for approximately half of the anticipated \$300 million in synergies, with a path to achieve them two years faster than originally planned.



#### Expanded Governance

In December 2020, we expanded the Board to bring additional capabilities, experience, and expertise to deliver consistent, sustained value while integrating an investor perspective. The added and expanded committees are focused on enhancing strategy and execution.

We ended 2020 with strong momentum. With these milestones behind us, Elanco stands at an inflection point, positioned for accelerated long-term value creation for shareholders and society. **With the addition of Bayer, Elanco's value creation opportunity – we believe the most significant in the industry – is even more material than when we launched our IPO in September 2018.** That's what excites me about Elanco, along with our tenacious, resilient people and their relentless passion around both our purpose – Food and Companionship Enriching Life – and serving customers: farmers, veterinarians, and pet owners. We know there will be continued challenges, but I am confident in the Elanco team and how they respond with creativity and innovative solutions to whatever may arise.

**Today, our newly combined company is more durable, more diverse, and better positioned to capitalize on industry trends.** We have strengthened and expanded our Innovation, Portfolio, and Productivity (IPP) strategy. It remains our foundation for sustained growth and profitability, with innovation at the forefront of delivering consistent, dependable revenue contribution. We have a more balanced portfolio between our Pet Health and Farm Animal categories, and greater geographic reach, with a more even split between U.S. and International, and new strength in emerging growth economies. We have enhanced capabilities in critical market segments. And our omnichannel presence – now our sweet spot – has never mattered more. During COVID, we saw about one-third of pet owners shift their spending online, and the vast majority expect to continue to use this channel. We continue to see a long-term opportunity for growth with roughly half of the world's 500 million pets yet unmedicalized.

Our expanded global portfolio allows us to provide more comprehensive

animal health solutions to farmers, veterinarians, and pet owners.

Since closing the Bayer Animal Health acquisition on August 1st, Elanco has outperformed our expectations every month, driving revenue beyond the high-end of our fourth quarter 2020 revenue guidance, achieving \$1.14 billion and closing the full year at \$3.3 billion.

**Most importantly, as I reflect on 2020, it's with deep gratitude to our Elanco team.** Our frontline essential workers in the labs and plants kept our pipeline and products flowing. Our sales and technical teams shifted to serve customers in innovative ways. They not only weathered the pandemic and kept our customers in the center, but they did it while we were completing our industry's largest ever acquisition – all virtually. The executive team and I remain inspired by the deeply committed, passionate performance of the Elanco team.



**One of my biggest learnings from 2020: strong vision and purpose to make a difference create a level of loyalty I couldn't begin to imagine when we started on our journey to create a purpose-driven company 15 years ago.**

**I have more resolve and confidence than ever that Elanco is at an inflection point for delivering long-term value creation, which begins in 2021.** Our outlook demonstrates growth, dependable innovation contribution and resumed progress toward margin and deleverage targets.

As we outlined in our December 2020 Investor Day, Elanco expects

to deliver 3% to 4% average annual revenue growth over the long term. We expect to achieve our long-term margin targets of 60% adjusted gross margin by the 2023-2024 timeframe, and 31% adjusted EBITDA by 2024. This begins in 2021 as we continue the momentum we saw in the fourth quarter of 2020 and begin our first full year as a combined company.

We will continue executing our aggressive value capture agenda in 2021, with expected delivery of \$300 million in synergies by 2023, two years ahead of expectations when we announced the deal. We will build on our proven track record of continuous improvement, delivering at least \$100 million in legacy Elanco productivity savings in 2021 through 2023. And we have a clear road map to reduce our net leverage ratio to below 3x by the end of 2023.

As we close out a year we will never forget, I want to end with my sincere appreciation to our Board of Directors and particularly our Chairman, Dave Hoover, for the wisdom, advice, and guidance as we've transformed Elanco into a global leader.

Finally, thank you to all of you – our investors – for your continued belief in Elanco, our strategy, and the difference that we can make for customers and our world.

**Jeff Simmons**  
Elanco President  
and CEO

# A Letter From Our Chairman



## Focus and Commitment.

In a year of unparalleled challenges that included not one but two pandemics – African Swine Fever and COVID-19 – focus and commitment defined 2020 for Elanco. And with our unwavering focus and commitment to execution - from our executive team, through our 9,000 global employees to our Board - Elanco is exceptionally well positioned to deliver long-term value for our customers, our employees and our shareholders.

Despite the unprecedented challenges the two pandemics presented across our global business, 2020 was a year of significant achievement for Elanco. In only our second year as a public company, Elanco neared completion of separation from Lilly – standing up our own systems and processes – while reinvigorating our commercial model, advancing our aggressive margin expansion plans and completing the acquisition of Bayer Animal Health, largely without Transition Service Agreements.

With our demonstrated focus and commitment, today, Elanco is better positioned than ever for long-term growth and value creation.

Through the Bayer acquisition, we now have an evenly balanced portfolio between Farm Animal and Pet Health. We now have significant presence in key growth markets across the globe. We have an expanded portfolio of strong brands. And we have newfound omnichannel strength with leadership in animal health e-commerce.

In 2020, Elanco also demonstrated our focus and commitment to Diversity, Equity and Inclusion – as well as to our Environmental, Social and Corporate Governance





responsibilities through Elanco's Healthy Purpose™ and the advancement of our industry's first-of-its kind Healthy Purpose Pledges. Healthy Purpose is designed not only to help our own company achieve a more sustainable future, but our customers, communities and the planet, as well. Very few industries, much less companies, are able to have such a direct impact on the daily life of people.

None of this is possible without the focus and commitment of our executive leadership team and our dedicated employees. They share a genuine sense of ownership and accountability, driven by their passion for our vision: Food and Companionship Enriching Life. In my career, I've seldom witnessed the passion, commitment and singular focus on what a company is working to achieve as I've felt at Elanco in the past few years.

I want to thank our Board for its exceptional work throughout 2020 in a new virtual world. We welcomed three new members who added strength in innovation and finance while also bringing greater investor perspective. We strengthened our governance with the expansion of the Finance and Oversight committee and the creation of the Innovation, Science and Technology committee to continually bolster these critical areas for Elanco.

I knew becoming Chairman of the Board of Directors for Elanco in early 2018 would be a rewarding journey. But I never imagined all that Elanco would accomplish in just a few short years of independence... transforming to an industry leader, poised for its next era of growth.

Our unflinching focus and commitment will continue to be our north star, assuring those stakeholders who are counting on us that Elanco will consistently deliver with discipline.

## **R. David Hoover**



# 2020 Financial Results

Elanco ended 2020 with good momentum, generating full year revenue of \$3.3 billion representing 7% growth year over year, comprised of \$2.7 billion from the legacy Elanco business and \$0.6 billion from the legacy Bayer portfolio. Revenue for the combined company was \$4.4B, assuming a full year of Bayer Animal Health revenue and excluding divestitures for both companies.

**Strong execution and intact fundamentals allowed the company to drive revenue and adjusted EBITDA above guidance in the fourth quarter, and EPS at the top-end of the range.**

On a reported basis, full year gross margin decreased 300 basis points to 49.1% of revenue primarily due to amortization of inventory fair value adjustments recorded from the acquisition of Bayer Animal Health, unfavorable product mix, and deleverage of fixed manufacturing costs across the lower legacy Elanco revenue base, more than offsetting the benefit from inclusion of the acquired gross profit, price improvement for legacy Elanco, and continued improvements in manufacturing productivity. On an adjusted basis, full year gross margin

decreased 10 basis points to 52.0% of revenue. Reported net loss and loss per share were \$560.1 million and \$1.27, respectively. Net income and earnings per share, on an adjusted basis, were \$206.7 million and \$0.47 per share, respectively. Adjusted EBITDA was \$528.5 million on 16.1% of revenue for the full year 2020.

The fourth quarter financials provide a more accurate reflection of the newly combined business. In the quarter, the reported gross margin decreased 300 basis points to 49.1% of revenue, while adjusted gross margin<sup>2</sup> increased 480 basis points to 52.7% of revenue, driven by the benefit from the inclusion of the acquired gross profit from Bayer Animal Health, price improvement for legacy Elanco products, and continued improvements in manufacturing productivity, partially offset by lower absorption driven by lower production volumes, fixed cost deleverage, and unfavorable product mix for legacy Elanco. Reported loss per share in the quarter was \$0.66. Adjusted EPS in the quarter was \$0.12 per share. Adjusted EBITDA was \$175.9 million, exceeding the high-end of the guidance range.

**\$3.3  
Billion**

2020 revenue

**7%  
Growth**

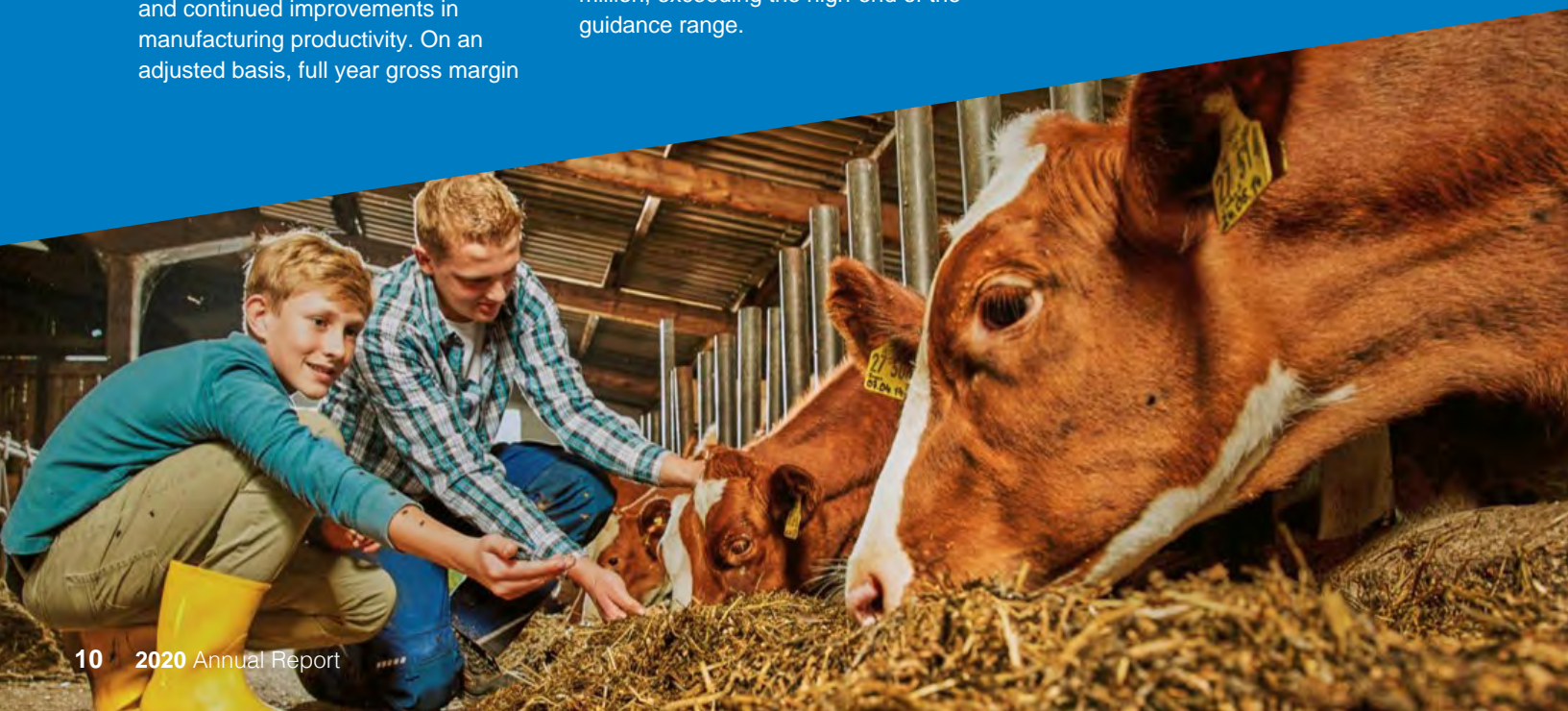
year over year<sup>1</sup>

**\$4.4  
Billion**

combined  
company revenue

<sup>1</sup> Revenue growth inclusive of legacy Bayer Animal Health products beginning August 1, 2020.

<sup>2</sup> Adjusted gross margin is defined as adjusted gross profit (total revenue less adjusted cost of sales) divided by total revenue.



# Strengthened and Expanded Innovation, Portfolio, Productivity (IPP) Strategy

Elanco's acquisition of Bayer Animal Health in 2020 strengthened and expanded the company's IPP strategy with a more robust portfolio in key categories, focused innovation to support further portfolio expansion and a comprehensive, multi-year productivity agenda to unlock greater value opportunities.

## Dependable Revenue Growth from Innovation

~\$80-\$150M in annual contribution, driving 2%-3% growth

Consistent 8%-9% investment

Intentional pipeline mix to balance blockbusters with portfolio solutions

Complementary external innovation as partner of choice

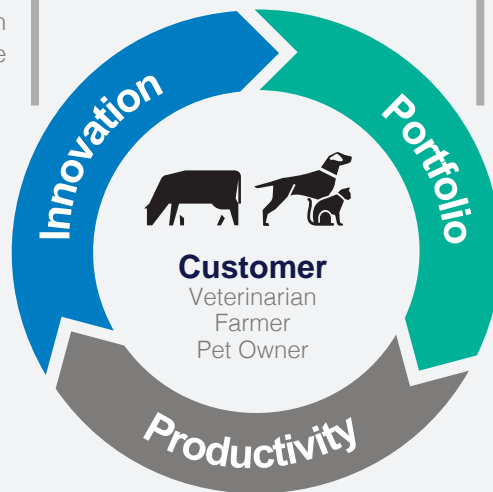
## Expanded Portfolio, Capabilities, Access

Invest in focus brands; optimize defend brands

Key enablers drive growth across portfolio

Enhanced and focused commercial structure

Cross-functional collaboration supporting new launches



## Unlocking Value

Quicker achievement of \$300M synergies; \$100M+ in productivity savings

Confidence in debt paydown and path to <3x leverage

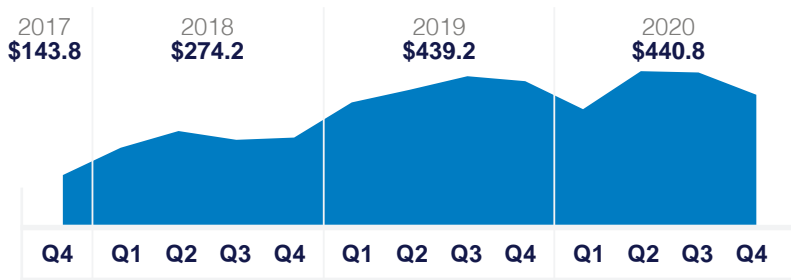
Adj. gross margin 60% and adj. EBITDA margin 31% targets intact

## Innovation

We believe innovation will drive Elanco's growth over the next few years with a balance of blockbusters and compelling, complementary portfolio solutions, creating dependable revenue, contributing 2-3 percentage points of growth annually.

In 2020, the 14 legacy Elanco products launched or acquired since 2015 delivered \$441 million of revenue, up 5% year over year, excluding divestitures and despite COVID-related pressures. Moving forward, these recent innovations will transition into our focus brands which will drive our sales growth in 2021 and the years to come. In 2021, we will transition to tracking the next wave of Elanco innovation, beginning with eight new launches in 2021, expected to contribute \$80 to \$100 million in revenue in their first year. **Over the 5-year period, Elanco has 45 "shots on goal" expected to translate to 25+ launch equivalents, with an anticipated revenue contribution of \$500 million to \$600 million in 2025.**

Launched or Acquired Since 2015 <sup>(1)</sup>  
**New Product Progress**  
 \$ Millions



### Products Include

#### Pet Health

Osurnia<sup>®</sup> (2)  
 Galliprant<sup>®</sup>  
 Credelio<sup>®</sup>  
 Entyce<sup>®</sup>

Interceptor<sup>®</sup> Plus  
 Nocita<sup>®</sup>  
 Tanovea<sup>®</sup>

#### Farm Animal

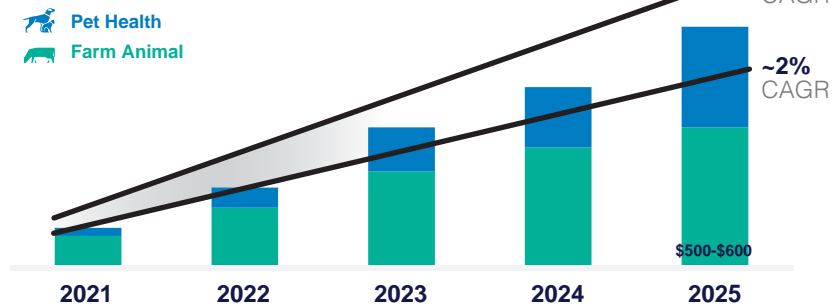
Imrestor<sup>®</sup> (3)  
 Imvixa<sup>™</sup>  
 Kavault<sup>®</sup>  
 Intepriety<sup>®</sup>

Clynav<sup>™</sup>  
 Prevacent<sup>™</sup> PRRS  
 Correlink<sup>™</sup>

**Full Year 2020**  
**5% growth** excluding divestitures

(1) Excludes products acquired from Bayer Animal Health  
 (2) Osurnia was divested as of deal close on August 1, 2020; growth rate excludes Osurnia in 2020  
 (3) Marketing of Imrestor has been suspended while additional indications are pursued

**Development Pipeline Contribution to Revenue**  
 \$ Millions



## 2020 Innovation Milestones

**Expanded feline offerings with:**  
 1) the U.S. approval for Elura, a new prescription medicine to manage weight loss in cats with chronic kidney disease, an increasingly common condition with age; and 2) the European launch of Credelio for Cats, a monthly tick and flea chewable tablet specifically designed for cats.

**Expansion of the Galliprant franchise** to additional geographies, with approvals and launches in important Pet Health markets including Australia, Brazil, and Japan. Galliprant is a first-of-its-kind NSAID treatment for canine osteoarthritis pain and inflammation.

**Increxxa was approved for treatment** and control of cattle and swine respiratory disease in Europe.

**South Korea established a Maximum Residue Level (MRL)** for Experior in December, creating trade access in the important import market and paving the way for a first quarter product launch.

**Alongside Elanco's internal efforts, the company will continue its unique approach to innovation as the external partner of choice, given its enhanced scale and access to the world's animals, farmers, veterinarians, and pet owners. In 2020, Elanco external agreements included:**

An agreement with **KindredBio to commercialize a first-of-its-kind monoclonal antibody for the treatment and prevention of canine parvovirus.** This deadly disease impacts at least 250,000 puppies annually in the U.S. and has no approved treatment available.

An agreement with **AniV8, Inc. to evaluate the company's wearable technology** in research settings.

AniV8's collar-mounted device is based on high quality science, using patented proprietary algorithms and cloud-based data analytics to measure the quality – rather than quantity – of movement. It is the first wearable health monitor to diagnose and monitor osteoarthritis pain in dogs and cats in this method.

A collaboration with **VetNow to provide veterinarians access to a telemedicine** platform to maintain service to animals and owners, including specialist consultations, during a time when the industry has

been challenged to find new ways to connect.

Furthermore, in 2020 Elanco inked **a four-year agreement with Purdue University and Purdue Research Foundation** allowing Elanco to work side-by-side with Purdue's leading animal health research scientists, to turn ideas and technical needs into action with greater speed and agility.

Finally, Elanco created a new Innovation, Science, and Technology committee of the Board, which in tandem with a newly established external innovation advisory panel, will identify and capitalize on external collaboration opportunities.

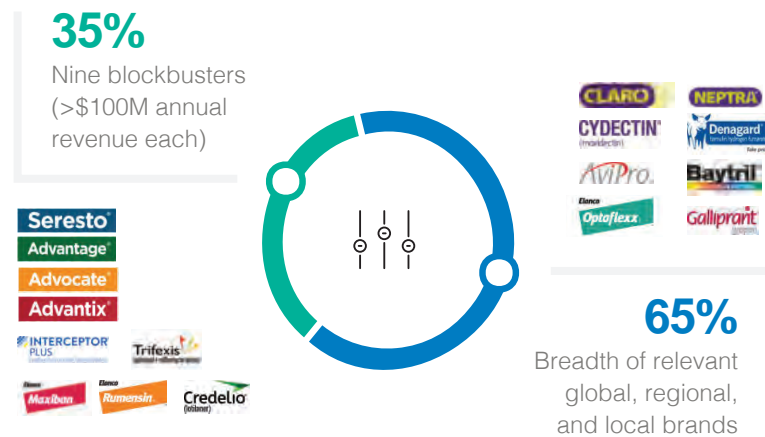
## Portfolio

Elanco is a strategic global leader with a more robust, diverse, durable portfolio following the acquisition of Bayer Animal Health. **With the increased scale and reach, Elanco has more access to the world's animals than at any point in the company's history.** The Elanco business is now more evenly balanced between U.S. and International, Pet Health and Farm Animal, with new strength in emerging growth economies.

Elanco's expanded global portfolio will help provide farmers, veterinarians, and pet owners more comprehensive animal health solutions.

With the addition of Credelio this year, Elanco now has nine of the industry's approximately 40 blockbusters with one more nearing the \$100 million threshold. These big brands make up approximately 35% of Elanco's annual revenue and serve as the anchor of broad portfolios.

In 2020, Elanco introduced a framework for the company's portfolio as part of its long-term algorithm for growth:



### Focus brands

Those significant Pet Health, poultry, and aqua brands that are accretive to Elanco's overall growth and where the company will invest.

### Core brands

The vast portion of the portfolio that in aggregate is stable to growing slightly.

### Defend brands

Rumensin, Triflexis, and the Advantage family, which are highly profitable, material brands where Elanco will work to maximize their profitability and preserve sales.

**In Pet Health,** Elanco provides a complete approach to care, from disease prevention and wellness for the youngest puppies to helping older pets remain active, healthy, and happy companions. Elanco has a diverse portfolio including a broad range of parasiticides, a wide-ranging pain offering, and a strong U.S. vaccine portfolio.

**Elanco now brings the broadest pet parasiticide portfolio in the market, offering options for every pet need or preference, lifestyle, and budget.** These range from over-the-counter topical treatments and collars, such as the blockbuster long-lasting Seresto collar, and the flagship Advantage family of products, as well as veterinarian-prescribed chewables that prevent worms, ticks, and fleas with Credelio and Interceptor Plus. Elanco intends to launch an innovation in the global parasiticide market every year on average for the next five years,

starting with Credelio Plus in certain international markets in 2021.

**Importantly, Elanco is now the leader in retail and e-commerce and has been outpacing the double-digit industry growth in the U.S. market.**

Omnichannel is a sweet spot for Elanco and one of the key growth enablers.

The company's **expanded Farm Animal portfolio** positions Elanco to serve an even broader spectrum of the industry, adding anchor brands from Bayer to the cattle, swine, and aqua portfolios, making Elanco #1 in aqua

and #2 in beef globally. Meanwhile, Elanco remains the market leader in poultry and expects this category to drive revenue growth over the medium- to long-term.

In addition to strong brands in the Pet Health and Farm Animal businesses, Elanco will grow its portfolio with five key growth enablers: launch excellence, omnichannel leadership, geographic expansion, pricing, and digital ecosystem.

## Productivity

Elanco's multi-year company-wide productivity agenda continues to unlock value. **The manufacturing organization captured \$115 million in cost savings and avoidance in 2020. Since 2018, the team has delivered \$250 million in cost savings and avoidance, surpassing the original \$215 million goal,** and contributing most recently to our fourth quarter gross margin expansion and outperformance.

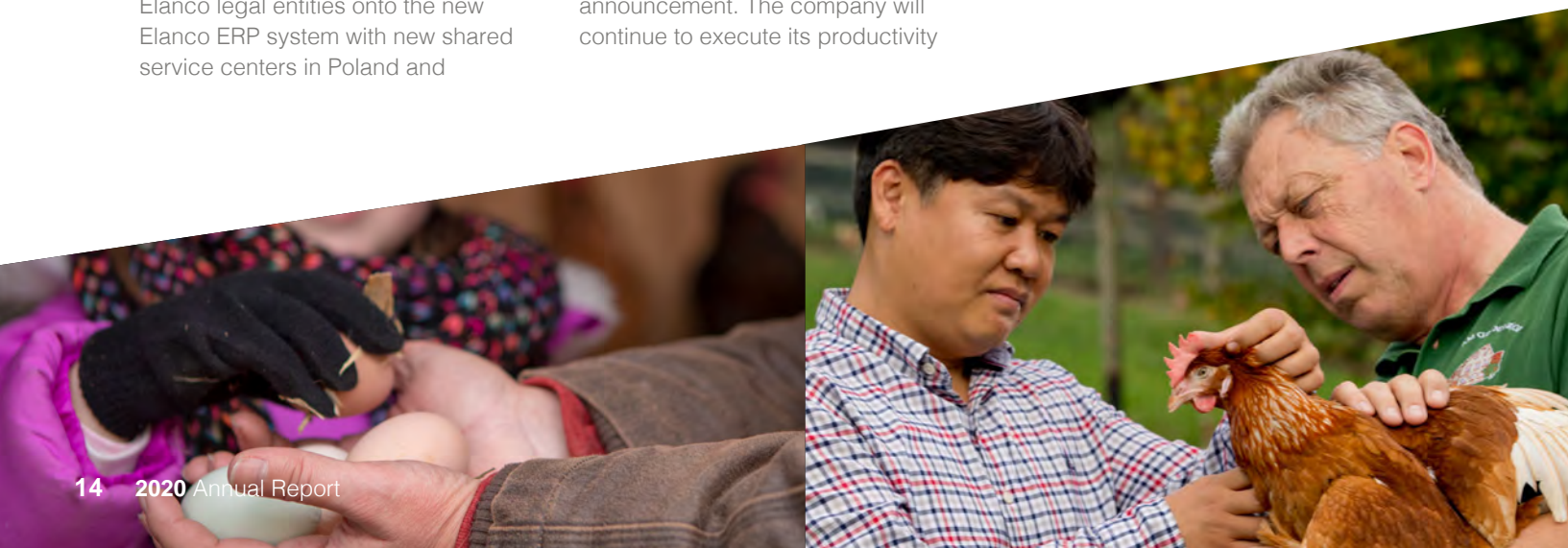
Elanco has transitioned all its historic Elanco legal entities onto the new Elanco ERP system with new shared service centers in Poland and

Malaysia executing the company's financial transactions. Elanco has also completed the move of all Elanco employees into its own facilities on its own IT network infrastructure. As a result of this global effort, Elanco exited all material Lilly TSAs on time by the end of March 2021.

Elanco is accelerating value capture efforts to deliver \$300 million of planned EBITDA synergies from the Bayer acquisition by 2023 – two years faster than anticipated at deal announcement. The company will continue to execute its productivity

agenda to deliver an additional \$100 million in expected cost savings and avoidance benefits over the next two years on the legacy Elanco business.

The larger combined Elanco is positioned for innovation to deliver dependable revenue growth with an expanded portfolio, capabilities, and access to the majority of the world's animals, while the multi-year company-wide productivity agenda will continue unlocking value.



# Making Life Better

Elanco is committed to the idea that its business can be a unique force for good for all in society, starting with animals. Therefore, its approach to sustainability - called Elanco Healthy Purpose™ - is a framework of sustainability commitments focused on advancing the well-being of animals, people, and the planet. In this context, in October 2020, Elanco became the first animal health company to launch 2030 sustainability commitments, the Elanco Healthy Purpose Pledges, designed to drive sustainable change and support the United Nations Sustainable Development Goals (SDGs).

Elanco's Healthy Purpose is built on four interconnected pillars: Healthier Animals, Healthier People, Healthier Planet, and Healthier Enterprise. These represent the areas that are the most important to customers, employees, investors, and other stakeholders, and bring to life the company's vision for driving sustainable solutions for generations to come.

Entering this decade, in the wake of

fundamental changes happening around the world due to the COVID-19 pandemic, Elanco's purpose-driven culture has potential to create societal change, beyond healthy animals, in ways that weren't possible before. It all starts with healthy animals. They are the unexpected, game-changing variable, that will unlock solutions to the seemingly disconnected issues of environmental, physical, and mental health.

These connections, from the role of nutritious protein to the positive effects of pets, have significant impact on daily human health. This realization 15 years ago transformed Elanco from being solely focused on animals, to being in the people business.

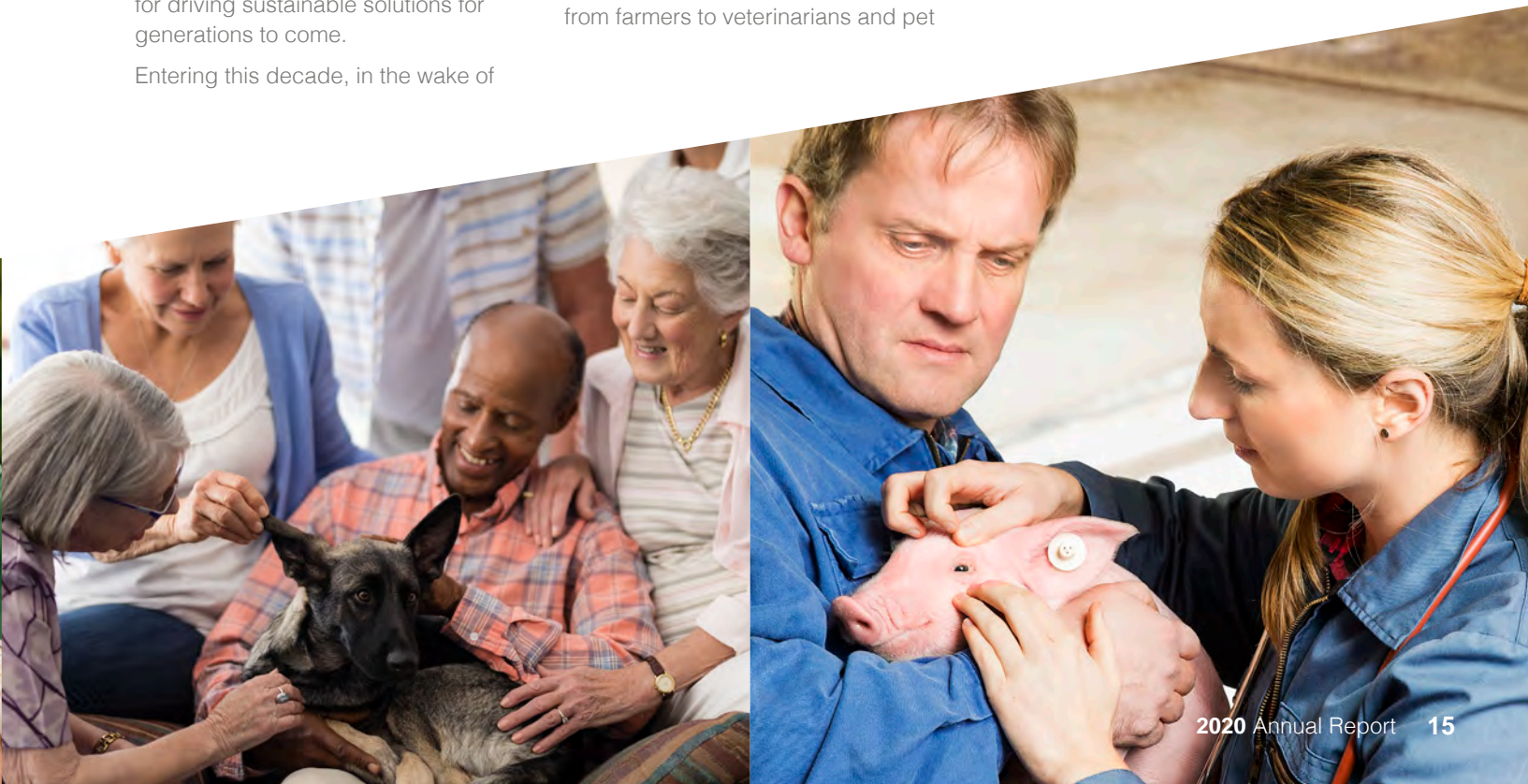
But Elanco recognizes it can't solve the problems plaguing society alone, and is committed to doing its part, to work with the right people – from farmers to veterinarians and pet

owners, all the way to legislators, non-profit organizations, and food suppliers – to build sustainable solutions for healthier people, animals and planet.

Elanco's 2030 Healthy Purpose Pledges, in support of the UN Sustainable Development Goals, are the start to this journey:

## PROTEIN PLEDGE

First, Elanco pledged to create more resilient food systems by enabling **57 million more people to access their annual nutritious protein needs**. With millions in the world unable to access affordable, nutritious protein, Elanco will help improve the efficiency and sustainability of the farmers it works with. By **improving the health and well-being of about three billion farm animals**, and 300,000 small holder poultry producers, Elanco will help farmers produce more protein. That



**Elanco**  
**HEALTHY PURPOSE™**

**OUR 2030 PLEDGES**



**THE PROTEIN PLEDGE**

57 million more people with access to their annual nutritious protein



**THE PLANET PLEDGE**

Remove at least 21 million tons of emissions



**THE PET PLEDGE**

100 million more healthy pets for more healthy people

OUR AMBITIONS ARE MADE POSSIBLE BY

**THE ELANCO DIFFERENTIATORS**

**PEOPLE WITH PURPOSE**

Elanco is a safe harbor where passionate, highly-engaged people have the opportunity to live out their purpose

**ACCESS WITH PURPOSE**

Creating value and improving society through greater access to the majority of the world's animals

**INNOVATION WITH PURPOSE**

Every innovation addresses our customers and society's greatest needs

**OUR HEALTHY PURPOSE OUTCOMES**



**HEALTHIER ANIMALS**

**HEALTHIER PEOPLE**



**HEALTHIER PLANET**

**HEALTHIER**



**ENTERPRISE**





means more nutritious food for the people who need it.

## PLANET PLEDGE

Second, **Elanco aims to remove 21 million tons of emissions from customers' farms while reducing its own impact on the planet.** The environment needs protection and as a company with a global footprint, Elanco can help reduce impacts and develop solutions that support customers. Elanco will be a lead partner in its customers' journey to reduce emissions on their farms. And will lead by example by transitioning to entirely renewable energy sources and more sustainable packaging.

## PET PLEDGE

Finally, Elanco pledges **to improve the world's well-being by helping at least 100 million healthy pets help people, an increase of 40 million by 2030.** Elanco works to break down barriers and increase access to care as improving and extending pets' lives supports the health and well-being of people.

Now more than ever, it's evident that pets provide people the mental and physical benefits they need. They're

a furry prescription on four legs. Healthier pets mean healthier people too.

At the enterprise level, society's most complex problems can be solved through passionate people and purposeful innovation with a focus on greater access to animal care. Now the second largest independent animal health company in the world, Elanco can make more of an impact.

**Achieving the Protein, Planet and Pet Pledges are only made possible through the Elanco Differentiators: People, Access, and Innovation.**

At Elanco, highly-engaged people are the difference. Through its Employee Promise, Elanco works to create a safe harbor where employees are encouraged to bring their whole self to work to build an inclusive environment. All employees have the opportunity to discover their why and define their Personal Standard Operating Procedure (PSOP) to create a plan that supports well-being in all areas of their lives.

Second, innovation will be one of

the company's competitive edges. Elanco expects to bring first-in-class and best-in-class innovation to advance new areas of animal health. The company has proven to be an innovator over time, throughout its nearly 70-year history, growing more than 4x in the last 15 years – going from a U.S.-only farm animal, feed additive company to a global pet and livestock leader. With greater access to animals, across 19 species in nearly 100 countries, Elanco has a responsibility to be the conduit – the bridge – between animal health, the health of the planet, and the health of people.

When healthy animals are at the intersection of solutions, Elanco believes this decade will bring higher quality lives, less anxiety, less obesity, more companionship, and greater connectivity. Through partnerships with farmers, veterinarians, major food producers, and retailers, Elanco can make life better for animals, which in turn, makes life better.



## ELANCO'S EAST AFRICA GROWTH ACCELERATOR INITIATIVE ENTERS FINAL YEAR

In 2017, Elanco received a grant from the Bill & Melinda Gates Foundation to provide East African smallholder farmers with both knowledge and consistent access to reliable animal health products. Since then, Elanco has been driving its Shared Value initiative "East Africa Growth Accelerator", EAGA, providing sustainable development solutions and addressing food insecurity in East African countries to make a lasting impact on the world.

Elanco and its employees around the world donate to and participate in charitable projects that benefit communities in which they live and work. But non-profit work alone is not enough. The key to empowering millions of people, especially poor farming communities, to lead a better life is creating a sustainable, longstanding business that helps communities improve their livelihoods in the long run.

Improved animal health reduces animal mortality and poverty through increased productivity and improved diets, health, and incomes of local families. The EAGA project supports smallholder farm operations in Tanzania, Kenya, and Uganda to become more productive and self-sufficient.

In the program's final year, the goal is to further strengthen the foundation of a successful business in all three countries, benefitting both the farming communities served and the company's business operations in the long term.

By the end of 2021, the company expects to provide a total of 240,000 dairy and poultry smallholder farmers in East Africa with access to high-quality veterinary medicines in adapted small pack sizes. This will benefit the health of around 1.1

million cows and 16 million chickens, helping smallholder farmers in the region improve their income and help supporting communities become more food secure.

Collaborating with local partners, the team behind EAGA has already achieved ground-breaking results.

Over the past three years, the team has offered more than 1,000 trainings to smallholder farmers in the region, teaching good handling practices, as well as the correct use of a range of animal health products and solutions.

As part of these educational efforts, Elanco also partnered with Farm Radio International to produce a 13-week radio series on animal health and husbandry, which aired via interactive radio in Northern Tanzania and reached about 4 million local livestock farmers. As shown by a recent survey, this directly impacted farmers' confidence, with more than 60% of surveyed farmers changing their behaviors when using products, leading to better production results.

As a result, more livestock keepers are now looking for expert advice on various issues as they become more knowledgeable in farming practices.

Throughout 2021, the team plans to extend virtual and on-farm training offers to reach even more farming families across the three countries. The team will continue to cooperate closely with local distributors in order to ensure correct handling of products along the value chain and sustain product safety and quality.

While the EAGA project was originally scheduled to conclude in 2020, Elanco obtained a one-year no-cost extension of the grant to sustain market access of products and ensure the last mile distribution to the farmers. This is particularly important to mitigate the impact of the COVID-19 pandemic on planned activities.

## Making Life Better for Customers

### REPOPULATING CHINA'S SWINE HERD

In the second half of 2020, Chinese livestock producers worked hard to recover from African Swine Fever that swept through the country. That meant every available gilt was used in breeding to build up herd numbers, even those without top quality breeding that would normally be used as a market animal. One of the most significant challenges to repopulation was ensuring a healthy sow population. It was not uncommon for these non-typical breeding sows to experience higher rates of abortion due to bacterial diseases and immune deficiencies.

Elanco's swine technical, sales, and marketing teams worked with producers to identify solutions. One particular swine producer was experiencing abortion rates of 30%. The Elanco team worked closely with the producer to reduce the bacterial loads in sow populations required for breeding and re-stocking after the ASF outbreak through a combination of Elanco's key swine health products. When administered at the right times in the breeding cycle, the team succeeded in reducing farm abortion rates from 30% to 10%. The team was able to share the learnings and positive results across other swine producers, helping to ensure a faster repopulation of China's swine herds and securing the future of affordable healthy pork for China's people.

It was not just the product that ensured a successful result and healthier animals, but also the expertise, passion, and services of Elanco's technical and customer service teams that delivered value beyond product, including

performance management and data analysis, at such a critical time for China's swine production sector. While ASF continues to be a challenge for swine producers across China, Elanco will remain a key partner for our customers as they continue to expand production.

## ADDING VALUE THROUGH PRODUCTS AND SERVICES

Many times, the greatest differentiator for Elanco is an expertise, a resource, or a person who can uncover an insight or fill a void that goes beyond products. The goal of Elanco's Knowledge Solutions (EKS) expert team is to do just that: to understand the customer's problem, uncover the solution, and provide valuable solutions beyond the product that makes Elanco more than just an animal health company, but a leading partner to our customers in pet health and livestock production.

From walking alongside a feedlot operator to create greater process efficiencies in daily feeding, to

helping a veterinary clinic to improve its customer experience, Elanco's Value Beyond Product (VBP) approach combines expertise with science and technical know-how.

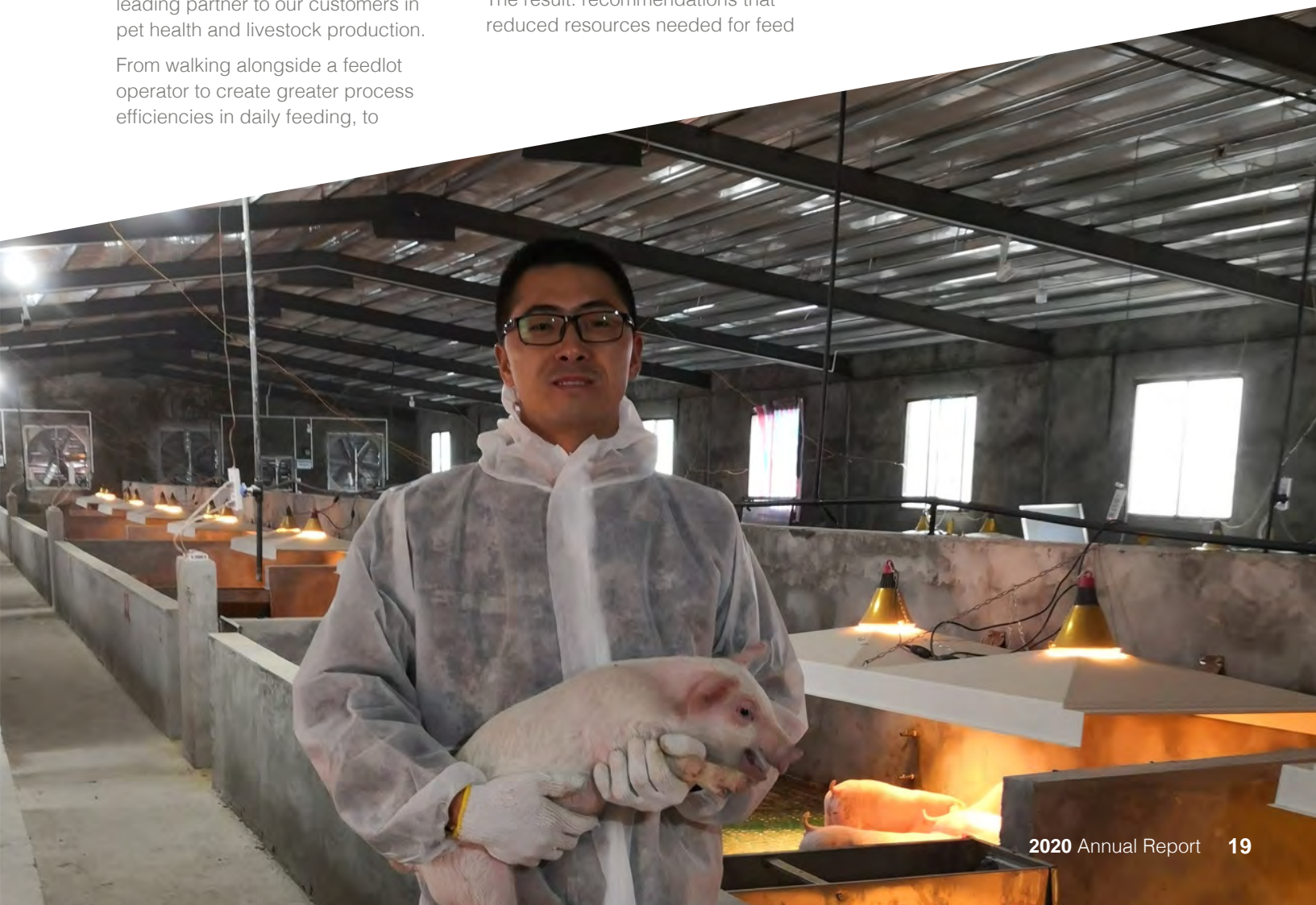
Once a problem is identified, Elanco experts spend time at the farm or the clinic observing, asking questions and developing both "quick wins" and longer-term operational change recommendations that can have a significant impact on the organization.

These projects not only help secure a long-term customer commitment and increased value, but they often create environmental, social, and economic benefits for the customer.

As a recent feedlot customer was identifying opportunities to continuously improve its business, the company turned to Elanco for support. The Elanco customer team called in EKS to conduct a process efficiency assessment. The result: recommendations that reduced resources needed for feed

delivery by 47%, shortening work hours required to accomplish the feeding by more than two hours a day. In addition, the team's work improved overall cattle nutrition and decreased animal stress by increasing consistency of feeding times by a third and decreasing variation in the ration with each feeding. Ultimately, the work reduced the customer's costs by more than \$15 per head. This project, like others being conducted by Elanco's VBP experts around the world, enable customers to focus resources on the highest value improvements while identifying low cost (and even no cost) solutions for greater growth.

These types of insights are a valuable part of our overall customer offerings and create measurable loyalty. We typically see EKS customers spend one and half to two times more per animal on Elanco products than those who don't utilize these services.



# Future Outlook

In December 2020, Elanco hosted its first investor day, where the company unveiled its long-term growth algorithm. Elanco expects to deliver 3%-4% average annual revenue growth, complemented by increased profitability to unlock sustainable double-digit adjusted EPS and adjusted EBITDA growth.

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**Elanco enters 2021 with strong momentum and increased confidence in delivering its goals.**



## Revenue Growth

Elanco's expected portfolio growth will be led by focus brands, which are significant brands that are accretive to growth, often earlier in their lifecycle, and expected to contribute 2-3 percentage points to total company growth. The algorithm is balanced with the inclusion of core and defend brands, in which Elanco will focus on driving value and maximizing profitability. Additionally, Elanco expects innovation to contribute dependable future revenue, with 2-3 percentage points of growth annually, or an expected average of \$80 to \$150 million.



## Double-Digit Adjusted EBITDA Growth

Elanco will optimize its footprint and operations, transforming to a fit-for-purpose infrastructure for the two combined prior animal health divisions, now unbound from human pharma parents. **The aggressive company-wide productivity agenda will continue along with execution of synergy capture across the business.** Ultimately, the stronger combined entity holds a greater ability to reach adjusted EBITDA and gross margin goals, with expected 60% adjusted gross margin in the 2023-2024 timeframe, and 31% adjusted EBITDA margin by 2024.



## Returns

Elanco will generate significant operating cash flow and exercise strong cash management to pay down debt, reducing interest costs as quickly as possible, increasing optionality of the business and most importantly, delivering double-digit adjusted EPS growth to unlock value for our shareholders.

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**We believe Elanco's value proposition remains the most significant in the animal health industry. With the addition of Bayer, the company's value creation opportunity is more material and more durable than when the company became public in September 2018.**

# Elanco Leadership

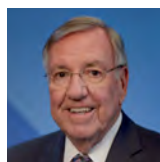
## EXPERIENCED BOARD DRIVES ENHANCED GOVERNANCE, ACCOUNTABILITY, AND OUTCOMES

During the company's 2020 Investor Day, Elanco outlined its commitment to deliver industry leading transparency, strong oversight, and enriched governance.

The Board brings a robust history of public company board experience and governance, with a unique combination of backgrounds: from finance, audit, and systems, to livestock production, veterinary medicine and innovation, to digital, food industry, and consumer insights.

In late 2020, Elanco added three new members to its Board of Directors: William F. Doyle, executive chairman of Novocure Ltd., distinguished healthcare executive, animal health director and investor; Scott Ferguson, founder and managing partner of Sachem Head Capital Management, a value-oriented investment management firm; and Paul Herendeen, executive vice president and CFO of Bausch Health and former CFO at Zoetis, Inc. The new members bring significant leadership and expertise across animal health and pharmaceutical innovation, financial discipline, operational excellence, capital allocation, along with an investor perspective.

The company expanded the Finance and Oversight Committee and created an Innovation, Science and Technology Committee to ensure delivery for our customers, employees and shareholders. The expanded Finance and Oversight Committee added routine reviews of the company-wide productivity agenda and comprehensive value creation plans. The Innovation, Science, and Technology committee oversees and advises on the company's R&D agenda and pipeline.



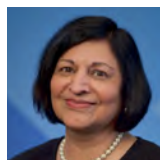
**R. David Hoover**

Chairman, Elanco  
Retired CEO, Ball Corp.  
Board Member  
Since Sept 2018



**Jeffrey N. Simmons**

President  
and CEO  
Elanco Animal Health



**Kapila Kapur Anand**

Retired Partner,  
KPMG  
Board Member  
Since Sept 2018



**Lawrence E. Kurzius**

Chairman,  
President and CEO,  
McCormick & Co.  
Board Member  
Since Sept 2018



**Michael J. Harrington**

Retired SVP and  
General Counsel,  
Eli Lilly and Company  
Board Member  
Since Sept 2018



**John P. (J.P.) Bilbrey**

Former CEO, President  
and Chairman,  
The Hershey Co.,  
Owner, Bilbrey Farms  
and Ranch  
Board Member  
Since Mar 2019



**Deborah T. Kochevar**

D.V.M., Ph.D., D.A.C.V.C.P.  
Senior Fellow, Fletcher  
School of Law and  
Diplomacy and Dean  
Emerita, Tufts University  
Board Member  
Since Mar 2019



**Kirk McDonald**

CEO, GroupM,  
North America  
Board Member  
Since Mar 2019



**Denise Scots-Knight**

CEO and Co-Founder,  
Mereo BioPharma  
Group plc  
Board Member  
Since Mar 2019



**Art A. Garcia**

Retired EVP  
and CFO, Ryder  
System, Inc.  
Board Member  
Since May 2019



**William F. Doyle**

Executive Chairman,  
Novocure Ltd.,  
Managing Director,  
WFD Ventures, LLC  
Board Member  
Since Dec 2020



**Scott Ferguson**

Founder and  
Managing Partner,  
Sachem Head Capital  
Management  
Board Member  
Since Dec 2020



**Paul S. Herendeen**

EVP and CFO, Bausch  
Health Companies, Inc.  
Board Member  
Since Dec 2020

**EXECUTIVE TEAM BRINGS CAPABILITIES AND EXPERTISE TO DELIVER SUSTAINED VALUE**

In April 2020, Elanco announced the expansion of its Elanco Executive Committee to lead the combined company. The selection process focused on identifying diverse, people-focused leaders with a proven ability to build, lead and grow integrated, global businesses. The company changed 80% of its commercial leadership to drive better execution of its portfolio strategy. New additions included Bayer Animal Health leadership in key roles, as well as a new Chief Marketing Officer to sophisticate the company’s global marketing capabilities with a goal to drive portfolio growth through a brand and omnichannel approach.

By the end of 2020, the company was already seeing early momentum from this change, evidenced by the fourth quarter results at the high end or above guidance ranges. Elanco’s management structure is designed to expedite quality decision making, draw senior leadership closer to the customer, and accelerate our shift toward more consumer and brand-centricity. The executive team brings an important blend of experience and capabilities critical to lead and grow the company. They are committed to propelling the combined company to new levels of industry leadership, and developing talent and capabilities for a sustainable organization over the long term.



**Jeffrey Simmons**  
President and CEO



**Ramiro Cabral**  
Executive Vice President, Elanco International



**Dirk Ehle**  
Executive Vice President and President, Elanco Europe



**David Kinard**  
Executive Vice President, Human Resources, Corporate Affairs and Administration



**Joyce Lee**  
Executive Vice President and President, U.S. Pet Health and Commercial Operations



**Racquel Harris Mason**  
Executive Vice President and CMO



**Aaron Schacht**  
Executive Vice President, Innovation, Regulatory, and Business Development



**Dr. José Manuel Correia de Simas**  
Executive Vice President, U.S. Farm Animal Business



**David Urbaneck**  
Executive Vice President, Manufacturing and Quality



**Todd Young**  
Executive Vice President, CFO, Corporate Governance and Strategy



**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**Form 10-K**

**ANNUAL REPORT UNDER SECTION 13 or 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended December 31, 2020**

**Commission file number 001-38661**



**Elanco Animal Health Incorporated**

(Exact name of Registrant as specified in its charter)

INDIANA  
(State or other jurisdiction of  
incorporation or organization)

82-5497352  
(I.R.S. Employer  
Identification No.)

2500 INNOVATION WAY, GREENFIELD, INDIANA 46140  
(Address of principal executive offices)

Registrant's telephone number, including area code (877) 352-6261

Securities registered pursuant to Section 12(b) of the Act:

<b>Title of each class</b>	<b>Trading Symbol(s)</b>	<b>Name of each exchange on which registered</b>
Common Stock, no par value	ELAN	New York Stock Exchange
5.00% Tangible Equity Units	ELAT	New York Stock Exchange

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 non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of a "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

Accelerated filer

Smaller reporting company

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 13(a) of the Exchange 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

Aggregate market value of the common equity held by non-affiliates computed by reference to the price at which the common equity was last sold as of June 30, 2020, the last business day of the Registrant's most recently completed second fiscal quarter, was approximately \$8.6 billion. The registrant has no non-voting common stock.

The number of shares of common stock outstanding as of February 24, 2021 was 472,169,683.

#### DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive proxy materials for its 2021 Annual Meeting of shareholders are incorporated by reference into Part III hereof.

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**ELANCO ANIMAL HEALTH INCORPORATED**  
**FORM 10-K**  
**FOR THE YEAR ENDED DECEMBER 31, 2020**  
**TABLE OF CONTENTS**

**PART 1**

Item 1.	BUSINESS	6
Item 1A.	RISK FACTORS	23
Item 1B.	UNRESOLVED STAFF COMMENTS	44
Item 2.	PROPERTIES	44
Item 3.	LEGAL PROCEEDINGS	44
Item 4.	MINE SAFETY DISCLOSURES	44

**PART II**

Item 5.	MARKET FOR THE REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS, AND ISSUER PURCHASES OF EQUITY SECURITIES	44
Item 6.	(REMOVED AND RESERVED)	44
Item 7.	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	45
Item 7A.	QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK	60
Item 8.	FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA	61
Item 9.	CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE	113
Item 9A.	CONTROLS AND PROCEDURES	113
Item 9B.	OTHER INFORMATION	114

**PART III**

Item 10.	DIRECTORS, EXECUTIVE OFFICERS, AND CORPORATE GOVERNANCE	115
Item 11.	EXECUTIVE COMPENSATION	115
Item 12.	SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS	115
Item 13.	CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE	116
Item 14.	PRINCIPAL ACCOUNTANT FEES AND SERVICES	116

**PART IV**

Item 15.	EXHIBITS AND FINANCIAL STATEMENT SCHEDULES	116
Item 16.	FORM 10-K SUMMARY	120

## FORWARD-LOOKING STATEMENTS AND RISK FACTOR SUMMARY

This Annual Report on Form 10-K includes forward-looking statements within the meaning of the federal securities laws. This annual report contains forward-looking statements, including, without limitation, statements concerning the impact on our business caused by the integration of the animal health business of Bayer Aktiengesellschaft (Bayer), expected synergies and our cost savings, product launches, independent company stand-up costs and timing, expectations relating to human capital resources, the coronavirus (COVID-19) global pandemic, reduction of debt, expectations relating to liquidity and sources of capital, our expected compliance with debt covenants, our estimated interest expense, our industry and our operations, performance and financial condition, and including in particular, statements relating to our business, growth strategies, distribution strategies, product development efforts and future expenses.

Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. Because forward-looking statements relate to the future, by their nature, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. As a result, our actual results may differ materially from those contemplated by the forward-looking statements. Important risk factors that could cause actual results to differ materially from those in the forward-looking statements include regional, national, or global political, economic, business, competitive, market, and regulatory conditions, including but not limited to the following:

- heightened competition, including from generics;
- the impact of disruptive innovations and advances in veterinary medical practices, animal health technologies and alternatives to animal-derived protein;
- changes in regulatory restrictions on the use of antibiotics in farm animals;
- our ability to implement our business strategies or achieve targeted cost efficiencies and gross margin improvements;
- consolidation of our customers and distributors;
- an outbreak of infectious disease carried by farm animals;
- the impact on our operations, the supply chain, customer demand, and our liquidity as a result of the COVID-19 global health pandemic;
- the success of our research and development (R&D) and licensing efforts;
- misuse, off-label or counterfeiting use of our products;
- unanticipated safety, quality or efficacy concerns associated with our products;
- the impact of weather conditions and the availability of natural resources;
- use of alternative distribution channels and the impact of increased or decreased sales to our channel distributors resulting in fluctuation in our revenues;
- manufacturing problems and capacity imbalances;
- challenges to our intellectual property rights or our alleged violation of rights of others;
- risks related to our presence in foreign markets;
- breaches of our information technology systems;
- our ability to successfully integrate the businesses we acquire, including the animal health business of Bayer (Bayer Animal Health);
- effect of our substantial indebtedness on our business; and
- the effect on our business resulting from our separation from Eli Lilly and Company (Lilly).

See "Risk Factors" in Part I, Item 1A of this Annual Report on Form 10-K for a further description of these and other factors. Although we have attempted to identify important risk factors, there may be other risk factors not presently known to us or that we presently believe are not material that could cause actual results and developments to differ materially from those made in or suggested by the forward-looking statements contained in this annual report. If any of these risks materialize, or if any of the above assumptions underlying forward-looking statements prove incorrect, actual results and developments may differ materially from those made in or suggested

by the forward-looking statements contained in this annual report. For the reasons described above, we caution you against relying on any forward-looking statements, which should also be read in conjunction with the other cautionary statements that are included elsewhere in this annual report. Any forward-looking statement made by us in this annual report speaks only as of the date hereof. Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We undertake no obligation to publicly update or to revise any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law. Comparisons of results for current and any prior periods are not intended to express any future trends or indications of future performance, unless specifically expressed as such, and should be viewed as historical data.

# PART I

## ITEM 1. BUSINESS

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### Overview

Founded in 1954 as part of Lilly, Elanco Animal Health Incorporated (Elanco Parent) and its subsidiaries (collectively, Elanco, the Company, we, us, or our) is a premier animal health company that innovates, develops, manufactures and markets products for pets and farm animals. Headquartered in Greenfield, Indiana, we are one of the largest animal health companies in the world, with pro forma combined revenue of Elanco and Bayer Animal Health of approximately \$4.4 billion for the year ended December 31, 2020. Excluding Bayer Animal Health, globally, we are #1 in medicinal feed additives, #2 in poultry, and #3 in other pharmaceuticals, which are mainly pet health therapeutics, measured by 2019 revenue, according to Vetnosis. We have one of the broadest portfolios of pet parasiticides in the pet health sector. We offer a diverse portfolio of approximately 190 brands that make us a trusted partner to veterinarians and farm animal producers in more than 90 countries.

Elanco Parent was formed in 2018, as a wholly-owned subsidiary of Lilly, to serve as the ultimate parent company of substantially all of the animal health businesses of Lilly.

On September 24, 2018, we completed our initial public offering (IPO), pursuant to which we issued and sold 19.8% of our total outstanding shares. On September 20, 2018, our common stock began trading on the New York Stock Exchange (NYSE) under the symbol "ELAN." On September 24, 2018, immediately preceding the completion of the IPO, Lilly transferred to us substantially all of its animal health businesses in exchange for (i) all of the net proceeds (approximately \$1,659.7 million) we received from the sale of our common stock in the IPO, including the net proceeds we received as a result of the exercise in full of the underwriters' option to purchase additional shares, (ii) all of the net proceeds (approximately \$2,000 million) we received from the issuance of our senior notes; and (iii) all of the net proceeds (\$498.6 million) we received from the entry into our term loan facility. In addition, immediately prior to the completion of the IPO, we entered into certain agreements with Lilly that provide a framework for our ongoing relationship with them. These transactions are collectively referred to herein as the Separation.

On February 8, 2019, Lilly announced an exchange offer whereby Lilly shareholders could exchange all or a portion of Lilly common stock for shares of Elanco common stock owned by Lilly. On that date, we filed a Registration Statement on Form S-4 with the SEC in connection with that exchange offer. The disposition of Elanco shares was completed on March 11, 2019, and resulted in the full separation of Elanco along with the disposal of Lilly's entire ownership and voting interest in Elanco.

On August 1, 2020, we completed the previously announced acquisition of Bayer Animal Health in a cash and stock transaction. The initial purchase price of \$6.9 billion, subject to working capital and customary purchase price adjustments, was funded by \$5.2 billion in cash and 72.9 million in shares of Elanco common stock at a fair value of \$1.7 billion. We funded the cash portion of the acquisition consideration with available cash, which included \$4.3 billion of net proceeds raised in the borrowings under a term loan B facility established in connection with the acquisition. The discussion throughout this Annual Report on Form 10-K incorporates the acquired Bayer Animal Health business unless otherwise noted.

In connection with the acquisition we divested *Osurnia*<sup>™</sup>, *Vecoxan*<sup>™</sup>, and the U.S. rights to *Capstar*<sup>™</sup>, along with certain other immaterial assets. Additionally, we divested the European Economic Area and United Kingdom rights to the *Drontal*<sup>™</sup> and *Profender*<sup>™</sup> product families from Bayer Animal Health. The divestitures were completed during the third quarter of 2020 with gross cash proceeds from the sales of \$434.7 million. Other immaterial Bayer Animal Health assets were divested during the first quarter of 2021.

We believe the acquisition expands our portfolio to provide farmers, pet owners, and veterinarians more comprehensive animal health solutions. By combining Elanco's longstanding focus on the veterinarian with Bayer Animal Health's direct-to-consumer experience, the transaction creates new opportunities for growth and expands our omni-channel presence, enabling us to meet customers where and how they want to shop. Our existing product portfolio is enhanced by the addition of Bayer Animal Health, which complements our commercial operations and international infrastructure, and our robust R&D pipeline is now strengthened with expected launch equivalents from Bayer Animal Health. Subsequent to the acquisition date, our consolidated and combined financial statements

include the assets, liabilities, operating results and cash flows of Bayer Animal Health. Refer to "Item 8. Financial Statements and Supplementary Data — Note 6. Acquisitions and Divestitures" for additional information.

We continue to operate our business in a single segment directed at fulfilling our vision of enriching the lives of people through food, making protein more accessible and affordable, and through pet companionship, helping pets live longer, healthier lives. For additional information about our business segment, refer to "Item 8. Financial Statements and Supplementary Data — Note 18. Geographic Information." During the third quarter of 2020, we renamed our four primary product categories by replacing "food animal" and "companion animal" with "farm animal" and "pet health," respectively, to better reflect the terminology used by our customers. We advance our vision by offering products in these four primary categories:



**Pet Health Disease Prevention (PH Disease Prevention):** We have one of the broadest parasiticide portfolios in the pet health sector based on indications, species and formulations, with products that protect pets from worms, fleas and ticks. Our *Seresto*<sup>™</sup> and *Advantage*<sup>™</sup>, *Advantix*<sup>™</sup>, *Advocate*<sup>™</sup> (collectively referred to as the *Advantage Family*) products represent treatments for the elimination and prevention, respectively, of fleas and ticks. Combining our parasiticide portfolio with our vaccines presence, we are a leader in the U.S. in the disease prevention category based on share of revenue.

**Pet Health Therapeutics (PH Therapeutics):** We have a broad pain and osteoarthritis portfolio across species, modes of action, indications and disease stages. Pet owners are increasingly treating osteoarthritis in their pets, and our *Galliprant*<sup>™</sup> product is one of the fastest growing osteoarthritis treatments in the U.S. We also have treatments for otitis (ear infections) with *Claro*<sup>™</sup>, as well as treatments for certain cardiovascular and dermatology indications.

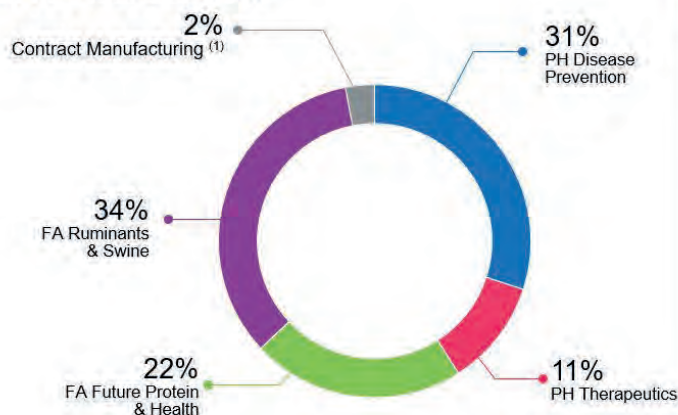


**Farm Animal Future Protein & Health (FA Future Protein & Health):** Our portfolio in this category, which includes vaccines, nutritional enzymes and animal-only antibiotics, serves the growing demand for protein and includes innovative products in poultry and aquaculture production, where demand for animal health products is outpacing overall industry growth. With our *Maxiban*<sup>™</sup> product, we are a leader in the control and prevention of intestinal disease in poultry. We are focused on developing functional nutritional health products that promote farm animal health, including enzymes, probiotics and prebiotics. We are also a global leader in providing vaccines as alternatives to antibiotics to promote animal health based on share of revenue.

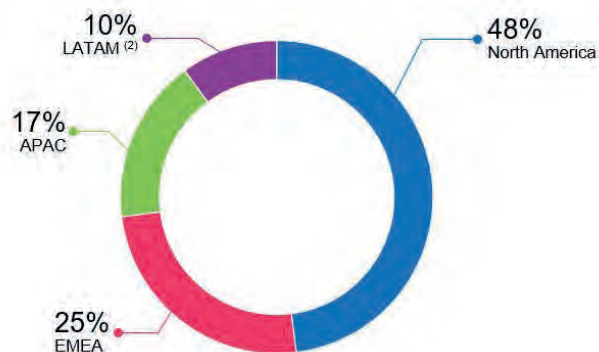
**Farm Animal Ruminants & Swine (FA Ruminants & Swine):** We have a range of farm animal products, including *Rumensin*<sup>™</sup> and *Baytril*<sup>™</sup>, used extensively in ruminant (e.g., cattle, sheep and goats) and swine production.

Excluding Bayer Animal Health, we have a top four presence in all four key industry geographic regions: North America; Europe, the Middle East and Africa (EMEA); Latin America (LATAM); and Asia-Pacific (APAC), as measured by 2019 revenue, according to Vetnosis. The following graphs illustrate our revenue for the year ended December 31, 2020 by product category and geography:

**By Product Category**



**By Geography**



(1) Represents revenue from arrangements in which we act as a contract manufacturer, including supply agreements associated with divestitures of products related to the acquisition of Bayer Animal Health. This category was previously called Strategic Exits.

(2) LATAM includes aquaculture in all regions.

Through our global sales force comprised of approximately 2,210 sales representatives, our veterinary consultants and our key distributors, we seek to build strong customer relationships and fulfill demand for our farm animal products primarily with farm animal producers, veterinarians and nutritionists, and for our pet health products primarily with veterinarians and, in some markets, pet owners. We are also expanding into retail channels in order to meet pet owners where they want to purchase.

Our inclusive approach to sourcing innovation helps us identify, attract, fund and develop new ideas that enhance our pipeline and reduce risk as compared to an in-house only approach. Through this process we have launched or acquired 14 new products since 2015, including the additions of *Entyce*<sup>™</sup>, *Nocita*<sup>™</sup> and *Tanovea*<sup>™</sup> in 2019, that delivered \$440.8 million of revenue in 2020. This excludes our most recent acquisition of Bayer Animal Health, which added approximately 65 products to the Elanco portfolio that contributed post-acquisition revenues of \$591.9 million in 2020.

We believe we have an experienced leadership team that fosters an adaptive, purpose-driven culture among approximately 10,200 employees worldwide as of December 31, 2020 and that our employees share a deep conviction for achieving our vision of food and companionship enriching life.

A summary of our 2020, 2019, and 2018 revenue and net income is as follows:

(Millions of Dollars)	Year Ended December 31,		
	2020	2019	2018
Revenue	\$ 3,273.3	\$ 3,071.0	\$ 3,066.8
Net income (loss)	(560.1)	67.9	86.5

## Products

We have a diverse portfolio of products marketed under approximately 190 brands, including products for both farm animals and pets.

Our farm animal products are designed to enable producers to keep animals healthy and deliver more food while using fewer resources. Our antibacterials, anticoccidials, vaccines and parasiticides aim to make food safer by preventing and controlling disease. We offer products and support to enhance the integrity of the food supply, while our productivity enhancers help make food more affordable and abundant by increasing the amount of meat or milk an animal can supply. Furthermore, our expertise and data analytics help our customers improve production efficiency and business performance. Farm animal products represented approximately 56% of our revenue for the year ended December 31, 2020.

Our pet health products help veterinarians better care for pets. We partner with pet owners and veterinarians for the purpose of providing a consistent flow of innovative and effective products and support. Our R&D focuses on products that prevent and treat disease, improve and extend quality of life and improve the type of care received by pets. We also partner closely with veterinarians to provide technical support and case management for our products. Pet health products represented approximately 42% of our revenue for the year ended December 31, 2020.

We group our products into four principal categories:

*PH Disease Prevention*: includes parasiticides and vaccine products for canines and felines.

*PH Therapeutics*: includes products for the treatment of pain, osteoarthritis, otitis, cardiovascular and dermatology indications in canines and felines.

*FA Future Protein & Health*: includes vaccines, antibiotics, parasiticides and other products used in poultry and aquaculture production, as well as functional nutritional health products, including enzymes, probiotics and prebiotics.

*FA Ruminants & Swine*: includes vaccines, antibiotics, implants, parasiticides and other products used in ruminants and swine production, as well as certain other farm animal products.

A significantly smaller portion of our revenue but a fast growing area within our business is derived from other non-pharmaceutical products, such as nutritionals. These products are categorized within FA Future Protein & Health and include enzymes, probiotics, and prebiotics, which impact animal microbiomes and other dietary factors to reduce disease incidence, improve gut health and enhance feed digestibility.

*Rumensin*, our top selling product, contributed approximately 7%, 10%, and 11% of our revenue in 2020, 2019, and 2018, respectively. No other product contributed 10% or more of our revenue. Our top five selling products, *Rumensin*, *Trifexis*<sup>™</sup>, *Maxiban*, *Interceptor Plus* and the aggregate *Advantage Family*, collectively contributed approximately 23% of our 2020 revenue. Our top 10 products, including *Seresto*, collectively contributed 37% of our 2020 revenue.

Set forth below is information regarding our principal products, which are defined as product lines and products that represented approximately 1% or more of our revenue in 2020. We used estimated pro forma 2020 revenues as the basis for acquired Bayer Animal Health products included below:

### PH Disease Prevention Products

Product	Description	Primary Species
<i>Advantix</i> <sup>(1)</sup> (imidacloprid + permethrin + pyriproxyfen)	Monthly topical application that kills and repels fleas, ticks and mosquitoes, kills lice and repels biting flies. Provides broad-spectrum protection against these ectoparasites that can transmit diseases.	Dogs
<i>Advantage</i> <sup>(1)</sup> (imidacloprid + pyriproxyfen)	Monthly topical flea control that kills fleas, flea eggs and larvae on contact while also treating, preventing and controlling lice infestations.	Cats, Dogs
<i>Advocate</i> <sup>(1)</sup> (imidacloprid + moxidectin)	Monthly topical treatment to prevent flea infestations as well as heartworm ( <i>Dirofilaria immitis</i> ), lungworm ( <i>Angiostrongylus</i> ) and other gastrointestinal worm infections, including roundworms ( <i>Toxocara canis</i> and <i>Toxascaris leonina</i> ), whipworms ( <i>Trichuris vulpis</i> ), hookworms ( <i>Ancylostoma caninum</i> , <i>Ancylostoma braziliense</i> , and <i>Unicinaria stenocephala</i> ).	Cats, Dogs
<i>Credelio</i> (lotilaner)	Kills adult fleas and treats flea infestations ( <i>Ctenocephalides felis</i> ) and treats and controls tick infestations ( <i>Amblyomma americanum</i> (lone star tick), <i>Dermacentor variabilis</i> (American dog tick), <i>Ixodes scapularis</i> (black-legged tick) and <i>Rhipicephalus sanguineus</i> (brown dog tick)) for one month in dogs and puppies 8 weeks of age or older and weighing at least 4.4 lbs.	Dogs
<i>Duramune</i> <sup>™</sup> (vaccines)	Includes multiple products that collectively protect against distemper, adenovirus, parvovirus, corona, parainfluenza, leptospira canicola, and other diseases.	Dogs
<i>Interceptor Plus</i> (milbemycin oxime/ praziquantel)	Prevents heartworm disease caused by <i>Dirofilaria immitis</i> and treats and controls adult roundworm ( <i>Toxocara canis</i> and <i>Toxascaris leonina</i> ), adult hookworm ( <i>Ancylostoma caninum</i> ), adult whipworm ( <i>Trichuris vulpis</i> ), and adult tapeworm ( <i>Taenia pisiformis</i> , <i>Echinococcus multilocularis</i> , and <i>Echinococcus granulosus</i> ) infections in dogs and puppies weighing at least 2 lbs. and 6 weeks of age or older. <i>Interceptor Plus</i> is a relaunch of a previously approved formula.	Dogs
<i>Milbemax</i> <sup>™</sup> (milbemycin oxime + praziquantel)	Treats and controls parasitic infections due to adult hookworm, adult roundworm and adult tapeworm and prevents heartworm disease caused by <i>Dirofilaria immitis</i> .	Cats, Dogs

<i>Seresto</i> <sup>(1)</sup> (imidacloprid + flumethrin)	Flea and tick collar based on a patented low dose, slow release technology that kills and repels fleas and ticks, and kills lice for up to eight months with one single application, and reduces vector-borne disease transmission risk (e.g. leishmaniosis).	Cats, Dogs
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<i>Trifexis</i> (spinosad + milbemycin oxime)	Prevents heartworm disease ( <i>Dirofilaria immitis</i> ) and kills fleas. <i>Trifexis</i> is indicated for the prevention and treatment of flea infestations ( <i>Ctenocephalides felis</i> ), and the treatment and control of adult hookworm ( <i>Ancylostoma caninum</i> ), adult roundworm ( <i>Toxocara canis</i> and <i>Toxascaris leonina</i> ) and adult whipworm ( <i>Trichuris vulpis</i> ) infections in dogs and puppies 8 weeks of age or older and weighing at least 5 lbs.	Dogs
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(1) Product was acquired from Bayer Animal Health on August 1, 2020.

## PH Therapeutics Products

Product	Description	Primary Species
<i>Atopica</i> <sup>TM</sup> (cyclosporine A)	Controls atopic dermatitis in dogs weighing at least 4 lbs.	Dogs
<i>Fortekor Plus</i> <sup>TM</sup> (benazepril + pimobendan)	Treats congestive heart failure due to atrioventricular valve insufficiency or dilated cardiomyopathy.	Dogs
<i>Claro / Neptra</i> <sup>(1)</sup> (florfenicol + terbinafine + mometasone furoate)	One-dose treatment for otitis externa associated with susceptible strains of bacteria ( <i>Staphylococcus pseudintermedius</i> ) and yeast ( <i>Malassezia pachydermatis</i> ).	Dogs
<i>Galliprant</i> (grapiprant)	Controls pain and inflammation associated with osteoarthritis.	Dogs
<i>Onsior</i> <sup>TM</sup> (robenacoxib)	Controls postoperative pain and inflammation associated with soft tissue surgery in dogs weighing at least 5.5 lbs. and 4 months of age or older and control postoperative pain and inflammation associated with orthopedic surgery, ovariohysterectomy and castration in cats weighing at least 5.5 lbs. and 6 months of age or older; for up to a maximum of 3 days.	Cats, Dogs

(1) Product was acquired from Bayer Animal Health on August 1, 2020.



## FA Future Protein & Health

Product	Description	Primary Species
<i>AviPro</i> <sup>™</sup> (vaccines)	Includes multiple products that collectively protect against Newcastle disease, infectious bronchitis, fowl cholera, paramyxovirus Type 3, Bursal Disease, other diseases and foodborne pathogens like Salmonella.	Poultry
<i>Clynav</i> <sup>™</sup> (plasmid deoxyribonucleic acid vaccine)	Immunizes Atlantic salmon to reduce impaired daily weight gain, and reduce mortality, and cardiac, pancreatic and skeletal muscle lesions caused by pancreas disease following infection with salmonid alphavirus subtype 3 (SAV3).	Fish (Salmon)
<i>Coban</i> <sup>™</sup> / <i>Elancoban</i> <sup>™</sup> (monensin)	Aids in the prevention of coccidiosis in broiler and replacement chickens (caused by <i>Eimeria necatrix</i> , <i>E. tenella</i> , <i>E. acervulina</i> , <i>E. brunetti</i> , <i>E. mivati</i> , and <i>E. maxima</i> ), in turkeys (caused by <i>Eimeria adenoeides</i> , <i>E. meleagrimitis</i> and <i>E. gallopavonis</i> ) and in growing Bobwhite quail (caused by <i>Eimeria dispersa</i> and <i>E. lettyae</i> ). Coban/Elancoban is an animal-only antibiotic and an ionophore.	Poultry
<i>Imvixa</i> <sup>™</sup> (lufenuron)	Prevents and controls infestation caused by sea lice, <i>Caligus rogercresseyi</i> , in farmed salmon.	Fish (Salmon)
<i>Maxiban</i> (narasin + nicarbazin)	Prevents coccidiosis in broiler chickens caused by <i>Eimeria necatrix</i> , <i>E. tenella</i> , <i>E. acervulina</i> , <i>E. brunetti</i> , <i>E. mivati</i> and <i>E. maxima</i> . <i>Maxiban</i> is an animal-only antibiotic and an ionophore.	Poultry
<i>Monteban</i> <sup>™</sup> (narasin)	Prevents coccidiosis in broiler chickens caused by <i>Eimeria necatrix</i> , <i>E. tenella</i> , <i>E. acervulina</i> , <i>E. brunetti</i> , <i>E. mivati</i> and <i>E. maxima</i> . <i>Monteban</i> is an animal-only antibiotic and an ionophore.	Poultry
<i>Surmax</i> <sup>™</sup> / <i>Maxus</i> <sup>™</sup> / <i>Inteprity</i> (avilamycin)	Prevents mortality caused by necrotic enteritis associated with <i>Clostridium perfringens</i> in broiler chickens. <i>Surmax</i> , <i>Maxis</i> and <i>Inteprity</i> are animal-only antibiotics.	Poultry

## FA Ruminants & Swine

Product	Description	Primary Species
<i>Baycox</i> <sup>™</sup> <sup>(1)</sup> (tortazuril)	Oral treatment for control of coccidiosis caused by <i>Isopora suis</i> infection in swine and clinical coccidiosis caused by <i>Eimeria bovis</i> or <i>Eimeria zuernii</i> in young cattle. Attacks all stages of the parasite.	Cattle, Swine
<i>Baytril</i> <sup>(1)</sup> (enrofloxacin)	Injectable antibiotic active against various bacterial diseases in cattle (major bovine pathogens) and swine (respiratory disease pathogens).	Cattle, Swine
<i>Catosal</i> <sup>™</sup> / <i>Comforta</i> <sup>™</sup> <sup>(1)</sup> (butaphosphan + cyanocobalamin)	Injectable for prevention or treatment of deficiencies of vitamin B12, Cyanocobalamin, and phosphorous.	Cattle, Horses
<i>Cydectin</i> <sup>™</sup> <sup>(1)</sup> (moxidectin)	Injectable or pour-on for the treatment of infections and infestations due to internal and external parasites.	Cattle

<i>Denagard</i> (tiamulin)	Treats Swine Dysentery associated with <i>Serpulina hyodysenteriae</i> susceptible to tiamulin and swine bacterial enteritis caused by <i>Escherichia coli</i> and <i>Salmonella choleraesuis</i> sensitive to chlortetracycline and treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> sensitive to chlortetracycline. <i>Denagard</i> is a shared-class antibiotic.	Swine
<i>Pulmotil</i> <sup>TM</sup> (tilmicosin)	Controls swine respiratory disease associated with <i>Actinobacillus pleuropneumoniae</i> and <i>Pasteurella multocida</i> . Controls bovine respiratory disease (BRD) associated with <i>Mannheimia haemolytica</i> , <i>Pasteurella multocida</i> and <i>Histophilus somni</i> in groups of beef and non-lactating dairy cattle, where active BRD has been diagnosed in at least 10% of the animals in the group. <i>Pulmotil</i> is a shared-class antibiotic.	Cattle, Swine
<i>Rumensin</i> (monensin)	For cattle fed in confinement for slaughter, improves feed efficiency and prevents and controls coccidiosis due to <i>Eimeria bovis</i> and <i>Eimeria zuernii</i> . For dairy cows, increases milk production efficiency (production of marketable solids-corrected milk per unit of feed intake). For growing cattle on pasture or in dry lot (stocker and feeder and dairy and beef replacement heifers), increases rate of weight gain and prevents and controls coccidiosis due to <i>Eimeria bovis</i> and <i>Eimeria zuernii</i> . For mature reproducing beef cows, improves feed efficiency when receiving supplemental feed and prevents and controls coccidiosis due to <i>Eimeria bovis</i> and <i>Eimeria zuernii</i> . For goats, prevents coccidiosis due to <i>Eimeria crandallis</i> , <i>Eimeria christenseni</i> and <i>Eimeria ninakohlyakimovae</i> in goats maintained in confinement. For calves (excluding veal calves), prevents and controls coccidiosis due to <i>Eimeria bovis</i> and <i>Eimeria zuernii</i> . <i>Rumensin</i> is an animal-only antibiotic and an ionophore.	Cattle
<i>Tylan</i> <sup>TM</sup> Premix (tylosin phosphate)	Controls porcine proliferative enteropathies associated with <i>Lawsonia intracellularis</i> and controls porcine proliferative enteropathies associated with <i>Lawsonia intracellularis</i> immediately after medicating with <i>Tylan Soluble</i> (tylosin tartrate) in drinking water. <i>Tylan Premix</i> is a shared-class antibiotic.	Swine, Cattle, Poultry
<i>Vira Shield</i> <sup>TM</sup> (vaccines)	Includes multiple products that protect against infection, bovine rhinotracheitis, bovine viral diarrhea, bovine respiratory syncytial virus, bovine respiratory disease, leptospira canicola and other diseases.	Cattle

(1) Product was acquired from Bayer Animal Health on August 1, 2020.

## Antibiotics

Antimicrobial resistance in humans, or the risk that bacterial pathogens that cause infectious disease in humans evolve or otherwise emerge that are resistant to antibiotics or other antimicrobials, is a significant health concern, and animal agriculture can play a role in mitigating this risk. As a company dedicated to the health and well-being of animals, we seek to help veterinarians and farmers responsibly use antibiotics when treating animals. In our efforts to address antibiotic resistance while protecting animal health, we introduced a global antibiotic stewardship plan focused on increasing responsible antibiotic use; reducing the need for shared-class antibiotics; and replacing antibiotics with alternatives to help livestock producers treat and prevent animal disease. Antibiotics, used responsibly, along with good animal care practices, help enhance food safety and animal well-being.

There are two classes of antibiotics used in animal health:

*Animal-only antibiotics and ionophores:* Not all pathogens that cause disease in animals are infectious in humans, and accordingly animal-only antibiotics are not used in human medicine. Ionophores are a special class of animal-only antimicrobials uniquely developed only for use in animals. In Europe and certain other jurisdictions, ionophores are not currently classified as antibiotics. Because of their animal-only designation, mode of action, and spectrum of activity, their use is not considered to create the same risk of resistance in human pathogens.

*Shared-class antibiotics:* These are used in both humans and animals. Some antibiotics are used to treat infectious disease caused by pathogens that occur in both humans and animals. Of the 18 major antibiotic resistance threats that the Centers for Disease Control and Prevention tracks, two are associated with infectious disease in animals. As part of our global antibiotic stewardship plan and in compliance with the U.S. Food & Drug Administration (FDA) guidance, shared-class antibiotics are labeled only for the treatment of an established need in animals and only with veterinarian oversight.

We have intentionally shifted away from shared-class antibiotics, and are focusing on animal-only antibiotics, as well as antibiotic-free solutions. In 2020, 12% of our revenue was from products classified as shared-class antibiotics (4% from sales in the U.S. and 8% from international sales), which is down from 16% in 2015. Revenue from animal-only antibiotics and ionophores represented 17% of our total revenue in 2020 (14% from ionophores), which is down from 23% in 2015. The decline in animal-only antibiotics is primarily a result of the inclusion of revenues from Bayer Animal Health products, which are disproportionately more pet health-focused than the existing legacy Elanco portfolio. Through our policies and efforts in this area, we seek to protect the benefits of antibiotics in human medicine, while responsibly protecting the health of farm animals and the safety of our food supply.

## Sales and Marketing

Our sales organization includes sales representatives, veterinary consultants and other value added specialists. In markets where we do not have a direct commercial presence, we generally contract with distributors that provide logistics and sales and marketing support for our products. On a more limited basis, in certain markets, we sell certain products through retail and e-commerce channels. Our presence in these channels has been expanded by our acquisition of Bayer Animal Health.

Our sales representatives visit our customers, including consultants, veterinarians, farm animal producers, and resellers, to inform, promote and sell our products and to support customers. Our veterinary consultants are available to provide scientific consulting focused on disease management and herd management, training and education on diverse topics, including responsible product use, and generally have advanced degrees in veterinary medicine, veterinary nutrition or other agriculture-related fields. These direct relationships with customers allow us to better understand their needs. Additionally, our sales representatives and veterinary consultants focus on collaborating with our customers to educate and support them on topics such as local disease awareness and to help them adopt new and more sophisticated animal health solutions, including through the use of our products. As a result of these relationships, our sales and consulting visits provide us with access to customer decision makers. In addition, our sales and marketing organization provides enhanced value by providing support to farm animal producers to help maximize their yields and reduce costs. Our analytics help customers analyze large amounts of health and production data. As of December 31, 2020, we had approximately 2,210 sales representatives.

## Customers

We primarily sell our farm animal products to third-party distributors and directly to a diverse set of farm animal producers, including beef and dairy farmers as well as pork, poultry and aquaculture operations. We primarily sell our pet health products to third-party distributors, as well as directly to veterinarians who typically then sell our products to pet owners. With the acquisition of Bayer Animal Health, we have expanded our presence in retail and e-commerce channels in order to meet pet owners where they want to purchase. Certain principal pet health products acquired from Bayer Animal Health, including *Seresto* and the *Advantage Family*, are offered through these channels. Our largest customer, an affiliate of AmerisourceBergen Corp., is a third-party veterinary distributor and represented approximately 11% of our revenue for the year ended December 31, 2020. Our next two largest customers represented approximately 6% and 5% of our revenue for the year ended December 31, 2020. No other customer represented more than 5% of our revenue for the same period.

## Research and Development

Our R&D organization is comprised of internal research, global development, global regulatory and external innovation collaborations and venture investing. As of December 31, 2020, we employed approximately 1,200 employees in our global R&D and Regulatory Affairs organizations. Our global R&D sites are comprised of the following:

Facilities	Co-located with Manufacturing Sites	Other R&D Operations
Greenfield, Indiana (R&D headquarters)	Fort Dodge, Iowa	Basel, Switzerland
Kemps Creek, Australia	Shawnee, Kansas	Sao Paulo, Brazil
Monheim, Germany	Cuxhaven, Germany	Shanghai, China
	Manukau, New Zealand	Bangalore, India

Certain R&D sites will be impacted by restructuring and integration activities expected to occur over the next year as we implement initiatives to realize cost efficiencies from the Bayer Animal Health acquisition.

We incurred R&D expenses of \$327.0 million in 2020, \$270.1 million in 2019 and \$246.6 million in 2018.

New product innovation is a core part of our business strategy. Our R&D investment is focused on projects that target novel product introductions, as well as new indications, presentations, combinations and species expansion. Our approach is a build, buy, or ally strategy to develop compelling targets and concepts that originate from our scientists and innovators, academia, agribusiness, or human pharmaceutical and biotechnology at all stages of R&D. The ability to source our concepts from different areas allows us to create a pipeline that can be competitive in the categories in which we have chosen to compete, while reducing our risk by not owning and funding all aspects of our R&D projects.

We seek to concentrate our resources in areas where we believe the science and our capabilities best match the opportunities in the animal health market. Specifically, our R&D focuses on six areas across pets and farm animals. For pets, we have R&D activities in therapeutics, vaccines and parasiticides, while in farm animals we are pursuing pharmaceuticals, vaccines and nutritional health.

Our R&D efforts consist of more than 150 active programs balanced across species and technology platforms. For both farm animals and pets, we apply both large and small molecule approaches. In vaccines, our efforts encompass a full range of modified live, inactivated and nucleic acid strategies. In nutritional health, we focus on products based on enzymes, probiotics, prebiotics and other approaches that modulate biological activity in the animal digestive tract. Additionally, we employ various delivery strategies for products including in-feed, injectable, oral and topical formulations developed in conjunction with our manufacturing team to assure production that maximizes the capabilities within our internal and external manufacturing network.

We engage in licensing and business development to acquire assets for our pipeline and new R&D platforms and to establish strategic R&D collaborations. We make and maintain capital investments in venture capital vehicles that focus on agribusiness and animal health, and we engage in risk sharing collaborations to expand our external capital sources to augment internal investments. To support collaborations with innovation sources focused on human health we have developed capabilities to conduct translational comparative medical research trials in animals with naturally occurring conditions in animals that mimic a human disease or disorder. This type of collaboration de-risks unproven or less well-validated human hypotheses while potentially defining a clinically validated new approach in veterinary medicine.

Our R&D and commercial leadership allocate R&D investment annually with the goal of aligning near and long-term strategic opportunities and objectives. Portfolio investment decisions are made based on the probability of technical success and regulatory approval, timing of approval/launch and earlier milestones, feasibility and cost of development and manufacturing, intellectual property protection and market attractiveness/commercial forecast. R&D projects are supported by pharmaceutical project management approaches and we aim for all of our supporting R&D functional capabilities and capacities to be managed and matched to the evolving demands of the pipeline. We believe this overall R&D management system has enabled us to consistently gain product approvals while maintaining clear visibility to pipeline breadth and depth to support sustained launches into the future.

## Manufacturing and Supply Chain

Our products are manufactured both at sites operated by us and sites operated by third-party contract manufacturing organizations (CMOs). We have a global manufacturing network of 20 sites comprised of the following:

International		U.S.
Barueri, Brazil	Kiel, Germany	Clinton, Indiana
Belford Roxo, Brazil	Santa Clara, Mexico	Terre Haute, Indiana
Prince Edward Island, Canada	Manukau, New Zealand	Fort Dodge, Iowa
Chengdu, China	Banwol, South Korea	Kansas City, Kansas
Wusi, China	Chungli, Taiwan	Shawnee, Kansas
Huningue, France	Speke, Liverpool, U.K.	Winslow, Maine
Cuxhaven, Germany	Binh Duong, Vietnam	

Manufacturing sites may be impacted by restructuring and integration activities expected to occur over the next year as we implement initiatives to realize cost efficiencies from the Bayer Animal Health acquisition.

Our global manufacturing and supply chain is also supported by a network of CMOs. As of December 31, 2020, this network was comprised of approximately 130 CMOs, including 50 relationships acquired from Bayer Animal Health. Our external manufacturing network centrally governs our global CMO relationships and provides oversight to these CMOs.

We select CMOs based on several factors: (i) their ability to reliably supply products or materials that meet our quality standards at an optimized cost; (ii) their access to specialty products and technologies; (iii) capacity; (iv) financial analyses; and (v) local presence. Our External Manufacturing Network seeks to ensure that all the CMOs we use adhere to our standards of manufacturing quality.

We purchase certain raw materials necessary for the commercial production of our products from a variety of third-party suppliers. We utilize logistics service providers as a part of our global supply chain, primarily for shipping and logistics support.

We intend to continue our efficiency improvement programs in our manufacturing and supply chain organization. We have strong globally managed and coordinated quality control and quality assurance programs in place at all internal manufacturing sites and external manufacturing hubs, and we regularly inspect and audit our internal sites and CMO locations.

## Competition

We face intense competition. Principal methods of competition vary depending on the particular region, species, product category, or individual product. Some of these methods include new product development, quality, price, service and promotion.

Our primary competitors include animal health medicines and vaccines companies such as Zoetis Inc.; Boehringer Ingelheim Vetmedica, Inc., the animal health division of Boehringer Ingelheim GmbH; and Merck Animal Health, the animal health division of Merck & Co., Inc. We also face competition globally from manufacturers of generic drugs, as well as from producers of nutritional health products, such as DSM Nutritional Products AG and Danisco Animal Nutrition, the animal health division of E.I. du Pont de Nemours and Company, a subsidiary of DowDuPont, Inc. There are also several new start-up companies working in the animal health area. In addition, we compete with numerous other producers of animal health products throughout the world.

## Intellectual Property

Our technology, brands and other intellectual property are important elements of our business. We rely on patent, trademark, copyright and trade secret laws, as well as regulatory exclusivity periods and non-disclosure agreements to protect our intellectual property rights. Our policy is to vigorously protect, enforce and defend our rights to our intellectual property, as appropriate.

Our product portfolio and certain product candidates enjoy the protection of approximately 6,500 patents and applications, filed in over 90 countries, with concentration in our major markets as well as other markets with strong patent systems, such as Australia, Brazil, Canada, Europe, Japan and the U.S. Many of the patents and patent applications in our portfolio are the result of our own work, while other patents and patent applications in our portfolio were at least partially developed, and licensed to us, by third parties. A subset of our current products or product candidates are covered by patents and patent applications in our portfolio.

Patents for individual products expire at different times based on the date of the patent filing (or sometimes the date of patent grant) and the legal term of patents in the countries where such patents are obtained. Below is a summary of our recent and upcoming key patent expirations:

- *Galliprant's* active ingredient, grapiprant, is encompassed by both compound and physical form patents in the U.S., Europe, Canada and other key markets, with terms that expire between October 2021 and March 2026.
- Various formulation and method of use patents encompass the spinosad pesticide products, *Comfortis* and *Trifexis*. The *Comfortis* formulation patent extended through August 2020 in the U.S., Canada and Australia, and, upon grant of applicable supplementing protection certificate (SPC), through August 2025 in Europe. At this time, there is no indication of market entry of a generic version of *Comfortis* in the U.S., Canada or Australia. The *Trifexis* formulation and method of use patents extend through September 2021 in the U.S., Canada and Australia, and, upon grant of applicable SPC, through September 2026 in Europe.
- The *Seresto* formulation patent will expire in the U.S. in September 2027. In Europe, the formulation patents will expire in June 2025, but in some countries, including Spain and the U.K., SPCs have been granted which expire in September 2026.
- *Advantage Family* products, acquired from Bayer Animal Health, are off-patent in most countries. If our customers increase their use of new or existing generic product alternatives, *Advantage Family* revenues could be adversely affected.

We typically maintain all of our patents and assert our patent rights against third parties as appropriate.

Additionally, many of our vaccine products, including the *Duramune* family of vaccines, are based on proprietary or patented master seeds and formulations. We actively seek to protect our proprietary information, including our trade secrets and proprietary know-how, through a variety of means including by seeking to require our employees, consultants, advisors and partners to enter into confidentiality agreements and other arrangements upon the commencement of their employment or engagement.

In order to facilitate the Separation and allow Lilly's and our operations to continue with minimal interruption, Lilly licensed to us the right to use certain intellectual property rights in the animal health field. In addition, Lilly granted us a transitional license to use certain of Lilly's trademarks for a period of time following the IPO.

We seek to file and maintain trademarks around the world based on commercial activities in most regions where we have, or desire to have, a business presence for a particular product. We currently maintain more than 15,000 trademark applications and registrations in major regions, primarily identifying products dedicated to the care of livestock and pets.

## Regulatory

The sale of animal health products is governed by the laws and regulations specific to each country in which we sell our products. To maintain compliance with these regulatory requirements, we have established processes, systems and dedicated resources with end-to-end involvement from product concept to launch and maintenance in the market. Our regulatory function actively seeks to engage in dialogue with various global agencies regarding their policies that relate to animal health products. In the majority of our markets, the relevant health authority is separate from those governing human medicinal products.

### United States

*U.S. Food and Drug Administration.* The regulatory body that is responsible for the regulation of animal health pharmaceuticals in the U.S. is the Center for Veterinary Medicine (CVM), a division of the FDA. All manufacturers of

animal health pharmaceuticals must demonstrate their products to be safe, effective and produced by a consistent method of manufacture as defined under the Federal Food, Drug and Cosmetic Act (FFDCA). The FDA's basis for approving a new animal drug application is documented in a Freedom of Information Summary. Post-approval monitoring of products is required by law, with reports being provided to the CVM's Office of Surveillance and Compliance. Reports of product quality defects, adverse events or unexpected results are maintained and submitted in accordance with the law. Additionally, as part of the drug experience report, we are required to submit all new information pertaining to the safety or effectiveness of a product, regardless of the source.

*U.S. Department of Agriculture.* The regulatory body in the U.S. for veterinary biologicals is the U.S. Department of Agriculture (USDA). The Center for Veterinary Biologics within the Animal and Plant Health Inspection Service in the USDA is responsible for the regulation of animal health biologicals, which includes but is not limited to vaccines, bacterins, allergens, antibodies, antitoxins, toxoids, immunostimulants, certain cytokines, antigenic or immunizing components of live microorganisms, and diagnostic components of natural or synthetic origin, or that are derived from synthesizing or altering various substances or components of substances such as microorganisms, genes or genetic sequences, carbohydrates, proteins, antigens, allergens or antibodies. All manufacturers of animal health biologicals must show their products to be pure, safe, effective and produced by a consistent method of manufacture as defined under the Virus Serum Toxin Act. Post-approval monitoring of products is required. Reports of product quality defects, adverse events or unexpected results are maintained and submitted in accordance with the agency requirements.

*Environmental Protection Agency.* The main regulatory body in the U.S. for veterinary pesticides is the Environmental Protection Agency (EPA). The EPA's Office of Pesticide Programs is responsible for the regulation of most pesticide products applied to animals in accordance with a memorandum of understanding between the FDA and EPA for products that are subject to regulation under both the FFDCA and the Federal Insecticide, Fungicide and Rodenticide Act. All manufacturers of animal health pesticides must show their products will not cause unreasonable adverse effects to man or the environment as stated in the act. Within the U.S., individual state pesticide authorities must, before distribution in that state, also approve pesticide products that are approved by the EPA. Post-approval monitoring of products is required, with reports provided to the EPA and some state regulatory agencies.

*Food Safety Inspection Service.* The FDA is authorized to determine the safety of substances (including "generally recognized as safe" substances, food additives and color additives), as well as prescribe their safe conditions of use. However, although the FDA has the responsibility for determining the safety of substances, the Food Safety and Inspection Service, the public health agency in the USDA, still retains, under the tenets of the Federal Meat Inspection Act and the Poultry Products Inspection Act and their implementing regulations, the authority to determine that new substances and new uses of previously approved substances are suitable for use in meat and poultry products.

## **International**

*European Union (EU).* We are governed by the following EU regulatory bodies:

The European Medicines Agency (EMA) is a centralized agency of the EU responsible for the scientific evaluation of Veterinary Medicinal Products (VMP) developed by pharmaceutical companies for use in the EU. The agency has a veterinary review section distinct from the medical review section for human products. The Committee for Veterinary Medicinal Products (CVMP) is responsible for scientific review of the submissions for VMP and Immunological Veterinary Medicinal Products. If the CVMP concludes that all requirements for quality, safety and efficacy are met, it issues a positive opinion that is forwarded to the European Commission, who takes the final decision following the European comitology procedure. The centralized marketing authorization (commission decision) of the European Commission is valid in all of the EU. All countries that are not part of the EU but belong to the European Economic Area (EEA), i.e., Norway, Iceland and Liechtenstein, have been part of the scientific assessment done by the CVMP. These countries issue a national marketing approval in accordance with the Commission decision. A series of regulations, directives, guidelines, EU Pharmacopeia Monographs and other legislation provide the requirements for approval in the EU. In general, these requirements are similar to those in the U.S., requiring demonstrated evidence of purity, safety, efficacy and consistency of manufacturing processes.

If approval is sought for products that either cannot or do not need to follow the centralized procedure, approval can also be achieved by national approval in an EEA country agency. This national authorization

can be mutually recognized by other EEA countries/EU member states (Mutual Recognition Procedure). In addition, national and mutual recognition can be done in a combined procedure (Decentralized Procedure).

The European Food Safety Authority (EFSA) is the agency of the EU that provides scientific advice and communicates with respect to existing and emerging risks associated with the food chain. Based on EFSA's mandate, the agency evaluates applications for feed additives, including enzymes and several nutritionals for animals.

The European Chemicals Agency (ECHA) is the agency of the EU for the safe use of chemicals. Based on the ECHA's mandate, the agency conducts the evaluation of biocides for the EU.

With regard to Brexit, the U.K. formally left the EU on January 31, 2020. A transition period was in effect from February 1, 2020 until December 31, 2020, during which the U.K. and the EU would negotiate a trade agreement. On December 24, 2020, the EU and U.K. agreed to a trade deal with regulatory and customs cooperation mechanisms, no tariffs/quotas on products, as well as certain provisions ensuring open and fair competition. Post-separation, the U.K. has indicated it will look to continue working closely with the EMA, and that existing agreements between the EMA and other countries such as Switzerland, the U.S. and Canada provide a precedent on which the U.K. could build. Given the lack of comparable precedent, it is unclear what financial, trade, regulatory and legal implications the agreed Brexit trade deal will have on our business, particularly our U.K. and other European operations; however, Brexit and its related effects could have a material adverse impact on our consolidated and combined financial statements.

*Brazil.* The Ministry of Agriculture, Livestock Production and Supply (MAPA) is the regulatory body in Brazil that is responsible for the regulation and control of pharmaceuticals, biologicals and medicinal feed additives for animal use. MAPA's regulatory activities are conducted through the Secretary of Agricultural Defense and its Livestock Products Inspection Department. In addition, regulatory activities are conducted at a local level through the Federal Agriculture Superintendence. These activities include the inspection and licensing of both manufacturing and commercial establishments for veterinary products, as well as the submission, review and approval of pharmaceuticals, biologicals and medicinal feed additives. MAPA is one of the most active regulatory agencies in Latin America, having permanent seats at several international animal health forums, such as Codex Alimentarius, World Organization for Animal Health and Committee of Veterinary Medicines for the Americas. MAPA was also recently invited to be a Latin American representative at International Cooperation on Harmonisation of Technical Requirements for Registration of Veterinary Medicinal Products (VICH) meetings. Several normative instructions issued by MAPA have set regulatory trends in Latin America.

*Japan.* The Ministry of Agriculture, Forestry and Fishery (MAFF) is the regulatory body in Japan that is responsible for the regulation and control of pharmaceuticals (including biologicals and pesticide/disinfectant) and feed additive/feed for animal use. MAFF's regulatory activities are conducted through the Livestock & Aquaculture Product Safety Control Division under Consumer Safety Bureau. The animal drug reviews and approvals, reexamination reviews, GxP compliance checks, GxP site inspections and product assay checks (including vaccine national assays) are done by National Veterinary Assay Laboratory (NVAL). MAFF coordinates with other agencies such as Ministry of Health, Labor and Welfare (MHLW) and Food Safety Commission (FSC) to perform various license compliance checks (e.g. marketing authorization holder, manufacturer and oversea site accreditation) and ensure good promotional activities. Routine inspections, antimicrobial feed additive national assays and manufacturing inspections are done by the Food & Agriculture Material Inspection Center. For farm animal products, animal drug review is done by NVAL but the human food safety review is done by FSC (ADI establishment and antimicrobial risk assessment) and MHLW (MRL establishment). These three agencies (NVAL, FSC and MHLW) work together to approve farm animal products. In addition to those central government agencies, various licenses are delegated to the local municipal government, such as animal drug wholesaler and retailer licenses and feed additive distributor licenses.

*China.* The Ministry of Agriculture (MOA) is the regulatory body that is responsible for the regulation and control of pharmaceuticals, biologicals, disinfectants, medicinal feed additives, pesticide and feed/feed additives for animal use. There are three organizations under the MOA that regulate animal health:

The Institute of Veterinary Drug Control is responsible for the evaluation of new applications, renewals, variations, manufacturers, quality methods and tissue residue methods for pharmaceuticals, biologicals, disinfectants and medicinal feed additives.

The feed/feed additive office is responsible for the registration and renewal of feed and feed additives.



The pesticide bureau is responsible for the registration and renewal of pesticide products.

*Australia.* The Australian Pesticides and Veterinary Medicines Authority (APVMA) is an Australian government statutory authority established in 1993 to centralize the registration of all agricultural and veterinary products into the Australian marketplace. Previously, each state and territory government had its own system of registration. The APVMA assesses applications from companies and individuals seeking registration so they can supply their product to the marketplace. Applications undergo rigorous assessment using the expertise of the APVMA's scientific staff and drawing on the technical knowledge of other relevant scientific organizations, Commonwealth government departments and state agriculture departments. If the product works as intended and the scientific data confirms that when used as directed on the product label it will have no harmful or unintended effects on people, animals, the environment or international trade, the APVMA will register the product. As well as registering new agricultural and veterinary products, the APVMA reviews older products that have been on the market for a substantial period of time to ensure they still do the job users expect and are safe to use. The APVMA also reviews registered products when particular concerns are raised about their safety and effectiveness. The review of a product may result in confirmation of its registration or it may see registration continue with some changes to the way the product can be used. In some cases, the review may result in the registration of a product being cancelled and the product taken off the market.

*Rest of World.* Country-specific regulatory laws typically have provisions that include requirements for certain labeling, safety, efficacy and manufacturers' quality control procedures (to assure the consistency of the products), as well as company records and reports. Other countries' regulatory agencies typically either refer to the FDA, USDA, EU and other international animal health entities, including the World Organization for Animal Health, Codex Alimentarius or VICH (see below), in establishing standards and regulations for veterinary pharmaceuticals and vaccines, or review the quality, safety and effectiveness of the products themselves according to their own national requirements.

### **Global Policy and Guidance**

*Joint FAO/WHO Expert Committee on Food Additives.* The Joint FAO/WHO Expert Committee on Food Additives is an international expert scientific committee that is administered jointly by the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO). They provide a risk assessment/safety evaluation of residues of veterinary drugs in animal products, exposure and residue definition and maximum residue limit proposals for veterinary drugs. Similarly, the Joint FAO/WHO Meeting on Pesticide Residues (JMPR) is an international expert scientific group administered jointly by the FAO and WHO. JMPR reviews residues and analytical aspects of the pesticides, estimate the maximum residue levels, review toxicological data and estimate acceptable daily intakes for humans of the pesticides under consideration. Elanco works with these committees to establish acceptable safe levels of residual product in food-producing animals after treatment with veterinary drugs or pesticides. This in turn enables the calculation of appropriate withdrawal times for our products prior to an animal entering the food chain.

*Advertising and Promotion Review.* Promotion of ethical animal health products is controlled by regulations in many countries. These rules generally restrict advertising and promotion to those claims and uses that have been reviewed and endorsed by the applicable agency. We conduct a review of promotion material for compliance with the local and regional requirements in the markets where we sell animal health products.

*Import and Export of Products.* The importation and exportation of animal health products is controlled by regulations in many countries. In some jurisdictions this may include obtaining separate permits or licenses by product or by company or filing notices with applicable regulatory agencies prior to import or export of product. We ensure compliance with local and global regulations in the markets where we import/export our animal health products.

*International Cooperation on Harmonization of Technical Requirements for Registration of Veterinary Medicinal Products.* VICH is a trilateral (EU-Japan-USA) program launched in 1996 aimed at harmonizing technical requirements for veterinary product registration. Several other countries have obtained observer status, for example, Canada, New Zealand, Australia and South Africa, or are linked to VICH on basis of the VICH Outreach Forum, a VICH initiative with the main objective of providing a basis for wider international harmonization of technical requirements. In addition, the World Organization for Animal Health is an associate member of VICH.

## Human Capital

As of December 31, 2020, we employed approximately 9,400 full time employees. In addition, we employed approximately 800 fixed-duration employees, which are individuals hired for a pre-defined length of time (one to four years). Together, they total approximately 10,200 employees worldwide. Of the 10,200 global employees, approximately 3,200 are U.S.-based and approximately 7,000 are employed in other jurisdictions. Some of these employees are members of unions, works councils, trade associations or are otherwise subject to collective bargaining agreements, including approximately 140 union employees in the U.S. located at our Fort Dodge, Iowa manufacturing/R&D facility. Approximately 35% of our global population is in customer-facing roles, including but not limited to traditional sales roles, technical consultants, account managers and commercial and general managers.

The safety of employees, customers and suppliers with whom we frequently interact was our highest priority as COVID-19 spread across the globe. To limit exposure, we substantially restricted travel, required social distancing and supplied personal protective equipment to our workers who, as essential workers because the animal health industry has been designated an essential business, continued to be physically present in our manufacturing and research facilities while requiring non-essential employees to work remotely whenever possible. In 2020, our employees demonstrated resiliency, agility and engagement in support of business continuity despite the challenges that arose during the COVID-19 pandemic.

At Elanco, we are committed to fostering an inclusive culture where employees can make a difference, encouraging ownership, growth, and well-being. The following gives an overview of our approach to managing human capital resources.

*Our Culture.* We commit to create a culture built on the foundation of three values and four behavioral pillars:

Values that Guide our Decisions:

*Integrity* - Do the right thing in the right way.

*Respect* - Respect people, our customers and the animals in their care.

*Excellence* - Be accountable. Continuously improve. Deliver with discipline.

Behavioral Pillars that Guide our Actions:

*Involve* - We seek participation and input to gain commitment and passionate performance and create an engaged community. We act with humility as One Elanco, collaborating for the best outcomes for the entire company.

*Deliver* - We focus on the essential, build mastery, and diligently deliver on our commitments to our colleagues, customers, and shareholders.

*Own* - We are accountable and empowered. We ask questions and raise concerns. We are fully invested in Elanco's success.

*Innovate* - We bring an innovative mindset that drives continuous improvement of our processes, products, and services.

Our employees are driven by these values and behavioral pillars. At Elanco, this culture drives employee performance. Leadership and employees are encouraged to evaluate performance with these values and behavioral pillars in mind.

*Diversity, Equity and Inclusion.* We are focused on discovering new ways in which healthier animals can solve the world's greatest health and environmental challenges, and this innovation is only possible through an inclusive culture of employees with diverse backgrounds, strengths, and perspectives. Diversity, equity and inclusion are critical to creating and maintaining our purpose-driven culture and strengthening our promises to our employees and customers.

Formed in 2015, our Global Elanco Diversity, Equity and Inclusion Council (EDEIC) serves as a catalyst for a culture where diversity, equity and inclusion are embraced and recognized as a business-result driver. Within this

framework, employee development is better supported, opinions and diverse backgrounds are embraced, and we are a stronger company. Current EDEIC focus areas include our *Be You!* Seminar series to raise awareness and provide a forum for an open discussion on the importance of a diverse and inclusive workplace at Elanco, strong Employee Resource Groups, an annual Multi-Cultural Summit, and aspirational goals for representation of women (globally) and minority group members (U.S.) in leadership. In addition, a clear direction has been established for the post COVID-19 pandemic “future of work” that will enable greater flexibility and access to more diverse talent in a wider range of locations.

*Total Rewards.* We invest in our workforce by offering competitive salaries, incentives, and benefits. Our pay for performance philosophy is designed to create ownership and ensure that we reward and recognize top-performing employees through merit increases and other rewards. We benchmark our total rewards annually to ensure our compensation and benefit programs remain competitive with our peers. Our benefits are one way we support our employees’ well-being and live up to our employee promise.

*Development.* We offer our employees opportunities to advance their careers at Elanco and are passionate about equipping employees with skills and development opportunities to help them thrive and continually meet the ever-changing needs of our customers and other stakeholders in a dynamic and growing industry.

Beyond professional growth and development, Elanco employees actively engage in Elanco's *Healthy Purpose*,™ which is our initiative to advance the well-being of animals, people and the planet, enabling us to realize our vision of "Food and Companionship Enriching Life." This vision is built on a fundamental belief uniting the purpose of all Elanco employees – healthier animals are the key to solving some of the world’s most pressing issues. Our 2020 Annual Voice of the Employee Survey found that more than 80 percent of employees feel a personal commitment to Elanco’s corporate responsibility goals of improving food security and supporting the human-animal bond. Since 2014, our employees have engaged in more than 855 global volunteer projects and more than 95,000 employee volunteer hours have been logged in support of cause-related projects and disaster relief efforts.

## Environmental, Health and Safety

We are subject to various federal, state, local and foreign environmental, health and safety (EHS) laws and regulations. These laws and regulations govern matters such as the emission and discharge of hazardous materials into the ground, air or water; the generation, use, storage, handling, treatment, packaging, transportation, exposure to, and disposal of hazardous and biological materials, including recordkeeping, reporting and registration requirements; and the health and safety of our employees. Due to our operations, these laws and regulations also require us to obtain, and comply with, permits, registrations or other authorizations issued by governmental authorities. These authorities can modify or revoke our permits, registrations or other authorizations and can enforce compliance through fines and injunctions.

Certain environmental laws impose joint and several liability, without regard to fault, for cleanup costs on persons who have disposed of or released hazardous substances into the environment, including at third-party sites or offsite disposal locations, or that currently own or operate (or formerly owned or operated) sites where such a release occurred. We could be subject to liability for the investigation and remediation of legacy environmental contamination caused by historical industrial activity at sites that we own or on which we operate. In addition to clean-up actions brought by federal, state, local and foreign governmental entities, private parties could raise personal injury or other claims against us due to the presence of, or exposure to, hazardous materials on, from or otherwise relating to such a property.

We have made, and intend to continue to make, necessary expenditures for compliance with applicable EHS laws and regulations. We are also monitoring and investigating environmental contamination from past industrial activity at certain sites. As a result, we incurred capital and operational expenditures in 2020 for environmental compliance purposes and for the clean-up of certain past industrial activities. Environmental-related capital expenditures and other environmental-related expenditures were \$0.0 million and \$0.4 million in 2020, respectively.

In connection with past divestitures, we have undertaken certain indemnification obligations that may require us in the future, to conduct or finance environmental cleanups at sites that we no longer own or operate. In connection with certain of our acquisitions, we have also entered into indemnification agreements pursuant which we are or

may be indemnified for various environmental cleanups; however, such indemnities are limited in both time and scope and may be further limited in the presence of new information, or may not be available at all.

### Available Information

Our website address is [www.elanco.com](http://www.elanco.com). On our website, we make available, free of charge, our annual, quarterly and current reports, including amendments to such reports, as soon as reasonably practicable after we electronically file such material with, or furnish such material to, the SEC. In addition, the SEC maintains an internet site that contains reports, proxy and information statements, and other information regarding issuers, including Elanco, that file electronically with the SEC at [www.sec.gov](http://www.sec.gov).

Information relating to corporate governance at Elanco, including our Corporate Governance Guidelines, Code of Conduct, Financial Code of Ethics, Articles of Incorporation, Bylaws, Committee Charters; information concerning our executive officers and members of our board of directors; and ways to communicate are available on our website. We will provide any of the foregoing information without charge upon written request to Elanco's Corporate Secretary, Elanco, 2500 Innovation Way, Greenfield, Indiana 46140. Information relating to shareholder services is also available on our website.

Information contained on our website is not part of, or incorporated by reference, in this Annual Report on Form 10-K.

## ITEM 1A. RISK FACTORS

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*Our business, financial condition and results of operations are subject to various risks, including but not limited to the risks described below. If any of such risks actually materializes, our business, financial condition and results of operations could be materially adversely affected.*

### Risk Factor Summary

For a summary of risk factors, see our “Forward-Looking Statements and Risk Factor Summary” on page 4.

### Risks Related to Elanco's Business and Industry

#### ***The animal health industry is highly competitive.***

The animal health industry is highly competitive. Our competitors include standalone animal health businesses, the animal health businesses of large pharmaceutical companies, specialty animal health businesses and companies that mainly produce generic products. We believe many of our competitors are conducting R&D activities in areas served by our products and in areas in which we are developing products. Several new start-up companies also compete in the animal health industry. We also face competition from manufacturers of drugs globally, as well as producers of nutritional health products. These competitors may have access to greater financial, marketing, technical and other resources. As a result, they may be able to devote more resources to developing, manufacturing, marketing and selling their products, initiating or withstanding substantial price competition or more readily taking advantage of acquisitions or other opportunities. Further, consolidation in the animal health industry could result in existing competitors realizing additional efficiencies or improving portfolio bundling opportunities, thereby potentially increasing their market share and pricing power, which could lead to a decrease in our revenue and profitability and an increase in competition. For example, many of our competitors have relationships with key distributors and, because of their size, the ability to offer attractive pricing incentives, which may negatively impact or hinder our relationships with these distributors. In addition to competition from established market participants, new entrants to the animal health medicines and vaccines industry could substantially reduce our market share, render our products obsolete or disrupt our business model.

To the extent that any of our competitors are more successful with respect to any key competitive factor, or we are forced to reduce, or are unable to raise, the price of any of our products in order to remain competitive, our business, financial condition and results of operations could be materially adversely affected. Competitive pressure could arise from, among other things, more favorable safety and efficacy product profiles, limited demand growth or a significant number of additional competitive products being introduced into a particular market, price reductions by competitors, the ability of competitors to capitalize on their economies of scale, the ability of competitors to produce or otherwise procure animal health products at lower costs than us and the ability of competitors to access more or newer technology than us.

#### ***Disruptive innovation and advances in veterinary medical practices, animal health technologies and alternatives to animal-derived protein, could negatively affect the market for our products.***

The markets for our products are regularly impacted by the introduction and/or broad market acceptance of newly-developed or alternative products that address the diseases and conditions for which we sell products, including “green” or “holistic” health products, specially bred disease-resistant animals or replacements for meat, milk, eggs or fish from alternative natural or synthetic sources. For example, the market for our pet health therapeutics has been particularly affected by innovation in new molecules and delivery formulations in recent years. Technological breakthroughs by others may render obsolete our products and reduce or eliminate the market for our products. Introduction or acceptance of competing animal health products and innovation or disruptive protein alternatives could materially adversely affect our business, financial condition and results of operations.

**Regulatory restrictions and bans on the use of antibiotics and productivity products in farm animals, as well as changing market demand, may continue to negatively affect demand for certain of our farm animal products.**

Over the past few years, our operational results have been, and will continue to be, affected by regulations and changing market demand. In certain markets, including the U.S., sales of certain of our farm animal products have been negatively affected by an increase in consumer sentiment for proteins and dairy products produced without the use of antibiotics or other products intended to increase animal production.

There are two classes of antibiotics used in animal health: shared-class, or medically important, antibiotics, which are used to treat infectious disease caused by pathogens that occur in both humans and animals; and animal-only antibiotics, which are used to treat infectious disease caused by pathogens that occur in animals only. See “Business of Elanco - Products - Antibiotics.” Concerns that the use of antibiotics in farm animal production may lead to increased antibiotic resistance of human pathogens have resulted in increased regulation and changing market demand. In December 2013, the FDA announced final guidance establishing procedures for the voluntary phase-out in the U.S. over a three-year period of the use of shared-class antibiotics in animal feed or water for growth promotion in farm animal production. The guidance allows for continued use of shared-class antibiotics in food-producing animals under the supervision of a veterinarian for treatment, control and, under certain circumstances, for prevention of disease. The FDA indicated that it took this action to help preserve the efficacy of shared-class antibiotics to treat infections in humans. As of January 1, 2017, under the FDA’s guidance and the related rule known as the Veterinary Feed Directive, the use of shared-class antibiotics in the water or feed of food-producing animals requires written authorization by a licensed veterinarian. In addition, other countries in which we sell or plan to sell our products, such as France and Vietnam, have passed restrictions or bans on antibiotic use. Other countries have placed restrictions or bans on the use of specific antibiotics in certain food-producing animals, regardless of the route of administration (in feed or injectable).

From 2015 to 2020, our revenue from shared-class antibiotics declined at a compound annual growth rate (CAGR) of 3%, excluding the impact of foreign exchange rates. This was driven primarily by changing regulations in many markets, including the Veterinary Feed Directive, as well as changing market demand and our tiered approach to antibiotic stewardship, which included removing growth promotion from labels and requiring veterinary oversight in the U.S. and other markets. Globally, during 2020, our revenue from shared-class antibiotics increased 23%, excluding the impact of foreign exchange rates, but represented 12% (4% from sales in the U.S. and 8% from international sales) of total revenue, down from 16% in 2015. The increase was driven by the addition of Bayer Animal Health product revenue. From 2015 to 2020, our revenue from animal-only antibiotics declined at a CAGR of 3%, excluding the impact of foreign exchange rates, driven by the inclusion of Bayer Animal Health product revenues which are disproportionately more pet health focused than the existing legacy Elanco portfolio. During 2020, our revenue from animal-only antibiotics declined 15%, excluding the impact of foreign exchange rates, and represented 17% of total revenue, down from 23% in 2015. In 2020, 85% of our revenue from animal-only antibiotics resulted from the sale of ionophores. Ionophores are a special class of animal-only antimicrobials, and because of their animal-only designation, mode of action and spectrum of activity, their use has not to date been impacted by regulations or changing market demand in many international markets.

The impact of changes in regulations and market preferences regarding the use of antibiotics in farm animals could have a material adverse effect on our business, financial condition and results of operations. If there is an increased public perception that consumption of food derived from animals that utilize our products poses a risk to human health, there may be a further decline in the production of those food products and, in turn, demand for our products. In addition, antibiotic resistance concerns will likely result in additional restrictions or bans, expanded regulations or public pressure to further reduce the use of antibiotics in farm animals, increased demand for antibiotic-free protein, or changes in the market acceptance or regulatory treatment of ionophores, any of which could materially adversely affect our business, financial condition and results of operations.

In addition, our revenue has been impacted by changing trade dynamics with China and other markets that restrict the use of productivity products, such as those containing ractopamine, in farm animals. This has resulted in many U.S. food producers eliminating their use of ractopamine to gain access to those markets. Our farm animal products *Optaflexx*<sup>™</sup> and *Paylean*<sup>™</sup> contain ractopamine. If more producers decide to access such markets or additional markets restrict the use of ractopamine or other productivity products, our business, financial condition and results of operations could be materially adversely affected.

***Generic products may be viewed as more cost-effective than our products.***

We face competition from products produced by other companies, including generic alternatives to our products. We depend on patents and regulatory data exclusivity periods to provide us with exclusive marketing rights for some of our products. Patents for individual products expire at different times based on the date of the patent filing (or sometimes the date of patent grant) and the legal term of patents in the jurisdictions where such patents are obtained. The extent of protection afforded by our patents varies from jurisdiction to jurisdiction and is limited by the scope of the claimed subject matter of our patents, the term of the patent and the availability and enforcement of legal remedies in the applicable jurisdiction. Some of our top products such as *Rumensin*, *Maxiban*, *Denagard* and *Tylan Premix* do not have patent protection. Other products are protected by patents that expire over the next several years. As the patents for a brand name product expire, competitors may begin to introduce generic or other alternatives, and as a result, we may face competition from lower-priced alternatives to many of our products. For example, we have experienced significant competitive headwinds from generic ractopamine in the U.S. In the third quarter of 2013, a large established animal health company received U.S. approval for generic ractopamine. U.S. revenue from *Optaflexx*, our ractopamine beef product, has declined at a compound annual growth rate of 28% from 2015 to 2020 as a result of generic competition and international regulatory restrictions. In the third quarter of 2019, an established animal health company received U.S. approval for generic monensin in cattle and goats for certain indications. U.S. revenue from *Rumensin*, our monensin product, declined at a compound annual growth rate of 7% from 2015 to 2020 partly due to competition and may continue to decline as a result of the generic competition. We may face similar competition in the future for existing products that do not benefit from exclusivity or for existing products with material patents expiring in the future. See “Business of Elanco - Intellectual Property.”

Generic competitors are becoming more aggressive in terms of launching products before patent rights expire, and, because of attractive pricing, sales of generic products are an increasing percentage of overall animal health sales in certain regions. Although the impact of generic competition in the animal health industry to date has not typically mirrored that seen in human health, product pricing and the impact of generic competition in the future may more closely mirror human health as a result of changes in industry dynamics, such as channel expansion, consolidation, an increase in the availability and use of pet insurance and the potential for generic competition by established animal health businesses. If animal health customers increase their use of new or existing generic products, our business, financial condition and results of operations could be materially adversely affected.

***We may not successfully implement our business strategies or achieve targeted cost efficiencies and gross margin improvements.***

We are pursuing strategic initiatives that management considers critical to our long-term success, including, but not limited to: improving manufacturing processes, reducing our manufacturing footprint, achieving lean initiatives, consolidating our CMO network, strategically insourcing projects, pursuing cost savings opportunities with respect to raw materials through a new procurement process and improving the productivity of our sales force. Following the acquisition of Bayer Animal Health, we have announced a restructuring program which includes the elimination of positions across 37 countries, primarily in sales and marketing, research & development, manufacturing and quality, and back office support. There are significant risks involved with the execution of this restructuring programming, including costly expenses related to severance, asset impairment and other charges. We may pursue additional strategic initiatives in the future to improve gross margins and achieve our targeted cost efficiencies. We also have acquired or partnered with a number of smaller animal health businesses, and we intend to continue to do so in the future. There are significant risks involved with the execution of these initiatives, including significant business, economic and competitive uncertainties, many of which are outside of our control. Accordingly, we may not succeed in implementing these strategic initiatives. Realizing the anticipated benefits from these initiatives, if any benefits are achieved at all, may take several years. We may be unable to achieve our targeted cost efficiencies and gross margin improvements. Additionally, we may have insufficient access to capital to fund investments in strategic initiatives, or our business strategy may change from time to time, which could delay our ability to implement initiatives that we believe are important to our business.

***Consolidation of our customers and distributors could negatively affect the pricing of our products.***

Third-party distributors, veterinarians and farm animal producers are our primary customers. In recent years, there has been a trend towards the concentration of veterinarians in large clinics and hospitals. In addition, farm animal producers, particularly swine and poultry producers, and our distributors have seen recent consolidation in their industries. Furthermore, we have seen the expansion of larger cross-border corporate customers and an increase in

the consolidation of buying groups (cooperatives of veterinary practices that leverage volume to pursue discounts from manufacturers). The pace of consolidation and structure of markets varies greatly across geographies. If these trends towards consolidation continue, our customers could attempt to improve their profitability by leveraging their buying power to obtain favorable pricing. The resulting decrease in our prices could have a material adverse effect on our business, financial condition and results of operations.

***An outbreak of infectious disease carried by farm animals could negatively affect the demand for, and sale and production of, our farm animal products.***

Sales of our farm animal products could be materially adversely affected by a general outbreak of infectious disease or an outbreak of disease carried by farm animals, which could lead to the widespread death or precautionary destruction of farm animals as well as the reduced consumption and demand for animal protein. In addition, outbreaks of disease carried by farm animals may reduce regional or global sales of particular animal-derived food products or result in reduced exports of such products, either due to heightened export restrictions or import prohibitions, which may reduce demand for our farm animal products due to reduced herd or flock sizes.

In recent years, outbreaks of various diseases, including African Swine Fever, avian influenza, foot-and-mouth disease, bovine spongiform encephalopathy (otherwise known as BSE or “mad cow” disease) and porcine epidemic diarrhea virus (otherwise known as PEDV) have negatively impacted sales of our animal health products. The discovery of additional cases of any of these, or new, diseases may result in additional restrictions on animal protein, reduced herd or flock sizes, or reduced demand for animal protein, any of which may have a material adverse effect on our business, financial condition and results of operations. In addition, the outbreak of any highly contagious disease near our main production sites could require us to immediately halt production of our products at such sites or force us to incur substantial expenses in procuring raw materials or products elsewhere.

***The COVID-19 pandemic has had, and is expected to continue to have, an adverse impact on our business, our future results of operations and our overall financial performance.***

The COVID-19 pandemic has impacted and may further impact the U.S. and the broader economies of affected countries, including negatively impacting economic growth, the proper functioning of financial and capital markets, foreign currency exchange rates and interest rates. There continues to be uncertainty around its duration, ultimate impact and the timing of recovery. Therefore, the pandemic has led to extended disruptions, and could continue to result in further disruptions, of economic activity and the impact on our consolidated and combined results of operations, financial position and cash flows could be material.

As a result of the adverse impact that the COVID-19 pandemic is having on our economy and the economies in the countries in which we operate, the pandemic may affect our operations, including our supply chain distribution systems, production levels and research and development activities. In addition, any preventive or protective actions that governments implement or that we adopt in response to the COVID-19 pandemic, such as travel restrictions, quarantines, limited operations of governmental agencies or site closures, may interfere with the ability of our employees, vendors, and suppliers to perform their respective responsibilities and obligations relative to the conduct of our business. In particular, as a result of the COVID-19 pandemic, in-person interactions by our customer-facing professionals could be suspended and certain vet clinics and farms could limit such interactions, especially as some markets in which we operate experience additional waves of the COVID-19 pandemic. Our ability to market our products has been and may continue to be limited, which, in turn, could have an adverse effect on our ability to compete in the marketing and sales of our products. Additionally, government regulations that have been imposed in response to the COVID-19 pandemic may cause delays in the receipt of products, causing delays in our global supply chain, delaying the transportation of finished goods, disrupting our freight processes, which would result in higher shipping costs, and causing resources to be diverted that are necessary to administer certain of our products. In addition, some research and development projects could be impacted based on need for the reagents from suppliers and clinical trial activity requiring veterinary clinic access and support. Furthermore, social distancing guidelines could have an adverse impact on our research and development activities as our laboratories are not operating at full capacity.

Our customers, and therefore our business and revenues, are sensitive to negative changes in economic conditions. As a result, we experienced declines in revenue in 2020. With respect to our farm animal business, there have been a number of shutdowns of processing plants as a result of COVID-19 outbreaks within their operations, and there could be more of these shutdowns, which, in turn, have led and may lead to a further decrease in demand



for our customers' livestock. Such shutdowns could not only lead to a decrease in demand for our products, but could also significantly impact their ability to pay for our products. In addition, an effort by dairy farmers to decrease milk production could negatively impact demand for *Rumensin*. Additionally, decreased consumption in food service outlets has impacted demand and export opportunity for our food producing customers around the world. COVID-19 also impacted our pet health business, as social distancing guidelines decreased veterinary visits and reduced veterinary practice spending in the middle of 2020, but spending had rebounded to normal levels in most regions by the end of the year. We expect the negative impacts of the COVID-19 pandemic on our revenue will continue until conditions relating to the overall impact of COVID-19 on all aspects of the economy and life in general improve.

The impact of the COVID-19 pandemic on the global financial markets may reduce our ability to access capital, which could negatively impact our short-term and long-term liquidity. Additionally, our suppliers and third-party distributors may face difficulties maintaining operations and normal liquidity in light of government-mandated restrictions. Further, the resulting global economic downturn may negatively impact the ability of certain of our customers to make payments on a timely basis, adversely impacting our cash flows from operations. While our liquidity has not been significantly impacted by delayed collections thus far, we do not yet know the full extent of the impact of the COVID-19 pandemic and its resulting economic impact, which could have a material adverse effect on our liquidity, capital resources, operations and business.

***Our R&D, acquisition and licensing efforts may fail to generate new products or expand the use of our existing products.***

Our future success depends on both our existing product portfolio and our pipeline of new products, including new products that we may develop through joint ventures and products that we are able to obtain through license or acquisition, including the acquisition of Bayer Animal Health. We commit substantial effort, funds and other resources to R&D, both through our own dedicated resources and through collaborations with third parties.

We may be unable to determine with accuracy when or whether any of our products now under development will be approved or launched, or we may be unable to develop, license or otherwise acquire product candidates or products. In addition, we cannot predict whether any products, once launched, will be commercially successful or will achieve sales and revenue that are consistent with our expectations. The animal health industry is subject to regional and local trends and regulations and, as a result, products that are successful in some markets may not achieve similar success when introduced into other markets. Furthermore, the timing and cost of our R&D may increase, and our R&D may become less predictable as, among other things, regulations applicable to our industry may make it more time-consuming and/or costly to research, develop and register products. If we are unable to generate new products or expand the use of our existing products, our business, financial condition and results of operations will be materially adversely affected.

***The misuse or off-label use of our products may harm our reputation or result in financial or other damages.***

Our products have been approved for use under specific circumstances for the treatment of certain diseases and conditions in specific species. There may be increased risk of product liability claims if veterinarians, farm animal producers, pet owners or others attempt to use our products off-label, including the use of our products in species (including humans) for which they have not been approved. Furthermore, the use of our products for indications other than those for which our products have been approved may not be effective, which could harm our reputation and lead to an increased risk of litigation. If we are deemed by a governmental or regulatory agency to have engaged in the promotion of any of our products for off-label use, such agency could request that we modify our training or promotional materials and practices, and we could be subject to significant fines and penalties, and the imposition of these sanctions could also affect our reputation and position within the industry. Any of these events could materially adversely affect our business, financial condition and results of operations.

***Animal health products are subject to unanticipated safety, quality or efficacy concerns, which may harm our reputation.***

Unanticipated safety, quality or efficacy concerns arise from time to time with respect to animal health products, whether or not scientifically or clinically supported, leading to product recalls, withdrawals or suspended or declining sales, as well as product liability and other claims.

Regulatory actions based on these types of safety, quality or efficacy concerns could impact all, or a significant portion, of a product's sales and could, depending on the circumstances, materially adversely affect our results of operations.

In addition, since we depend on positive perceptions of the safety, quality and efficacy of our products, and animal health products generally, by food producers, veterinarians and pet owners, any concern as to the safety, quality or efficacy of our products, whether actual or perceived, may harm our reputation. These concerns and the related harm to our reputation could materially adversely affect our business, financial condition and results of operations, regardless of whether such reports are accurate.

***Our business may be negatively affected by weather conditions and the availability of natural resources.***

The animal health industry and demand for many of our products in a particular region are affected by weather conditions, varying weather patterns and weather-related pressures from pests, such as ticks. As a result, we may experience regional and seasonal fluctuations in our results of operations.

Farm animal producers depend on the availability of natural resources, including large supplies of fresh water. Their animals' health and their ability to operate could be adversely affected if they experience a shortage of fresh water due to human population growth or floods, droughts or other weather conditions. In the event of adverse weather conditions or a shortage of fresh water, veterinarians or farm animal producers may purchase less of our products.

Further, heat waves may cause stress in animals and lead to increased vulnerability to disease, reduced fertility rates and reduced milk production. Droughts may threaten pasture and feed supplies by reducing the quality and amount of forage available to grazing livestock, while climate change may increase the prevalence of parasites and diseases that affect farm animals. Adverse weather conditions may also have a material impact on the aquaculture business. Changes in water temperatures could affect the timing of reproduction and growth of various fish species, as well as trigger the outbreak of certain water borne diseases.

In addition, veterinary hospitals and practitioners depend on visits from, and access to, the animals under their care. Veterinarians' patient volume and ability to operate could be adversely affected if they experience prolonged snow, ice or other severe weather conditions, particularly in regions not accustomed to sustained inclement weather.

***Modification of foreign trade policy may harm our farm animal product customers.***

Changes in laws, agreements and policies governing foreign trade in the territories and countries where our customers do business could negatively impact such customers' businesses and adversely affect our results of operations. A number of our customers, particularly U.S.-based farm animal producers, benefit from free trade agreements, such as the North American Free Trade Agreement (NAFTA). In November 2018, the U.S. negotiated a new trade deal with Canada and Mexico known as the United States-Mexico-Canada-Agreement (USMCA), aimed at re-negotiating and updating the terms of NAFTA. The USMCA was revised by the parties on December 10, 2019 and was entered into force on July 1, 2020. The full impact of the USMCA on us, our customers, and on economic conditions is currently unknown and, thus, could materially adversely affect our business, financial condition and results of operations.

***Our results of operations are dependent upon the success of our top products.***

If any of our top products experience issues, such as disruptive innovations or the introduction of more effective competitive products, negative publicity, changes to veterinarian or customer preferences, loss of patent protection, material product liability litigation, new or unexpected side effects, manufacturing disruptions and/or regulatory proceedings, our revenue could be negatively impacted, perhaps significantly. Our top five products, *Rumensin*, *Trifexis*, *Maxiban*, *Interceptor Plus*, and the aggregate *Advantage Family* contributed approximately 23% of our revenue in 2020. Any issues with these top products, particularly *Rumensin*, which contributed approximately 7% of our revenue in 2020 and is now subject to generic competition in the U.S., could have a material adverse effect on our business, financial condition and results of operations.

***Our business is subject to risk based on customer exposure to rising costs and reduced customer income.***

Feed, fuel, transportation and other key costs for farm animal producers may increase or animal protein prices or sales may decrease. Either of these trends could cause deterioration in the financial condition of our farm animal product customers, potentially inhibiting their ability to purchase our products or pay us for products delivered. Our farm animal product customers may offset rising costs by reducing spending on our products, including by switching to lower-cost alternatives. In addition, concerns about the financial resources of pet owners could cause veterinarians to alter their treatment recommendations in favor of lower-cost alternatives to our products, which could result in a decrease in sales of our pet health products, especially in developed countries where there is a higher rate of pet ownership. Rising costs or reduced income for our customers could have a material adverse effect on our business, financial condition and results of operations.

***For our pet health products, increased use of alternative distribution channels, or changes within existing distribution channels, could negatively impact our market share, margins and distribution of our products.***

In most markets, pet owners typically purchase their animal health products directly from veterinarians. However, pet owners increasingly have the option to purchase animal health products from sources other than veterinarians, such as online retailers, “big-box” retail stores or other over-the-counter distribution channels. This trend has been demonstrated by the significant shift away from the veterinarian distribution channel in the sale of flea and tick products in recent years. Pet owners also could decrease their reliance on, and visits to, veterinarians as they rely more on internet-based animal health information. Because we market our pet health prescription products primarily through the veterinarian distribution channel, any significant decrease in visits to veterinarians by pet owners could reduce our market share for such products and materially adversely affect our business, financial condition and results of operations. In addition, pet owners may substitute human health products for animal health products if human health products are deemed to be lower-cost alternatives.

Legislation has also been proposed in the U.S., and may be proposed in the U.S. or abroad in the future, that could impact the distribution channels for our pet health products. For example, such legislation may require veterinarians to provide pet owners with written prescriptions and disclosure that the pet owner may fill prescriptions through a third party, which may further reduce the number of pet owners who purchase their animal health products directly from veterinarians. Such requirements may lead to increased use of generic alternatives to our products or the increased substitution of our pet health products with other animal health products or human health products if such other products are deemed to be lower-cost alternatives. Many states already have regulations requiring veterinarians to provide prescriptions to pet owners upon request and the American Veterinary Medical Association has long-standing policies in place to encourage this practice.

Over time, these and other competitive conditions may further increase our use of online retailers, “big-box” retail stores or other over-the-counter distribution channels to sell our pet health products. We may not be adequately prepared or able to distribute our pet health products if an increased portion of our sales occur through these channels. Also, we may realize lower margins on sales through these distribution channels than we do on sales through veterinarians. Any of these events could materially adversely affect our business, financial condition and results of operations.

In addition, if one or more of our pet health distributors discontinues or modifies their relationship with us, our business, financial condition and results of operations may be materially adversely affected. For example, in 2020, we completed the previously communicated channel inventory reduction, moving to inventory levels across the world and across species that represent the minimum necessary to allow our distributors to maintain strong service levels with their end customers.

***Increased or decreased inventory levels at our channel distributors can lead to fluctuations in our revenues and variations in payment terms extended to our distributors can impact our cash flows.***

In addition to selling our products directly to veterinarians, we sell to distributors who, in turn, sell our products to third parties. Inventory levels at our distributors may increase or decrease as a result of various factors, including end customer demand, new customer contracts, heightened and generic competition, required minimum inventory levels, our ability to renew distribution contracts with expected terms, our ability to implement commercial strategies, regulatory restrictions, unexpected customer behavior, proactive measures taken by us in response to shifting market dynamics, and procedures and environmental factors beyond our control, including weather conditions or an outbreak of infectious disease such as COVID-19 or diseases carried by farm animals such as African Swine Fever.

These increases and decreases can lead to variations in our quarterly and annual revenues. In addition, like all companies that manufacture and sell products, we have policies that govern the payment terms that we extend to our customers. Due to consolidation amongst our distributors, as well as changes in the buying habits of end customers or the need for certain inventory levels at our distributors to avoid supply disruptions, from time to time, our distributors have requested exceptions to the payment term policies that we extend to them. Extensions of customer payment terms can impact our cash flows, liquidity and results of operations.

***We may be required to write down goodwill or identifiable intangible assets.***

Under U.S. GAAP, if we determine goodwill or identifiable intangible assets are impaired, we will be required to write down these assets and record a non-cash impairment charge. As of December 31, 2020, we had recorded on our balance sheet goodwill of \$6.2 billion and identifiable intangible assets of \$6.4 billion. Identifiable intangible assets consist primarily of marketed products acquired or licensed from third parties, licensed platform technologies that have alternative future uses in R&D, manufacturing technologies, and customer relationships from business combinations. We also have indefinite-lived intangible assets, which consist of acquired in-process R&D projects from business combinations that are subject to impairment and non-cash impairment charges.

Determining whether an impairment exists and the amount of the potential impairment involves quantitative data and qualitative criteria that are based on estimates and assumptions requiring significant management judgment. Future events or new information may change management's valuation of an intangible asset in a short amount of time. The timing and amount of impairment charges recorded in our consolidated and combined statements of operations and write-downs recorded in our consolidated balance sheets could vary if our management's conclusions change. Any impairment of goodwill or identifiable intangible assets could have a material adverse effect on our business, financial condition and results of operations.

***Our R&D relies on evaluations of animals, which may become subject to bans, additional restrictive regulations or increased attention from activism movements.***

As an animal health medicines and vaccines business, we are required to evaluate the effect of our existing and new products in animals in order to register such products. Animal testing in certain industries has been the subject of controversy and adverse publicity. Some organizations and individuals have attempted to ban animal testing or encourage the adoption of new regulations applicable to animal testing. To the extent that the activities of such organizations and individuals are successful, our R&D, and by extension our business, financial condition and results of operations, could be materially adversely affected. In addition, negative publicity about us or our industry could harm our reputation. For example, farm animal producers may experience decreased demand for their products or reputational harm as a result of evolving consumer views of animal rights, nutrition, health-related or other concerns. Any reputational harm to the farm animal industry may also extend to companies in related industries, including our company. Adverse consumer views related to the use of one or more of our products in farm animals also may result in a decrease in the use of such products and could have a material adverse effect on our operating results and financial condition.

***Manufacturing problems and capacity imbalances may cause product launch delays, inventory shortages, recalls or unanticipated costs.***

In order to sell our products, we must be able to produce and ship sufficient quantities to our customers. We own and operate 20 internal manufacturing sites located in 12 countries. We also employ a network of approximately 130 third-party CMOs. Many of our products involve complex manufacturing processes and are sole-sourced from certain manufacturing sites.

Minor deviations in our manufacturing or logistical processes, such as temperature excursions or improper package sealing, could result, and have in the past resulted in, delays, inventory shortages, unanticipated costs, product recalls, product liability and/or regulatory action. In addition, a number of factors could cause production interruptions, including:

- the failure of us or any of our vendors or suppliers, including logistical service providers, to comply with applicable regulations and quality assurance guidelines;
- mislabeling;
- construction delays;

- equipment malfunctions;
- shortages of materials;
- labor problems;
- natural disasters;
- power outages;
- criminal and terrorist activities;
- changes in manufacturing production sites and limits to manufacturing capacity due to regulatory requirements, changes in types of products produced, shipping distributions or physical limitations; and
- the outbreak of any highly contagious diseases near our production sites.

These interruptions could result in launch delays, inventory shortages, recalls, unanticipated costs or issues with our agreements under which we supply third parties, which may materially adversely affect our business, financial condition and results of operations.

Our manufacturing network may be unable to meet the demand for our products or we may have excess capacity if demand for our products changes. The unpredictability of a product's regulatory or commercial success or failure, the lead time necessary to construct highly technical and complex manufacturing sites and shifting customer demand (including as a result of market conditions or entry of branded or generic competition) increase the potential for capacity imbalances. In addition, construction of sites is expensive, and our ability to recover costs will depend on the market acceptance and success of the products produced at the new sites, which is uncertain.

***We may incur substantial costs and receive adverse outcomes in litigation and other legal matters.***

Our business, financial condition and results of operations could be materially adversely affected by unfavorable results in pending or future litigation matters. These matters may include, among other things, allegations of violation of U.S. and foreign competition law, labor laws, securities laws and regulations, consumer protection laws and environmental laws and regulations, as well as claims or litigation relating to product liability, intellectual property, securities, breach of contract and tort. For example, shareholder class action lawsuits that were recently filed against us allege, in part, that we and certain of our executives made materially false and/or misleading statements and/or failed to disclose certain facts about our supply chain, inventory, revenue, projections and our relationships with third party distributors and revenue attributable to those distributors. We intend to vigorously defend the claims made in these lawsuits, however, the ultimate resolution cannot be predicted and the claims raised in these lawsuits may result in further legal matters or actions against us, including, but not limited to, government enforcement actions or additional private litigation. In addition, changes in the interpretations of laws and regulations to which we are subject, or in legal standards in one or more of the jurisdictions in which we operate, could increase our exposure to liability. For example, in the U.S., attempts have been made to allow damages for emotional distress and pain and suffering in connection with the loss of, or injury to, a pet. If such attempts were successful, our exposure with respect to product liability claims could increase materially.

Litigation matters, regardless of their merits or their ultimate outcomes, are costly, divert management's attention and may materially adversely affect our reputation and demand for our products. We cannot predict with certainty the eventual outcome of pending or future litigation matters. An adverse outcome of litigation or legal matters could result in us being responsible for significant damages. Any of these negative effects resulting from litigation matters could materially adversely affect our business, financial condition and results of operations.

***Our business is subject to substantial regulation.***

As a global company, we are subject to various state, federal and international laws and regulations, including regulations relating to the development, quality assurance, manufacturing, importation, distribution, marketing, sale of our products. In addition, our manufacturing facilities, including the manufacturing facilities operated by our CMOs, are subject to periodic inspections by regulatory agencies. An inspection may report conditions or practices that indicate possible violations of regulatory requirements. Our failure, or the failure of third parties we rely on, including CMOs, to comply with these regulatory requirements, allegations of such non-compliance or the discovery of previously unknown problems with a product or manufacturer could result in, among other things, inspection observation notices, warning letters or similar regulatory correspondence, fines, a partial or total shutdown of

production in one or more of our facilities while an alleged violation is remediated, withdrawals or suspensions of current products from the market, and civil or criminal prosecution, as well as decreased sales as a result of negative publicity and product liability claims. Any one of these consequences could materially adversely affect our business, financial condition and results of operations.

In addition, we will not be able to market new products unless and until we have obtained all required regulatory approvals in each jurisdiction where we propose to market those products. Even after a product reaches market, we may be subject to re-review and may lose our approvals. Our failure to obtain approvals, delays in the approval process, or our failure to maintain approvals in any jurisdiction, may prevent us from selling products in that jurisdiction until approval or re-approval is obtained, if ever.

***We may incur additional tax expense or become subject to additional tax exposure.***

We are subject to income taxes in the United States and numerous other jurisdictions. Our future results of operations could be adversely affected by changes in the effective tax rate as a result of a change in the mix of earnings between U.S. and non-U.S. jurisdictions or among jurisdictions with differing statutory tax rates, changes in our overall profitability, changes in tax laws or treaties or in their application or interpretation, changes in tax rates, changes in generally accepted accounting principles, changes in the valuation of deferred tax assets and liabilities, the results of audits and examinations of previously filed tax returns and continuing assessments of our tax exposures. We are also subject to the examination of our tax returns and other tax matters by the Internal Revenue Service and other tax authorities and governmental bodies. We regularly assess the likelihood of an adverse outcome resulting from these examinations to determine the adequacy of our provision for taxes. There can be no assurance as to the outcome of these examinations. If our effective tax rates were to increase, particularly in the U.S. or other material foreign jurisdictions, or if the ultimate determination of our taxes owed is for an amount in excess of amounts previously accrued, our operating results, cash flows and financial condition could be adversely affected.

***The illegal distribution and sale by third parties of counterfeit or illegally compounded versions of our products or of stolen, diverted or relabeled products could have a negative impact on our reputation and business.***

Third parties may illegally distribute and sell counterfeit or illegally compounded versions of our products that do not meet the exacting standards of our development, manufacturing and distribution processes. Counterfeit or illegally compounded medicines pose a significant risk to animal health and safety because of the conditions under which they are manufactured and the lack of regulation of their contents. Counterfeit or illegally compounded products are frequently unsafe or ineffective and can be potentially life-threatening to animals. Our reputation and business could suffer harm as a result of counterfeit or illegally compounded products which are alleged to be equivalent and/or which are sold under our brand name. In addition, products stolen or unlawfully diverted from inventory, warehouses, plants or while in transit, which are not properly stored or which have an expired shelf life and which have been repackaged or relabeled and which are sold through unauthorized channels, could adversely impact animal health and safety, our reputation and our business. With the acquisition of the Bayer Animal Health business, we have now expanded our business more into direct to retailer and e-commerce channels in order to meet the pet owners where they want to purchase, which may increase the risk of counterfeiting of our products. Public loss of confidence in the integrity of vaccines and/or pharmaceutical products as a result of counterfeiting, illegal compounding or theft could have a material adverse effect on our business, financial condition and results of operations.

***We are subject to complex environmental, health and safety laws and regulations.***

We are subject to various federal, state, local and foreign environmental, health and safety laws and regulations. These laws and regulations govern matters such as the emission and discharge of hazardous materials into the ground, air or water; the generation, use, storage, handling, treatment, packaging, transportation, exposure to and disposal of hazardous and biological materials, including recordkeeping, reporting and registration requirements; and the health and safety of our employees. Due to our operations, these laws and regulations also require us to obtain, and comply with, permits, registrations or other authorizations issued by governmental authorities. These authorities can modify or revoke our permits, registrations or other authorizations and can enforce compliance through fines and injunctions.

Given the nature of our business, we have incurred, are currently incurring and may in the future incur liabilities for the investigation and remediation of contaminated land under the U.S. Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or under other federal, state, local and foreign environmental cleanup laws, with respect to our current or former sites, adjacent or nearby third-party sites, or offsite disposal locations. We could be subject to liability for the investigation and remediation of legacy environmental contamination caused by historical industrial activity as sites that we own or on which we operate. The costs associated with future cleanup activities that we may be required to conduct or finance could be material. Additionally, we may become liable to third parties for damages, including personal injury, property damage and natural resource damages, resulting from the disposal or release of hazardous materials into the environment. Such liability could materially adversely affect our business, financial condition and results of operations.

Furthermore, regulatory agencies are showing increasing concern over the impact of animal health products and farm animal operations on the environment. This increased regulatory scrutiny has in the past and may in the future necessitate that additional time and resources be spent to address these concerns in both new and existing products.

Our failure to comply with the environmental, health and safety laws and regulations to which we are subject, including any permits issued thereunder, may result in environmental remediation costs, loss of permits, fines, penalties or other adverse governmental or private actions, including regulatory or judicial orders enjoining or curtailing operations or requiring corrective measures, installation of pollution control equipment or remedial measures. We could also be held liable for any and all consequences arising out of human exposure to hazardous materials, environmental damage or significant environmental, health and safety issues that might arise at a manufacturing or R&D facility. Environmental laws and regulations are complex, change frequently, have tended to become more stringent and stringently enforced over time and may be subject to new interpretation. It is possible that our costs of complying with current and future environmental, health and safety laws, and our liabilities arising from past or future releases of, or exposure to, hazardous materials could materially adversely affect our business, financial condition and results of operations.

***The actual or purported intellectual property rights of third parties may negatively affect our business.***

A third party may sue us, or our distributors or licensors, or otherwise make a claim, alleging infringement or other violation of such third-party's patents, trademarks, trade dress, copyrights, trade secrets, domain names or other intellectual property rights. If our distributors, licensors or we do not prevail in this type of litigation, we may be required to:

- pay monetary damages;
- obtain a license in order to continue manufacturing or marketing the affected products, which may not be available on commercially reasonable terms, or at all; or
- stop activities, including any commercial activities, relating to the affected products, which could include a recall of the affected products and/or a cessation of sales in the future.

The costs of defending an intellectual property claim could be substantial and could materially adversely affect our business, financial condition and results of operations, even if we successfully defend such claim. Moreover, even if we believe that we do not infringe a validly existing third-party patent, we may choose to license such patent, which would result in associated costs and obligations. We may also incur costs in connection with an obligation to indemnify a distributor, licensor or other third party.

The intellectual property positions of animal health medicines and vaccines businesses frequently involve complex legal and factual questions, and an issued patent does not guarantee us the right to practice the patented technology or develop, manufacture or commercialize the patented product. For example, while we generally enter into proprietary information agreements with our employees and third parties, which assign intellectual property rights to us, these agreements may not be honored or may not effectively assign intellectual property rights to us under the local laws of some countries or jurisdictions. We cannot be certain that a competitor or other third party does not have or will not obtain rights to intellectual property that may prevent us from manufacturing, developing or marketing certain of our products, regardless of whether we believe such intellectual property rights are valid and enforceable or we believe we would otherwise be able to develop a more commercially successful product, which may materially adversely affect our business, financial condition and results of operations.

***If our intellectual property rights are challenged or circumvented, competitors may be able to take advantage of our R&D efforts or harm the value of our brands.***

Our long-term success depends on our ability to market innovative, competitive products. We rely and expect to continue to rely on a combination of intellectual property, including patent, trademark, trade dress, copyright, trade secret and domain name protection, as well as confidentiality and license agreements with our employees and others, to protect our intellectual property and proprietary rights. If we fail to obtain and maintain adequate intellectual property protection, we may not be able to prevent third parties from using our proprietary technologies or from marketing products that are very similar or identical to ours.

Our currently pending or future patent applications may not result in issued patents, or be approved on a timely basis, if at all. Similarly, any term extensions that we seek may not be approved on a timely basis, if at all. In addition, our issued patents, or any patents that may issue in the future, may not contain claims sufficiently broad to protect us against third parties with similar technologies or products or provide us with any competitive advantage, including exclusivity in a particular product area.

The validity and scope of our patent claims also may vary between countries, as individual countries have their own patent laws. For example, some countries only permit the issuance of patents covering a novel chemical compound itself, and its first use, and thus further methods of use for the same compound may not be patentable. The validity, enforceability, scope and effective term of patents can be highly uncertain and often involve complex legal and factual questions and proceedings that vary based on the local law of the relevant jurisdiction. Our ability to enforce our patents also depends on the laws of individual countries and each country's practice with respect to enforcement of intellectual property rights. Patent protection must be obtained on a jurisdiction-by-jurisdiction basis, and we only pursue patent protection in countries where we think it makes commercial sense for the given product. In addition, if we are unable to maintain our existing license agreements or other agreements pursuant to which third parties grant us rights to intellectual property, including because such agreements terminate, our financial condition and results of operations could be materially adversely affected.

Patent law reform in the U.S. and other countries may also weaken our ability to enforce our patent rights, or make such enforcement financially unattractive. The America Invents Act permits enhanced third-party actions for challenging patents and implements a first-to-invent system. These reforms could result in increased costs to protect our intellectual property or limit our ability to obtain and maintain patent protection for our products in these jurisdictions. Additionally, certain foreign governments have indicated that compulsory licenses to patents may be granted in the case of national emergencies, which could diminish or eliminate sales and profits from those regions and materially adversely affect our financial condition and results of operations.

Our trademarks and brands may provide us with a competitive advantage in the market as they may be known or trusted by consumers. In order to maintain the value of such brands, we must be able to enforce and defend our trademarks. We have pursued and will pursue the registration of trademarks and service marks in the U.S. and internationally; however, enforcing rights against those who knowingly or unknowingly dilute or infringe our brands can be difficult. Effective trademark, service mark, trade dress or related protections may not be available in every country in which our products and services are available. Enforcement is especially difficult in first-to-file countries where "trademark squatters" can prevent us from obtaining adequate protections for our brands. There can be no assurance that the steps we have taken and will take to protect our proprietary rights in our brands and trademarks will be adequate or that third parties will not infringe, dilute or misappropriate our brands, trademarks, trade dress or other similar proprietary rights.

Many of our products are based on or incorporate proprietary information. We actively seek to protect our proprietary information, including our trade secrets and proprietary know-how, by generally requiring our employees, consultants, other advisors and other third parties to execute proprietary information and confidentiality agreements upon the commencement of their employment, engagement or other relationship. Despite these efforts and precautions, we may be unable to prevent a third party from copying or otherwise obtaining and using our trade secrets or our other intellectual property without authorization and legal remedies may not adequately compensate us for the damages caused by such unauthorized use. Further, others may independently and lawfully develop substantially similar or identical products that circumvent our intellectual property by means of alternative designs or processes or otherwise.



***Significant portions of our operations are conducted in foreign jurisdictions, including jurisdictions presenting a high risk of bribery and corruption, and are subject to the economic, political, legal and business environments of the countries in which we do business.***

Our international operations could be limited or disrupted by any of the following:

- volatility in the international financial markets;
- compliance with governmental controls;
- difficulties enforcing contractual and intellectual property rights;
- parallel trade in our products (importation of our products from EU countries where our products are sold at lower prices into EU countries where the products are sold at higher prices);
- compliance with a wide variety of laws and regulations, such as the U.S. Foreign Corrupt Practices Act (the FCPA) and similar non-U.S. laws and regulations;
- compliance with foreign labor laws;
- compliance with local, regional and global restrictions on banking and commercial activities in emerging markets;
- burdens to comply with multiple and potentially conflicting foreign laws and regulations, including those relating to environmental, health and safety requirements and those in emerging markets;
- changes in laws, regulations, government controls or enforcement practices with respect to our business and the businesses of our customers, including the imposition of limits on our profitability;
- political and social instability, including crime, civil disturbance, terrorist activities and armed conflicts;
- trade restrictions and restrictions on direct investments by foreign entities, including restrictions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury and the EU, in relation to our products or the products of farmers and other customers;
- government limitations on foreign ownership;
- government takeover or nationalization of business;
- changes in tax laws and tariffs;
- imposition of anti-dumping and countervailing duties or other trade-related sanctions;
- costs and difficulties and compliance risks in staffing, managing and monitoring international operations, including in the use of overseas third-party goods and service providers;
- corruption risk inherent in business arrangements and regulatory contacts with foreign government entities;
- longer payment cycles and increased exposure to counterparty risk; and
- additional limitations on transferring personal information between countries or other restrictions on the processing of personal information.

In addition, international transactions may involve increased financial and legal risks due to differing legal systems and customs. Compliance with these requirements may prohibit the import or export of certain products and technologies or may require us to obtain a license before importing or exporting certain products or technologies. A failure to comply with any of these laws, regulations or requirements could result in civil or criminal legal proceedings, monetary or non-monetary penalties, or both, disruptions to our business, limitations on our ability to import and export products, and damage to our reputation. In addition, variations in the pricing of our products between jurisdictions may result in the unauthorized importation or unauthorized re-importation of our products between jurisdictions and may also result in the imposition of anti-dumping and countervailing duties or other trade-related sanctions. While the impact of these factors is difficult to predict, any of them could materially adversely affect our business, financial condition and results of operations.

Further, changes in any of these laws, regulations or requirements, or the political environment in a particular country, may affect our ability to engage in business transactions in certain markets, including investment, procurement and repatriation of earnings.

***Significant portions of our operations are conducted in Europe and could be impacted by the withdrawal of the United Kingdom (U.K.) from the EU, commonly referred to as “Brexit.”***

In June 2016, voters in the U.K. approved an advisory referendum to withdraw from the EU, commonly referred to as Brexit. On March 29, 2017, the U.K. Prime Minister formally notified the European Council of the U.K.'s intention to withdraw from the EU under Article 50 of the Treaty of Lisbon. Brexit formally occurred on January 31, 2020. A transition period is in effect from February 1, 2020 until December 31, 2020, during which the U.K. and the EU will negotiate a trade agreement. During this period, EU rules and regulations will remain in effect for the U.K. The referendum and notice created political, regulatory and economic uncertainty, particularly in the U.K. and the EU, and this uncertainty may persist for years if the U.K. and the EU are unable to reach an agreement by the end of the transition period.

Our business is subject to substantial regulation. If a trade agreement is not reached by the end of the transition period, we may not be able to market certain products that entered the EU market following marketing authorization by U.K. authorities in all the nations that are parties to free trade agreements with the EU unless and until we have obtained all required regulatory approvals in each jurisdiction where we proposed to market those products.

In addition, the uncertainty related to Brexit has caused foreign exchange rate fluctuations in the past, including the strengthening of the U.S. dollar relative to the Euro and British pound immediately following the announcement of Brexit. Further developments with respect to Brexit could further impact foreign exchange rates, which could materially adversely affect our business, financial condition and results of operations.

The end of the transition period with no agreement in place could significantly disrupt the free movement of goods, services, and people between the U.K. and the EU, and result in increased legal and regulatory complexities, as well as potential higher costs of conducting business in Europe and declining gross domestic product in many European markets. The U.K.'s exit from the EU could also result in similar referendums or votes in other European countries in which we do business.

The uncertainty surrounding the terms of the U.K.'s withdrawal and its consequences could adversely impact consumer and investor confidence, and could affect sales or regulation of our products. Any of these effects, among others, could materially adversely affect our business, financial condition and results of operations.

***We depend on sophisticated information technology and infrastructure.***

We are continuing to enhance a number of our business processes, including our financial reporting and supply chain processes and with respect to where and from whom we obtain information technology systems. We have made and will continue to make significant configuration, process and data changes within many of the information technology systems we use. If our information technology systems and processes are not sufficient to support our business and financial reporting functions, or if we fail to properly implement our new business processes, our financial reporting may be delayed or inaccurate and, as a result, our business, financial condition and results of operations may be materially adversely affected. Even if we are able to successfully configure and change our systems, all technology systems, even with implementation of security measures, are vulnerable to disability, failures or unauthorized access. If our information technology systems were to fail or be breached, this could materially adversely affect our reputation and our ability to perform critical business functions, and sensitive and confidential data could be compromised.

***Breaches of our information technology systems or improper disclosure of confidential company or personal data, or a failure to comply with privacy laws, regulations and our contractual obligations concerning data privacy or the security of certain information could have a material adverse effect on our reputation and operations.***

We rely on information technology systems to process, transmit and store electronic information in our day-to-day operations, including customer, employee and company data. The secure processing, maintenance and transmission of this information is critical to our operations. In addition, the legal environment surrounding information security, storage, use, processing, transmission, maintenance, disclosure and privacy is demanding with the frequent imposition of new and changing regulatory requirements.

We store, process, and transmit certain information with third parties, including the use of cloud technologies. Our information systems and those of our third-party vendors are subjected to computer viruses or other malicious codes, unauthorized access attempts, phishing and other cyber-attacks and are also vulnerable to an increasing threat of continually evolving cybersecurity risks and external hazards, as well as improper or inadvertent staff behavior. Any potential cyber breach could result in the unauthorized access, public disclosure, loss or theft of confidential data, or unauthorized access to, disruption of, or interference with our operations that rely on information systems. Such breach can also have negative consequences, such as increased costs for security measures or remediation costs, and diversion of management attention.

In the wake of the COVID-19 global pandemic, we are increasingly dependent on our information technology systems as our office workers, who are working remotely, rely on third-party applications to perform their job duties and are processing information through our network via their home networks, which may be less secure. As such, our ability to effectively manage our business depends on the security, reliability and adequacy of our technology systems and data and the ability of our employees to follow our cyber security policies and protocols.

Any actual or perceived access, disclosure or other loss of information or any significant breakdown, intrusion, interruption, cyber-attack or corruption of customer, employee or company data or our failure to comply with federal, state, local and foreign privacy laws or contractual obligations with customers, vendors, payment processors and other third parties, could result in legal claims or proceedings, liability under laws or contracts that protect the privacy of personal information, regulatory penalties, disruption of our operations, and damage to our reputation, all of which could materially adversely affect our business, revenue and competitive position. While we will continue to implement additional protective measures to reduce the risk of and detect cyber-incidents, cyber-attacks are becoming more sophisticated and frequent, and the techniques used in such attacks change rapidly. Our protective measures may not protect us against attacks and such attacks could have a significant impact on our business and reputation. In addition, due to a transitional services agreement (TSA) with Lilly, we rely on Lilly for certain privacy, compliance, and security functions, and personnel, and may experience difficulties maintaining and implementing all policies and practices following completion of the TSA for these services.

***Increased regulation or decreased governmental financial support relating to the raising, processing or consumption of farm animals could reduce demand for our farm animal products.***

Companies in the farm animal sector are subject to extensive and increasingly stringent regulations. See “Business of Elanco - Regulatory.” If farm animal producers are adversely affected by new regulations or changes to existing regulations, they may reduce herd or flock sizes or become less profitable and, as a result, they may reduce their use of our products, which may materially adversely affect our business, financial condition and results of operations. Also, many farm animal producers benefit from governmental subsidies, and if such subsidies were to be reduced or eliminated, these companies may become less profitable and, as a result, may reduce their use of our farm animal products. More stringent regulation of the farm animal sector, including regarding the use of farm animal products, could have a material adverse effect on our business, financial condition and results of operations.

***Our business could be materially adversely affected by labor disputes, strikes or work stoppages.***

Some of our employees are members of unions, works councils, trade associations or are otherwise subject to collective bargaining agreements in certain jurisdictions, including the U.S. As a result, we are subject to the risk of labor disputes, strikes, work stoppages and other labor-relations matters. We may be unable to negotiate new collective bargaining agreements on similar or more favorable terms and may experience work stoppages, higher ongoing labor costs or other labor problems in the future at our sites. We may also experience difficulty or delays in implementing changes to our workforce in certain markets.

Further, labor-related issues, including at our suppliers or CMOs, could cause a disruption of our operations, which could have a material adverse effect on our business, financial condition and results of operations, potentially resulting in cancelled orders by customers, unanticipated inventory accumulation or shortages and reduced revenue and net income.

***We have underfunded pension plan liabilities. We will require current and future operating cash flow to fund these shortfalls reducing the cash available for other uses.***

We have certain defined benefit pension plans, predominantly in Germany and Switzerland, that our employees participate in that are either dedicated to our employees or where the plan assets and liabilities that relate to our employees were legally required to transfer to us at the time of the Separation. The funded status and net periodic pension cost for these plans is materially affected by the discount rate used to measure pension obligations, the longevity and actuarial profile of our workforce, the level of plan assets available to fund those obligations and the actual and expected long-term rate of return on plan assets. Significant changes in investment performance or a change in the portfolio mix of invested assets can result in corresponding increases and decreases in the valuation of plan assets or in a change in the expected rate of return on plan assets. As of December 31, 2020, for pension plans with projected benefit obligations in excess of plan assets, the projected benefit obligation was \$545.2 million with plan assets of \$220.2 million. Any changes in the discount rate could result in a significant increase or decrease in the valuation of pension obligations, affecting the reported funded status of our pension plans as well as the net periodic pension cost in the following years. Similarly, changes in the expected return on plan assets can result in significant changes in the net periodic pension cost in the following years. The need to make additional cash contributions will divert resources from our operations and may have a material adverse effect on our business, financial condition and results of operations.

### **Risks Related to the Bayer Animal Health Acquisition**

***We may be unable to integrate the Bayer Animal Health business successfully and realize the anticipated benefits of the acquisition.***

The successful integration of the Bayer Animal Health business and operations into those of our own and our ability to realize the expected synergies and benefits of the transaction is subject to a number of risks and uncertainties, many of which are outside of our control. We will also be required to devote significant management attention and resources to integrating business practices, cultures and operations of each business. The risks and uncertainties relating to integrating the two businesses and realizing the anticipated cost synergies include, among other things:

- the inability to achieve the anticipated revenue, earnings, accretion and other benefits due to the impact of the COVID-19 global health pandemic;
- the challenge of integrating complex organizations, systems, including the enterprise resource planning system upon which the Bayer Animal Health business is currently operating, operating procedures, compliance programs, technology, networks and other assets of the Bayer Animal Health business;
- the difficulties harmonizing differences in the business cultures of our company and the Bayer Animal Health business;
- the inability to combine successfully our respective businesses in a manner that permits us to achieve the cost savings, synergies and other anticipated benefits from the acquisition;
- the inability to minimize the diversion of management attention from ongoing business concerns during the process of integrating the Bayer Animal Health business into our businesses;
- the inability to resolve potential conflicts that may arise relating to customer, supplier and other important relationships of our business and the Bayer Animal Health business;
- the inability to transfer agreements relating to customers, suppliers and other important relationships of the Bayer Animal Health business;
- difficulties in retaining key management and other key employees;
- the challenge of managing the expanded operations of a significantly larger and more complex company and coordinating geographically separate organizations; and
- difficulties in fully exploring intellectual property licensed from Bayer in connection with the acquisition, given Bayer's rights as licensor of such intellectual property.

We have incurred substantial expenses to consummate and will continue to incur substantial expenses to integrate the acquisition but may not realize the anticipated cost synergies and other benefits to the extent

expected, on the timeline expected, or at all. In addition, even if we are able to integrate the Bayer Animal Health business successfully, the anticipated benefits of the acquisition may not be realized fully, or at all, or may take longer to realize than expected. Moreover, competition in the animal health industry, including competition that has negatively impacted results in the pet health parasiticide market, may also cause us not to fully realize the anticipated benefits of the acquisition. Given the size and significance of the acquisition, we may encounter difficulties in the integration of the operations of the Bayer Animal Health business and may fail to realize the full benefits and synergies of the acquisition, which could adversely impact our business, results of operation and financial condition.

***Business continuity of the Bayer Animal Health business may be disrupted if conflicts arise with Bayer under the TSA and other long-term agreements.***

To ensure business continuity after the transfer of the Bayer Animal Health business, we entered into transitional services agreements and other long-term agreements with Bayer. Bayer's performance of its obligations under such long-term agreements is important to our transition of the Bayer Animal Health business. Our inability to resolve conflicts with Bayer that may arise under those long-term agreements could compromise our ability to successfully integrate the Bayer Animal Health business. We may also encounter difficulties in securing another vendor to provide us with those same services, which could adversely affect our business, financial condition or results of operations.

### **Risks Related to our Indebtedness**

***We have substantial indebtedness.***

We have a significant amount of indebtedness, which could materially adversely affect our business, financial condition and results of operations. As of December 31, 2020, in addition to \$2.0 billion of senior unsecured notes, we had \$4.2 billion of borrowings under our new term loan B facility. We have an additional \$750.0 million of borrowing capacity under our new revolving credit facility (with incremental capacity available if certain conditions are met). The term loan B facility and new revolving credit facility (New Credit Facilities) were executed in connection with the acquisition of Bayer Animal Health. See Note 10: Debt to our consolidated and combined financial statements for further discussion.

Our high level of debt could have important consequences, including:

- making it more difficult for us to satisfy our obligations with respect to our debt and any failure to comply with the obligations of any of our debt instruments, including restrictive covenants and borrowing conditions, could result in an event of default under the agreements governing other indebtedness;
- requiring us to dedicate a substantial portion of our cash flow from operations to the payment of interest and the repayment of our indebtedness, thereby reducing funds available to us for other purposes;
- limiting our ability to obtain additional financing to fund future working capital, capital expenditures, business development or other general corporate requirements, including dividends;
- increasing our vulnerability to general adverse economic and industry conditions;
- making us more highly leveraged than some of our competitors, which may place us at a competitive disadvantage;
- restricting us from making strategic acquisitions, engaging in development activities or exploiting business opportunities;
- causing us to make non-strategic divestitures;
- exposing us to the risk of increased interest rates as certain of our borrowings are and may in the future be at variable rates of interest;
- limiting our flexibility in planning for and reacting to changes in the animal health industry;
- impacting our effective tax rate; and
- increasing our cost of borrowing.

***Despite our substantial indebtedness, we may still be able to incur significantly more debt, which could intensify the risks associated with our indebtedness.***

We and our subsidiaries may be able to incur substantial indebtedness in the future, even following the incurrence of indebtedness in connection with the acquisition of Bayer Animal Health. Although the terms of the credit agreement governing the New Credit Facilities contain restrictions on our and our subsidiaries' ability to incur additional indebtedness, these restrictions are subject to a number of important qualifications and exceptions, and the indebtedness incurred in compliance with these restrictions could be substantial. These restrictions are also do not prevent us from incurring obligations that do not constitute indebtedness. In addition to our borrowings under the New Credit Facilities, the covenants under the credit agreement governing the New Credit Facilities are expected to, and the covenants under any other of our existing or future debt instruments could, allow us to incur a significant amount of additional indebtedness and, subject to certain limitations, such additional indebtedness could be secured. The more leveraged we become, the more we, and in turn our security holders, will be exposed to certain risks described above under “—We have substantial indebtedness.”

***We may not be able to generate sufficient cash to service all of our indebtedness and may be forced to take other actions to satisfy our obligations under our indebtedness, which may not be successful.***

Our ability to make scheduled payments on or refinance our debt obligations depends on our financial condition and operating performance, which are subject to prevailing economic and competitive conditions and to certain financial, business, legislative, regulatory and other factors beyond our control. We may be unable to maintain a level of cash flows from operating activities sufficient to permit us to pay the principal and interest on our indebtedness.

If our cash flows and capital resources are insufficient to fund our debt service obligations, we could face substantial liquidity problems and could be forced to reduce or delay investments and capital expenditures, or to dispose of material assets or operations, alter our dividend policy, seek additional debt or equity capital or restructure or refinance our indebtedness. We may not be able to effect any such alternative measures on commercially reasonable terms or at all and, even if successful, those alternative actions may not allow us to meet our scheduled debt service obligations. The instruments that will govern our indebtedness may restrict our ability to dispose of assets and may restrict the use of proceeds from those dispositions and may also restrict our ability to raise debt or equity capital to be used to repay other indebtedness when it becomes due. We may not be able to consummate those dispositions or to obtain proceeds in an amount sufficient to meet any debt service obligations when due.

In addition, we conduct our operations through our subsidiaries. Accordingly, repayment of our indebtedness will depend on the generation of cash flow by our subsidiaries, including certain international subsidiaries, and their ability to make such cash available to us, by dividend, debt repayment or otherwise. Our subsidiaries may not have any obligation to pay amounts due on our indebtedness or to make funds available for that purpose. Our subsidiaries may not be able to, or may not be permitted to, make adequate distributions to enable us to make payments in respect of our indebtedness. Each subsidiary is a distinct legal entity and, under certain circumstances, legal, tax and contractual restrictions may limit our ability to obtain cash from our subsidiaries. In the event that we do not receive distributions from our subsidiaries, we may be unable to make required principal and interest payments on our indebtedness.

Our inability to generate sufficient cash flows to satisfy our debt obligations, or to refinance our indebtedness on commercially reasonable terms or at all, may materially adversely affect our business, financial condition and results of operations and our ability to satisfy our obligations under our indebtedness or pay dividends on our common stock.

***Our debt agreements contain restrictions that will limit our flexibility in operating our business.***

Our New Credit Facilities contain, and any other existing or future indebtedness of ours would likely contain, a number of covenants that impose significant operating and financial restrictions on us, including restrictions on our and our subsidiaries' ability to, among other things:

- incur additional debt, guarantee indebtedness or issue certain preferred shares;
- pay dividends on or make distributions in respect of, or repurchase or redeem, our capital stock or make other restricted payments;
- prepay, redeem or repurchase certain debt;
- make loans or certain investments;
- sell certain assets;
- create liens on certain assets;
- consolidate, merge, sell or otherwise dispose of all or substantially all of our assets;
- enter into certain transactions with our affiliates;
- substantially alter the businesses we conduct;
- enter into agreements restricting our subsidiaries' ability to pay dividends; and
- designate our subsidiaries as unrestricted subsidiaries.

In addition, the New Credit Facilities require us to comply with a net total leverage ratio and a minimum fixed charge coverage ratio under certain circumstances.

As a result of these covenants, we are limited in the manner in which we conduct our business, and we may be unable to engage in favorable business activities or finance future operations or capital needs.

A failure to comply with the covenants under, the indenture that governs the senior unsecured notes, the New Credit Facilities, or any of our other existing or future indebtedness could result in an event of default, which, if not cured or waived, could have a material adverse effect on our business, financial condition and results of operations. In the event of an event of default under the New Credit Facilities, it is expected that the lenders:

- will not be required to lend any additional amounts to us;
- could elect to declare all borrowings outstanding, together with accrued and unpaid interest and fees, to be due and payable and terminate all commitments to extend further credit;
- could require us to apply all of our available cash to repay these borrowings; or
- could effectively prevent us from making debt service payments on the notes (due to a cash sweep feature).

Such actions by the lenders could cause cross defaults under our other indebtedness, including our senior unsecured notes. If we were unable to repay those amounts, the lenders under the New Credit Facilities and any of our other existing or future secured indebtedness could proceed against the collateral granted to them to secure the New Credit Facilities or such other indebtedness. We have pledged a significant portion of our assets as collateral under the New Credit Facilities.

***Changes in our credit rating could increase our interest expense and restrict our access to, and negatively impact the terms of, current or future financings or trade credit.***

Credit rating agencies continually revise their ratings for the companies that they follow, including us. Credit rating agencies also evaluate our industry as a whole and may change their credit ratings for us based on their overall view of our industry. We cannot be sure that credit rating agencies will maintain their ratings on us and certain of our debt. As a result of the acquisition of Bayer Animal Health, our credit ratings were downgraded, resulting in increased borrowing costs. Because the ratings of certain of our senior unsecured notes have been downgraded, we are required to pay additional interest under the senior unsecured notes. Any further downgrades could result in requirements to pay additional interest under the senior unsecured notes. Moreover, any decision to downgrade our

ratings could restrict our access to, and negatively impact the terms of, current or future financings and trade credit extended by our suppliers of raw materials or other vendors.

***Changes in interest rates may adversely affect our earnings and/or cash flows.***

Our New Credit Facilities bear interest at variable interest rates that use the London Inter-Bank Offered Rate (LIBOR) as a benchmark rate. On July 27, 2017, the United Kingdom's Financial Conduct Authority (FCA), which regulates LIBOR, announced that it intends to stop persuading or compelling banks to submit LIBOR quotations after 2021 (the FCA Announcement). The FCA Announcement indicates that the continuation of LIBOR on the current basis cannot and will not be assured after 2021, and LIBOR may cease to exist or otherwise be unsuitable for use as a benchmark.

On November 30, 2020, ICE Benchmark Administration, the administrator of LIBOR, with the support of the U.S. Federal Reserve and the FCA, announced plans to extend the date on which most U.S. LIBOR tenors would cease publication from December 31, 2021 to June 30, 2023. While this announcement extends the transition period, the future of LIBOR is still uncertain and any changes may adversely affect our interest expense, our ability to refinance some or all of our existing indebtedness, and the valuation of derivative contracts, which could reduce our earnings and cash flows.

Recent proposals for LIBOR reforms may result in the establishment of new methods of calculating LIBOR or the establishment of one or more alternative benchmark rates. Although our New Credit Facilities provide for successor base rates, the successor base rates may be related to LIBOR, and the consequences of any potential cessation, modification or other reform of LIBOR cannot be predicted at this time. If LIBOR ceases to exist, we may need to amend our existing or enter into a new credit facility, and we cannot predict what alternative interest rate(s) will be negotiated with our counterparties.

**Risk Related to Our Relationship with Lilly**

***We continue to be contractually bound to Lilly for access to certain intellectual property and to maintain the tax-free treatment to Lilly and its shareholders of the Separation. Some of these obligations restrict our ability to engage in certain transactions.***

As part of the Separation, we entered into the following agreements that continue to affect our business:

- An intellectual property and technology license agreement, pursuant to which Lilly licenses to us certain of its intellectual property (excluding trademarks) related to the animal health business. Lilly also grants us a license to use Lilly's proprietary compound library for two years plus up to three additional one-year periods, with each such extension to be granted under Lilly's sole discretion. If we fail to comply with our obligations under this agreement and Lilly exercises its right to terminate it, our ability to continue to research, develop and commercialize products incorporating that intellectual property will be limited. In addition, this agreement includes limitations that affect our ability to develop and commercialize certain products, including in circumstances where Lilly has an interest in the licensed intellectual property in connection with its human health development programs. These limitations and termination rights may make it more difficult, time consuming or expensive for us to develop and commercialize certain new products or may result in our products being later to market than those of our competitors.
- A tax matters agreement to preserve the tax-free treatment to Lilly and its shareholders of the Separation and certain related transactions that restricts us from taking any action that prevents such transactions from being tax-free for U.S. federal income tax purposes. These restrictions limit our ability to pursue certain strategic transactions or engage in other transactions, including using our common stock to make acquisitions and in connection with equity capital market transactions that might increase the value of our business. Because of these restrictions, we will have limited ability to issue shares of our common stock until our tax matters agreement with Lilly expires in March 2021.



## Risks Related to Elanco Common Stock

### ***We do not anticipate paying dividends on our common stock in the foreseeable future.***

We do not anticipate paying any dividends in the foreseeable future on our common stock. We intend to retain all future earnings for the operation and expansion of our business and the repayment of outstanding debt. The New Credit Facilities contain restrictive covenants that impose significant operating and financial restrictions on us, including restrictions on our ability to pay dividends and make other restricted payments. As a result, capital appreciation, if any, of our common stock may be your major source of gain for the foreseeable future. While we may change this policy at some point in the future, we cannot assure you that we will make such a change.

### ***The distributions we pay on our common stock may not qualify as dividends for U.S. federal income tax purposes, which could adversely affect the U.S. federal income tax consequences to you of owning our common stock.***

Generally, any distributions that we make to a stockholder with respect to its shares of our common stock will constitute a dividend for U.S. federal income tax purposes to the extent of our current or accumulated earnings and profits as determined for U.S. federal income tax purposes. Furthermore, our ability to generate earnings and profits, as determined for U.S. federal income tax purposes, in any future year is subject to a number of variables that are uncertain and difficult to predict.

Generally, any distribution not constituting a dividend under the rules described above will be treated as first reducing the investor's adjusted basis in shares of our common stock and, to the extent that the distribution exceeds the adjusted basis in shares of our common stock, as gain from the sale or exchange of such shares, and if the investor is a domestic corporation, it will not be entitled to claim, with respect to such non-dividend distribution, a "dividends-received" deduction, which generally applies to dividends received from other domestic corporations.

### ***Applicable laws and regulations, provisions of our amended and restated articles of incorporation and our amended and restated bylaws may discourage takeover attempts and business combinations that shareholders might consider in their best interests.***

Applicable laws, provisions of our amended and restated articles of incorporation and our amended and restated bylaws may delay, deter, prevent or render more difficult a takeover attempt that our shareholders might consider in their best interests. For example, they may prevent our shareholders from receiving the benefit from any premium to the market price of our common stock offered by a bidder in a takeover context. Even in the absence of a takeover attempt, the existence of these provisions may adversely affect the prevailing market price of our common stock if they are viewed as discouraging takeover attempts in the future.

Our amended and restated articles of incorporation and our amended and restated bylaws contain provisions that are intended to encourage prospective acquirers to negotiate with our board of directors rather than to attempt a hostile takeover, which could deter coercive takeover practices and inadequate takeover bids. These provisions provide for:

- a board of directors divided into three classes with staggered terms;
- advance notice requirements regarding how our shareholders may present proposals or nominate directors for election at shareholder meetings;
- the right of our board of directors to issue one or more series of preferred stock with such powers, rights and preferences as the board of directors shall determine;
- only the board of directors to fill newly-created directorships or vacancies on our board of directors;
- limitations on the ability of shareholders to call special meetings of shareholders and require that all shareholder action be taken at a meeting rather than by written consent;
- a two-thirds shareholder vote requirement to amend our amended and restated articles of incorporation;
- the exclusive right of our board of directors to amend our amended and restated bylaws; and
- the requirement that a 66 2/3% vote is necessary to remove directors.

These limitations may adversely affect the prevailing market price and market for our common stock if they are viewed as limiting the liquidity of our stock or discouraging takeover attempts in the future.

## ITEM 1B. UNRESOLVED STAFF COMMENTS

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None.

## ITEM 2. PROPERTIES

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The address of our principal executive offices is currently c/o Elanco, 2500 Innovation Way, Greenfield, IN 46140.

Our global manufacturing network is comprised of 20 manufacturing sites, including 8 sites acquired from the Bayer Animal Health acquisition. The largest manufacturing site in our global manufacturing network is our manufacturing site located in Clinton, Indiana, which has approximately 0.7 million square feet. In addition, our global manufacturing network will continue to be supplemented by approximately 130 CMOs. See "Item 1. Business — Manufacturing and Supply Chain."

We have R&D operations co-located with certain of our manufacturing sites in the U.S. to facilitate the efficient transfer of production processes from our laboratories to manufacturing sites. In addition, we maintain R&D operations at non-manufacturing locations in the U.S., Germany, Switzerland, Australia, Brazil, China and India. Our largest R&D facility is our U.S. R&D site located in Fort Dodge, Iowa, which has approximately 0.3 million square feet. See "Item 1. Business — Research and Development."

We own or lease various additional properties for other business purposes including office space, warehouses and logistics centers. We believe that our existing properties, as supplemented by CMOs are adequate for our current requirements and for our operations in the near future.

## ITEM 3. LEGAL PROCEEDINGS

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Information pertaining to certain legal proceedings is provided in Note 17: Commitments and Contingencies to our consolidated and combined financial statements included under Item 8, "Financial Statements and Supplementary Data," and is incorporated by reference herein.

## ITEM 4. MINE SAFETY DISCLOSURES

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Not applicable.

## PART II

## ITEM 5. MARKET FOR THE REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS, AND ISSUER PURCHASES OF EQUITY SECURITIES

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### Market Information

On September 20, 2018, our common stock began trading on the New York Stock Exchange under the symbol "ELAN."

On January 30, 2020, our tangible equity units (TEUs) began trading on the New York Stock Exchange under the symbol "ELAT."

## Holders

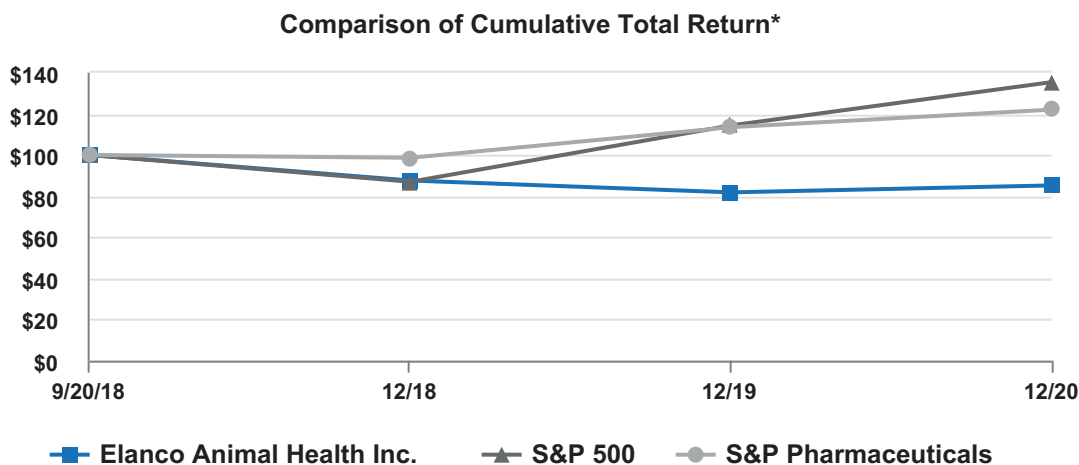
There were 291 holders of record of our common stock as of February 24, 2021. This does not include the number of stockholders who hold shares of our common stock through banks, brokers or other financial institutions.

## Dividend Policy

We do not anticipate paying dividends on our common stock in the foreseeable future; however, we may change our dividend policy at any time.

## Performance Graph

This graph compares the return on Elanco's common stock with that of the S&P 500 Stock Index and the S&P 500 Pharmaceuticals Index from September 20, 2018 (the first day our common stock was traded in conjunction with our IPO) through December 31, 2020. The graph assumes that, on September 20, 2018, a person invested \$100 each in Elanco common stock, the S&P 500 Index, and the S&P 500 Pharmaceuticals Index. The graph measures total shareholder return, which takes into account both stock price and dividends. It assumes that dividends paid by a company are reinvested in that company's stock.



\*\$100 invested on 9/20/2018 in stock or index, including reinvestment of dividends. Fiscal year ending December 31.

	9/20/18	12/31/18	12/31/19	12/31/20
Elanco Animal Health Inc.	\$ 100.00	\$ 87.58	\$ 81.81	\$ 85.19
S&P 500 Index	100.00	86.97	114.36	135.40
S&P 500 Pharmaceuticals Index	100.00	98.62	113.50	122.04

## ITEM 6. (REMOVED AND RESERVED)

Not applicable.

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

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Management's discussion and analysis of financial condition and results of operations (MD&A), is intended to assist the reader in understanding and assessing significant changes and trends related to our results of operations and financial position. This discussion and analysis should be read in conjunction with the consolidated and combined financial statements and accompanying footnotes in Item 8 of Part II of this Annual Report on Form 10-K. Certain statements in this Item 7 of Part II of this Annual Report on Form 10-K constitute forward-looking statements. Various risks and uncertainties, including those discussed in "Forward-Looking Statements" and Item 1A, "Risk Factors," may cause our actual results, financial position, and cash generated from operations to differ materially from these forward-looking statements. For results of operations discussions related to years ending December 31, 2019 and 2018, refer to Item 7 of Part II in our [Annual Report on Form 10-K for the year ended December 31, 2019](#) filed with the Securities and Exchange Commission on February 28, 2020.

### Overview

Founded in 1954 as part of Eli Lilly & Co. (Lilly), Elanco is a premier animal health company that innovates, develops, manufactures and markets products for pets and farm animals. Headquartered in Greenfield, Indiana, we are one of the largest animal health companies in the world, with pro forma combined revenue of Elanco and Bayer Animal Health of approximately \$4.4 billion for the year ended December 31, 2020. Excluding Bayer Animal Health, globally, we are #1 in medicinal feed additives, #2 in poultry, and #3 in other pharmaceuticals, which are mainly pet health therapeutics, measured by 2019 revenue, according to Vetnosis.

We have one of the broadest portfolios of pet parasiticides in the pet health sector. We offer a diverse portfolio of approximately 190 brands that make us a trusted partner to veterinarians and farm animal producers in more than 90 countries.

On September 24, 2018, we completed our initial public offering (IPO), pursuant to which we issued and sold 19.8% of our total outstanding shares. On September 20, 2018, our common stock began trading on the New York Stock Exchange (NYSE) under the symbol "ELAN." On September 24, 2018, immediately preceding the completion of the IPO, Lilly transferred to us substantially all of its animal health businesses in exchange for (i) all of the net proceeds (approximately \$1,659.7 million) we received from the sale of our common stock in the IPO, including the net proceeds we received as a result of the exercise in full of the underwriters' option to purchase additional shares, (ii) all of the net proceeds (approximately \$2,000 million) we received from the issuance of our senior notes; and (iii) all of the net proceeds (\$498.6 million) we received from the entry into our term loan facility. In addition, immediately prior to the completion of the IPO, we entered into certain agreements with Lilly that provide a framework for our ongoing relationship with them.

On February 8, 2019, Lilly announced an exchange offer whereby Lilly shareholders could exchange all or a portion of Lilly common stock for shares of Elanco common stock owned by Lilly. On that date, we filed a Registration Statement on Form S-4 with the SEC in connection with that exchange offer. The disposition of Elanco shares was completed on March 11, 2019, and resulted in the full separation of Elanco along with the disposal of Lilly's entire ownership and voting interest in Elanco.

On August 1, 2020, we completed the acquisition of Bayer Animal Health. The acquisition expands our pet health product category, advancing our planned portfolio mix transformation and creating a better balance between our farm animal and pet health product categories. Our existing product portfolio and pipeline are enhanced by the addition of Bayer Animal Health, which complements our commercial operations and international infrastructure. See Note 6: Acquisitions and Divestitures to the consolidated and combined financial statements for additional information on the acquisition. Subsequent to the acquisition date, our consolidated and combined financial statements include the assets, liabilities, operating results and cash flows of Bayer Animal Health.

We operate our business in a single segment directed at fulfilling our vision of enriching the lives of people through food, making protein more accessible and affordable and through pet companionship, helping pets live longer, healthier lives. During the third quarter of 2020, we renamed our four primary product categories by replacing "food animal" and "companion animal" with "farm animal" and "pet health," respectively, to better reflect the terminology used by our customers. We advance our vision by offering products in these four primary

categories:

*Pet Health Disease Prevention (PH Disease Prevention):* We have one of the broadest parasiticide portfolios in the pet health sector based on indications, species and formulations, with products that protect pets from worms, fleas and ticks. Our *Seresto* and *Advantage*, *Advantix*, *Advocate* (collectively referred to as the *Advantage Family*) products represent treatments for the elimination and prevention, respectively, of fleas and ticks. Combining our parasiticide portfolio with our vaccines presence, we are a leader in the U.S. in the disease prevention category based on share of revenue.

*Pet Health Therapeutics (PH Therapeutics):* We have a broad pain and osteoarthritis portfolio across species, modes of action, indications and disease stages. Pet owners are increasingly treating osteoarthritis in their pets, and our *Galliprant* product is one of the fastest growing osteoarthritis treatments in the U.S. We also have treatments for otitis (ear infections) with *Claro*, as well as treatments for certain cardiovascular and dermatology indications.

*Farm Animal Future Protein & Health (FA Future Protein & Health):* Our portfolio in this category, which includes vaccines, nutritional enzymes and animal-only antibiotics, serves the growing demand for protein and includes innovative products in poultry and aquaculture production, where demand for animal health products is outpacing overall industry growth. With our *Maxiban* product, we are a leader in the control and prevention of intestinal disease in poultry. We are focused on developing functional nutritional health products that promote farm animal health, including enzymes, probiotics and prebiotics. We are also a global leader in providing vaccines as alternatives to antibiotics to promote animal health based on share of revenue.

*Farm Animal Ruminants & Swine (FA Ruminants & Swine):* We have a range of farm animal products, including *Rumensin* and *Baytril*, used extensively in ruminant (e.g., cattle, sheep and goats) and swine production.

A summary of our 2020, 2019, and 2018 revenue and net income is as follows:

	Year Ended December 31,		
	2020	2019	2018
Revenue	\$ 3,273.3	\$ 3,071.0	\$ 3,066.8
Net income (loss)	(560.1)	67.9	86.5

Increases or decreases in inventory levels at our channel distributors can positively or negatively impact our quarterly and annual revenue results, leading to variations in quarterly revenues. This can be a result of various factors, such as end customer demand, new customer contracts, heightened and generic competition, the need for certain inventory levels, our ability to renew distribution contracts with expected terms, our ability to implement commercial strategies, regulatory restrictions, unexpected customer behavior, proactive measures taken by us in response to shifting market dynamics, payment terms we extend, which are subject to internal policies, and procedures and environmental factors beyond our control, including weather conditions and the COVID-19 global pandemic.

### Key Trends and Conditions Affecting Our Results of Operations

The animal health industry, which focuses on both farm animals and pets, is a growing industry that benefits billions of people worldwide.

As demand for animal protein grows, farm animal health is becoming increasingly important. Factors influencing growth in demand for farm animal medicines and vaccines include:

- one in three people needing improved nutrition;
- increased global demand for protein, particularly poultry and aquaculture;
- natural resource constraints, such as scarcity of arable land, fresh water and increased competition for cultivated land, driving the need for more efficient food production;
- loss of productivity due to farm animal disease and death;

- increased focus on food safety and food security; and
- human population growth, increased standards of living, particularly in many emerging markets, and increased urbanization.

Growth in farm animal nutritional health products (enzymes, probiotics and prebiotics) is influenced, among other factors, by demand for antibiotic alternatives that can promote animal health and increase productivity.

Factors influencing growth in demand for pet medicines and vaccines include:

- increased pet ownership globally;
- pets living longer; and
- increased pet spending as pets are viewed as members of the family by owners.

## Factors Affecting Our Results of Operations

### *COVID-19 Pandemic*

Our business has been impacted by the COVID-19 pandemic that originated in December 2019. We continue to monitor the global outbreak of COVID-19 and are working with our customers, employees, suppliers and other stakeholders to mitigate the risks posed by its spread. The COVID-19 pandemic continues to impact the economy in the United States and globally, and has had an effect on the operations of our company, vendors and suppliers, and supply of and demand for our products as follows:

#### *Operations*

As a result of the COVID-19 pandemic, governmental authorities have implemented and are continuing to implement numerous and constantly evolving measures to try to contain the virus, such as travel bans and restrictions, limits on gatherings, quarantines, shelter-in-place orders, site closures and business shutdowns. These measures have affected the ability of our employees, vendors, and suppliers to perform their respective responsibilities and obligations relative to the conduct of our business. We have important manufacturing operations worldwide that have been impacted by the outbreak. Measures requiring business shutdowns generally exclude certain essential services, and those essential services commonly include critical infrastructure and the businesses that support that critical infrastructure. Because the animal health industry has been designated an essential business, our manufacturing and research facilities remain operational, while our employees in other company functions are primarily working remotely. These measures have impacted and may further impact our workforce and operations, as well as those of our customers, vendors and suppliers.

#### *Supply*

In 2020, we did not experience significant impacts or interruptions to our supply chain as a result of the COVID-19 pandemic. However, as the pandemic continues, we may face supply chain disruptions due to operational difficulties experienced by our suppliers in light of government-ordered restrictions and shelter-in-place mandates. Although we regularly monitor the financial health of companies in our supply chain, the financial hardship on our suppliers caused by the COVID-19 pandemic could cause a disruption in our ability to obtain raw materials or components required to manufacture our products, adversely affecting our operations. Freight processes have experienced, and could continue to experience, lead time disruptions and increases in shipping costs, negatively impacting our profitability.

#### *Demand*

The COVID-19 pandemic has adversely impacted global economic conditions. In particular, the COVID-19 pandemic has created near-term uncertainty for our channel distribution partners with respect to end customer demand and working capital. Based on these factors, in addition to a shift in tactics for demand generation with our distributors, in the first and second quarters of 2020, we reduced the amount of inventory held in the channel. We anticipate that decreases in end customer demand could impact our pet health business, primarily in clinically administered pharmaceutical products such as vaccines, and in international markets, as social distancing guidelines could decrease veterinary visits again in the future, reducing veterinary practice revenue and increasing working capital considerations for all parties in the value chain. If this occurs, even if we are able to increase sales

in our direct to retailer and e-commerce channels, which have been important components of the Bayer Animal Health distribution model, those increases may not compensate for reduced sales through veterinary practices. Further, demand in our direct to retailer and e-commerce channels could be negatively impacted if global economic conditions do not improve or if they deteriorate further.

In our farm animal business, demand has been negatively impacted by processing plant closures, a backlog of animals ready for processing and pressured producer economics, which has and could continue to impact demand for a number of our farm animal products. While the impact has been most significant for the U.S. livestock industry, the pressure has occurred globally and across species. As the pandemic has continued through the beginning of 2021, our business has been affected by lower levels of demand in certain markets due to unfavorable macroeconomic conditions and reduced food service consumption trends. As a result, the industry has seen pressured prices and producer profitability across species, most notably in poultry and aqua. We anticipate that decreases in end consumer demand as compared to prior year will continue to occur, particularly in the farm animal business, into 2021.

Our third party distributors may face difficulties maintaining operations and normal liquidity in light of government-mandated restrictions. Due to liquidity and working capital pressure caused by the COVID-19 pandemic, our distributors are managing inventory more tightly. In response to this along with a shift in tactics for demand generation with our distributors, we reduced channel inventory levels during the first half of 2020 as we tightened our approach across all facets of our distributor relationships. We estimate that this decreased our revenue by approximately \$160 million. These actions have allowed us to improve working capital management, implement new compensation structures with our distributors and enable greater control of overall stock levels. We continue to monitor the impacts on our customers' liquidity and therefore our ability to collect on our accounts receivable. While our allowance on these receivables factors in expected credit losses, continued disruption and declines in the global economy could result in difficulties in our ability to collect, which we have not experienced on a material basis at this time. If significant issues with collections occur, material increases in our allowance for doubtful accounts may be required.

### ***Our Acquisition of Bayer Animal Health***

We have incurred and expect to continue to incur expenses in connection with our acquisition of Bayer Animal Health including fees for professional services such as legal, accounting, consulting, and other advisory fees and expenses. In addition, we have incurred and expect to continue to incur costs related to the build out of processes and systems to support finance and global supply and logistics and to expand administrative functions, including, but not limited to, information technology, facilities management, distribution, human resources, and manufacturing, to replace services previously provided by the former parent company of Bayer Animal Health. We anticipate that these additional costs will be partially offset by expected synergies.

### ***Product Development and New Product Launches***

A key element of our targeted value creation strategy is to drive growth through portfolio development and product innovation, primarily in our three targeted growth categories of PH Disease Prevention, PH Therapeutics and FA Future Protein & Health. Since 2015, we have launched or acquired 14 new products, including the additions of *Entyce*, *Nocita* and *Tanovea* in 2019. Revenue from these products contributed \$440.8 million to revenue for the year ended December 31, 2020. This excludes our most recent acquisition of Bayer Animal Health, which added approximately 65 products to the Elanco portfolio that contributed post-acquisition revenues of \$591.9 million in 2020. The *Advantage Family* and *Seresto* contributed approximately \$151 million and \$84 million, respectively, to our revenues in 2020. We continue to pursue the development of new chemical and biological molecules through our approach to innovation. Our future growth and success depends on both our pipeline of new products, including new products that we may develop through joint ventures and products that we are able to obtain through license or acquisition, and the expansion of the use of our existing products. We believe we are an industry leader in animal health R&D, with a track record of product innovation, business development and commercialization.

### ***Impact of Competition***

The animal health industry is competitive. Established animal health companies which consistently deliver high quality products enjoy brand loyalty from their customers, which often continues after the loss of patent-based or regulatory exclusivity. In animal health, while potentially significant, erosion from generic competition is often not as

steep as in human health, with the originator often retaining a significant market share. However, generic competition can nevertheless significantly affect our results. While our largest product, *Rumensin* (monensin), has been subject to generic competition from monensin internationally for more than 10 years, our revenue from international *Rumensin* sales grew at a CAGR of 1% from 2015 to 2020. In the third quarter of 2019, an established animal health company received U.S. approval for generic monensin in cattle and goats for certain indications. U.S. revenue from *Rumensin* has declined as a result of the generic competition.

Although we believe brand loyalty is an important contributor to a product's ongoing success, our pet health business can also be impacted by competition. For example, our *Advantage Family* products, acquired from Bayer Animal Health, are off-patent in most countries. If our customers increase their use of new or existing generic product alternatives, *Advantage Family* revenues could be adversely affected.

### **Productivity**

Our results during the periods presented have benefited from operational and productivity initiatives implemented following recent acquisitions and in response to changing market demand for antibiotics and other headwinds.

Prior to the acquisition of Bayer Animal Health, our acquisitions within the last six years added in the aggregate \$1.4 billion in revenue, 4,600 full-time employees, 12 manufacturing and eight R&D sites. The acquisition of Bayer Animal Health on August 1, 2020 added 3,900 full-time employees, eight manufacturing sites, and four R&D sites. In addition, from 2015 to 2020, changing market demand for antibiotics and other headwinds, such as competition with generics and innovation, affected some of our highest gross margin products, resulting in a change to our product mix and driving operating margin lower. In response, we implemented a number of initiatives across the manufacturing, R&D and selling, general and administrative (SG&A) functions. Our manufacturing cost savings strategies included improving manufacturing processes and headcount through lean manufacturing (minimizing waste while maintaining productivity), closing three manufacturing sites, consolidating our CMO network, strategically insourcing certain projects, and pursuing cost savings opportunities with respect to raw materials via a new procurement process. Additional cost savings resulted from reducing the number of R&D sites from 16 to nine, SG&A savings from sales force consolidation, and reducing discretionary and other general and administrative (G&A) operating expense.

### **Foreign Exchange Rates**

Significant portions of our revenue and costs are exposed to changes in foreign exchange rates. Our products are sold in more than 90 countries and, as a result, our revenue is influenced by changes in foreign exchange rates. For the years ended December 31, 2020 and 2019, approximately 49% and 44%, respectively, of our revenue was denominated in foreign currencies. As we operate in multiple foreign currencies, including the Euro, British pound, Swiss franc, Brazilian real, Australian dollar, Japanese yen, Canadian dollar, Chinese yuan, and other currencies, changes in those currencies relative to the U.S. dollar impact our revenue, cost of sales and expenses, and consequently, net income. These fluctuations may also affect the ability to buy and sell our products between markets impacted by significant exchange rate variances. Currency movements decreased revenue by 1% and 2% during the years ended December 31, 2020 and 2019, respectively. Currency movements had limited impact on revenue during the year ended December 31, 2018.

## **Components of Revenue and Costs and Expenses**

### **Revenue**

Our revenue is primarily derived from sales of our products to third-party distributors, and directly to food producers, veterinarians, and retailers. For additional information regarding our products, including descriptions of our products, see "Item 1. Business — Products."

We aggregate our products into five categories to understand revenue growth:

- PH Disease Prevention includes parasiticides and vaccine products for dogs and cats;
- PH Therapeutics includes products for the treatment of pain, osteoarthritis, otitis, cardiovascular and dermatology indications in dogs and cats;



- FA Future Protein & Health includes vaccines, antibiotics, parasiticides and other products used in poultry and aquaculture production, as well as functional nutritional health products, including enzymes, probiotics and prebiotics;
- FA Ruminants & Swine includes vaccines, antibiotics, implants, parasiticides, and other products used in ruminants and swine production, as well as certain other farm animal products; and
- Contract Manufacturing represents revenue from arrangements in which we act as a contract manufacturer, including supply agreements associated with divestitures of products related to the acquisition of Bayer Animal Health. This category was previously called Strategic Exits.

### **Costs, Expenses and Other**

*Cost of sales* consists primarily of cost of materials, facilities and other infrastructure used to manufacture our products, shipping and handling, inventory losses and expired products.

*Marketing, selling and administrative expenses* consist of, among other things, the costs of marketing, promotion and advertising and the costs of administration (business technology, facilities, legal, finance, human resources, business development, external affairs and procurement).

*Amortization of intangible assets* consists of the amortization expense for intangible assets that have been acquired through business combinations.

*R&D expenses* consist of project costs specific to new product R&D and product lifecycle management, overhead costs associated with R&D operations, regulatory, product registrations and investments that support local market clinical trials for approved indications. We manage overall R&D based on our strategic opportunities and do not disaggregate our R&D expenses incurred by nature or by product as we do not use or maintain such information in managing our business.

*Asset impairment, restructuring and other special charges* consist primarily of impairment of long-term assets, restructuring charges, costs associated with acquiring and integrating businesses, and certain non-recurring expenses, including costs related to the build out of processes and systems to support finance and global supply and logistics, among others, to stand our organization up as an independent company.

*Interest expense, net of capitalized interest* consists of interest incurred on our long-term debt.

*Other expense (income), net* consists primarily of various items including net (gains)/losses on asset disposals, unrealized foreign exchange translation (gains)/losses, (gains)/losses on equity investments and loss or impairment on other investments.

### **Comparability of Historical Results**

Our historical results of operations for the periods presented may not be comparable with prior periods or with our results of operations in the future, due to many factors, included but not limited to the factors identified in "Key Trends and Conditions Affecting Our Results of Operations."

### **Our Relationship with Lilly and Additional Standalone Costs**

We are currently investing in expanding our own administrative functions, including, but not limited to, information technology, facilities management, distribution, human resources, and manufacturing, to replace services previously provided by Lilly. Because of initial stand up costs and overlaps with services previously provided by Lilly, we have incurred and expect to continue to incur certain temporary, duplicative expenses in connection with the Separation. We have also incurred and expect to continue to incur costs related to the build out of processes and systems to support finance and global supply and logistics, among others. We currently estimate these costs taken together to be in a range from \$280 million to \$320 million, net of completed and potential real estate dispositions and employee benefit changes, of which a portion will be capitalized and the remainder will be expensed.

As a result of the IPO, we became subject to the reporting requirements of the Securities Exchange Act of 1934, as amended, and the Sarbanes-Oxley Act of 2002. We continue to establish and expand additional procedures and

practices as a standalone public company. As a result, we continue to incur additional costs as a standalone public company compared to the prior period, including internal audit, external audit, investor relations, stock administration, stock exchange fees and regulatory compliance costs.

### Other Recent Acquisitions

Our financial results have been impacted by other recent acquisitions and integrations. For the periods presented, these include primarily the acquisitions and integrations of Aratana Therapeutics, Inc., which closed on July 18, 2019, and Prevtect Microbia Inc., which closed on July 31, 2019. For more information, see Note 6: Acquisitions and Divestitures to our consolidated and combined financial statements.

### Asset Impairment, Restructuring and Other Special Charges

During the years ended December 31, 2020, 2019 and 2018 including in connection with the productivity initiatives described above under "Key Trends and Conditions Affecting Our Results of Operations - Productivity," we incurred charges related to asset impairment, restructuring and other special charges, including integration of acquired businesses. These charges include severance costs resulting from actions taken to reduce our costs, asset impairment charges primarily related to competitive pressures for certain pet health products, product rationalizations, site closures and integration costs related to acquired businesses, primarily Bayer Animal Health, and costs related to the build out of processes and systems to support finance and global supply and logistics, among others, as we stand our organization up as an independent company.

For more information on these charges, see Note 7: Asset Impairment, Restructuring and Other Special Charges to our consolidated and combined financial statements.

### Results of Operations

The following discussion and analysis of our consolidated and combined statements of operations should be read along with our consolidated and combined financial statements and the notes thereto included elsewhere in this report. For more information, see Note 2: Basis of Presentation to our consolidated and combined financial statements.

(Dollars in millions)	Year Ended December 31,			% Change	
	2020	2019	2018	20/19	19/18
Revenue	\$ 3,273.3	\$ 3,071.0	\$ 3,066.8	7%	—%
Costs, expenses and other:					
Cost of sales	1,666.6	1,470.3	1,573.8	13%	(7)%
% of revenue	51%	48%	51%		
Research and development	327.0	270.1	246.6	21%	10%
% of revenue	10%	9%	8%		
Marketing, selling and administrative	996.6	760.2	735.2	31%	3%
% of revenue	30%	25%	24%		
Amortization of intangible assets	359.9	200.4	197.4	80%	2%
% of revenue	11%	7%	6%		
Asset impairment, restructuring and other special charges	623.7	185.5	128.8	236%	44%
Interest expense, net of capitalized interest	149.8	78.9	29.6	90%	167%
Other expense (income), net	(178.3)	27.4	41.3	NM	NM
Income (loss) before taxes	(672.0)	78.2	114.1	NM	NM
% of revenue	(21)%	3%	4%		
Income tax expense (benefit)	(111.9)	10.3	27.6	NM	(63)%
Net income (loss)	\$ (560.1)	\$ 67.9	\$ 86.5	NM	NM

Certain amounts and percentages may reflect rounding adjustments.

NM - Not meaningful

## Disaggregated Revenue

On a global basis, our revenue within our product categories was as follows:

(Dollars in millions)	Year Ended December 31,			% Change	
	2020	2019	2018	20/19	19/18
PH Disease Prevention	\$ 992.7	\$ 787.9	\$ 804.6	26%	(2)%
PH Therapeutics	365.8	348.0	283.1	5%	23%
FA Future Protein & Health	734.1	745.1	711.2	(1)%	5%
FA Ruminants & Swine	1,100.5	1,110.3	1,174.0	(1)%	(5)%
Subtotal	3,193.1	2,991.3	2,972.9	7%	1%
Contract Manufacturing <sup>(1)</sup>	80.2	79.7	93.9	1%	(15)%
Total	\$ 3,273.3	\$ 3,071.0	\$ 3,066.8	7%	0%

(1) Represents revenue from arrangements in which we act as a contract manufacturer, including supply agreements associated with divestitures of products related to the acquisition of Bayer Animal Health. This category was previously called Strategic Exits.

On a global basis, the effect of price, foreign exchange rates and volumes on changes in revenue as compared to the prior year was as follows:

Full year 2020 (Dollars in millions)	Revenue	Price	FX Rate	Legacy Elanco Volume	Bayer Animal Health Volume	Total	CER*
PH Disease Prevention	\$ 992.7	6%	—%	(18)%	38%	26%	26%
PH Therapeutics	365.8	2%	—%	(8)%	11%	5%	5%
FA Future Protein & Health	734.1	3%	(2)%	(8)%	6%	(1)%	1%
FA Ruminants & Swine	1,100.5	1%	(1)%	(17)%	16%	(1)%	—%
Core Revenue	3,193.1	3%	(1)%	(14)%	19%	7%	8%
Contract Manufacturing	80.2	1%	(2)%	(32)%	34%	1%	3%
Total	\$ 3,273.3	3%	(1)%	(15)%	20%	7%	8%

Full year 2019 (Dollars in millions)	Revenue	Price	FX Rate	Volume	Total	CER*
PH Disease Prevention	\$ 787.9	1%	(1)%	(2)%	(2)%	(1)%
PH Therapeutics	348.0	5%	(2)%	20%	23%	25%
FA Future Protein & Health	745.1	4%	(3)%	4%	5%	8%
FA Ruminants & Swine	1,110.3	1%	(2)%	(5)%	(5)%	(4)%
Core Revenue	2,991.3	2%	(2)%	1%	1%	3%
Contract Manufacturing	79.7	—%	—%	(15)%	(15)%	(15)%
Total	\$ 3,071.0	2%	(2)%	—%	—%	2%

Note: Numbers may not add due to rounding

\*CER = Constant exchange rate

## Revenue

PH Disease Prevention revenue increased by \$204.8 million or 26%, primarily driven by the addition of Bayer Animal Health product revenue of \$300.0 million, including *Seresto* and the *Advantage Family*, and price increases across the legacy Elanco portfolio. The volume decrease in the legacy Elanco business was the result of actions taken across brands to reduce channel inventory levels, a decrease in demand for older generation parasiticides as a result of competitor innovation, decreased demand in veterinary products as a result of the COVID-19 pandemic, an unfavorable comparison to the prior period which included an initial stocking for a new customer agreement in the third quarter of 2019 and the impact from products divested in the third quarter of 2020 as part of antitrust

considerations for the Bayer Animal Health acquisition, partially offset by increases in sales through alternative channels outside vet clinics and increased demand for *Credelio* and vaccines.

PH Therapeutics revenue increased by \$17.8 million or 5%, driven by an increase in revenue from Bayer Animal Health products totaling \$38.9 million as a result of the acquisition, price increases across the legacy Elanco portfolio and the inclusion of sales for *Entyce* and *Nocita* from the acquisition of Aratana beginning in the third quarter of 2019. The volume decrease in the legacy Elanco business was a result of actions taken across brands to reduce channel inventory levels, an unfavorable comparison to the prior period which included an initial stocking for a new customer agreement in the third quarter of 2019, and the impact from products divested in the third quarter of 2020 as part of antitrust considerations for the Bayer Animal Health acquisition, partially offset by volume growth in the pain portfolio, including *Galliprant*.

FA Future Protein & Health revenue decreased by \$11.0 million or 1%, driven by decreased volume in the legacy Elanco portfolio and an unfavorable impact from foreign exchange rates, partially offset by the addition of Bayer Animal Health product revenue of \$43.4 million and price increases across the legacy Elanco portfolio. The decrease in legacy Elanco volume was driven by lower levels of demand in certain markets due to the negative impact of the COVID-19 pandemic on poultry and aqua consumption, production, and profitability, as well as an unfavorable comparison to the prior period as a result of the sale of the remaining inventory of a product that was phased out in China.

FA Ruminants & Swine revenue decreased by \$9.8 million or 1%, driven by decreased volume in the legacy Elanco portfolio and an unfavorable impact from foreign exchange rates, partially offset by the addition of Bayer Animal Health product revenue of \$182.7 million and to a lesser extent an increase in price across the legacy Elanco portfolio. The legacy Elanco volume decrease was driven by reduced demand as a result of the impact of the COVID-19 pandemic on global protein markets, primarily *Optaflexx*, and actions taken across brands to reduce channel inventory levels, primarily *Rumensin*. Volume was impacted by generic competition for *Rumensin*, trade pressure affecting *Paylean*, and an unfavorable comparison to the prior period as a result of lower sales from the commercial agreement for *Posilac*. Additionally, higher demand in China's swine market with favorable producer economics and positive efforts to repopulate herds impacted by African Swine Fever in 2019 was a partial offset to other revenue declines.

Contract Manufacturing revenue increased by \$0.5 million to \$80.2 million and represented 2% of total revenue. Contract Manufacturing revenue for the period includes \$26.9 million resulting from the acquisition of Bayer Animal Health.

### **Cost of sales**

Cost of sales increased \$196.3 million in 2020 as compared to 2019 due primarily to increased revenues and the amortization of the fair value adjustment to inventory of \$90.1 million due to the acquisition of Bayer Animal Health, partially offset by manufacturing productivity improvements. Cost of sales as a percent of revenues increased to 50.9% from 47.9%, primarily due to the amortization of the fair value adjustment to inventory due to the acquisition of Bayer Animal Health, along with unfavorable product and geographic mix and unfavorable leverage of fixed manufacturing costs across a lower revenue base from the legacy Elanco portfolio, partially offset by continued improvements in manufacturing productivity and increases in price. Excluding the amortization of the inventory fair value adjustment, cost of sales would have been approximately 48.2% of revenue.

### **Research and development**

R&D expenses increased \$56.9 million to \$327.0 million for 2020 as compared to 2019 primarily due to the acquisition of Bayer Animal Health and investments in our pipeline, partially offset by strong expense management and adjustments to variable pay.

### **Marketing, selling and administrative**

Marketing, selling and administrative expenses were \$996.6 million in 2020, an increase of \$236.4 million compared to 2019, primarily due to the acquisition of Bayer Animal Health, re-investment in our *Credelio* and *Galliprant* commercialization efforts in China and additional costs from acquired businesses in 2019, including Aratana and Prevtect, partially offset by disciplined cost management across the business as we have moved primarily to virtual operations due to the COVID-19 pandemic and adjustments to variable pay.

### ***Amortization of intangible assets***

Amortization of intangible assets increased \$159.5 million to \$359.9 million for 2020 as compared to 2019, primarily due to the addition of amortization of intangible assets recorded from the acquisition of Bayer Animal Health during 2020.

### ***Asset impairment, restructuring and other special charges***

For additional information regarding our asset impairment, restructuring and other special charges, see Note 7: Asset Impairment, Restructuring and Other Special Charges to our consolidated and combined financial statements.

Asset impairment, restructuring and other special charges increased \$438.2 million to \$623.7 million in 2020 as compared to 2019, primarily due to severance associated with the restructuring program announced during the third quarter of 2020 as well as higher transaction costs directly related to business acquisitions, including the acquisition of Bayer Animal Health, higher integration costs of acquisitions, and costs associated with the implementation of new systems, programs, and processes due to the Separation from Lilly and in connection with the acquisition of Bayer Animal Health, as more fully described in Note 7.

### ***Interest expense, net of capitalized interest***

Interest expense increased \$70.9 million to \$149.8 million for the year ended December 31, 2020, primarily due to incremental interest as well as debt issuance costs associated with the term loan B used to finance the Bayer Animal Health acquisition, partially offset by a decrease related to the repayment of indebtedness outstanding under our existing term loan facility during the first quarter of 2020.

### ***Other expense (income), net***

Other expense (income), net was \$178.3 million in income for 2020 compared to an expense of \$27.4 million in 2019. Other income recorded in 2020 is composed of \$156.7 million of gains recorded on the divestitures of certain products (see Note 6: Acquisitions and Divestitures for further discussion), the \$45.6 million gain on the sale of land and buildings in New South Wales, Australia (see Note 14: Leases for further discussion), \$11.0 million of increases in the fair value of equity investments, and \$3.9 million of decreases in the fair value of the Prevtex contingent consideration (see Note 11: Financial Instruments and Fair Value for further discussion). We also recorded \$36.3 million of expense related to financing commitment and advisory fees associated with the execution of the Bayer Animal Health acquisition.

### ***Income tax expense***

Our historical income tax expense may not be indicative of our future expected tax rate. See “Comparability of Historical Results” for further discussion.

Income tax expense was a benefit of \$111.9 million, which was a decrease of \$122.2 million in 2020 as compared to 2019. This is primarily due to a pre-tax loss, partially offset by a non-cash charge of \$74.9 million relating to the establishment of valuation allowances on U.S. deferred tax assets. See Note 16: Income Taxes to our consolidated and combined financial statements.

### ***Liquidity and Capital Resources***

Our primary sources of liquidity are cash on hand, cash flows from operations and funds available under our Credit Facilities. As a significant portion of our business is conducted internationally, we hold a significant portion of cash outside of the U.S. We monitor and adjust the amount of foreign cash based on projected cash flow requirements. Our ability to use foreign cash to fund cash flow requirements in the U.S. may be impacted by local regulations and, to a lesser extent, following U.S. tax reforms, the income taxes associated with transferring cash to the U.S. See Note 16: Income Taxes to our consolidated and combined financial statements. We currently intend to indefinitely reinvest foreign earnings for continued use in our foreign operations. As our structure evolves as a standalone company, we may change that strategy, particularly to the extent we identify tax efficient reinvestment alternatives for our foreign earnings or change our cash management strategy.

We believe our primary sources of liquidity are sufficient to fund our short-term and long-term existing and planned capital requirements, which include working capital obligations, funding existing marketed and pipeline products, capital expenditures, business development in our targeted areas, short-term and long-term debt obligations which include principal and interest payments as well as interest rate swaps, operating lease payments, purchase obligations, and costs associated with the integration of the animal health business of Bayer. In addition, we have the ability to access capital markets to obtain debt refinancing for longer-term funding, if required, to service our long-term debt obligations. Further, we believe we have sufficient cash flow and liquidity to remain in compliance with our debt covenants.

Our ability to meet future funding requirements may be impacted by macroeconomic, business and financial volatility. As markets change, we will continue to monitor our liquidity position. However, a challenging economic environment or an economic downturn may impact our liquidity or ability to obtain future financing. See "Item 1A. Risk Factors - We may not be able to generate sufficient cash to service all of our indebtedness and may be forced to take other actions to satisfy our obligations under our indebtedness, which may not be successful."

As of December 31, 2020, cash and cash equivalents was \$494.7 million, an increase of \$160.7 million compared to \$334.0 million at December 31, 2019. We also held \$10.7 million of restricted cash at December 31, 2020, which is available solely to pay the remainder of the purchase for our businesses to Lilly. We have a corresponding liability recorded on our consolidated balance sheet and included in Payable to Lilly. Refer to the Consolidated and Combined Statements of Cash Flows for additional details on the significant sources and uses of cash for the years ended December 31, 2020, 2019 and 2018.

## Cash Flows

The following table provides a summary of cash flows from operating, investing and financing activities for the periods presented:

(Dollars in millions)	Year Ended December 31,			\$ Change	
	2020	2019	2018	20/19	19/18
<b>Net cash provided by (used for):</b>					
Operating activities	\$ (41.0)	\$ 224.1	\$ 487.3	\$ (265.1)	\$ (263.2)
Investing activities	(4,779.2)	(234.8)	(127.0)	(4,544.4)	(107.8)
Financing activities	4,953.9	(304.8)	(35.2)	5,258.7	(269.6)
Effect of exchange-rate changes on cash and cash equivalents	26.6	(16.9)	29.0	43.5	(45.9)
Net (decrease) increase in cash, cash equivalents and restricted cash	<u>\$ 160.3</u>	<u>\$ (332.4)</u>	<u>\$ 354.1</u>	\$ 492.7	\$ (686.5)

### Operating activities

Our cash flow from operating activities decreased by \$265.1 million from cash provided by operating activities of \$224.1 million for the year ended December 31, 2019 to cash used for operating activities of \$41.0 million for the year ended December 31, 2020. The decrease in operating cash flows was primarily attributable to a decrease in net income from year to year. Cash flows from operating activities during the year ended December 31, 2020 also decreased due to increases in accounts receivable, inventories and other assets, the impact of which was partially offset by increases in accounts payable and other current liabilities. The COVID-19 global health pandemic and related economic downturn led to an increase in customer accounts receivable that were past due at the end of the first quarter of 2020; however, customer collections improved throughout the remainder of the year and payment terms decreased. In the past, we have extended our payment terms for distributors on occasion. Although we presently have no plans to do so in the future, it is possible that we will need to extend payment terms in certain situations as a result of the COVID-19 global health pandemic, competitive pressures and the need for certain inventory levels at our channel distributors to avoid supply disruptions. If so, such extensions of customer payment terms could result in additional uses of our cash flow.

### Investing activities

Our cash flow used for investing activities increased \$4,544.4 million, to \$4,779.2 million for the year ended December 31, 2020 compared to \$234.8 million for the year ended December 31, 2019. The change was primarily

driven by acquisition payments resulting from \$5,170.1 million of cash consideration paid to acquire Bayer Animal Health, partially offset by cash acquired of \$168.8 million, as well as a \$119.3 million increase in purchases of software as compared to prior year. The impact of these items was partially offset by proceeds of \$434.7 million and \$32.7 million from product divestitures required to close the acquisition of Bayer Animal Health and the net investment hedge settlement, respectively.

### **Financing activities**

Our cash provided by financing activities was \$4,953.9 million in 2020 as compared to cash used for financing activities of \$304.8 million in 2019. Cash provided by financing activities in 2020 consists of proceeds from our borrowings under the term loan B and issuances of common stock and tangible equity units to finance the acquisition of Bayer Animal Health, partially offset by the retirement of our term loan A credit facility and prepayments on our new term loan B credit facility. Cash used for financing activities during 2019 reflected \$121.1 million of payments on our term credit facility as well as \$191.6 million of payments to Lilly in connection with local country asset purchases and other financing activities related to the Separation.

### **Capital Expenditures and Software Purchases**

Capital expenditures were \$134.6 million during 2020, a decrease of \$5.8 million compared to 2019. Purchases of software were \$176.3 million during 2020, an increase of \$119.3 million compared to 2019. We expect 2021 capital expenditures and software purchases to be approximately \$170 million to \$200 million.

### **Description of Indebtedness**

For a complete description of our debt and available credit facilities as of December 31, 2020, see Note 10: Debt to our consolidated and combined financial statements.

### **Off Balance-Sheet Arrangements**

Other than the commitments and contingencies disclosed in Note 16: Commitments and Contingencies, we had no off-balance sheet arrangements that have, or are reasonably likely to have, a current or future material effect on our financial condition, results of operations, or liquidity.

### **Contractual Obligations**

Our contractual obligations and commitments as of December 31, 2020 are primarily comprised of long-term debt obligations, including interest payments, and purchase obligations.

Our long-term debt obligations are comprised of our expected principal and interest obligations and our interest rate swaps. Payments due under our long-term debt obligations based on scheduled maturity dates are as follows:

(Dollars in millions)	Total	Years			
		Less than 1 year	1 - 3 Years	4 - 5 Years	More Than 5 Years
Long-term debt obligations, including interest payments	\$7,413.6	\$ 758.6	\$ 1,211.5	\$ 1,163.1	\$ 4,280.4

We used current period assumptions for interest rates to compute expected interest payments on variable rate debt instruments and swaps.

Purchase obligations consist of open purchase orders as of December 31, 2020 and contractual payment obligations with significant vendors which are noncancelable and are not contingent. These obligations are primarily short-term in nature.

### **Critical Accounting Policies**

The preparation of financial statements in accordance with U.S. GAAP requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses. Certain of our accounting

policies are considered critical because these policies are the most important to the depiction of our financial statements and require significant, difficult or complex judgments by us, often requiring the use of estimates about the effects of matters that are inherently uncertain. Actual results that differ from our estimates could have an unfavorable effect on our financial position and results of operations. We apply estimation methodologies consistently from year to year. The following is a summary of accounting policies that we consider critical to the consolidated and combined financial statements.

### **Revenue Recognition**

Our gross product revenue is subject to deductions that are generally estimated and recorded in the same period that the revenue is recognized and that primarily represent revenue incentives (rebates and discounts) and sales returns. For example:

- for revenue incentives, we use our historical experience with similar incentives programs and current sales data and estimates of inventory levels at our channel distributors to evaluate the impact of such programs on revenue and continually monitor the impact of this experience and adjust as necessary; and
- for sales returns, we consider items such as: local returns policies and practices; returns as a percentage of revenue; an understanding of the reasons for past returns; estimated shelf life by product; and estimate of the amount of time between shipment and return to estimate the impact of sales returns.

If any of our ratios, factors, assessments, experiences or judgments are not indicative or accurate predictors of our future experience, our results could be materially affected.

Although the amounts recorded for these revenue deductions are dependent on estimates and assumptions, historically our adjustments to actual results have not been material. The sensitivity of our estimates can vary by program, type of customer and geographic location. Amounts recorded for revenue deductions can result from a complex series of judgments about future events and uncertainties and can rely on estimates and assumptions.

See Note 4: Summary of Significant Accounting Policies to our consolidated and combined financial statements for further discussion regarding our revenue recognition policy.

### **Acquisitions and Fair Value**

We account for the assets acquired and liabilities assumed in an acquisition based on their respective fair values as of the acquisition date. The excess of the purchase price over the fair value of the acquired net assets, where applicable, is recorded as goodwill.

The judgments made in determining estimated fair values assigned to assets acquired and liabilities assumed in a business combination, as well as estimated asset lives, can materially affect our consolidated and combined results of operations. The fair values of intangible assets are determined using information available at the acquisition date based on expectations and assumptions that are deemed reasonable by management. These fair value estimates require significant judgment with respect to future volume and prices, use of working capital, the selection of appropriate discount rates, product mix, income tax rates and other assumptions and estimates. Such estimates and assumptions are determined based upon our business plans and when applicable, market participants' views of us and other similar companies. Depending on the facts and circumstances, we may deem it necessary to engage an independent valuation expert to assist in valuing significant assets and liabilities.

We determine fair value of any contingent consideration liability that results from a business combination by utilizing a market approach (i.e., based on quoted market values, significant other observable inputs for identical or comparable assets or liabilities) a discounted cash flow analysis, or a Monte Carlo simulation (i.e., based on multiple potential financial outcomes using estimated variables such as expected revenues, growth rates, and a discount rate). Estimating the fair value of contingent consideration requires the use of significant estimates and judgments, including, but not limited to, revenue and the discount rate and will be remeasured every reporting period.

### **Impairment of Indefinite-Lived and Long-Lived Assets**

We review the carrying value of long-lived assets (both intangible and tangible) for potential impairment on a periodic basis and whenever events or changes in circumstances indicate the carrying value of an asset (or asset



group) may not be recoverable. We identify impairment by comparing the projected undiscounted cash flows to be generated by the asset (or asset group) to its carrying value. If an impairment is identified, a loss is recorded equal to the excess of the asset's net book value over its fair value utilizing a discounted cash flow analysis, and the cost basis is adjusted.

Goodwill and indefinite-lived intangible assets are reviewed for impairment at least annually and when certain impairment indicators are present. When required, a comparison of fair value to the carrying amount of assets is performed to determine the amount of any impairment.

The estimated cash flows and fair values used in our impairment reviews require significant judgment with respect to future volume; use of working capital; foreign currency exchange rates; the selection of appropriate discount rates; product mix; income tax rates and other assumptions and estimates. Such estimates and assumptions are determined based upon our business plans and when applicable, market participants' views of us and other similar companies. We make these judgments based on our historical experience, relevant market size, historical pricing of similar products and expected industry trends. These assumptions are subject to change in future periods because of, among other things, additional information, financial information based on further historical experience, changes in competition, our investment decisions, volatility in foreign currency exchange rates, and results of research and development. A change in these assumptions or the use of alternative estimates and assumptions could have a significant impact on the estimated fair values of the assets, and may result in an impairment of the existing assets in a future period.

During the years ended December 31, 2020, 2019 and 2018, we recorded asset impairments of \$17.5 million, \$15.4 million and \$81.9 million, respectively, primarily due to product rationalization or changes in business strategy. For more information related to our impairment charges, see Note 7: Asset Impairment, Restructuring and Other Special Charges to our consolidated and combined financial statements.

#### **Deferred Tax Asset Valuation Allowances**

We maintain valuation allowances unless it is more likely than not that all or a portion of the deferred tax asset will be realized. Changes in valuation allowances are included in our tax provision in the period of change. In determining whether a valuation allowance is warranted, we evaluate factors such as prior earnings history, expected future earnings, carryback and carryforward periods, amount and availability of taxable temporary differences, and tax strategies that could potentially enhance the likelihood of realization of a deferred tax asset. The realizability assessments made at a given balance sheet date are subject to change in the future, particularly if earnings of a subsidiary are significantly higher or lower than expected, or if we take operational or tax planning actions that could impact the future taxable earnings of a subsidiary. A change in these assumptions may result in an increase or decrease in the realizability of our existing deferred tax assets, and therefore a change in the valuation allowance, in future periods. Concluding that a valuation allowance is not required is difficult when there is significant negative evidence which is objective and verifiable, such as cumulative losses in recent years. We prepare a rolling three-year cumulative pre-tax book income or loss analysis adjusted for certain permanent book to tax differences as a measure of our cumulative results in recent years. In the U.S. and certain foreign jurisdictions, our analysis indicates that we have cumulative three-year historical losses on this basis. This is considered significant negative evidence which is objective and verifiable and therefore, difficult to overcome. However, the three-year cumulative loss position is not solely determinative and accordingly, we consider all other available positive and negative evidence in our analysis. In making such judgments, significant weight is given to evidence that can be objectively verified.

As of December 31, 2020 and 2019, we had valuation allowances of \$94.4 million and \$32.7 million, respectively. In recent years we have incurred pre-tax losses in the U.S. primarily as a result of transaction, restructuring, integration and other costs as well the negative impacts of the COVID-19 pandemic. As a result, we have concluded that it is "more likely than not" that we will not be able to utilize a portion of the U.S. deferred tax assets and have established a valuation allowance of \$74.9 million against these deferred tax assets. Under current tax laws, the valuation allowance will not limit our ability to utilize U.S. deferred tax assets provided we can generate sufficient future taxable income in the U.S. We anticipate that we will continue to record a valuation allowance against the losses until such time as we are able to determine it is "more-likely-than-not" the deferred tax asset will be realized.

## Quantitative and Qualitative Disclosures About Market Risk

### Foreign Exchange Risk

We operate on a global basis and are exposed to the risk that our earnings, cash flows and equity could be adversely impacted by fluctuations in foreign exchange rates. We are primarily exposed to foreign exchange risk with respect to net assets denominated in the Euro, British pound, Swiss franc, Brazilian real, Australian dollar, Japanese yen, Canadian dollar, and Chinese yuan.

We face foreign currency exchange exposures when we enter into transactions arising from subsidiary trade and loan payables and receivables denominated in foreign currencies and purchases of local subsidiaries due to local regulations as a result of the acquisition of Bayer Animal Health. We also face currency exposure that arises from translating the results of our global operations to the U.S. dollar at exchange rates that have fluctuated from the beginning of the period. We may enter into foreign currency forward or option derivative contracts to reduce the effect of fluctuating currency exchange rates in future periods.

We estimate that a hypothetical 10% adverse movement in all foreign currency exchange rates related to the translation of the results of our foreign operations would decrease our net income by approximately \$15.9 million for the year ended December 31, 2020.

### Interest Risk

Borrowings under our new term loan facility are exposed to interest rate fluctuations based on LIBOR. As of December 31, 2020, we held certain interest rate swap agreements with a notional value of \$4.05 billion that have the economic effect of modifying the variable-interest obligations associated with the new term loan facility, so that a portion of the variable-rate interest payable becomes fixed. During the year ended December 31, 2020, we recorded a loss of \$60.4 million, net of taxes on these interest rate swaps in other comprehensive loss. The loss is primarily attributable to market conditions resulting from the COVID-19 pandemic and the resulting cut to interest rates by the U.S. Federal Reserve in the first quarter of 2020. See Note 11: Financial Instruments and Fair Value for further information.

### Recently Issued Accounting Pronouncements

For discussion of our new accounting standards, see Note 4: Summary of Significant Accounting Policies - Implementation of New Financial Accounting Pronouncements to our consolidated and combined financial statements.

## ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

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You can find quantitative and qualitative disclosures about market risk (e.g., interest rate risk) at Item 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations - Liquidity and Capital Resources - Quantitative and Qualitative Disclosures About Market Risk.” That information is incorporated in this Item 7A by reference.

## ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

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### Report of Independent Registered Public Accounting Firm

To the Shareholders and the Board of Directors of Elanco Animal Health Incorporated

#### Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Elanco Animal Health Incorporated (the Company) as of December 31, 2020 and 2019, the related consolidated and combined statements of operations, comprehensive income (loss), equity and cash flows for each of the three years in the period ended December 31, 2020, and the related notes (collectively referred to as the “consolidated and combined financial statements”). In our opinion, the consolidated and combined financial statements present fairly, in all material respects, the financial position of the Company at December 31, 2020 and 2019, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2020, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company’s internal control over financial reporting as of December 31, 2020, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework), and our report dated March 1, 2021 expressed an unqualified opinion thereon.

#### 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 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. 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.

#### Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated and combined financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

### **Sales rebates and discounts**

*Description of  
the matter*

At December 31, 2020, the Company's US sales rebates and discounts liability totaled \$153.6 million. As explained in Note 5 to the consolidated and combined financial statements, the Company estimates a sales rebates and discounts liability for direct customers and other indirect customers in the distribution chain under the terms of their arrangements using the expected value approach. The sales rebates and discounts are recorded as a deduction to revenue at the time the Company recognizes a sale to a customer.

Auditing the sales rebates and discounts liability in the US is complex because of the level of subjectivity involved in management's assumptions used in the measurement process and the volume of rebate programs offered. For example, estimates of the expected rebate rates based on projected sales volumes derived from current sales data and recent trends, estimates of future rebates to be paid to indirect customers in the distribution chain based on inventory volumes and historical experience with similar rebate incentive programs.

*How we  
addressed the  
matter in our  
audit*

We tested the Company's internal controls over the sales rebates and discounts liability process. This included testing controls over management's review of the significant assumptions in the estimation of sales rebates and discounts, including rebate rates by product category, sales in to and out of the distribution channel, and channel inventory levels.

To test the Company's sales rebates and discounts liability, our audit procedures included, among others, evaluating the assumptions discussed above and testing the completeness and accuracy of the underlying data used in management's expected value analysis. For example, we compared the significant assumptions to third-party reports used by the Company to estimate indirect sales volumes during the period. Furthermore, we confirmed product remaining in the distribution channel at period end. In addition, we inspected the underlying direct and indirect customer rebate programs and compared the rebate percentages used in the Company's analyses with the program percentages. Additionally, we assessed the historical accuracy of management's sales rebates and discounts estimates by comparing the prior period sales rebates and discounts liability to the amount of actual payments made in subsequent periods. We also performed independent calculations of the rebate accruals and a sensitivity analysis of certain significant assumptions to evaluate the change in the sales rebates and discounts liability resulting from changes in the assumptions.

### **Acquisition of Bayer Animal Health**

*Description of  
the matter*

During 2020, the Company completed its acquisition of Bayer Animal Health for total consideration of \$6,787.0 million, as disclosed in Note 6 to the consolidated and combined financial statements. The acquisition was accounted for as a business combination. Auditing the Company's accounting for its acquisition of Bayer Animal Health was complex due to the significant estimation uncertainty in determining the fair value of identified intangible assets, which principally consisted of intellectual property related to marketed products of \$3,950.0 million. The significant estimation uncertainty was primarily due to the sensitivity of the respective fair values to the significant underlying assumptions about the future performance of the acquired business. The Company used a discounted cash flow model to measure the intellectual property related to marketed product intangible assets. The significant assumptions used to estimate the value of these intangible assets included certain assumptions that form the basis of the forecasted results (e.g., revenue growth rates and EBITDA margins). These significant assumptions are forward-looking and could be affected by future economic and market conditions.

*How we  
addressed the  
matter in our  
audit*

We tested the Company's controls over its accounting for acquisitions. This included testing controls over the recognition and measurement of consideration transferred and related intangible assets, including the valuation models and underlying assumptions discussed above used to develop such estimates.

To test the estimated fair value of the intellectual property related to marketed product intangible assets our audit procedures included, among others, evaluating the Company's use of the income approach and testing the significant assumptions discussed above used in the models, including the completeness and accuracy of the underlying data. For example, we compared the forecasted revenue and EBITDA margins to current industry and economic trends as well as the historic financial performance of the acquired business. We also performed sensitivity analyses of the significant assumptions to evaluate the changes in the fair value of the intangible assets resulting from changes in the assumptions. We involved our valuation specialists to assist in our evaluation of the methodology used by the Company and certain assumptions included in the fair value estimates.

/s/ Ernst & Young LLP

We have served as the Company's auditor since 2017.

Indianapolis, Indiana  
March 1, 2021

**Elanco Animal Health Incorporated**  
**Consolidated and Combined Statements of Operations**  
(in millions, except per-share data)

	Year Ended December 31,		
	2020	2019	2018
Revenue	\$ 3,273.3	\$ 3,071.0	\$ 3,066.8
Costs, expenses and other:			
Cost of sales	1,666.6	1,470.3	1,573.8
Research and development	327.0	270.1	246.6
Marketing, selling and administrative	996.6	760.2	735.2
Amortization of intangible assets	359.9	200.4	197.4
Asset impairment, restructuring and other special charges	623.7	185.5	128.8
Interest expense, net of capitalized interest	149.8	78.9	29.6
Other expense (income), net	(178.3)	27.4	41.3
	<u>3,945.3</u>	<u>2,992.8</u>	<u>2,952.7</u>
Income (loss) before income taxes	(672.0)	78.2	114.1
Income tax expense (benefit)	(111.9)	10.3	27.6
Net income (loss)	<u>\$ (560.1)</u>	<u>\$ 67.9</u>	<u>\$ 86.5</u>
Earnings (loss) per share:			
Basic	\$ (1.27)	\$ 0.18	\$ 0.28
Diluted	\$ (1.27)	\$ 0.18	\$ 0.28
Weighted average shares outstanding:			
Basic	441.4	369.0	313.7
Diluted	441.4	370.3	313.7

See notes to consolidated and combined financial statements.

**Elanco Animal Health Incorporated**  
**Consolidated and Combined Statements of Comprehensive Income (Loss)**  
(in millions)

	Year Ended December 31,		
	2020	2019	2018
Net income (loss)	\$ (560.1)	\$ 67.9	\$ 86.5
Other comprehensive income (loss):			
Unrealized loss on derivatives for cash flow hedges, net of taxes	(60.4)	—	—
Foreign currency translation	558.2	19.8	(47.1)
Defined benefit pension and retiree health benefit plans, net of taxes	(21.1)	28.7	25.4
Other comprehensive income (loss), net of taxes	476.7	48.5	(21.7)
Comprehensive income (loss)	<u>\$ (83.4)</u>	<u>\$ 116.4</u>	<u>\$ 64.8</u>

See notes to consolidated and combined financial statements.

**Elanco Animal Health Incorporated**  
**Consolidated Balance Sheets**  
(in millions)

	December 31, 2020	December 31, 2019
<b>Assets</b>		
<i>Current Assets</i>		
Cash and cash equivalents	\$ 494.7	\$ 334.0
Accounts receivable, net of allowances of \$8.5 (2020) and \$6.2 (2019)	871.6	816.9
Other receivables	205.1	73.0
Inventories	1,578.1	1,050.7
Prepaid expenses and other	256.3	87.4
Restricted cash (Note 21)	10.7	11.1
<b>Total current assets</b>	<b>3,416.5</b>	<b>2,373.1</b>
<i>Noncurrent Assets</i>		
Goodwill	6,224.8	2,989.6
Other intangibles, net	6,387.3	2,482.8
Other noncurrent assets	347.8	185.0
Property and equipment, net	1,316.3	955.3
<b>Total assets</b>	<b>\$ 17,692.7</b>	<b>\$ 8,985.8</b>
<b>Liabilities and Equity</b>		
<i>Current Liabilities</i>		
Accounts payable	\$ 501.0	\$ 222.6
Employee compensation	143.6	99.6
Sales rebates and discounts	295.3	211.0
Current portion of long-term debt	554.5	24.5
Other current liabilities	576.9	244.4
Payable to Lilly (Note 21)	5.0	16.4
<b>Total current liabilities</b>	<b>2,076.3</b>	<b>818.5</b>
<i>Noncurrent Liabilities</i>		
Long-term debt	5,572.4	2,330.5
Accrued retirement benefits	345.7	82.5
Deferred taxes	900.3	100.8
Other noncurrent liabilities	322.1	106.6
<b>Total liabilities</b>	<b>9,216.8</b>	<b>3,438.9</b>
<i>Commitments and Contingencies</i>		
<i>Equity</i>		
Preferred stock, 1,000,000,000 shares authorized, no par value; none issued	—	—
Common stock, 5,000,000,000 shares authorized, no par value; 471,921,116 and 373,011,513 shares issued and outstanding as of December 31, 2020 and 2019, respectively	—	—
Additional paid-in capital	8,650.1	5,636.3
Retained earnings (accumulated deficit)	(477.2)	84.3
Accumulated other comprehensive income (loss)	303.0	(173.7)
<b>Total equity</b>	<b>8,475.9</b>	<b>5,546.9</b>
<b>Total liabilities and equity</b>	<b>\$ 17,692.7</b>	<b>\$ 8,985.8</b>

See notes to consolidated and combined financial statements.



**Elanco Animal Health Incorporated**  
**Consolidated and Combined Statements of Equity**  
(in millions)

	Common Stock				Accumulated Other Comprehensive Income (Loss)						Total Equity
	Shares	Amount	Additional Paid-in Capital	Net Parent Company Investment	Retained Earnings (Accumulated Deficit)	Cash Flow Hedge	Foreign Currency Translation	Defined Benefit Pension and Retiree Health Benefit Plans	Total		
January 1, 2018	293.3	\$ —	\$ —	\$ 8,036.9	\$ —	\$ —	\$ (227.2)	\$ (29.4)	\$ (256.6)	\$7,780.3	
Net income	—	—	—	70.1	16.4	—	—	—	—	86.5	
Adoption of Accounting Standards Update (ASU) 2016-16	—	—	—	(0.3)	—	—	—	—	—	(0.3)	
Other comprehensive income (loss), net of tax	—	—	—	—	—	—	(47.1)	25.4	(21.7)	(21.7)	
Transfers (to)/from Lilly, net	—	—	—	(226.3)	—	—	—	—	—	(226.3)	
Separation adjustments <sup>(1)</sup>	—	—	—	43.5	—	—	56.1	—	56.1	99.6	
Issuance of common stock	72.3	—	1,659.7	—	—	—	—	—	—	1,659.7	
Consideration to Lilly in connection with Separation	—	—	(4,194.9)	—	—	—	—	—	—	(4,194.9)	
Reclassification of net parent company investment	—	—	7,923.9	(7,923.9)	—	—	—	—	—	—	
Stock compensation	—	—	1.8	—	—	—	—	—	—	1.8	
Capital contribution from Lilly	—	—	12.8	—	—	—	—	—	—	12.8	
December 31, 2018	365.6	—	5,403.3	—	16.4	—	(218.2)	(4.0)	(222.2)	5,197.5	
Net income	—	—	—	—	67.9	—	—	—	—	67.9	
Other comprehensive income, net of tax	—	—	—	—	—	—	19.8	28.7	48.5	48.5	
Separation activities <sup>(2)</sup>	—	—	(51.2)	—	—	—	—	—	—	(51.2)	
Stock compensation	—	—	40.7	—	—	—	—	—	—	40.7	
Issuance of stock under employee stock plans, net	0.1	—	—	—	—	—	—	—	—	—	
Issuances of stock in connection with Aratana acquisition:											
Issuance to Aratana shareholders for acquisition	7.2	—	238.0	—	—	—	—	—	—	238.0	
Accelerated vesting of equity awards	0.1	—	3.6	—	—	—	—	—	—	3.6	
Other	—	—	1.9	—	—	—	—	—	—	1.9	
December 31, 2019	373.0	—	5,636.3	—	84.3	—	(198.4)	24.7	(173.7)	5,546.9	
Net loss	—	—	—	—	(560.1)	—	—	—	—	(560.1)	
Adoption of ASU 2016-13 <sup>(3)</sup>	—	—	—	—	(1.4)	—	—	—	—	(1.4)	
Other comprehensive income (loss), net of tax	—	—	—	—	—	(60.4)	558.2	(21.1)	476.7	476.7	
Separation activities <sup>(2)</sup>	—	—	38.0	—	—	—	—	—	—	38.0	
Stock compensation	—	—	47.7	—	—	—	—	—	—	47.7	
Issuance of stock under employee stock plans, net	1.0	—	(14.4)	—	—	—	—	—	—	(14.4)	
Issuance of common stock and tangible equity units, net of issuance costs	25.0	—	1,220.0	—	—	—	—	—	—	1,220.0	
Issuance of stock to Bayer for acquisition, net of issuance costs	72.9	—	1,722.8	—	—	—	—	—	—	1,722.8	
Other	—	—	(0.3)	—	—	—	—	—	—	(0.3)	
December 31, 2020	471.9	\$ —	\$ 8,650.1	\$ —	\$ (477.2)	\$ (60.4)	\$ 359.8	\$ 3.6	\$ 303.0	\$8,475.9	

(1) See Note 3: Impact of Separation for further discussion.

(2) See Note 21: Related Party Agreements and Transactions for further discussion.

(3) See Note 4: Summary of Significant Accounting Policies for further discussion.

See notes to consolidated and combined financial statements.

**Elanco Animal Health Incorporated**  
**Consolidated and Combined Statements of Cash Flows**  
(in millions)

	Year Ended December 31,		
	2020	2019	2018
<b>Cash Flows from Operating Activities</b>			
Net income (loss)	\$ (560.1)	\$ 67.9	\$ 86.5
Adjustments to reconcile net income (loss) to cash flows from operating activities:			
Depreciation and amortization	516.9	314.5	296.0
Change in deferred income taxes	(124.8)	0.1	(60.7)
Stock-based compensation expense	47.7	49.4	26.0
Asset impairment charges	25.1	32.6	120.5
Gain on sale of assets	(51.3)	—	(0.8)
Gain on divestitures	(170.0)	—	—
Inventory fair value step-up amortization	90.1	0.6	—
Other non-cash operating activities, net	19.7	(12.7)	49.0
Other changes in operating assets and liabilities, net of acquisitions and divestitures:			
Receivables	14.0	(172.4)	(122.0)
Inventories	(94.7)	(33.7)	(20.1)
Other assets	(122.9)	7.0	(3.2)
Accounts payable and other liabilities	369.3	(29.2)	116.1
<b>Net Cash Provided by (Used for) Operating Activities</b>	<b>(41.0)</b>	<b>224.1</b>	<b>487.3</b>
<b>Cash Flows from Investing Activities</b>			
Purchases of property and equipment	(134.6)	(140.4)	(134.5)
Disposals of property and equipment	72.7	0.3	9.4
Purchases of software	(176.3)	(57.0)	(2.0)
Cash paid for acquisitions, net of cash acquired (Note 6)	(5,001.3)	(32.8)	—
Divestiture proceeds (Note 6)	434.7	—	—
Proceeds from settlement of net investment hedges (Note 11)	32.7	—	—
Other investing activities, net	(7.1)	(4.9)	0.1
<b>Net Cash Used for Investing Activities</b>	<b>(4,779.2)</b>	<b>(234.8)</b>	<b>(127.0)</b>
<b>Cash Flows from Financing Activities</b>			
Proceeds from issuance of long-term debt	4,804.2	—	2,500.0
Repayments of long-term borrowings	(951.5)	(121.1)	(7.5)
Proceeds from issuance of common stock and tangible equity units (Note 1 and Note 9)	1,219.9	—	1,659.7
Debt issuance costs	(102.5)	—	(24.5)
Consideration paid to Lilly in connection with the Separation (Note 1)	—	(191.6)	(3,991.3)
Other financing activities, net	(16.2)	1.6	(17.2)
Other net transactions with Lilly	—	6.3	(154.4)
<b>Net Cash Provided by (Used for) Financing Activities</b>	<b>4,953.9</b>	<b>(304.8)</b>	<b>(35.2)</b>
Effect of exchange rate changes on cash and cash equivalents	26.6	(16.9)	29.0
Net (decrease) increase in cash, cash equivalents and restricted cash	160.3	(332.4)	354.1
Cash, cash equivalents and restricted cash at January 1	345.1	677.5	323.4
<b>Cash, cash equivalents and restricted cash at December 31</b>	<b>\$ 505.4</b>	<b>\$ 345.1</b>	<b>\$ 677.5</b>

**Elanco Animal Health Incorporated**  
**Consolidated and Combined Statements of Cash Flows (cont'd)**  
(in millions)

	December 31,		
	2020	2019	2018
Cash and cash equivalents	\$ 494.7	\$ 334.0	\$ 474.8
Restricted cash (Note 21)	10.7	11.1	202.7
<b>Cash, cash equivalents and restricted cash at December 31</b>	<b>\$ 505.4</b>	<b>\$ 345.1</b>	<b>\$ 677.5</b>

See notes to consolidated and combined financial statements.

**Elanco Animal Health Incorporated**  
**Notes to Consolidated and Combined Financial Statements**  
(Tables present dollars in millions, except per-share data)

**Note 1. Nature of Business and Organization**

***Nature of Business***

Elanco was formed as a wholly-owned subsidiary of Lilly, and is a global animal health company that innovates, develops, manufactures and markets products for pets and farm animals. We offer a diverse portfolio of approximately 190 brands to veterinarians and farm animal producers in more than 90 countries.

***Organization***

Elanco Parent was formed in May 2018, as a wholly-owned subsidiary of Lilly, to serve as the ultimate parent company of substantially all of the animal health businesses of Lilly.

On September 24, 2018, Elanco Parent completed an IPO resulting in the issuance of 72.3 million shares of its common stock (including shares issued pursuant to the underwriters' option to purchase additional shares), which represented 19.8% of the outstanding shares, at \$24 per share resulting in total net proceeds, after underwriting discounts and commissions, of \$1.7 billion. In connection with the completion of the IPO, through a series of equity and other transactions, Lilly transferred to Elanco Parent the animal health businesses that form its business. In exchange, Elanco Parent has paid to Lilly approximately \$4.2 billion, which included the net proceeds from the IPO, the net proceeds from the debt offering completed by Elanco Parent in August 2018 and the term loan facility entered into by Elanco Parent in September 2018 (see Note 10: Debt). These transactions are collectively referred to herein as the Separation.

On February 8, 2019, Lilly announced an exchange offer whereby Lilly shareholders could exchange all or a portion of Lilly common stock for shares of Elanco common stock owned by Lilly. The disposition of Elanco shares was completed on March 11, 2019 and resulted in the full separation of Elanco along with the disposal of Lilly's entire ownership and voting interest in Elanco.

On August 1, 2020, we completed the previously announced acquisition of Bayer Animal Health, for payment of \$5.2 billion in cash, subject to customary post-closing adjustments, and approximately 72.9 million shares of Elanco common stock. See Note 6: Acquisitions and Divestitures for additional information.

**Note 2. Basis of Presentation**

We have prepared the accompanying consolidated and combined financial statements in accordance with accounting principles generally accepted in the United States (GAAP). In our opinion, the financial statements reflect all adjustments (including those that are normal and recurring) that are necessary for fair presentation of the results of operations for the periods shown. The accounts of all wholly-owned and majority-owned subsidiaries are included in the consolidated and combined financial statements, and all intercompany balances and transactions have been eliminated.

In preparing financial statements in conformity with GAAP, we must make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, expenses, and related disclosures at the date of the financial statements and during the reporting period. Actual results could differ from those estimates. We issued our financial statements by filing with the Securities and Exchange Commission and have evaluated subsequent events up to the time of the filing.

For the periods after Separation, the financial statements are prepared on a consolidated basis and reflect the results of operations, comprehensive income, financial position, equity and cash flows resulting from our operations as an independent company. For periods prior to Separation, our financial statements are combined, have been prepared on a standalone basis, and are derived from Lilly's consolidated financial statements and accounting records. The consolidated and combined financial statements reflect the financial position, results of operations and cash flows related to the animal health businesses that were transferred to Elanco Parent and are prepared in conformity with GAAP.

The combined financial statements include the attribution of certain assets and liabilities that historically have been held at the Lilly corporate level but which are specifically identifiable or attributable to the businesses that have been transferred to Elanco Parent. All intercompany transactions and accounts within Elanco have been eliminated. All transactions between us and Lilly are considered to be effectively settled in the combined financial statements at the time the intercompany transaction is recorded. The total net effect of the settlement of these intercompany transactions is reflected in the combined statements of cash flows as a financing activity and in the consolidated and combined statement of equity as net parent company investment.

Prior to Separation, these combined financial statements include an allocation of expenses related to certain Lilly corporate functions, including executive oversight, treasury, legal, finance, human resources, tax, internal audit, financial reporting, information technology and investor relations, prior to IPO. These expenses were allocated to us based on direct usage or benefit where specifically identifiable, with the remainder allocated primarily on a pro rata basis of revenue, headcount and other measures. We consider the expenses methodology and results to be reasonable; however, the allocations may not be indicative of the actual expense that would have been incurred had we operated as an independent, publicly traded company for the periods presented. It is impractical to estimate what the standalone costs of Elanco would have been in the historical periods. After the Separation, a TSA between Lilly and Elanco went into effect. Under the terms of the TSA, we will be able to use these Lilly services for a fixed term established on a service-by-service basis. We are paying Lilly mutually agreed upon fees for the Lilly services provided under the TSA. Our consolidated and combined financial statements reflect the charges for Lilly services after the IPO. See Note 21: Related Party Agreements and Transactions for additional details.

Prior to Separation, Lilly maintained various benefit and combined stock-based compensation plans at a corporate level and other benefit plans at a country level. Our employees participated in such programs and the portion of the cost of those plans related to our employees is included in our financial statements. However, the consolidated balance sheets do not include any equity issued related to stock-based compensation plans or any net benefit plan obligations unless the benefit plan covers only our dedicated employees or where the legal obligation associated with the benefit plan transferred to Elanco. Upon Lilly's full divestiture of Elanco in March 2019, all Lilly share-based awards held by our employees were converted into awards that will be settled in Elanco shares.

Prior to Separation, our equity balance represented the excess of total assets over liabilities, including intercompany balances between Elanco and Lilly (net parent company investment) and accumulated other comprehensive income (loss). Net parent company investment is primarily impacted by contributions from Lilly which are the result of treasury activities and net funding provided by or distributed to Lilly. See Note 21: Related Party Agreements and Transactions for further information.

The basis of presentation for our income tax amounts is discussed in Note 16: Income Taxes.

### **Note 3. Impact of Separation**

In connection with the Separation, we issued \$2.0 billion aggregate principal amount of senior notes in a private placement, and we also entered into a \$750.0 million senior unsecured revolving credit facility and \$500.0 million senior unsecured term credit facility. See Note 10: Debt for further information. In connection with the Separation, we entered into various agreements with Lilly, including a master separation agreement, a tax matters agreement and the TSA.

In connection with the terms of the Separation, there were certain assets and liabilities included in the pre-Separation balance sheet that were retained by Lilly and there were certain assets not included in the pre-Separation balance sheet that were transferred to us. The cumulative adjustment to the historical balance sheet increased net assets and total equity by approximately \$99.6 million. The impact on net assets primarily represents the elimination of certain income tax assets and liabilities and the contribution of additional assets.

We will also continue to have certain ongoing relationships with Lilly as described in Note 21: Related Party Agreements and Transactions.

## Note 4. Summary of Significant Accounting Policies

### Revenue

We recognize revenue primarily from product sales to customers. Revenue from sales of products is recognized at the point where the customer obtains control of the goods and we satisfy our performance obligation, which generally is at the time we ship the product to the customer. Payment terms differ by jurisdiction and customer, but payment terms in most of our major jurisdictions typically range from 30 to 120 days from date of shipment. Revenue for our product sales has not been adjusted for the effects of a financing component as we expect, at contract inception, that the period between when we transfer control of the product and when we receive payment will be one year or less. Any exceptions are either not material or we collect interest for payments made after the due date. For contract manufacturing organization (CMO) arrangements, we recognize revenue over time or at a point in time depending on our evaluation of when the customer obtains control of the promised goods or service. Revenue is recognized over time when we are creating or enhancing an asset that the customer controls. In this instance revenue is recognized as the asset is created or enhanced or our performance does not create an asset with an alternative use and we have an enforceable right to payment for performance completed.

Provisions for rebates and discounts, as well as returns are established in the same period the related sales are recognized. We generally ship product shortly after orders are received; therefore, we generally only have a few days of orders received but not yet shipped at the end of any reporting period. Shipping and handling activities are considered to be fulfillment activities and are not considered to be a separate performance obligation. We exclude from the measurement of the transaction price all taxes assessed by a governmental authority that are imposed on our sales of product and collected from a customer.

Significant judgments must be made in determining the transaction price for sales of products related to anticipated rebates and discounts, and returns. The following describe the most significant of these judgments:

#### *Sales Rebates and Discounts - Background and Uncertainties*

- Many of our products are sold to wholesale distributors. We initially invoice our customers contractual list prices. Contracts with direct and indirect customers may provide for various rebates and discounts that may differ in each contract. As a consequence, to determine the appropriate transaction price for our product sales at the time we recognize a sale to a direct customer, we must estimate any rebates or discounts that ultimately will be due to the direct customer and other customers in the distribution chain under the terms of our contracts. Judgments are required in making these estimates.
- The rebate and discount amounts are recorded as a deduction to arrive at our net product sales. We estimate these accruals using an expected value approach.
- In determining the appropriate accrual amount, we consider our historical experience with similar incentives programs and current sales data and estimates of inventory levels at our channel distributors to evaluate the impact of such programs on revenue and continually monitor the impact of this experience and adjust as necessary. Although we accrue a liability for rebates related to these programs at the time the sale is recorded, the rebate related to that sale is typically paid up to six months after the rebate or incentive period expires. Because of this time lag, in any particular period rebate adjustments may incorporate revisions of accruals for several periods.

#### *Sales Returns - Background and Uncertainties*

- We estimate a reserve for future product returns related to product sales using an expected value approach. This estimate is based on several factors, including: local returns policies and practices; returns as a percentage of revenue; an understanding of the reasons for past returns; estimated shelf life by product; and estimate of the amount of time between shipment and return. Adjustments to the returns reserve have been and may in the future be required based on revised estimates to our assumptions, which would have an impact on our consolidated and combined results of operations. We record the return amounts as a deduction to arrive at our net product sales.

## Research and development expenses and acquired in-process research and development

Research and development expenses include the following:

- Research and development costs, which are expensed as incurred.
- Milestone payment obligations incurred prior to regulatory approval of the product, which are accrued when the event requiring payment of the milestone occurs.
- Acquired in-process research and development (IPR&D) expense, which includes the initial costs of IPR&D projects, acquired directly in a transaction other than a business combination, that do not have an alternative future use.

## Foreign Currency Translation

Operations in our subsidiaries outside the U.S. are recorded in the functional currency of each subsidiary which is determined by a review of the environment where each subsidiary primarily generates and expends cash. The results of operations for our subsidiaries outside the U.S., where the U.S. dollar is not the functional currency, are translated from functional currencies into U.S. dollars using the weighted average currency rate for the period. Assets and liabilities are translated using the period end exchange rates. The U.S. dollar effects that arise from translating the net assets of these subsidiaries are recorded in other comprehensive income (loss).

## Other significant accounting policies

Our other significant accounting policies are described in the remaining appropriate notes to the consolidated and combined financial statements.

## Implementation of New Financial Accounting Pronouncements

The following table provides brief descriptions of accounting standards that were recently adopted:

Standard	Description	Effect on the financial statements or other significant matters
Accounting Standards Update 2016-02, Leases	This standard was issued to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities, including leases classified as operating leases under previous GAAP, on the balance sheet and requiring additional disclosures about leasing arrangements.	We adopted the standard on January 1, 2019 using the modified retrospective approach, applied at the beginning of the period of adoption, and we elected the package of transition practical expedients. Upon adoption of the standard, we recorded \$84.9 million of right-of-use assets and \$85.3 million of operating lease liabilities on our consolidated balance sheet. Adoption of this standard did not have a material impact on our consolidated and combined statements of operations for the year ended December 31, 2019. See Note 14: Leases for further information.
Accounting Standards Update 2016-13, <i>Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments</i>	This standard modifies the impairment model by requiring entities to use a forward-looking approach based on expected losses to estimate credit losses on certain types of financial instruments, including trade receivables.	We adopted the standard on January 1, 2020 using the modified retrospective approach. The impact of adoption included the first-time recognition of expected credit losses (i.e., bad debt expense) on current receivables that are not past due, which resulted in a decrease in retained earnings of \$1.4 million. Recognition of this allowance and other impacts of adoption were not material to the consolidated and combined financial statements.

Standard	Description	Effect on the financial statements or other significant matters
Accounting Standards Update 2018-15, <i>Intangibles - Goodwill and Other Internal-Use Software (Subtopic 350-40): Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement that is a Service Contract</i>	This guidance aligns the requirements for capitalizing implementation costs incurred in a cloud-based hosting arrangement that is a service contract with the requirements for capitalizing implementation costs incurred to develop or obtain internal-use software.	On January 1, 2020, we implemented the guidance on a prospective basis. The adoption did not have a significant impact on the consolidated and combined financial statements.

The following table provides brief descriptions of the accounting standards applicable to us that have not yet been adopted:

Standard	Description	Effective Date	Effect on the financial statements or other significant matters
Accounting Standards Update 2019-12, <i>Simplifying the Accounting for Income Taxes</i>	The amendments in this update include simplifications related to accounting for income taxes including removing certain exceptions related to the approach for intraperiod tax allocation and the recognition of deferred tax liabilities for outside basis differences. The standard also clarifies the accounting for transactions that result in a step-up in the tax basis of goodwill.	This standard is effective January 1, 2021, with early adoption permitted. We intend to adopt this standard on that date.	The adoption of this guidance will not have a material impact on our consolidated and combined financial statements.
Accounting Standards Update 2020-04, <i>Reference rate reform (Topic 848) - Facilitation of the Effects of Reference Rate Reform on Financial Reporting</i>	This update provides optional expedients and exceptions for applying U.S. GAAP to contracts, hedging relationships, and other transactions affected by reference rate reform if certain criteria are met.	This standard was effective as of March 12, 2020 through December 31, 2022 and adoption is permitted at any time during the period on a prospective basis.	We are currently in the process of evaluating the impact of the London Interbank Offered Rate (LIBOR) on our existing contracts, but do not expect that this update will have a material impact on our consolidated and combined financial statements.

## Note 5. Revenue

Our sales rebates and discounts are based on specific agreements. The most significant of our sales rebate and discount programs in terms of accrual and payment amounts, percentage of our products that are sold via these programs, and level of judgment required in estimating the appropriate transaction price, relate to our programs in the U.S., France and the United Kingdom. As of December 31, 2020 and 2019, the aggregate liability for sales rebates and discounts for these countries represented approximately 73% and 83%, respectively, of our total



liability, with the U.S. individually representing approximately 52% and 71%, respectively, of our total liability. No other individual country represented 5% or more of our total liability for 2020 and 2019.

The following table summarizes the activity in the sales rebates and discounts liability in the U.S., France, and the United Kingdom:

	Year Ended December 31,	
	2020	2019
Beginning balance	\$ 175.9	\$ 138.2
Reduction of revenue	389.3	373.9
Payments	(401.3)	(336.2)
Additions related to the Bayer Animal Health acquisition	49.6	—
Foreign currency translation adjustments	3.0	—
Ending balance	<u>\$ 216.5</u>	<u>\$ 175.9</u>

Adjustments to revenue recognized as a result of changes in estimates for the judgments described above during the years ended December 31, 2020, 2019, and 2018 for product shipped in previous periods were not material.

Actual global product returns were 0.8%, 0.7%, and 0.8% of net revenue for the years ended December 31, 2020, 2019, and 2018 respectively, and have not fluctuated significantly as a percentage of revenue.

### Disaggregation of Revenue

The following table summarizes our revenue disaggregated by product category for the years ended December 31:

	2020	2019	2018
Pet Health Disease Prevention	\$ 992.7	\$ 787.9	\$ 804.6
Pet Health Therapeutics	365.8	348.0	283.1
Farm Animal Future Protein & Health	734.1	745.1	711.2
Farm Animal Ruminants & Swine	1,100.5	1,110.3	1,174.0
Contract Manufacturing <sup>(1)</sup>	80.2	79.7	93.9
Total Revenue	<u>\$ 3,273.3</u>	<u>\$ 3,071.0</u>	<u>\$ 3,066.8</u>

(1) Represents revenue from arrangements in which we act as a contract manufacturer, including supply agreements associated with divestitures of products related to the acquisition of Bayer Animal Health. This category was previously called Strategic Exits.

### Note 6. Acquisitions and Divestitures

During 2020, we completed the acquisition of Bayer Animal Health. During 2019, we completed the acquisitions of all outstanding shares of Aratana Therapeutics, Inc. (Aratana) and Prevtect Microbia Inc. (Prevtect). These transactions were accounted for as business combinations under the acquisition method of accounting. The acquisition method requires, among other things, that assets acquired and liabilities assumed in a business combination be recognized at their fair values as of the acquisition date. The determination of estimated fair value requires management to make significant estimates and assumptions. The excess of the purchase price over the fair value of the acquired net assets, where applicable, has been recorded as goodwill. The results of operations of these acquisitions are included in our consolidated and combined financial statements from the dates of acquisition.

#### Bayer Animal Health Acquisition

On August 1, 2020, we completed our previously announced acquisition of Bayer Animal Health in a cash and stock transaction. Bayer Animal Health is a provider of products intended to improve the health and well-being of pets and farm animals. The acquisition expands our pet health product category, advancing our planned portfolio mix transformation and creating a better balance between our farm animal and pet health product categories. Our

existing product portfolio and pipeline are enhanced by the addition of Bayer Animal Health, which complements our commercial operations and international infrastructure while expanding our direct to retailer/e-commerce presence.

Total consideration transferred to Bayer and its subsidiaries for the acquisition is summarized as follows:

Cash consideration <sup>(1)</sup>	\$ 5,063.3
Fair value of Elanco common stock <sup>(2)</sup>	1,723.7
Fair value of total consideration transferred <sup>(3)</sup>	<u>\$ 6,787.0</u>

(1) Includes initial cash consideration of \$5,170.1 million less estimated working capital and tax adjustments of \$106.8 million, which have not yet been finalized. Our expectation is for the working capital adjustment to be final in the second quarter of 2021.

(2) Represents the acquisition date fair value of 72.9 million shares of Elanco common stock at \$23.64 per share. Per the terms of the stock and asset purchase agreement, the number of shares was based on approximately \$2.3 billion divided by the 20-day volume-weighted average stock price as of the last day of trading before the closing of the acquisition (but subject to a 7.5% symmetrical collar centered on the baseline share number of approximately \$2.3 billion divided by an initial share price of \$33.60).

(3) The purchase price is preliminary and subject to working capital and customary purchase price adjustments.

We recognized transaction costs related to the acquisition of Bayer Animal Health of \$266.9 million and \$42.6 million for the years ended December 31, 2020 and 2019, respectively. These costs were associated with legal and professional services related to the acquisition and are reflected within asset impairment, restructuring and other special charges in our consolidated and combined statements of operations.

The amount of revenues attributable to Bayer Animal Health included in our consolidated and combined statement of operations since the date of acquisition for the year ended December 31, 2020 is \$591.9 million. Based on our current operational structure, we did not record standalone costs for Bayer Animal Health after the date of the acquisition. As a result, we are unable to accurately determine earnings or loss attributable to Bayer Animal Health since the date of acquisition.

The valuation of assets acquired and liabilities assumed has not yet been finalized as of December 31, 2020. The purchase price allocation is preliminary and subject to change, including the valuation of inventories, property and equipment, intangible assets, income taxes and goodwill, among other items. The amounts recognized will be finalized as the information necessary to complete the analysis is obtained, but no later than one year after the acquisition date. Finalization of the valuation during the measurement period could result in a change in the amounts recorded for the acquisition date fair value.

The following table summarizes the preliminary fair value of assets acquired and liabilities assumed as of the acquisition date:

<b>Estimated Fair Value at August 1, 2020</b>	
Cash and cash equivalents	\$ 168.8
Accounts receivable	9.7
Inventories	487.2
Prepaid expenses and other current assets	50.7
Property and equipment	362.5
Intangible assets:	
Acquired in-process research and development	65.0
Marketed products	3,950.0
Assets held for sale	138.3
Accounts payable and accrued liabilities	(240.2)
Accrued retirement benefits	(220.2)
Other noncurrent assets and liabilities - net	(906.4)
Total identifiable net assets	<u>3,865.4</u>
Goodwill	2,921.6
Total consideration transferred	<u>\$ 6,787.0</u>

Inventories comprise \$313.9 million, \$79.1 million, and \$94.2 million in finished products, work in process, and raw materials, respectively. The preliminary estimate of fair value of finished products was determined based on net realizable value adjusted for the costs to complete the sales process, a reasonable profit allowance from the sales process, and estimated holding costs. The preliminary estimate of fair value of work in process was determined based on net realizable value adjusted for costs to complete the manufacturing process, costs of the sales process, a reasonable profit allowance for the remaining manufacturing and sales process effort, and an estimate of holding costs. The fair value of raw materials was determined to approximate book value. The net fair value step-up adjustment to inventories of \$147.9 million is being amortized to cost of sales when the inventory is sold to customers, which is expected to be within less than one year from the acquisition date.

Property and equipment is mostly composed of land, buildings, equipment (including machinery, furniture and fixtures, and computer equipment), and construction in progress. The preliminary estimate of fair value of real property was determined using the sales comparison data valuation technique and the preliminary estimate of fair value of personal property was determined using the direct replacement cost method. The recorded fair value of property and equipment located at the Shawnee, Kansas site is currently equal to its net book value at the time of the acquisition, as we are in the process of gathering information to update our fair value assessment.

Intangible assets relate to \$65.0 million of IPR&D and \$3,950.0 million of marketed products. The acquired definite-lived intangible assets are being amortized over a weighted-average estimated useful life of approximately 10 years on a straight-line basis. The estimated fair values of identifiable intangible assets were determined using the "income approach," which is a valuation technique that provides an estimate of the fair value of an asset based on market participant expectations of the cash flows an asset would generate over its remaining useful life. Some of the significant assumptions inherent in the development of these asset valuations include the estimated net cash flows for each year for each asset or product (including revenues, cost of sales, R&D expenses, marketing, selling and administrative expenses, and contributory asset charges), the appropriate discount rate necessary to measure the risk inherent in each future cash flow stream, the life cycle of each asset, the potential regulatory and commercial success risk, and competitive trends impacting the asset and each cash flow stream, as well as other factors. The fair value of intangible assets as of December 31, 2020 is based on preliminary assumptions which are subject to change as we complete our valuation procedures.

Assets held for sale include \$133.1 million of intangible assets, consisting of marketed products and IPR&D, and \$5.2 million of inventory related to the divestitures of *Drontal*, *Profender* and other products. See the *Divestitures* section below for more information.

Accrued retirement benefits primarily relate to certain Bayer Animal Health international subsidiaries that have underfunded defined benefit pension plans. We have recorded the fair value of these plans using assumptions and accounting policies similar to those disclosed in Note 19: Retirement Benefits. Upon acquisition, the excess of projected benefit obligation over the fair value of plan assets was recognized as a liability and previously existing deferred actuarial gains and losses and unrecognized service costs or benefits were eliminated.

The goodwill recognized from this acquisition represents the value of additional growth platforms and an expanded revenue base as well as anticipated operational synergies and cost savings from the creation of a single combined global organization. The majority of goodwill associated with this acquisition is not deductible for tax purposes.

*Pro forma financial information (unaudited)*

The following table presents the estimated unaudited pro forma combined results of Elanco, Bayer Animal Health and Aratana for the years ended December 31, 2020 and 2019 as if the acquisitions had occurred on January 1, 2019:

	Year Ended December 31,	
	2020	2019
Revenues	\$ 4,441.4	\$ 4,691.3
Loss before income taxes	(675.0)	(159.5)

The supplemental pro forma financial information has been prepared using the acquisition method of accounting and is based on the historical financial information of Elanco, Bayer Animal Health and Aratana. The supplemental pro forma financial information does not necessarily represent what the combined companies' revenue or results of operations would have been had the acquisitions been completed on January 1, 2019, nor is it intended to be a projection of future operating results of the combined company. It also does not reflect any operating efficiencies or potential cost savings that might be achieved from synergies of combining Elanco, Bayer Animal Health and Aratana.

The unaudited supplemental pro forma financial information reflects primarily pro forma adjustments related to divestitures, fair value estimates for intangibles, property and equipment, and inventory, and interest expense and amortization of debt issuance costs for the debt issuance to finance the acquisition of Bayer Animal Health. The unaudited supplemental pro forma financial information includes transaction charges associated with the acquisition. There are no material, nonrecurring pro forma adjustments directly attributable to the acquisition included in the reported pro forma revenue and loss before income taxes.

## Divestitures

In order to secure the necessary regulatory clearances for the acquisition of Bayer Animal Health, we signed agreements to divest the rights to manufacture and commercialize certain products. The following table summarizes the financial impact of the material divestitures completed during 2020 in connection with the acquisition of Bayer Animal Health, of which the pre-tax gains and losses are included in other expense (income), net in the consolidated and combined statement of operations.

	For the Year Ended December 31, 2020	
	Gross Cash Proceeds	Pre-tax Gain
<i>Osumnia</i>	\$ 140.5	\$ 93.2
<i>Vecoxan</i>	55.1	37.2
<i>Capstar</i>	95.9	25.6
<i>Drontal and Profender</i>	140.6	—
Other immaterial divestitures	2.6	0.7
Total <sup>(1)</sup>	<u>\$ 434.7</u>	<u>\$ 156.7</u>

(1) Pre-tax gain is net of transaction costs of \$13.3 million.

We determined that the disposal of the related net assets does not qualify for reporting as a discontinued operation because it does not represent a strategic shift that has or will have a major effect on our operations and financial results.

### *Elanco product divestitures*

In January 2020, we signed agreements to divest the worldwide rights to *Osumnia* and the U.S. rights to *Capstar*, and in February 2020, we signed an agreement to divest the worldwide rights to *Vecoxan*. The carrying value of the divested assets consisted of \$114.1 million of marketed product rights and \$7.9 million of inventory. In July 2020, we completed these sales, along with certain other immaterial divestitures. The transactions were accounted for as asset divestitures.

### *Bayer Animal Health product divestitures*

To allow the Bayer Animal Health acquisition to close on a timely basis, we signed agreements to divest the rights to the *Drontal* and *Profender* product families within the United Kingdom and European Economic Area as well as other IPR&D. We completed the transactions, which were accounted for as asset divestitures, on August 3, 2020. *Drontal*, *Profender*, and the IPR&D were acquired as part of the Bayer Animal Health acquisition. The related assets were classified as held for sale on the balance sheet as of the acquisition date and measured at fair value at the time of the acquisition; therefore, no gains were recognized on the sales. A loss of \$7.3 million was recorded on the sale of IPR&D as recognition of the potential income from the divestiture was constrained by revenue accounting standards. The estimated fair value of the divested assets consisted of \$135.0 million of marketed product rights, \$7.3 million of IPR&D, and \$3.6 million of inventory.

There are additional marketed and pipeline products that we are required to dispose of in order to comply with regulatory requirements. These divestitures are not expected to have a material effect on our operations, cash flows or financial position.

## Assets Held For Sale

In connection with advancing our efforts to secure the necessary regulatory clearances for our acquisition of Bayer Animal Health, we signed agreements to divest the worldwide rights to the legacy Elanco products *Itrafungol*<sup>™</sup> and *Clomicalm*<sup>™</sup>. The related assets met the assets held for sale criteria as of December 31, 2020. We expect the divestiture to close in the first half of 2021. An \$8.2 million impairment charge was recorded to adjust the assets to the lower of their carrying amounts or fair values less costs to sell on the consolidated balance sheet. The fair value of the assets was measured on a nonrecurring basis and categorized within Level 3 of the fair value hierarchy. We determined the fair value using a market approach, estimated based on the negotiated value of the assets.

The related assets for the *Osurnia* and *Capstar* divestitures met the assets held for sale criteria as of December 31, 2019. No adjustments were required to record the assets at the lower of their carrying amounts or fair values less costs to sell on the consolidated balance sheet.

Assets and liabilities considered held for sale in connection with the above divestitures were included in the respective line items on the consolidated balance sheet as follows:

	December 31, 2020	December 31, 2019
Inventories	\$ 2.1	\$ 10.6
Other intangibles, net	3.5	61.2
Property and equipment, net	—	0.2
Deferred tax asset	1.0	—
Total assets held for sale	<u>\$ 6.6</u>	<u>\$ 72.0</u>
Deferred tax liability	\$ —	\$ (1.4)
Total liabilities held for sale	<u>\$ —</u>	<u>\$ (1.4)</u>

Other intangibles, net classified as held for sale primarily consisted of marketed products.

## 2019 Acquisitions

### *Aratana Therapeutics, Inc.*

On July 18, 2019, we acquired Aratana, a pet therapeutics company focused on innovative therapies for dogs and cats, for stock and cash-based contingent value rights. Aratana is the creator of the canine osteoarthritis medicine, *Galliprant*, the rights to which we acquired in 2016. The acquisition enhances our presence in the areas of appetite stimulants in dogs, pain relief in dogs and cats, and treatments of other conditions in the U.S. and internationally. In connection with the acquisition, we issued approximately 7.2 million shares with a value of \$238.0 million to Aratana shareholders, based on our stock price on the last trading day immediately prior to the closing date. The purchase consideration also included up to \$12 million in contingent value rights, which represent the rights of Aratana shareholders to receive a contingent payment of \$0.25 per share in cash upon the achievement of a specified milestone as outlined in the merger agreement. We calculated an immaterial fair value for the contingent value rights using the Monte Carlo simulation model.

Contingent consideration liabilities that we previously recorded for future royalty and milestone payments in relation to the 2016 acquisition of rights to *Galliprant* were settled upon the closing of our acquisition of Aratana. The liabilities were valued at \$84.7 million as of the acquisition date using the Monte Carlo simulation model. The resulting \$7.5 million loss upon settlement was recorded in other expense (income), net in the consolidated and combined statement of operations for the year ended December 31, 2019.

The following table summarizes the amounts recognized for assets acquired and liabilities assumed as of the acquisition date:

<b>Estimated Fair Value at July 18, 2019</b>	
Cash and cash equivalents	\$ 26.4
Inventories	10.3
Acquired in-process research and development	31.9
Marketed products <sup>(1)</sup>	36.7
Other intangible assets <sup>(1)</sup>	13.2
Other assets and liabilities - net	4.1
<b>Total identifiable net assets</b>	<b>122.6</b>
Goodwill <sup>(2)</sup>	30.7
Settlement of existing contingent consideration liabilities	84.7
<b>Total consideration transferred</b>	<b>\$ 238.0</b>

(1) These intangible assets, which are being amortized on a straight-line basis over their estimated useful lives, are expected to have a weighted average useful life of approximately 12.5 years.

(2) The goodwill recognized from this acquisition is attributable primarily to expected synergies from combining the operations of Aratana with our legacy business. The majority of goodwill associated with this acquisition is not deductible for tax purposes.

The accounting for this acquisition is complete. A \$19.9 million measurement period adjustment was recorded primarily to establish a deferred tax liability for the preexisting *Galliprant* contingent consideration liability during the year ended December 31, 2020.

We issued 0.1 million shares and recorded \$3.6 million of stock-based compensation expense for the vesting of Aratana equity awards that was accelerated upon the closing of the acquisition during 2019.

#### *Prevtec Microbia Inc.*

On July 31, 2019, we acquired Prevtec in a cash transaction for approximately \$60.3 million, inclusive of certain post-closing adjustments. Prevtec is a Canadian biotechnology company specializing in the development of vaccines intended to help prevent bacterial diseases in farm animals. The acquisition allows us to expand on our previous distribution arrangement for *Coliprotec* and is consistent with our efforts to explore innovative antibiotic alternatives.

The purchase consideration included up to \$16.3 million in additional cash consideration, contingent upon the achievement of specific sales milestones by December 31, 2021. We have recorded a \$4.7 million liability on the consolidated balance sheet as of the acquisition date based on the fair value of the contingent consideration as calculated using the Monte Carlo simulation model.

A previously existing \$0.7 million receivable owed from Prevtec to Elanco Animal Health UK Limited was settled upon the closing of our acquisition of Prevtec. The resulting immaterial gain upon settlement was recorded in other expense (income), net in the consolidated and combined statement of operations for the year ended December 31, 2019.

The following table summarizes the amounts recognized for assets acquired and liabilities assumed as of the acquisition date:

<b>Estimated Fair Value at July 31, 2019</b>	
Cash and cash equivalents	\$ 0.9
Property and equipment	0.5
Acquired in-process research and development	2.8
Marketed products <sup>(1)</sup>	58.9
Other intangible assets	1.1
Other assets and liabilities - net	(9.3)
<b>Total identifiable net assets</b>	<b>54.9</b>
Goodwill <sup>(2)</sup>	10.1
<b>Total consideration transferred</b>	<b>\$ 65.0</b>

(1) These intangible assets, which are being amortized on a straight-line basis over their estimated useful lives, are expected to have a weighted average useful life of 10 years.

(2) The goodwill recognized from this acquisition is attributable primarily to expected synergies from combining the operations of Prevtect with our legacy business and future unidentified projects and products. The goodwill associated with this acquisition is not deductible for tax purposes.

The accounting for this acquisition is complete. An immaterial measurement period adjustment to deferred taxes was recorded during the year ended December 31, 2020.

#### **Note 7. Asset Impairment, Restructuring and Other Special Charges**

In recent years, we have incurred substantial costs associated with restructuring programs and cost-reduction initiatives designed to achieve a flexible and competitive cost structure. Restructuring activities primarily include charges associated with facility rationalization and workforce reductions. In connection with our recent acquisitions, including the acquisition of Bayer Animal Health, we have also incurred costs associated with executing transactions and integrating acquired operations, which may include expenditures for banking, legal, accounting, and other similar services. In addition, we have incurred costs to stand up our organization as an independent company. All operating functions can be impacted by these actions; therefore, non-cash expenses associated with our tangible and intangible assets can be incurred as a result of revised fair value projections and/or determinations to no longer utilize certain assets in the business on an ongoing basis.

For finite-lived intangible asset and other long-lived assets, whenever impairment indicators are present, we calculate the undiscounted value of projected cash flows associated with the asset, or group of assets, and compare it to the carrying amount. If the carrying amount is greater, we record an impairment loss for the excess of book value over fair value. Determinations of fair value can result from a complex series of judgments and rely on estimates and assumptions. See Note 2: Basis of Presentation and Note 4: Summary of Significant Accounting Policies for discussion regarding estimates and assumptions.



Components of asset impairment, restructuring and other special charges for the years ended December 31 are as follows:

	2020	2019	2018
<b>Restructuring charges:</b>			
Severance and other costs <sup>(1)</sup>	\$ 155.0	\$ 8.2	\$ 15.5
Facility exit costs <sup>(1)</sup>	(2.7)	—	5.7
<b>Acquisition related charges:</b>			
Transaction and integration costs <sup>(2)</sup>	423.8	144.7	26.5
<b>Non-cash and other items:</b>			
Asset impairment <sup>(3)</sup>	17.5	15.4	81.9
Asset write-down <sup>(4)</sup>	19.1	17.2	—
Gain on sale of fixed assets <sup>(5)</sup>	(3.8)	—	(0.8)
Settlements and other <sup>(6)</sup>	14.8	—	—
<b>Total expense</b>	<b>\$ 623.7</b>	<b>\$ 185.5</b>	<b>\$ 128.8</b>

(1) For the year ended December 31, 2020, these charges primarily related to a restructuring program initiated following the acquisition of Bayer Animal Health. See below for further details. Also included in facility exit costs is a favorable true-up of a lease termination related to a previous restructuring program.

For the year ended December 31, 2019, these charges primarily relate to a program that eliminated certain positions across multiple locations and functions, including exiting R&D operations in Prince Edward Island, Canada, ceasing certain manufacturing operations in Wusi, China, and streamlining operations in Speke, England. These activities were substantially complete as of December 31, 2020.

For the year ended December 31, 2018, these charges primarily relate to a program to streamline international operations, including shifting focus and resources to priority areas. Among other actions, amounts reflect a change from having a physical location to a distribution model in certain countries in connection with the Separation. These activities were substantially complete as of December 31, 2019.

(2) Transaction costs represent external costs directly related to acquiring businesses and primarily include expenditures for banking, legal, accounting and other similar services. Integration costs represent internal and external incremental costs directly related to integrating acquired businesses, including the acquisition of Bayer Animal Health (e.g., expenditures for consulting, system and process integration, and product transfers), as well as stand-up costs related to the implementation of new systems, programs, and processes due to the Separation from Lilly.

(3) Asset impairment charges are associated with the following:

- For the year ended December 31, 2020, primarily attributable to the impairment of acquired IPR&D and indefinite-lived intangible assets. The impairment to acquired IPR&D related to reassessments of geographic viability and project priority, which was partially prompted by the addition of the Bayer Animal Health IPR&D pipeline. The impairment of the indefinite-lived intangible assets related to adjustments made to record assets classified as held for sale at the lower of their carrying amounts or fair values less costs to sell.
- For the year ended December 31, 2019, the write-off of certain IPR&D and manufacturing assets in the U.S., Canada and Speke, resulting from the adjustment to fair value of property and equipment and intangible assets that were subject to product rationalization.
- For the year ended December 31, 2018, the decision to dispose of a manufacturing facility in the U.S., the suspension of commercial activities for *Imrestor*, the write-off of certain idle assets in a U.S. manufacturing facility and product rationalization.

(4) For the year ended December 31, 2020, asset write-down expenses resulted from adjustments recorded to write assets classified as held and used down to their current fair value. These included charges related to fixed assets in Basel, Switzerland, in connection with the 2020 program initiated following the acquisition of Bayer Animal Health, and fixed assets in Indianapolis, Indiana. Also included are charges related to fixed assets in Wusi, China in connection with the announced 2019 program to streamline operations.

For the year ended December 31, 2019, asset write-down expenses resulted from the adjustments recorded to write assets classified as held and used and held for sale down to their current fair values. These charges primarily related to fixed assets in Prince Edward Island, Canada; Wusi, China and Indianapolis, Indiana. \$11.2 million of Property and equipment, net in Prince Edward Island, Canada and Indianapolis, Indiana are classified as held for sale.

(5) For the year ended December 31, 2020, represents a gain on the disposal from the sale of an R&D facility in Prince Edward Island, Canada, which was written down during the third quarter of 2019 as part of the announced 2019 program to streamline operations.

For the year ended December 31, 2018, represents a gain on the disposal of a site that was previously closed as part of the acquisition and integration of Novartis Animal Health beginning on January 1, 2015.

(6) Charges primarily relate to a non-recurring litigation settlement for a matter that originated prior to the Separation and a one-time expense associated with our agreement to build a new corporate headquarters.

In September 2020, following the closing of the Bayer Animal Health acquisition, we implemented a restructuring program designed to reduce duplication, drive efficiency and optimize our footprint in key geographies. As part of the restructuring plan, we have eliminated approximately 900 positions across 40 countries, primarily in the commercial and marketing functions, but also in the R&D, manufacturing and quality, and back office support

functions. As of December 31, 2020, we have incurred restructuring charges of \$162.1 million, primarily related to severance and asset write-down expenses. We expect to incur additional non-severance related restructuring charges of approximately \$11 million in 2021 to complete these actions.

In January 2021, we announced a restructuring in our ongoing efforts to improve operating efficiencies. The proposed actions are focused on streamlining processes and delivering increased efficiency in functional areas, while improving the productivity of our investments in innovation. As part of the restructuring plan, we intend to close R&D sites in Manukau, New Zealand and Cuxhaven, Germany, subject to appropriate local consultation processes. We will also reduce duplication and optimize structures in U.S. operations, marketing, manufacturing and quality central functions, and administrative areas. The restructuring will result in the elimination of approximately 350 positions around the world. We expect to record a majority of the charges totaling \$58 million to \$77 million in the first quarter of 2021, primarily consisting of severance and other cash charges.

The following table summarizes the activity in our reserves established in connection with restructuring activities:

	Exit costs	Severance	Total
Balance at December 31, 2018	\$ 9.3	\$ 35.1	\$ 44.4
Charges	—	19.3	19.3
Reserve adjustment <sup>(1)</sup>	—	(11.1)	(11.1)
Cash paid	(3.9)	(27.8)	(31.7)
Balance at December 31, 2019	5.4	15.5	20.9
Charges	0.7	155.8	156.5
Reserve adjustment <sup>(1)(2)</sup>	(3.4)	(0.8)	(4.2)
Cash paid	(2.7)	(40.8)	(43.5)
Balance at December 31, 2020	\$ —	\$ 129.7	\$ 129.7

(1) Reserve adjustment represents the reversal of reserves for severance programs that are no longer active.

(2) Primarily represents to a favorable true-up related to a lease termination from a previous restructuring program.

These reserves are included in other current and noncurrent liabilities on the consolidated balance sheets. Substantially all of the reserves are expected to be paid in the next 18 months primarily due to certain country negotiations and regulations. We believe that the reserves are adequate.

## Note 8. Inventories

We state all inventories at the lower of cost or net realizable value. We use the last-in, first-out (LIFO) method for a portion of our inventories located in the continental U.S. Other inventories are valued by the first-in, first-out (FIFO) method or the weighted average cost method.

Inventories at December 31 consisted of the following:

	2020	2019
Finished products	\$ 771.4	\$ 402.9
Work in process	625.2	603.2
Raw materials and supplies	210.2	83.9
Total	1,606.8	1,090.0
Decrease to LIFO cost	(28.7)	(39.3)
Inventories	\$ 1,578.1	\$ 1,050.7

Inventories valued under the LIFO method comprised \$233.6 million and \$197.2 million of total inventories at December 31, 2020 and 2019, respectively.

During the year ended December 31, 2018, we recognized \$38.6 million of inventory write-offs in cost of sales primarily related to the suspension of commercial activities for *Imrestor*.

## Note 9. Equity

### Common Stock Offering

On January 22, 2020, we entered into an underwriting agreement in which we agreed to sell approximately 22.7 million shares of our common stock at a public offering price of \$32.00 per share. In connection with the offering, we granted the underwriters an option to purchase up to an additional 2.3 million shares, which was exercised in full on January 23, 2020. As a result, we issued and sold a total of approximately 25.0 million shares of our common stock for \$767.5 million, after issuance costs.

### Tangible Equity Unit (TEU) Offering

On January 22, 2020, we also completed our offering of 11 million, 5.00% TEUs. Total proceeds, net of issuance costs, were \$528.5 million. Each TEU, which has a stated amount of \$50, is comprised of a prepaid stock purchase contract (prepaid stock) and a senior amortizing note due February 1, 2023. Subsequent to issuance, each TEU may be legally separated into the two components. The prepaid stock is considered a freestanding financial instrument, indexed to Elanco common stock, and meets the conditions for equity classification.

The value allocated to the prepaid stock is reflected net of issuance costs in additional paid-in capital. The value allocated to the senior amortizing notes is reflected in long-term debt on the consolidated balance sheet, with payments expected in the next twelve months reflected in current portion of long-term debt. Issuance costs related to the amortizing notes are reflected as a reduction of the carrying amount and will be amortized through the maturity date using the effective interest rate method.

The proceeds from the issuance were allocated to equity and debt based on the relative fair value of the respective components of each TEU as follows:

	Equity Component	Debt Component	Total
Fair value per unit	\$ 42.80	\$ 7.20	\$ 50.00
Gross proceeds	\$ 470.8	\$ 79.2	\$ 550.0
Less: Issuance costs	18.4	3.1	21.5
Net proceeds	\$ 452.4	\$ 76.1	\$ 528.5

The senior amortizing notes have an aggregate principal amount of \$79.2 million and bear interest at 2.75% per year. On each February 1, May 1, August 1, and November 1 until the maturity date, we will pay equal quarterly cash installments of \$0.6250 per each amortizing note with an initial principal amount of \$7.2007 (except for the first installment payment of \$0.6528 per amortizing note paid on May 1, 2020). Each installment constitutes a payment of interest and partial payment of principal, and in the aggregate will be equivalent to 5.00% per year with respect to the \$50 stated amount per TEU.

Unless settled early at the holder's or our election, each prepaid stock purchase contract will automatically settle on February 1, 2023 (the mandatory settlement date) for a number of shares of common stock per contract based on the average of the volume-weighted average trading prices during the 20 consecutive trading day period beginning on, and including the 21st scheduled trading day immediately preceding February 1, 2023 (applicable market value) with reference to the following settlement rates:

Applicable Market Value	Common Stock Issued
Equal to or greater than \$38.40	1.3021 shares (minimum settlement rate)
Less than \$38.40, but greater than \$32.00	\$50 divided by applicable market value
Less than or equal to \$32.00	1.5625 (maximum settlement rate)

The prepaid stock purchase contracts are mandatorily convertible into a minimum of 14.3 million shares or a maximum of 17.2 million shares of our common stock on the mandatory settlement date (unless redeemed by us or settled earlier at the unit holder's option). The 14.3 million minimum shares are included in the calculation of basic

weighted average shares outstanding. The difference between the minimum and maximum shares represents potentially dilutive securities, which are included in the calculation of diluted weighted average shares outstanding on a pro rata basis to the extent that the average applicable market value is higher than \$32.00 but is less than \$38.40 during the period.

#### Note 10. Debt

Long-term debt as of December 31 consisted of the following:

	2020	2019
Term loan B credit facility	\$ 4,164.3	\$ —
Term credit facility	—	371.4
3.912% Senior Notes due 2021	500.0	500.0
4.272% Senior Notes due 2023	750.0	750.0
4.900% Senior Notes due 2028	750.0	750.0
TEU amortizing notes	59.8	—
Other obligations	0.5	0.4
Unamortized debt issuance costs	(97.7)	(16.8)
	<u>6,126.9</u>	<u>2,355.0</u>
Less current portion of long-term debt	554.5	24.5
Total long-term debt	<u>\$ 5,572.4</u>	<u>\$ 2,330.5</u>

Maturities on long-term debt consisted of the following:

#### As of and for the years ending December 31

2021	\$ 568.9
2022	69.6
2023	799.6
2024	42.8
2025	39.9
2026 and thereafter	4,703.3
Total obligations and commitments	<u>6,224.1</u>
Unamortized debt issuance costs and other obligations	(97.2)
Total debt	<u>\$ 6,126.9</u>

## **New Credit Facility**

In connection with the acquisition of Bayer Animal Health, on August 1, 2020, we executed our previously announced borrowing of \$4,275.0 million under a term loan B credit facility, of which \$4,164.3 million was outstanding as of December 31, 2020. The term loan B facility bears interest at a floating rate of LIBOR plus 175 basis points over a seven-year term.

Simultaneously, we entered into a revolving credit facility providing up to \$750.0 million (with incremental capacity available if certain conditions are met) and maturing over a five-year term. The revolving credit facility bears interest at LIBOR plus an applicable margin ranging between 1.50% and 2.25% per annum based on our corporate family rating or corporate credit rating. We capitalized approximately \$9.1 million of debt issuance costs associated with our revolving credit facility, which is classified as other noncurrent assets on the consolidated balance sheet. In 2020, we drew down and subsequently repaid \$450.0 million on the revolving credit facility to fund local country asset purchases in connection with our acquisition of Bayer Animal Health subsidiaries. Pursuant to the stock and asset purchase agreement, Bayer has reimbursed us for these purchases. In February 2021, we drew down \$150.0 million on the revolving credit facility to fulfill working capital needs.

We have capitalized deferred financing costs of approximately \$90.2 million, consisting of legal, accounting and other fees relating to our new credit facility. Deferred financing costs are recorded as a contra-liability and presented net against long-term debt on the consolidated balance sheet. Upon closing the acquisition of Bayer Animal Health on August 1, 2020, we terminated our unused commitments and incurred approximately \$13.8 million in fees, which are included in other expense (income), net in the consolidated and combined statement of operations.

Proceeds from the equity and debt activities were used to finance the cash portion of our acquisition of Bayer Animal Health and to pay related fees and expenses (see Note 6: Acquisitions and Divestitures for further discussion). Subsequent to these borrowings, we have terminated all unused commitments to our lenders.

These senior secured first lien credit facilities are secured by a significant portion of our assets. They include two financial maintenance covenants which are solely for the benefit of lenders under the revolving credit facility. There are no financial maintenance covenants for the benefit of the term loan B facility. The lenders under the term loan B facility have no enforcement rights with respect to the financial maintenance covenants for the revolving credit facility.

The first financial maintenance covenant for the revolving credit facility requires us to maintain a net total leverage ratio level (which is not subject to step-downs) as of the end of each quarter, beginning with the fiscal quarter ending September 30, 2020. The required level of this covenant is based on closing date pro forma net leverage and pro forma adjusted earnings before interest, taxes, depreciation and amortization (EBITDA) not exceeding 7.71 to 1.00 of our pro forma adjusted EBITDA for the four fiscal quarters ended December 31, 2020.

The second financial maintenance covenant for the revolving credit facility requires us to maintain a ratio of pro forma adjusted EBITDA to cash interest expense of no less than 2.00 to 1.00, tested as of the end of each fiscal quarter, beginning with the fiscal quarter ended September 30, 2020. We were in compliance with all covenants under the credit facility as of December 31, 2020.

## **Debt Extinguishment**

On January 31, 2020, we repaid indebtedness outstanding under our existing term loan facility. We paid \$372.4 million in cash, composed of \$371.4 million of principal and \$1.0 million of accrued interest, resulting in a debt extinguishment loss of \$0.8 million (recognized in interest expense, net of capitalized interest in the consolidated and combined statement of operations for the year ended December 31, 2020), primarily related to the write-off of deferred debt issuance costs.

On September 25, 2020, we made a repayment of principal of \$100.0 million on the indebtedness outstanding under our new term loan B facility. The repayment was accounted for as a partial debt extinguishment and resulted in a debt extinguishment loss of \$2.1 million (recognized in interest expense, net of capitalized interest in the consolidated and combined statement of operations for the year ended December 31, 2020), primarily related to the write-off of deferred debt issuance costs.

## **TEU Amortizing Notes**

On January 22, 2020, we issued \$550 million in TEUs. We offered 11 million, 5.00% TEUs at the stated amount of \$50 per unit, comprised of prepaid stock purchase contracts and a senior amortizing note due February 1, 2023 (the mandatory settlement date). Total cash of \$528.5 million was received, comprised of \$452.4 million of prepaid stock purchase contracts and \$76.1 million of senior amortizing notes, net of issuance costs. We paid \$20.9 million representing partial payment of principal and interest on the TEU amortizing notes during the year ended December 31, 2020. See Note 9: Equity for further information.

## **Note 11. Financial Instruments and Fair Value**

Financial instruments that are potentially subject to credit risk consist principally of trade receivables. We evaluate the creditworthiness of our customers on a regular basis, monitor economic conditions, and calculate allowances for estimated credit losses on our trade receivables on a quarterly basis using an expected credit loss model. We assess whether collectability is probable at the time of sale and on an ongoing basis. Collateral is generally not required. The risk associated with this concentration is mitigated by our ongoing credit-review procedures.

A large portion of our cash is held by a few major financial institutions. We monitor the exposure with these institutions and do not expect any of these institutions to fail to meet their obligations. All highly liquid investments with a maturity of three months or less from the date of purchase are considered to be cash equivalents. The cost of these investments approximates fair value. We also consider the carrying value of restricted cash balances to be representative of its fair value.

As of December 31, 2020 and 2019, we had \$33.4 million and \$18.8 million, respectively, of investments included in other noncurrent assets in our consolidated balance sheet. These include investments with readily determinable fair values, investments without readily determinable fair values, and equity method investments. We recorded a net unrealized gain related to our equity securities held during 2020 of \$11.0 million. Unrealized net gains and losses in 2019 and 2018 were immaterial.

The following table summarizes the fair value information at December 31, 2020 and 2019 for foreign exchange contract assets (liabilities), contingent consideration liabilities, net investment hedge assets (liabilities) and cash flow hedge assets (liabilities) measured at fair value on a recurring basis in the respective balance sheet line items, as well as long-term debt (including TEU amortizing notes) for which fair value is disclosed on a recurring basis:

Financial statement line item	Carrying Amount	Fair Value Measurements Using			Fair Value
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
<b>December 31, 2020</b>					
Prepaid expenses and other - foreign exchange contracts not designated as hedging instruments	\$ 35.8	\$ —	\$ 35.8	\$ —	\$ 35.8
Other current liabilities - foreign exchange contracts not designated as hedging instruments	(36.1)	—	(36.1)	—	(36.1)
Other noncurrent liabilities - contingent consideration	(0.8)	—	—	(0.8)	(0.8)
Other noncurrent liabilities - forward-starting interest rate contracts designated as cash flow hedges	(75.8)	—	(75.8)	—	(75.8)
Long-term debt - senior notes	(2,000.0)	—	(2,218.3)	—	(2,218.3)
TEU amortizing notes	(59.8)	—	(58.4)	—	(58.4)
Term loan B	(4,164.3)	—	(4,143.7)	—	(4,143.7)
<b>December 31, 2019</b>					
Prepaid expenses and other - foreign exchange contracts not designated as hedging instruments	\$ 0.8	\$ —	\$ 0.8	\$ —	\$ 0.8
Other current liabilities - foreign exchange contracts not designated as hedging instruments	(1.1)	—	(1.1)	—	(1.1)
Other noncurrent liabilities - contingent consideration	(4.7)	—	—	(4.7)	(4.7)
Other noncurrent assets - cross currency interest rate contracts designated as net investment hedges	2.3	—	2.3	—	2.3
Long-term debt - senior notes	(2,000.0)	—	(2,120.6)	—	(2,120.6)
Long-term debt - term credit facility <sup>(1)</sup>	(371.4)	—	(371.4)	—	(371.4)

(1) We consider the carrying value to be representative of its fair value because of the variable interest rate associated with this instrument.

We determine our Level 2 fair value measurements based on a market approach using quoted market values or significant other observable inputs for identical or comparable assets or liabilities.

Contingent consideration liabilities as of December 31, 2020 and December 31, 2019 related to contingent consideration associated with the acquisitions of Aratana and Prevtec during 2019. For Aratana, we will pay up to \$12 million in contingent value rights that are dependent on the achievement of a specified milestone as outlined in the merger agreement. For Prevtec, based on the terms of the purchase agreement, we will pay up to \$16.3 million contingent upon the achievement of specific *Coliprotec* sales milestones by December 31, 2021. The fair value of both contingent consideration liabilities was estimated using the Monte Carlo simulation model and Level 3 inputs including historical revenue, discount rate, asset volatility, and revenue volatility. During the year ended

December 31, 2020, primarily as a result of a decrease in forecasted revenues related to *Coliprotec*, we decreased the fair value of the contingent consideration liability associated with the *Prevtec* acquisition by \$3.9 million, and recognized the gain in other expense (income), net in the consolidated and combined statement of operations. See Note 6: Acquisitions and Divestitures for further discussion.

### **Derivative Instruments and Hedging Activities**

We are exposed to market risks, such as changes in foreign currency exchange rates and interest rates. To manage the volatility related to these exposures, we have entered into various derivative transactions. We formally assess, designate and document, as a hedge of an underlying exposure, each qualifying derivative instrument that will be accounted for as an accounting hedge at inception. Additionally, we assess, both at inception and at least quarterly thereafter, whether the financial instruments used in the hedging transaction are effective at offsetting changes in either the fair values or cash flows of the underlying exposures.

#### *Derivatives Not Designated as Hedges*

We may enter into foreign exchange forward or option contracts to reduce the effect of fluctuating currency exchange rates. These derivative financial instruments primarily offset exposures in the British pound, Canadian dollar, Euro, Japanese yen, Swiss franc (CHF), and Chinese renminbi. Foreign currency derivatives used for hedging are put in place using the same or like currencies and duration as the underlying exposures and are recorded at fair value with the gain or loss recognized in other expense (income), net in the consolidated and combined statements of operations. Forward contracts generally have maturities not exceeding 12 months. At December 31, 2020 and December 31, 2019, we had outstanding foreign exchange contracts with aggregate notional amounts of \$1,391.3 million and \$861.2 million, respectively.

The amount of net gain/(loss) on derivative instruments not designated as hedging instruments, recorded in other expense (income), net are as follows:

	For the Year Ended December 31,		
	2020	2019	2018
Foreign exchange forward contracts <sup>(1)</sup>	\$ (4.0)	\$ (4.5)	\$ 7.9

(1) These amounts were substantially offset in other expense (income), net by the effect of changing exchange rates on the underlying foreign currency exposures.

#### *Derivatives Designated as Hedges*

In October 2018, as a means of mitigating the impact of currency fluctuations on our operations in Switzerland, we entered into a five-year cross-currency fixed interest rate swap with a 750 million CHF notional amount, which was designated as a net investment hedge (NIH) against CHF denominated assets (the fair value of which was estimated based on quoted market values of similar hedges and was classified as Level 2). During the year ended December 31, 2020, we fully liquidated our cross currency interest rate swaps for a cash benefit of \$35.1 million (including \$2.4 million in interest). Notwithstanding settlement, gains and losses within accumulated other comprehensive income (loss) will remain in accumulated other comprehensive income (loss) until either the sale or substantial liquidation of the hedged subsidiary.

Gains on the NIH, recognized within interest expense, net of capitalized interest, are as follows:

	For the Year Ended December 31,		
	2020	2019	2018
Cross-currency interest rate swap contracts	\$ 6.2	\$ 25.1	\$ 5.6



Over the life of the derivative, gains or losses due to spot rate fluctuations were recorded in cumulative translation adjustment in other comprehensive income (loss). The amounts of net gains on interest rate swap contracts, recorded, net of tax, in accumulated other comprehensive income (loss), are as follows:

	For the Year Ended December 31,		
	2020	2019	2018
Cross-currency interest rate swap contracts	\$ 24.0	\$ 7.7	\$ (5.9)

Separately, in March 2020, as a means of mitigating variability in cash flows associated with the anticipated term loan B issuance, we executed forward-starting interest rate swaps with a \$4.05 billion notional amount, which are designated as cash flow hedges and have maturity dates ranging between 2022 and 2025. These instruments effectively convert floating-rate debt to fixed-rate debt. The cash flow hedges are recorded at fair value on our consolidated balance sheet, while changes in the fair value of the hedge are recognized in other comprehensive income (loss). Fair value is estimated based on quoted market values of similar hedges and is classified as Level 2. Amounts recorded in accumulated other comprehensive income (loss) will be recognized in earnings in interest expense, net of capitalized interest when the hedged transaction affects earnings (i.e., when interest payments are accrued on the term loan B). During the year ended December 31, 2020, we recorded a loss of \$60.4 million (net of tax benefit of \$15.4 million), on the cash flow hedges in other comprehensive income (loss). Over the next 12 months we expect to reclassify \$28.5 million from accumulated other comprehensive income (loss) to interest expense, net of capitalized interest due to the amortization of net losses on the interest rate swaps. During the year ended December 31, 2020, we reclassified \$7.0 million of net losses into interest expense.

## Note 12. Goodwill and Intangibles

### Goodwill

Goodwill was \$6.2 billion and \$3.0 billion as of December 31, 2020 and 2019. Goodwill results from excess consideration in a business combination over the fair value of identifiable net assets acquired. Goodwill is not amortized but is reviewed for impairment at least annually and when impairment indicators are present. Goodwill may be impaired if the carrying amount of a reporting unit exceeds the fair value of that reporting unit, calculated as based on discounted cash flows. An impairment charge would be recorded for the excess, if any, of the reporting unit's carrying amount over its fair value, but not to exceed the total amount of goodwill allocated to the reporting unit. The estimated fair value is based on a number of assumptions, including current market capitalization as corroboration of fair value. See Note 6: Acquisitions and Divestitures for further discussion of goodwill resulting from recent business combinations and changes in the carrying amount of goodwill.

The following table summarizes the changes in the carrying amount of goodwill during the period:

Balance as of December 31, 2019	\$ 2,989.6
Aratana measurement period adjustments	19.9
Additions related to the Bayer Animal Health acquisition	2,921.6
Foreign currency translation adjustments	293.7
Balance as of December 31, 2020	<u>\$ 6,224.8</u>

No impairments occurred with respect to the carrying value of goodwill for the years ended December 31, 2020, 2019 and 2018.

## Other Intangibles

The components of intangible assets other than goodwill at December 31 were as follows:

Description	2020			2019		
	Carrying Amount, Gross	Accumulated Amortization	Carrying Amount, Net	Carrying Amount, Gross	Accumulated Amortization	Carrying Amount, Net
Finite-lived intangible assets:						
Marketed products	\$ 7,393.7	\$ (1,342.1)	\$ 6,051.6	\$ 3,302.7	\$ (980.6)	\$ 2,322.1
Software	346.3	(108.0)	238.3	159.2	(72.2)	87.0
Other	61.8	(39.4)	22.4	58.3	(34.0)	24.3
Total finite-lived intangible assets	7,801.8	(1,489.5)	6,312.3	3,520.2	(1,086.8)	2,433.4
Indefinite-lived intangible assets:						
Acquired in-process research and development	75.0	—	75.0	49.4	—	49.4
Other intangibles	\$ 7,876.8	\$ (1,489.5)	\$ 6,387.3	\$ 3,569.6	\$ (1,086.8)	\$ 2,482.8

Marketed products consist of the amortized cost of the rights to assets acquired in business combinations and approved for marketing in a significant global jurisdiction. For transactions other than a business combination, we capitalize milestone payments incurred at or after the product has obtained regulatory approval for marketing.

Software consists of certain costs incurred in connection with obtaining or developing internal-use software, including payroll and payroll-related costs for employees directly associated with the internal-use software projects and direct costs of external resources. These costs include software classified as "in process" until the project is substantially complete and the software is ready for its intended purpose, at which point the costs are amortized on a straight-line basis over the estimated useful life. Depreciation expense includes \$35.0 million in 2020, \$20.4 million in 2019, and \$18.4 million in 2018 for amortization of software.

Other finite-lived intangibles consist primarily of the amortized cost of licensed platform technologies that have alternative future uses in research and development, manufacturing technologies and customer relationships from business combinations. Acquired IPR&D consists of the related costs capitalized, adjusted for subsequent impairments, if any. The costs of acquired IPR&D projects acquired directly in a transaction other than a business combination are capitalized if the projects have an alternative future use; otherwise, they are expensed immediately. The fair values of acquired IPR&D projects acquired in business combinations are capitalized as other intangible assets.

Several methods may be used to determine the estimated fair value of marketed products, IPR&D, and other finite-lived intangibles acquired in a business combination. We utilize the "income method" for these intangibles. This method is a Level 3 fair value measurement and applies a probability weighting that considers the risk of development and commercialization to the estimated future net cash flows that are derived from projected revenues and estimated costs. These projections are based on factors such as relevant market size, patent protection, historical pricing of similar products and expected industry trends. The estimated future net cash flows are then discounted to the present value using an appropriate discount rate. This analysis is performed for each group of assets independently. The acquired IPR&D assets are treated as indefinite-lived intangible assets until completion or abandonment of the projects, at which time the assets are tested for impairment and amortized over the remaining useful life or written off, as appropriate.

During 2020, we added approximately \$65.0 million of IPR&D and \$3,950.0 million of marketed products as a result of the Bayer Animal Health acquisition. See Note 6: Acquisitions and Divestitures for further discussion of intangible assets acquired in recent business combinations.

Indefinite-lived intangible assets are reviewed for impairment at least annually and when impairment indicators are present. The fair value of the indefinite lived intangible assets (acquired IPR&D) is estimated using the same assumptions as used for goodwill and by applying a probability weighting that reflects the risk of development and commercialization to the estimated future net cash flows that are derived from projected revenues and estimated

costs. Finite-lived intangible assets are reviewed for impairment when an indicator of impairment is present. We compare the carrying amounts of the assets with the estimated undiscounted future cash flows. In the event the carrying amount exceeds the undiscounted cash flows, an impairment charge is recorded for the amount by which the carrying amount of the asset exceeds the estimated fair value, which is determined based on discounted future cash flows.

During 2020, we recorded impairment charges of \$17.5 million (comprised of \$9.3 million impairment of acquired IPR&D and \$8.2 million impairment of marketed products) which are included in asset impairment, restructuring and other special charges in the consolidated and combined statements of operations. The impairment to acquired IPR&D related to reassessments of geographic viability and project priority, which was partially prompted by the addition of the Bayer Animal Health IPR&D pipeline. The impairment of marketed products related to adjustments made to record assets classified as held for sale at the lower of their carrying amounts or fair values less costs to sell.

During 2019, we recorded impairment charges of \$11.4 million primarily related to indefinite-lived intangible assets which are included in asset impairment, restructuring and other special charges on the consolidated and combined statements of operations. The impairment of indefinite-lived intangible assets primarily related to product rationalization.

During 2018, we recorded impairment charges of \$22.5 million (comprised of \$9.5 million impairment of finite-lived intangible assets and \$13.0 million impairment of indefinite-lived intangible assets) which are included in asset impairment, restructuring and other special charges on the consolidated and combined statements of operations. The impairment of finite-lived intangible assets primarily related to competitive pressures for a certain marketed product resulting in a reduction of projected cash flows. The impairment of indefinite-lived intangible assets primarily related to revised projections of fair value due to competitive pressures and to a lesser extent product rationalization.

Intangible assets with finite lives are capitalized and are amortized over their estimated useful lives, ranging from 3 to 20 years. As of December 31, 2020, the remaining weighted-average amortization periods for finite-lived intangible assets are as follows:

	Weighted Average Life (Years)
Marketed products	11
Software	4
Other	8

The estimated amortization expense for each of the next five years associated with our finite-lived intangible assets as of December 31, 2020 is as follows:

	2021	2022	2023	2024	2025
Estimated amortization expense	\$ 586.5	\$ 585.8	\$ 585.5	\$ 581.0	\$ 563.2

### Note 13. Property and Equipment

Property and equipment is stated on the basis of cost. Provisions for depreciation of buildings and equipment are computed generally by the straight-line method at rates based on their estimated useful lives (12 to 50 years for buildings and 3 to 25 years for equipment). We review the carrying value of long-lived assets for potential impairment on a periodic basis and whenever events or changes in circumstances indicate the carrying value of an asset may not be recoverable. Impairment is determined by comparing projected undiscounted cash flows to be generated by the asset to its carrying value. If an impairment is identified, a loss is recorded equal to the excess of the asset's net book value over its fair value utilizing a discounted cash flow analysis, and the cost basis is adjusted.

At December 31, property and equipment consisted of the following:

	2020	2019
Land	\$ 46.0	\$ 28.3
Buildings	756.0	608.5
Equipment	1,360.6	1,109.4
Construction in progress	191.0	139.1
Finance lease asset	0.6	0.5
	2,354.2	1,885.8
Less accumulated depreciation	(1,037.9)	(930.5)
Property and equipment, net	<u>\$ 1,316.3</u>	<u>\$ 955.3</u>

Depreciation expense related to property and equipment was as follows:

	2020	2019	2018
Depreciation expense	\$ 122.0	\$ 93.7	\$ 81.3

#### Note 14. Leases

We determine if an arrangement is a lease at inception. We have operating leases for corporate offices, research and development facilities, vehicles, and equipment. Our leases have remaining lease terms of one to 15 years, some of which have options to extend or terminate the leases. Finance leases are included in property and equipment, current portion of long-term debt, and long-term debt in our consolidated balance sheet. Finance leases are not material to our consolidated and combined statements of operations, consolidated balance sheet, or consolidated and combined statement of cash flows. Beginning January 1, 2019, operating leases are included in noncurrent assets, other current liabilities, and other noncurrent liabilities in our consolidated balance sheet.

Right-of-use assets included in noncurrent assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Right-of-use assets and operating lease liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, we use our incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. We use the implicit rate if it is readily determinable. The right-of-use asset also includes any lease payments made and excludes lease incentives. Our lease terms may include options to extend or terminate the lease when it is reasonably certain and there is a significant economic incentive to exercise that option.

Operating lease expense for right-of-use assets is recognized on a straight-line basis over the lease term. Variable lease payments, which represent lease payments that vary due to changes in facts or circumstances occurring after the commencement date other than the passage of time, are expensed in the period in which the obligation for these payments was incurred.

We elected not to apply the recognition requirements of ASC 842, *Leases*, to short-term leases, which are deemed to be leases with a lease term of 12 months or less. Instead, we recognize lease payments in the consolidated and combined statements of operations on a straight-line basis over the lease term and variable payments in the period in which the obligation for these payments are incurred. We elected this policy for all classes of underlying assets. We elected not to apply the practical expedient related to the separation of lease and non-lease components or the practical expedient which allows entities to use hindsight when determining lease term.

The impact of operating leases to our consolidated and combined financial statements for the years ended December 31, was as follows:

	2020	2019
<b>Lease cost</b>		
Operating lease cost	\$ 38.4	\$ 26.1
Short-term lease cost	1.2	0.5
Variable lease cost	2.8	2.5
Total lease cost <sup>(1)</sup>	<u>\$ 42.4</u>	<u>\$ 29.1</u>
<b>Other information</b>		
Operating cash outflows from operating leases	\$ 35.9	\$ 24.0
Right-of-use assets obtained in exchange for new operating lease liabilities <sup>(2)</sup>	138.2	20.1
Weighted-average remaining lease term - operating leases	8.2 years	5.1 years
Weighted-average discount rate - operating leases	3.8 %	3.6 %

(1) Rental expense for all leases was \$47.5 million for the year ended December 31, 2018.

(2) Includes approximately \$15.7 million of right-of-use assets acquired in the Bayer Animal Health acquisition.

Supplemental balance sheet information related to our operating leases is as follows:

Asset/Liability	Balance Sheet Classification	December 31, 2020	December 31, 2019
Right-of-use assets	Other noncurrent assets	\$ 187.1	\$ 85.0
Current operating lease liabilities	Other current liabilities	37.0	23.7
Non-current operating lease liabilities	Other noncurrent liabilities	151.4	61.7

As of December 31, 2020, the annual minimum lease payments of our operating lease liabilities were as follows:

2021	\$ 43.5
2022	35.6
2023	26.5
2024	18.9
2025	16.7
2026 and thereafter	83.4
Total lease payments	<u>224.6</u>
Less imputed interest	(36.2)
Total	<u>\$ 188.4</u>

### **Australia Sale-Leaseback**

On June 26, 2020, our wholly-owned subsidiary, Elanco Australasia PTY LTD, sold land and an R&D facility located in New South Wales, Australia, for aggregate proceeds of \$55.1 million, and leased the property back for an initial term of 15 years through a sale-leaseback transaction. Under the terms of the purchase and sale agreement, we determined that control of the assets was relinquished to the buyer-lessor. Therefore, we recognized a pre-tax gain on the sale of \$45.6 million in other expense (income), net in the consolidated and combined statement of operations during the year ended December 31, 2020. Operating lease right-of-use assets and liabilities include the present value of \$27.8 million for the associated lease payments, which are presented in other noncurrent assets and other noncurrent liabilities and other current liabilities on the consolidated balance sheet.

## Note 15. Stock-Based Compensation

### Elanco Stock Compensation Plans

The 2018 Elanco Stock Plan (Plan) provides long-term incentives to attract, motivate and retain employees and non-employee directors. The types of stock-based awards available include, but are not limited to, restricted stock units (RSUs), performance-based awards (PAs), and stock options. Our practices and policies specify that stock-based compensation awards are approved by the Compensation Committee of the Board of Directors. The Plan initially authorized the issuance of up to 5.5 million common shares (subject to adjustments for certain events). Pursuant to the terms of the Plan, an additional 5.5 million common shares became automatically available for all awards upon completion of the Separation. The total number of shares authorized for stock-based compensation awards is 11 million as of December 31, 2020.

#### Stock-Based Compensation Expense

Components of stock-based compensation expense and related tax benefit for the years ended December 31 were as follows:

	2020	2019	2018
Stock-based compensation expense <sup>(1)</sup>	\$ 47.7	\$ 40.7	\$ 1.8
Related tax benefit	(8.1)	(9.8)	(0.4)

(1) Includes the impact of estimated forfeitures

#### Restricted Stock Units

RSUs are granted to certain employees and are settled in shares of our common stock. RSU shares are accounted for at fair value based upon the closing stock price on the date of the grant. The corresponding expense is amortized over the vesting period, typically three years. The number of shares ultimately issued for the RSU program remains constant with the exception of forfeitures.

RSUs granted to employees for the years ended December 31 were as follows:

(Units in millions)	2020	2019	2018
Granted units	1.3	2.9	0.2
Weighted-average fair value	\$ 27.44	\$ 31.22	\$ 31.09

Changes in the nonvested portion of RSUs for 2020 are summarized below:

(Shares in millions)	Shares	Weighted-Average Grant Date Fair Value
Nonvested units at January 1, 2020	2.2	\$ 30.42
Granted	1.3	27.44
Vested	(1.0)	30.64
Forfeited	(0.1)	30.01
Nonvested units at December 31, 2020	2.4	28.90

The fair market value of RSUs vesting in 2020 and 2019 was \$32.5 million and \$23.4 million, respectively. No RSUs vested in 2018.

As of December 31, 2020 the total remaining unrecognized stock-based compensation expense related to nonvested RSUs was \$28.2 million, which is expected to be amortized over a weighted-average remaining requisite service period of 19 months.

### Performance-Based Awards

PAs, which are granted to eligible officers and management, represent the right to receive a share of our common stock and are subject to forfeiture until restrictions lapse (including continued employment through the end of the vesting period and achievement of certain pre-established metrics). Payouts can vary depending on achievement. PA shares are accounted for at fair value based upon the closing stock price on the date of grant and fully vest at the end of the measurement period. Stock-based compensation expense for PAs is recognized only if it is deemed probable that the performance condition will be achieved.

PA activity during the year ended December 31, 2020 is summarized below:

(Shares in millions)	Shares	Weighted-Average Grant Date Fair Value
Nonvested awards at January 1, 2020	0.8	\$ 25.75
Granted	0.5	27.78
Vested	(0.1)	25.93
Forfeited	—	—
Nonvested awards at December 31, 2020	1.2	26.63

The fair market value of PAs vesting in 2020 was \$1.6 million. No PAs vested in 2019 and 2018.

As of December 31, 2020, the total remaining unrecognized stock-based compensation expense related to nonvested PAs was \$9.5 million, which is expected to be amortized over a weighted-average remaining requisite service period of 12 months.

### Stock Option Program

Stock options represent the right to purchase shares of our common stock within a specified period of time at a specified price. The exercise price for a stock option will be not less than 100% of the fair market value of the common stock on the date of the grant.

We account for our employee stock options under the fair value method of accounting using a Black-Scholes-Merton valuation model to measure stock option expense at the date of grant. The corresponding expense is generally amortized on a straight-line basis over the vesting term.

Stock options were granted in 2018 to our officers, management and board members at exercise prices equal to the fair market value of our stock at the date of the grant. Options fully vest 3 years from the grant date and have a term of 10 years. No stock options were granted in 2020 and 2019.

The Black-Scholes-Merton model incorporates a number of valuation assumptions, which are noted in the following table, shown at their weighted-average values for the year ended December 31:

	2018
Expected dividend yield <sup>(1)</sup>	0.70 %
Risk-free interest rate <sup>(2)</sup>	3.07 %
Expected stock price volatility <sup>(3)</sup>	28.25 %
Expected term <sup>(4)</sup> (years)	6.5

- (1) Determined using the expected quarterly dividend divided by the available three-month average stock price as of the valuation date, annualized and continuously compounded.
- (2) Determined using the term-matched, zero-coupon risk-free rate from the Treasury Constant Maturity yield curve, continuously compounded
- (3) Determined using a leverage-adjusted historical volatility of peer companies
- (4) Determined using SEC safe harbor approach, based on a 3-year cliff vesting schedule and 10-year contractual term.

Stock option activity during the year ended December 31, 2020 is summarized below:

(Shares in millions)	Shares of Common Stock Attributable to Options	Weighted-Average Exercise Price of Options	Weighted-Average Remaining Contractual Term (Years)	Aggregate Intrinsic Value <sup>(1)</sup>
Outstanding at January 1, 2020	0.3	\$ 31.61		
Granted	—	—		
Exercised	—	—		
Forfeited or expired	—	—		
Outstanding at December 31, 2020	0.3	\$ 31.61	7.8	\$ —
Exercisable at December 31, 2020	—	—	—	—

(1) Market price of underlying Elanco common stock less exercise price. Options do not have an intrinsic value unless the market price exceeds the exercise price.

As of December 31, 2020, there was approximately \$1.1 million of unrecognized compensation costs related to nonvested stock options, which is expected to amortize over an expected remaining weighted-average period of 11 months.

The following table summarizes data related to our stock option activity:

	2019	2018
Weighted-average grant date fair value per stock option	\$ —	\$ 10.21
Aggregate intrinsic value on exercise	0.10	—
Cash received upon exercise	1.9	—

### **Treatment of Lilly Equity Awards**

Prior to the Separation, our employees participated in Lilly stock-based compensation plans, the cost of which was allocated to us and recorded in costs of sales, research and development, and marketing, selling and administrative expense in the consolidated and combined statements of operations. The cost of such plans related to our employees was \$0.0 million, \$5.1 million and \$26.0 million for the years ended December 31, 2020, 2019 and 2018, respectively.

Following the IPO and until completion of the exchange offer, the equity awards previously granted to our employees by Lilly continued to vest with Elanco service counting toward the Lilly award's vesting provisions. On March 11, 2019, Elanco completed the exchange offer whereby Lilly disposed of all of its shares of Elanco common stock owned by Lilly. As a result, our employees' unvested Lilly equity awards were forfeited and replaced with Elanco RSUs (replacement awards), which were equivalent in value and vest on the same date as their forfeited Lilly equity awards. These replacement awards are included in the RSU activity described above.

### **Note 16. Income Taxes**

Our income taxes for the year ended December 31, 2020 and 2019 reflect the results on a standalone basis independent of Lilly, except for the period during which we were included in a combined tax return until full separation. In the jurisdictions in which we were included in a combined tax return, our income taxes were determined based on the tax matters agreement between us and Lilly. Prior to the Separation, the income tax expense included in these financial statements has been calculated using the separate return basis as if Elanco filed separate tax returns.



We are included in Lilly's U.S. tax examinations by the Internal Revenue Service through the full separation date of March 11, 2019. Pursuant to the tax matters agreement we executed with Lilly in connection with the IPO, the potential liabilities or potential refunds attributable to pre-IPO periods in which Elanco was included in a Lilly consolidated or combined tax return remain with Lilly. The U.S. examination of tax years 2016 - 2018 began in the fourth quarter of 2019 and remains ongoing; therefore, the resolution of this audit period will likely extend beyond the next 12 months. Certain matters of Lilly's U.S. examination of tax years 2013 - 2015 settled in 2019 and the resulting adjustments did not require any cash tax payments by Elanco.

Deferred taxes are recognized for the future tax effects of temporary differences between financial and income tax reporting based on enacted tax laws and rates. We recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate resolution.

Following is the composition of income (loss) before income tax expense (benefit):

	2020	2019	2018
Federal	\$ (495.0)	\$ 55.5	\$ 12.2
Foreign	(177.0)	22.7	101.9
Income (loss) before income taxes	<u>\$ (672.0)</u>	<u>\$ 78.2</u>	<u>\$ 114.1</u>

Following is the composition of income tax expense (benefit):

	2020	2019	2018
Current:			
Federal	\$ (36.0)	\$ (5.5)	\$ 45.1
Foreign	55.6	13.4	45.5
State	(6.7)	2.3	(2.3)
Total current tax expense	<u>12.9</u>	<u>10.2</u>	<u>88.3</u>
Deferred:			
Federal	(8.0)	14.5	(56.8)
Foreign	(124.7)	(7.5)	(5.6)
State	7.9	(6.9)	1.7
Total deferred tax expense (benefit)	<u>(124.8)</u>	<u>0.1</u>	<u>(60.7)</u>
Income tax expense (benefit)	<u>\$ (111.9)</u>	<u>\$ 10.3</u>	<u>\$ 27.6</u>

Significant components of our deferred tax assets and liabilities as of December 31 are as follows:

	2020	2019
Deferred tax assets:		
Compensation and benefits	\$ 68.5	\$ 25.3
Accruals and reserves	88.7	13.7
Tax credit carryovers	33.9	12.8
Tax loss carryovers	168.4	69.5
Inventories	18.5	20.1
Restructuring and other reserves	32.8	24.6
Operating lease liabilities	48.4	20.5
Other	24.9	2.3
Total gross deferred tax assets	484.1	188.8
Valuation allowances	(94.4)	(32.7)
Total deferred tax assets	389.7	156.1
Deferred tax liabilities:		
Right-of-use assets	(48.4)	(20.5)
Intangibles	(1,043.6)	(134.5)
Property and equipment	(114.8)	(56.4)
Other	—	(0.6)
Total deferred tax liabilities	(1,206.8)	(212.0)
Deferred tax liabilities - net	\$ (817.1)	\$ (55.9)

The deferred tax assets and related valuation allowance amounts for U.S. federal and state net operating losses and tax credits shown above have been adjusted for differences between financial reporting and tax return filings.

At December 31, 2020, we have tax credit carryovers of \$33.9 million available to reduce future income taxes. The amount is comprised of foreign, U.S. federal and state credits. The foreign credits total \$6.5 million and if unused, will begin to expire in 2036. The U.S. federal credits total \$19.6 million and if unused, will begin to expire in 2030. The state credits total \$7.8 million and if unused, will begin to expire in 2021. The U.S. federal credits are subject to a partial valuation allowance and state credits are subject to a full valuation allowance.

At December 31, 2020, we have net operating loss carryovers and other carryovers for foreign, U.S. federal and state income tax purposes of \$168.4 million: \$50.4 million will expire between 2021 and 2042; and \$118.0 million of the carryovers have an indefinite carryforward period. Net operating losses and other carryovers for foreign and state income tax purposes are subject to a partial valuation allowance.

The movements in the valuation allowance are as follows:

	2020	2019
January 1	\$ (32.7)	\$ (21.4)
Increase	(74.9)	(23.2)
Release	13.2	11.9
December 31	\$ (94.4)	\$ (32.7)

The increase in the valuation allowance during 2020 is primarily attributable to the realizability of U.S. federal and state deferred tax assets as a result of U.S. pre-tax losses.

Deferred taxes are not provided on the unremitted earnings of subsidiaries outside of the United States because it is expected that these earnings will be reinvested indefinitely. For the amount considered to be indefinitely reinvested, it is not practicable to determine the amount of the related deferred income tax liability due to the complexities in the tax laws and assumptions we would have to make. Deferred taxes, including U.S. or foreign

withholding taxes, would be provided when we no longer consider our subsidiary earnings to be permanently invested, such as in situations where our subsidiaries plan to make future dividend distributions.

In accordance with the 2017 Tax Act, we treat taxes due on future Global Intangible Low-Taxed Income (GILTI) inclusions in U.S. taxable income as a current period expense when incurred.

Cash payments of income taxes were as follows:

	2020	2019	2018
Cash payments of income taxes	\$ 97.0	\$ 42.5	\$ 26.9

The following is a reconciliation of the income tax expense (benefit) applying the U.S. federal statutory rate to income before income taxes to reported income tax expense:

	2020	2019	2018
Income tax expense (benefit) at the U.S. federal statutory tax rate	\$ (141.1)	\$ 16.4	\$ 24.0
Add (deduct):			
Taxation of international operations	(14.6)	20.7	20.5
State taxes	(10.0)	2.9	4.4
Income tax credits	(23.6)	(9.8)	(17.3)
Non-deductible employee compensation	0.3	4.2	(1.9)
IPO and separation costs	—	—	2.3
Other permanent adjustments	17.9	(4.2)	(1.0)
Change in uncertain tax positions	(7.2)	(14.7)	(1.7)
Change in valuation allowance	66.4	(5.2)	(1.7)
Income tax expense (benefit)	<u>\$ (111.9)</u>	<u>\$ 10.3</u>	<u>\$ 27.6</u>

A reconciliation of the beginning and ending amount of gross unrecognized tax benefits is as follows:

	2020	2019	2018
Beginning balance at January 1	\$ 8.2	\$ 14.7	\$ 29.6
Adjustments related to Separation	—	(2.2)	(17.6)
Adjusted beginning balance at January 1	8.2	12.5	12.0
Additions based on tax positions related to the current year	0.1	1.3	2.2
Changes for tax positions of prior years	(2.1)	(1.2)	4.0
Settlements	(3.6)	(4.3)	(3.0)
Changes related to the impact of foreign currency translation	(0.1)	(0.1)	(0.5)
Ending balance at December 31	<u>\$ 2.5</u>	<u>\$ 8.2</u>	<u>\$ 14.7</u>

The total amount of unrecognized tax benefits that, if recognized, would affect tax expense was \$2.5 million and \$8.2 million at December 31, 2020 and 2019, respectively. Adjustments related to the Separation represent unrecognized tax benefits assumed by Lilly in the Separation and have no impact on income tax expense in the consolidated and combined financial statements.

We file income tax returns in the U.S. federal jurisdiction and various state, local and non-U.S. jurisdictions. Prior to full separation, certain of these income tax returns were filed on a consolidated or combined basis with Lilly.

We recognize both accrued interest and penalties related to unrecognized tax benefits in income tax benefit. We recognized income tax benefit related to interest and penalties as follows:

	2020	2019	2018
Income tax benefit	\$ (1.7)	\$ (10.6)	\$ (2.5)

At December 31, 2020 and 2019, our accruals for the payment of interest and penalties totaled \$1.3 million and \$3.0 million, respectively.

## Note 17. Commitments and Contingencies

### Legal matters

On May 20, 2020, a shareholder class action lawsuit captioned *Hunter v. Elanco Animal Health Inc., et al.* was filed in the United States District Court for the Southern District of Indiana (the Court) against Elanco, Jeffrey Simmons and Todd Young. On September 3, 2020, the Court appointed a lead plaintiff, and on November 9, 2020, the lead plaintiff filed an amended complaint. The lawsuit alleges, in part, that Elanco and certain of its executives made materially false and/or misleading statements and/or failed to disclose certain facts about Elanco's supply chain, inventory, revenue and projections. The lawsuit seeks unspecified monetary damages and purports to represent purchasers of Elanco securities between September 30, 2018 and May 6, 2020, and purchasers of Elanco common stock issued in connection with Elanco's acquisition of Aratana Therapeutics, Inc. We filed a motion to dismiss on January 13, 2021. The timing of the Court's decision is uncertain. We believe the claims made in the case are meritless, and we intend to vigorously defend our position. The process of resolving these matters is inherently uncertain and may develop over an extended period of time; therefore, at this time, the ultimate resolution cannot be predicted.

On October 16, 2020, a shareholder class action lawsuit captioned *Safron Capital Corporation v. Elanco Animal Health Inc., et al.* was filed in the Marion Superior Court of Indiana against Elanco, certain executives, and other individuals. On December 23, 2020, the plaintiffs filed an amended complaint adding an additional plaintiff. The lawsuit alleges, in part, that Elanco and certain of its executives made materially false and/or misleading statements and/or failed to disclose certain facts about Elanco's relationships with third party distributors and revenue attributable to those distributors within the registration statement on Form S-3/ASR dated January 21, 2020 and accompanying prospectus filed in connection with Elanco's public offering which closed on or about January 27, 2020. The lawsuit seeks unspecified monetary damages and purports to represent purchasers of Elanco common stock or 5.00% TEUs issued in connection with the public offering. This case is currently stayed in deference to *Hunter v. Elanco Animal Health Inc.* We believe the claims made in the case are meritless, and we intend to vigorously defend our position. The process of resolving these matters is inherently uncertain and may develop over an extended period of time; therefore, at this time, the ultimate resolution cannot be predicted.

We are party to various other legal actions in the normal course of business. In determining whether a pending matter is significant for financial reporting and disclosure purposes, we consider both quantitative and qualitative factors in order to assess materiality. We accrue for certain liability claims to the extent that it is probable we will incur a loss and we can formulate a reasonable estimate of the costs. As of December 31, 2020 and 2019, we had no material liabilities established related to litigation as there were no significant claims which were probable and estimable. We have not historically had any significant litigation expense and are not currently subject to a significant claim other than the lawsuits noted above.

## Note 18. Geographic Information

We operate as a single operating segment engaged in the development, manufacturing, marketing and sales of animal health products worldwide for both farm animals and pets. Consistent with our operational structure, our President and Chief Executive Officer (CEO), as the chief operating decision maker, makes resource allocation and business process decisions globally across our consolidated business. Strategic decisions are managed globally with global functional leaders responsible for determining significant costs/investments and with regional leaders responsible for overseeing the execution of the global strategy. Our global research and development organization is responsible for development of new products. Our manufacturing organization is responsible for the manufacturing and supply of products and for the optimization of our supply chain. Regional leaders are responsible for the distribution and sale of our products and for local direct costs. The business is also supported by global corporate staff functions. Managing and allocating resources at the global corporate level enables our CEO to assess the overall level of resources available and how to best deploy these resources across functions, product types, regional commercial organizations and research and development projects in line with our overarching long-term corporate-wide strategic goals, rather than on a product or geographic basis. Consistent with this decision-making process, our CEO uses consolidated, single-segment financial information for purposes of evaluating performance, allocating resources, setting incentive compensation targets, as well as forecasting future period financial results.

Our products include *Rumensin*, *Optaflexx*, *Denagard*, *Tylan*, *Maxiban*, *Baycox*, *Cydectin* and other products for livestock and poultry, as well as *Trifexis*, *Interceptor Plus*, *Comfortis*, *Galliprant*, *Seresto*, *Advantage*, *Advantix*, *Advocate* (collectively referred to as the *Advantage Family*) and other products for pets.

We have a single customer that accounted for 11.0%, 12.9% and 11.9% of revenue for the years ended December 31, 2020, 2019 and 2018, respectively. The product sales resulted in accounts receivable with this customer of \$87.4 million and \$90.5 million as of December 31, 2020 and 2019, respectively.

We are exposed to the risk of changes in social, political and economic conditions inherent in foreign operations and our results of operations and the value of our foreign assets are affected by fluctuations in foreign currency exchange rates.

Selected geographic area information was as follows:

	2020	2019	2018
Revenue — to unaffiliated customers <sup>(1)</sup> :			
United States	\$ 1,475.6	\$ 1,524.7	\$ 1,483.2
International	1,797.7	1,546.3	1,583.6
Revenue	<u>\$ 3,273.3</u>	<u>\$ 3,071.0</u>	<u>\$ 3,066.8</u>
		<u>December 31,</u> <u>2020</u>	<u>December 31,</u> <u>2019</u>
Long-lived assets <sup>(2)</sup> :			
United States		\$ 955.4	\$ 709.8
Germany		280.5	39.7
United Kingdom		198.4	192.6
Other foreign countries		317.0	205.0
Long-lived assets		<u>\$ 1,751.3</u>	<u>\$ 1,147.1</u>

(1) Revenue is attributed to the countries based on the location of the customer.

(2) Long-lived assets consist of property and equipment, net, and certain noncurrent assets, including right-of-use assets.

## Note 19. Retirement Benefits

### Pension Plans

There are certain defined benefit pension plans that our employees participate in that are either dedicated to our employees or where the plan assets and liabilities that relate to our employees were legally required to transfer to Elanco at the time of our separation from Lilly. Our plans in Switzerland and Germany represent approximately 92% of our global benefit obligation. We use a measurement date of December 31 to develop the change in benefit obligation, change in plan assets, funded status and amounts recognized in the consolidated balance sheets at December 31 for our defined benefit pension plans, which were as follows:

	2020	2019
<b>Change in benefit obligation:</b>		
Benefit obligation at beginning of year	\$ 224.4	\$ 234.8
Service cost	14.4	9.3
Interest cost	1.9	2.2
Additions related to the Bayer Animal Health acquisition	264.6	—
Actuarial loss (gain)	18.2	56.4
Benefits paid	(7.8)	(5.5)
Plan amendments	—	(74.7)
Settlements	(1.4)	—
Foreign currency exchange rate changes and other adjustments	45.6	1.9
Benefit obligation at end of year	<u>559.9</u>	<u>224.4</u>

**Change in plan assets:**

Fair value of plan assets at beginning of year	148.7	131.6
Actual return on plan assets	5.5	15.3
Employer contribution	8.9	5.3
Additions related to the Bayer Animal Health acquisition	61.2	—
Benefits paid	(7.8)	(5.5)
Settlements	(1.4)	—
Foreign currency exchange rate changes and other adjustments	19.2	2.0
Fair value of plan assets at end of year	<u>234.3</u>	<u>148.7</u>

Funded status	(325.6)	(75.7)
Unrecognized net actuarial loss	66.8	45.9
Unrecognized prior service cost	(72.9)	(74.1)
Net amount recognized	<u>\$ (331.7)</u>	<u>\$ (103.9)</u>

**Amounts recognized in the consolidated balance sheet consisted of:**

Noncurrent assets	\$ 0.4	\$ 2.1
Other current liabilities	(1.9)	(0.3)
Accrued retirement benefits	(324.1)	(77.5)
Accumulated other comprehensive income before income taxes	(6.1)	(28.2)
Net amount recognized	<u>\$ (331.7)</u>	<u>\$ (103.9)</u>

The unrecognized net actuarial loss and unrecognized prior service cost for these pension plans have not yet been recognized in net periodic pension costs and are included in accumulated other comprehensive income (loss) at December 31, 2020.

*Pension plan amendment*

In September 2019, we signed agreements under which certain defined pension benefits in Switzerland transferred from the previous Lilly pension fund as of December 31, 2019 to a new Elanco pension fund effective January 1, 2020. This resulted in a plan amendment during the period. The plan amendment decreased our pension benefit obligation by approximately \$21 million, consisting primarily of a decrease in prior service costs of approximately \$75 million, partially offset by a loss of approximately \$54 million driven by changes in certain assumptions. The net impact to accumulated other comprehensive income was a gain of approximately \$21 million, which will be amortized over the average remaining service period of employees expected to receive benefits under the plans.

We do not expect any plan assets to be returned to us in 2021.

The following represents our weighted-average assumptions related to these pension plans as of December 31:

(Percents)	2020	2019	2018
Discount rate for benefit obligation	0.6 %	0.6 %	1.5 %
Discount rate for net benefit costs	0.6	1.4	1.1
Rate of compensation increase for benefit obligation	3.1	2.3	2.2
Rate of compensation increase for net benefit costs	2.3	2.2	2.1
Expected return on plan assets for net benefit costs	3.2	4.0	4.0

We annually evaluate the expected return on the plan assets in these pension plans. In evaluating the expected rate of return, we consider many factors, with a primary analysis of current and projected market conditions; asset returns and asset allocations; and the views of leading financial advisers and economists. We may also review our historical assumptions compared with actual results, as well as the assumptions and trend rates utilized by similar plans, where applicable.

The following benefit payments, which reflect expected future service, as appropriate, are expected to be paid as follows:

	2021	2022	2023	2024	2025	2026-2030
Benefit payments	\$ 15.3	\$ 14.4	\$ 14.9	\$ 15.4	\$ 16.6	\$ 97.6

Amounts relating to these pension plans with projected benefit obligations in excess of plan assets were as follows at December 31:

	2020	2019
Projected benefit obligation	\$ 545.2	\$ 218.2
Fair value of plan assets	220.2	140.3

Amounts relating to these defined benefit pension plans with accumulated benefit obligations in excess of plan assets were as follows at December 31:

	2020	2019
Accumulated benefit obligation	\$ 521.2	\$ 203.9
Fair value of plan assets	220.2	140.3

The total accumulated benefit obligation for these defined benefit pension plans was \$533.7 million and \$210.1 million at December 31, 2020 and 2019, respectively.

Net pension expense related to these plans included the following components:

	2020	2019	2018
Service cost	\$ 14.4	\$ 9.3	\$ 11.3
Interest cost	1.9	2.2	2.5
Expected return on plan assets	(5.6)	(4.2)	(6.2)
Amortization of prior service cost	(7.9)	(1.7)	0.2
Amortization of net actuarial loss	2.4	1.1	1.9
Recognized settlement loss	0.1	—	—
Other	—	—	0.5
Net pension expense	<u>\$ 5.3</u>	<u>\$ 6.7</u>	<u>\$ 10.2</u>

The following represents the amounts recognized for these plans in other comprehensive income (loss):

	2020	2019	2018
Actuarial gain (loss) arising during period	\$ (18.3)	\$ (45.6)	\$ 28.3
Prior year service cost during the year	—	74.7	—
Amortization of prior service cost included in net loss	(7.9)	(1.7)	0.2
Amortization of net actuarial loss included in net loss	2.4	1.1	1.9
Settlements	0.1	—	—
Foreign currency exchange rate changes and other	1.6	1.0	(1.9)
Total other comprehensive income (loss) during period	<u>\$ (22.1)</u>	<u>\$ 29.5</u>	<u>\$ 28.5</u>

### **Benefit Plan Investments**

Our benefit plan investment policies are set with specific consideration of return and risk requirements in relationship to the respective liabilities. Our plan assets in our Switzerland and German pension plans represent approximately 88% of our plan assets for these pension plans. Given the long-term nature of our liabilities, these plans have the flexibility to manage an above-average degree of risk in the asset portfolios. At the investment-policy level, there are no specifically prohibited investments. However, within individual investment manager mandates, restrictions and limitations are contractually set to align with our investment objectives, ensure risk control and limit concentrations.

We manage our portfolio to minimize concentration of risk by allocating funds within asset categories. In addition, within a category we use different managers with various management objectives to eliminate any significant concentration of risk.

The investment strategy for the legacy Elanco plans is to diversify in five major categories with a designated percentage invested in each including 5% liquidity, 36% fixed income securities, 32% equity securities, a share of 21% in real estate and 6% in other alternative investments.

The acquired Bayer Animal Health plans are managed separately. The underlying investments are classified in the same categories with designated percentages in each of the following: 72% fixed income securities, 28% equity securities.

Each category is diversified and comprised of the following:

- Liquidity - cash and cash equivalents
- Fixed-income securities - Swiss bonds, global aggregates, global aggregate corporates, global government bonds, emerging market local currencies and emerging markets hard currencies.
- Equity investments - Swiss equities, global equities, low volatility equities (to reduce risk), and emerging market equities.
- Real estate - Swiss real estate and global real estate funds.
- Other investments - represents primarily investments in senior secured loans.

We determine the fair value of the investments based on a market approach using quoted market values, significant other observable inputs for identical or comparable assets or liabilities, or discounted cash flow analysis for all investments except hedge funds and private equity-like investments.

We determine the fair value of investments using the value reported by the partnership, adjusted for known cash flows and significant events through our reporting date. Values provided by the partnerships are primarily based on analysis of and judgments about the underlying investments. Inputs to these valuations include underlying net asset values (NAVs), discounted cash flow valuations, comparable market valuations, and may also include adjustments for currency, credit, liquidity and other risks as applicable. The vast majority of these private partnerships provide us with annual financial statements including their compliance with fair valuation procedures consistent with applicable accounting standards.



Real estate is mostly comprised of public holdings. Real estate investments in registered investment companies that trade on an exchange are classified as Level 1 on the fair value hierarchy. Other real estate investments are marked to fair value using models that are supported by observable market-based data (Level 2).

The fair values of these pension plan assets as of December 31, 2020 by asset category are as follows:

Asset Class	Total	Fair Value Measurements Using			Investments Valued at NAV <sup>(1)</sup>
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
Public equity securities	69.2	66.8	—	—	2.4
Fixed income:					
Developed markets	86.5	85.9	—	—	0.6
Emerging markets	13.3	13.3	—	—	—
Real estate	29.5	25.9	3.6	—	—
Other	35.8	30.7	5.1	—	—
<b>Total</b>	<b>\$ 234.3</b>	<b>\$ 222.6</b>	<b>\$ 8.7</b>	<b>\$ —</b>	<b>\$ 3.0</b>

(1) Certain investments that are measured at fair value using the NAV per share (or its equivalent) as a practical expedient have not been classified in the fair value hierarchy.

No material transfers between Level 1, Level 2, or Level 3 occurred during the year ended December 31, 2020.

The fair values of these pension plan assets as of December 31, 2019 by asset category are as follows:

Asset Class	Total	Fair Value Measurements Using			Investments Valued at NAV <sup>(1)</sup>
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
Cash and cash equivalents <sup>(2)</sup>	\$ 129.0	\$ 129.0	\$ —	\$ —	\$ —
Public equity securities	3.8	1.9	—	—	1.9
Fixed income:					
Developed markets	2.5	2.1	—	—	0.4
Emerging markets	9.1	8.8	0.3	—	—
Other	4.3	0.9	3.4	—	—
<b>Total</b>	<b>\$ 148.7</b>	<b>\$ 142.7</b>	<b>\$ 3.7</b>	<b>\$ —</b>	<b>\$ 2.3</b>

(1) Certain investments that are measured at fair value using the NAV per share (or its equivalent) as a practical expedient have not been classified in the fair value hierarchy.

(2) Switzerland plan assets were exiting the Lilly pension plan as of December 31, 2019. As a result, assets were converted to cash and transferred to the new Elanco pension fund effective January 1, 2020.

No material transfers between Level 1, Level 2, or Level 3 occurred during the year ended December 31, 2019.

Contributions of \$18.1 million to these pension plans are expected in 2021.

### Retiree Health Benefit Plan

There are two retiree health benefit plan where the plan liabilities that relate to our employees were legally required to transfer to Elanco at the time of separation from Lilly. The accrued retirement benefits for these plans were \$4.3 million and \$4.7 million as of December 31, 2020 and 2019, respectively.

## Defined Contribution Plans

Elanco has defined contribution savings plans that include certain employees worldwide. The purpose of these plans is generally to provide additional financial security during retirement by providing employees with an incentive to save. Our contributions to the plans are based on our employee contributions and the level of our match. Expenses related to our employees under the plans totaled \$35.2 million, \$32.2 million and \$20.9 million for the years ended December 31, 2020, 2019, and 2018, respectively. The expense for our 401(k) plan increased in 2019 primarily due to an increase our match and participant headcount.

## Multiemployer Plans

Through the acquisition of Bayer Animal Health, we acquired participation in certain multiemployer arrangements with Bayer-Pensionskasse VVaG, Leverkusen (Germany) (Bayer-Pensionskasse) and Rheinische Pensionskasse VVaG, Leverkusen (Germany) (Rheinische Pensionskasse). These plans provide for basic pension benefits to the majority of our employees in Germany. Up to a certain salary level, the benefit obligations are covered by contributions of the Company and the employees to the plan. Contributions made to the multi-employer plan are expensed as incurred and were as follows:

	2020
Bayer-Pensionskasse	\$ 1.2
Rheinische Pensionskasse	0.5
Total	<u>\$ 1.7</u>

The Company-specific plan information for the Bayer-Pensionskasse and Rheinische Pensionskasse is not publicly available and the plans are not subject to a collective-bargaining agreement. The plans provide fixed, monthly retirement payments on the basis of the credits earned by the participating employees. To the extent that the Bayer-Pensionskasse or Rheinische Pensionskasse is underfunded, the future contributions to the plan may increase and may be used to fund retirement benefits for employees related to other employers.

The Bayer-Pensionskasse financial statements for the years ended December 31, 2019 and 2018 indicated total assets of \$10,380.9 million and \$10,234.8 million, respectively; total actuarial present value of accumulated plan benefits of \$9,894.5 million and \$9,750.7 million, respectively; and total contributions for all participating employers of \$137.7 million and \$143.9 million, respectively. Our plan contributions in 2020 did not exceed 5% of the total contributions.

The Rheinische-Pensionskasse financial statements for the years ended December 31, 2019 and 2018 indicated total assets of \$824.6 million and \$732.9 million, respectively; total actuarial present value of accumulated plan benefits of \$781.7 million and \$694.5 million, respectively; and total contributions for all participating employers of \$48.2 million and \$46.3 million, respectively. Our plan contributions in 2020 did not exceed 5% of the total contributions.

Contributing to these types of plans creates risk that differs from providing benefits under our sponsored plans, in that if another participating employer ceases to contribute to a multiemployer plan, additional unfunded obligations may need to be funded over time by remaining participating employers.

## Treatment of Lilly Plans

Prior to the Separation, our employees participated in defined benefit pension and other postretirement plans sponsored by Lilly, which include participants of Lilly's other business. Such plans were accounted for as multiemployer plans in the combined financial statements and as a result, no asset or liability was recorded by us to recognize the funded status of these plans. We recorded \$4.0 million of expense for the year ended December 31, 2018 relating to our employees' participation in Lilly sponsored plans.

## Note 20. Earnings (Loss) Per Share

### *Basic Earnings (Loss) Per Share*

As discussed in Note 1, Elanco Parent was formed for the purpose of facilitating the IPO. Lilly held all shares of Elanco Parent from the time of formation until the IPO.

Prior to IPO, there were an aggregate of 293.3 million shares of our common stock held by Lilly (which represents the 100 shares held by Lilly prior to giving effect to the 2,932,900-for-1 stock split that occurred on September 19, 2018). In connection with the completion of the IPO, an additional 72.3 million shares of our common stock were issued. Earnings per share was calculated based on the assumptions that the shares held by Lilly were outstanding for all periods prior to IPO.

We compute basic earnings (loss) per share by dividing net earnings (loss) available to common shareholders by the actual weighted average number of common shares outstanding for the reporting period. For the year ended December 31, 2020, the weighted average number of common shares outstanding used to calculate basic earnings per share includes the impact of approximately 72.9 million shares of common stock issued on August 1, 2020 to Bayer and its subsidiaries for the Bayer Animal Health acquisition. In addition, basic earnings per share reflects the impacts of 25.0 million shares and 14.3 million shares, respectively, issued or deemed issued in connection with our common stock and TEU issuances in the first quarter of 2020. For the year ended December 31, 2019, weighted average number of common shares outstanding used to calculate basic earnings per share includes the impact of approximately 7.3 million shares that were issued during the period in connection with the acquisition of Aratana. See Note 6: Acquisitions and Divestitures and Note 9: Equity for further discussion.

### *Diluted Earnings (Loss) Per Share*

Elanco has variable common stock equivalents relating to certain equity awards in stock-based compensation arrangements and the TEU prepaid stock purchase contracts. Diluted earnings per share reflects the potential dilution that could occur if holders of the unvested equity awards and unsettled TEUs converted their holdings into common stock. The weighted average number of potentially dilutive shares outstanding is calculated using the treasury stock method.

Potential common shares that would have the effect of increasing diluted earnings per share (or reducing loss per share) are considered to be anti-dilutive and as such, these shares are not included in the calculation of diluted earnings per share. During the year ended December 31, 2020, we reported a net loss. Therefore, dilutive common shares are not assumed to have been issued since their effect is anti-dilutive. As a result, basic and diluted weighted average shares are the same, causing diluted net loss per share to be equivalent to basic net loss per share.

Weighted average diluted shares outstanding included common stock equivalents of 1.3 million for 2019. The dilutive impact for 2018 was immaterial.

For the year ended December 31, 2019, approximately 0.1 million shares of potential common shares were excluded from the calculation of diluted earnings per share because their effect was anti-dilutive.

## Note 21. Related Party Agreements and Transactions

### *Elanco Shares Held by Bayer*

On August 1, 2020, we completed the acquisition of Bayer Animal Health, which included cash and Elanco stock consideration. Pursuant to the share and asset purchase agreement, Bayer has the right to sell such shares on or after November 1, 2020 through multiple registered offerings. Upon Bayer's written request, Elanco is obligated to use commercially reasonable efforts to file a shelf registration statement covering the resale by Bayer of its Elanco common stock.

In December 2020, Bayer sold approximately 62.7 million shares of its Elanco common stock in an underwritten public offering. Accordingly, as of December 31, 2020, Bayer owns 10.3 million shares, or 2%, of our outstanding common stock and is no longer considered a related party.

While Bayer was not considered a related party as of December 31, 2020, there were various transactions between us and Bayer during the period after the acquisition of Bayer Animal Health in which they were considered a principal owner of Elanco. These transactions primarily related to local country asset purchases and various TSAs, contract manufacturing arrangements, and certain lease agreements to ensure business continuity after the acquisition.

### **Local Country Asset Purchase Transactions with Bayer Subsequent to the Acquisition of Bayer Animal Health**

For regulatory purposes in certain jurisdictions, consideration was required to be paid locally at closing in addition to amounts paid globally for the acquisition. Pursuant to the stock and asset purchase agreement, Bayer provided a refund for payment amounts duplicated in these regions. The total amount paid to and received from Bayer in 2020 for these local country asset purchases was approximately \$633 million. Two remaining local country asset purchases will be completed and refunded by Bayer in the first quarter of 2021.

### **Transactions with Lilly Subsequent to Separation and Related to the Separation**

Amounts due from/(due to) Lilly in connection with the Separation and agreed upon services as of December 31 were as follows:

	2020	2019
TSA	\$ 6.6	\$ 10.5
Other activities	(0.9)	(15.8)
Local country asset purchases	(10.7)	(11.1)
Total payable to Lilly	<u>\$ (5.0)</u>	<u>\$ (16.4)</u>

As described in Note 1, we completed an IPO in September 2018 and Lilly fully divested all ownership of Elanco in March 2019. In connection with the Separation, we entered into various agreements with Lilly related to the form of our separation and certain ongoing activities that will continue for a period of time. These included, among others, a master separation agreement (MSA), a TSA and a tax matters agreement. In addition, there was a portion of our operations for which the legal transfer of our net assets did not occur prior to the Separation due to certain regulatory requirements in each of these countries.

#### *Transitional Services Agreement (TSA)*

Historically, Lilly has provided us significant shared services and resources related to corporate functions such as executive oversight, treasury, legal, finance, human resources, tax, internal audit, financial reporting, information technology and investor relations, which we refer to collectively as the "Lilly Services." Under the terms of the TSA, we are able to use Lilly Services for a fixed term established on a service-by-service basis. We pay Lilly mutually agreed-upon fees for the Lilly Services provided under the TSA, which are based on Lilly's cost (including third-party costs) of providing the Lilly Services through March 31, 2021, and subject to a mark-up of 7% thereafter, with additional inflation-based escalation beginning January 1, 2022. The fees under the TSA became payable for all periods beginning after October 1, 2018.

#### *Separation Activities*

Subsequent to our IPO, there continue to be transactions between us and Lilly related primarily to the completion of the local country asset purchases and finalization of assets and liabilities associated with the legal separation from Lilly, combined income tax returns and the impact of the tax matters agreement, historical Lilly retirement benefits, and centralized cash management. The most significant of these activities includes the finalization of the local country valuation of business and the resulting impact on deferred tax assets and the impact of combined tax returns.

#### *Other Activities*

We continue to share certain services and back office functions with Lilly, which in certain instances result in Lilly paying costs for Elanco (e.g., utilities, local country operating costs, etc.) that are then passed through to Elanco for

reimbursement. These amounts are included in cash flows from operating activities in our consolidated and combined statements of cash flows. In addition, we operate through a single treasury settlement process and prior to the local country asset purchases (as described below) continued to transact through Lilly's processes in certain instances. As a result of these activities, there were certain amounts of financing that occurred between Lilly and Elanco during the years ended December 31, 2020 and 2019. These amounts are included in cash flows from financing activities in our consolidated and combined statements of cash flows.

#### *Local Country Asset Purchases*

The legal transfer of certain of our net assets did not occur prior to the Separation due to certain regulatory requirements in each of these countries. The related assets, liabilities, and results of operations have been reported in our consolidated and combined financial statements, as we are responsible for the business activities conducted by Lilly on our behalf and are subject to the risks and entitled to the benefits generated by these operations and assets under the terms of the MSA. We held restricted cash, and the associated payable to Lilly, at the date of Separation to fund the acquisition of these assets. As of December 31, 2020, the majority of these assets have been legally acquired and the remainder are expected to be purchased during the first half 2021. Restricted cash and Payable to Lilly of \$10.7 million are recorded on the consolidated balance sheet for the remainder of the assets expected to be purchased in the first half of 2021.

#### **Transactions with Lilly Prior to Separation**

Prior to the IPO, we did not operate as a standalone business and had various relationships with Lilly whereby Lilly provided services to us. The impact on our historical combined financial statements includes the following:

#### *Transfers to/from Lilly, net*

As discussed in Note 2: Basis of Presentation, net parent company investment is primarily impacted by contributions from Lilly, which are the result of treasury activity and net funding provided by or distributed to Lilly. For the year ended December 31, 2018, net transfers to Lilly were \$226.3 million.

#### *Corporate Overhead and Other Allocations*

Prior to full separation, Lilly provided us certain services, including executive oversight, treasury, legal, finance, human resources, tax, internal audit, financial reporting, information technology and investor relations. We provide Lilly certain services related to manufacturing support. Our financial statements reflect an allocation of these costs. When specific identification is not practicable, the remainder have been allocated primarily on a proportional cost method on a basis of revenue or headcount.

The allocations of services from Lilly, prior to IPO, to us were reflected as follows in the combined statements of operations:

	2018 <sup>(1)</sup>
Cost of sales	\$ 21.8
Research and development	2.2
Marketing, selling and administrative	81.2
Total	<u>\$ 105.2</u>

(1) Through September 30, 2018

There were no allocations from Lilly to us reflected in the consolidated and combined statement of operations for the years ended December 31, 2020 and 2019.

We provided Lilly certain services related to manufacturing support. Allocations of manufacturing support from us to Lilly were \$3.7 million for the year ended December 31, 2018, which reduced the cost of sales in the consolidated and combined statements of operations.

The financial information herein may not necessarily reflect our consolidated financial position, results of operations and cash flows in the future or what they would have been if we had been a separate, standalone entity during the periods presented. Management believes that the methods used to allocate expenses are reasonable.

### *Stock-based Compensation*

As discussed in Note 15: Stock-based Compensation, prior to full separation, our employees participated in Lilly stock-based compensation plans, the costs of which were allocated to us and recorded in cost of sales, research and development, and marketing, selling and administrative expenses in the consolidated and combined statements of operations. The costs of such plans related to our employees were \$0.0 million, \$5.1 million and \$26.0 million for the years ended December 31, 2020, 2019 and 2018, respectively.

### *Retirement Benefits*

As discussed in Note 19: Retirement Benefits, prior to full separation, our employees participated in defined benefit pension and other post retirement plans sponsored by Lilly, the costs and benefits of which were recorded in the consolidated and combined statement of operations in cost of sales, research and development, and marketing, selling and administrative expenses. The benefits of such plans related to our employees were \$6.3 million for the year ended December 31, 2018.

### *Debt*

Lilly's third-party debt and the related interest expense were not allocated to us for any of the periods presented as we were not the legal obligor of the debt and Lilly borrowings were not directly attributable to our business.

## **Note 22. Selected Quarterly Data (unaudited)**

<b>2020</b>	<b>Fourth Quarter</b>
Revenue	\$ 1,139.7
Cost of sales	596.2
Operating expenses <sup>(1)</sup>	486.8
Asset impairment, restructuring, and other special charges	167.3
Interest expense, net of capitalized interest	60.4
Loss before income taxes	(318.1)
Income tax expense	4.7
Net loss	(322.8)
Loss per share—basic and diluted	(0.66)

<b>2019</b>	<b>Fourth Quarter</b>
Revenue	\$ 787.0
Cost of sales	410.1
Operating expenses <sup>(1)</sup>	253.2
Asset impairment, restructuring, and other special charges	51.6
Interest expense, net of capitalized interest	18.7
Loss before income taxes	(4.3)
Income tax expense	5.2
Net loss	(9.5)
Loss per share—basic and diluted	(0.03)

(1) Includes research and development and marketing, selling, and administrative expenses.

Numbers may not add up to totals for each year due to rounding.

## ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS AND FINANCIAL DISCLOSURE

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None

## ITEM 9A. CONTROLS AND PROCEDURES

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### Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (“the Exchange Act”)) as of the end of the period covered by this report. Based on the evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that, as of the end of such period our disclosure controls and procedures are effective in recording, processing, summarizing, and reporting, on a timely basis, information required to be disclosed by us in the reports that we file or submit under the Exchange Act, and that information is accumulated and communicated to the Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely discussions regarding required disclosure.

### Management's Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Exchange Act Rule 13a-15(f)). Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our internal control over financial reporting based on the Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework).

As of December 31, 2020, we have excluded from the scope of our assessment of internal control over financial reporting the recently acquired operations and related assets of Bayer Animal Health as permitted by guidance provided by the SEC. As of December 31, 2020 and for the period from acquisition through December 31, 2020, the total assets and total revenues of Bayer Animal Health that are excluded from our assessment of internal control over financial reporting represent approximately 10% and 18%, respectively, of the related consolidated total assets and total revenue as of and for the year ended December 31, 2020. Based on this evaluation, our management has concluded that, as of December 31, 2020, our internal control over financial reporting was effective.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. In addition, projections of any evaluation of effectiveness to future periods are subject to risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Ernst & Young LLP, an independent registered public accounting firm, has audited our consolidated financial statements and the effectiveness of internal controls over financial reporting as of December 31, 2020 as stated in their report which is included herein.

### Changes in Internal Control

As of December 31, 2020, management is in the process of evaluating and integrating the internal controls of the acquired Bayer Animal Health business into our existing operations as part of planned integration activities. Other than the controls enhanced or implemented to integrate the Bayer Animal Health business, there has been no change in our internal control over financial reporting during the year ended December 31, 2020, that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. Further, we have not experienced any material impact to our internal controls over financial reporting despite our accounting, finance, and legal employees working remotely due to the COVID-19 pandemic. We are continually monitoring and assessing COVID-19 on our internal controls to minimize the impact on their design and operating effectiveness.

## ITEM 9B. OTHER INFORMATION

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### Report of Independent Registered Public Accounting Firm

To the Shareholders and the Board of Directors of Elanco Animal Health Incorporated

#### Opinion on Internal Control Over Financial Reporting

We have audited Elanco Animal Health Incorporated's internal control over financial reporting as of December 31, 2020, based on criteria established in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Elanco Animal Health Incorporated (the Company) maintained, in all material respects, effective internal control over financial reporting as of December 31, 2020, based on the COSO criteria.

As indicated in the accompanying Management's Report on Internal Control over Financial Reporting, management's assessment of and conclusion on the effectiveness of internal control over financial reporting did not include the internal controls of Bayer Animal Health, which is included in the 2020 consolidated and combined financial statements of the Company and constituted 10% of total assets as of December 31, 2020 and 18% of revenues for the year then ended. Our audit of internal control over financial reporting of the Company also did not include an evaluation of the internal control over financial reporting of Bayer Animal Health.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of December 31, 2020 and 2019, the related consolidated and combined statements of operations, comprehensive income (loss), equity and cash flows for each of the three years in the period ended December 31, 2020, and the related notes and our report dated March 1, 2021 expressed an unqualified opinion thereon.

#### Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the 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 in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

#### Definition and Limitations of Internal Control Over Financial Reporting

A company's 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 for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.



Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP

Indianapolis, Indiana  
March 1, 2021

## PART III

### ITEM 10. DIRECTORS, EXECUTIVE OFFICERS, AND CORPORATE GOVERNANCE

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Information on Directors, Executive Officers and Corporate Governance can be found in the Proxy Statement under "Governance." That information is incorporated in this report by reference.

### ITEM 11. EXECUTIVE COMPENSATION

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Information on director compensation, executive compensation, and compensation committee matters can be found in the Proxy Statement under "Director Compensation," "Committees of the Board of Directors - Compensation Committee," "Compensation Discussion and Analysis," and "Executive Compensation Tables." That information is incorporated in this report by reference.

### ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

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#### Security Ownership of Certain Beneficial Owners and Management

Information relating to ownership of the company's common stock by management and by persons known by the company to be the beneficial owners of more than five percent of the outstanding shares of common stock is found in the Proxy Statement under "Ownership of Company Stock." That information is incorporated in this report by reference.

#### Securities Authorized for Issuance Under Equity Compensation Plans

Information about our compensation plans under which shares of our common stock have been authorized for issuance as of December 31, 2020 can be found in the Proxy Statement under "Securities Authorized for Issuance Under Equity Compensation Plans" and is incorporated in this report by reference.

## ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

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### Related Person Transactions

Information relating to related person transactions and the board's policies and procedures for approval of related person transactions can be found in the Proxy Statement under "Transactions with Related Persons." That information is incorporated in this report by reference.

### Director Independence

Information relating to director independence can be found in the Proxy Statement under "Director Independence" and is incorporated in this report by reference.

## ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

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Information related to the fees and services of our principal independent accountants, Ernst & Young LLP, can be found in the Proxy Statement under "Proxy Item No. 2. Proposal to Ratify the Appointment of Principal Independent Auditor." That information is incorporated in this report by reference.

## PART IV

## ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

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### 1. Financial Statements

The following consolidated and combined financial statements of the company and its subsidiaries are found at Item 8:

- Consolidated and Combined Statements of Operations—Years Ended December 31, 2020, 2019, and 2018
- Consolidated and Combined Statements of Comprehensive Income (Loss)—Years Ended December 31, 2020, 2019, and 2018
- Consolidated Balance Sheets—December 31, 2020 and 2019
- Consolidated and Combined Statements of Equity—Years Ended December 31, 2020, 2019, and 2018
- Consolidated and Combined Statements of Cash Flows—Years Ended December 31, 2020, 2019, and 2018
- Notes to Consolidated and Combined Financial Statements

### 2. Financial Statement Schedules

The consolidated and combined financial statement schedules of the company and its subsidiaries have been omitted because they are not required, are inapplicable, or are adequately explained in the financial statements.

Financial statements of interests of 50 percent or less, which are accounted for by the equity method, have been omitted because they do not, considered in the aggregate as a single subsidiary, constitute a significant subsidiary.

### 3. Exhibits

The following exhibits are either filed or furnished herewith (as applicable) or, if so indicated, incorporated by reference to the documents indicated in parentheses, which have previously been filed or furnished with the Securities and Exchange Commission.

Exhibit Number	Description
2.1	Agreement and Plan of Merger by and among Elanco Animal Health Incorporated, Elanco Athens Inc. and Aratana Therapeutics, Inc., dated April 26, 2019 (incorporated by reference to Exhibit 2.1 of the Current Report on Form 8-K filed with the SEC on April 26, 2019).
2.2	Share and Asset Purchase Agreement, dated as of August 20, 2019, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 2.1 of the Current Report on Form 8-K filed with the SEC on August 20, 2019).
2.3	Amendment No. 1 to Share and Asset Purchase Agreement, dated as of October 15, 2019, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 2.1 of the Current Report on Form 8-K filed with the SEC on October 17, 2019).
2.4	Amendment No. 2 to Share and Asset Purchase Agreement, dated as of January 17, 2020, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 2.1 of the Current Report on Form 8-K filed with the SEC on January 17, 2020).
2.5	Amendment No. 3 to Share and Asset Purchase Agreement, dated as of June 15, 2020, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 2.1 of the Current Report on Form 8-K filed with the SEC on June 18, 2020).
2.6	Amendment No. 4 to Share and Asset Purchase Agreement, dated as of July 30, 2020, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 2.5 of the Current Report on Form 8-K filed with the SEC on August 3, 2020).
2.7	Annex 27 to the Share and Asset Purchase Agreement, dated as of August 20, 2019, between Bayer Aktiengesellschaft and Elanco Animal Health Incorporated (Incorporated by reference to Exhibit 4.3 of the Registration Statement on Form S-3 (File No. 333-235991) filed with the SEC on January 21, 2020).
3.1	Amended and Restated Articles of Incorporation of Elanco Animal Health Incorporated, effective September 18, 2018 (incorporated by reference to Exhibit 3.1 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
3.2	Amended and Restated Bylaws of Elanco Animal Health Incorporated, effective August 8, 2019 (incorporated by reference to Exhibit 3.1 of the Current Report on Form 8-K filed with the SEC on August 9, 2019).
4.1	Form of Certificate of Common Stock (incorporated by reference to Exhibit 4.1 of Amendment No. 1 to Registration Statement on Form S-1 (Registration No. 333-226536) filed with the SEC on August 28, 2018).
4.2	Indenture, dated August 28, 2018, between Elanco Animal Health Incorporated and Deutsche Bank Trust Company Americas, as trustee (incorporated by reference to Exhibit 4.2 of Amendment No. 1 to Registration Statement on Form S-1 (Registration No. 333-226536) filed with the SEC on August 28, 2018).
4.3	First Supplemental Indenture, dated August 28, 2018, between Elanco Animal Health Incorporated and Deutsche Bank Trust Company Americas, as trustee (incorporated by reference to Exhibit 4.3 of Amendment No. 1 to Registration Statement on Form S-1 (Registration No. 333-226536) filed with the SEC on August 28, 2018).
4.4	Second Supplemental Indenture, dated as of January 27, 2020, between Elanco Animal Health Incorporated and Deutsche Bank Trust Company Americas, as trustee, including the form of amortizing note (incorporated by reference to Exhibit 4.4 of Current Report on Form 8-K filed with the SEC on January 27, 2020).
4.5	Purchase Contract Agreement, dated as of January 27, 2020, between Elanco Animal Health Incorporated and Deutsche Bank Trust Company Americas, as purchase contract agent, as attorney-in-fact for holders of the purchase contracts referred to therein and as trustee under the indenture referred to therein, including the form of unit and form of purchase contract (incorporated by reference to Exhibit 4.1 of Current Report on Form 8-K filed with the SEC on January 27, 2020).
4.6	Description of Securities (incorporated by reference to Exhibit 4.6 of the Annual Report on Form 10-K filed February 28, 2020)

- 10.1 Master Separation Agreement, dated September 24, 2018, between Eli Lilly and Company and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 10.1 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.2 Transitional Services Agreement, dated September 24, 2018, between Eli Lilly and Company and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 10.2 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.3 Tax Matters Agreement, dated September 24, 2018, between Eli Lilly and Company and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 10.3 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.4 Employee Matters Agreement, dated September 24, 2018, between Eli Lilly and Company and Elanco Animal Health Incorporated (incorporated by reference to Exhibit 10.4 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.5 Toll Manufacturing and Supply Agreement, dated September 24, 2018, between Eli Lilly Export S.A. and Elanco UK AH Limited (incorporated by reference to Exhibit 10.5 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.6 Transitional Trademark License Agreement, dated September 24, 2018, among Eli Lilly and Company, Elanco Animal Health Incorporated and Elanco US Inc. (incorporated by reference to Exhibit 10.7 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.7 Intellectual Property and Technology License Agreement, dated September 24, 2018, among Eli Lilly and Company, Elanco Animal Health Incorporated and Elanco US Inc. (incorporated by reference to Exhibit 10.8 of the Current Report on Form 8-K filed with the SEC on September 26, 2018).
- 10.8 Credit Agreement, dated as of August 1, 2020, among Elanco Animal Health Incorporated, as borrower, Elanco US Inc., as co-borrower, the lenders party thereto from time to time, Goldman Sachs Bank USA, as term loan administrative agent, and as collateral agent and security trustee, and JPMorgan Chase Bank, N.A., as revolver administrative facility agent (incorporated by reference to Exhibit 10.1 of the Current Report on Form 8-K filed with the SEC on August 3, 2020).
- 10.9 2018 Elanco Stock Plan (incorporated by reference to Exhibit 4.3 of Registration Statement on Form S-8 (Registration No. 333-227447) filed with the SEC on September 20, 2018).\*
- 10.10 Elanco Animal Health Incorporated Directors' Deferral Plan as amended (incorporated by reference to Exhibit 10.1 of the Quarterly Report on Form 10-Q filed with the SEC on May 14, 2019)\*
- 10.11 Director Letter Agreement between Emu Holdings Company and R. David Hoover, dated as of May 25, 2018 (incorporated by reference to Exhibit 10.19 of Elanco Animal Health Incorporated's registration statement on Form S-1 (File No. 333-226536) filed with the SEC on August 2, 2018)\*
- 10.12 Form of 2018 Change in Control Severance Pay Plan for Select Employees (incorporated by reference to Exhibit 10.20 of Amendment No. 1 to Elanco Animal Health Incorporated's registration statement on Form S-1 (File No. 333-226536) filed with the SEC on August 28, 2018).\*
- 10.13 Form of Elanco Animal Health Incorporated Restricted Stock Unit Awards Agreement (incorporated by reference to Exhibit 10.21 of Amendment No. 1 to Elanco Animal Health Incorporated's registration statement on Form S-1 (File No. 333-226536) filed with the SEC on August 28, 2018).\*
- 10.14 Form of Elanco Animal Health Incorporated Nonqualified Stock Option Award Agreement (incorporated by reference to Exhibit 10.22 of Amendment No. 1 to Elanco Animal Health Incorporated's registration statement on Form S-1 (File No. 333-226536) filed with the SEC on August 28, 2018).\*

10.15	Retention Bonus Agreement, dated October 18, 2018, by and between Elanco US Inc. and Todd S. Young (incorporated by reference to Exhibit 10.2 to Elanco Animal Health Incorporated's Report on Form 8-K filed with the SEC on October 30, 2018).*
10.16	Employment Offer Letter with Mr. Todd S. Young, dated October 15, 2018, by and between Elanco US Inc. and Todd S. Young (incorporated by reference to Exhibit 10.1 to Elanco Animal Health Incorporated's Report on Form 8-K filed with the SEC on October 30, 2018).*
10.17	Form of Performance Award Agreement (Incorporated by reference to Exhibit 10.1 to Form 8-K filed with the SEC on February 19, 2019)*
10.18	Form of Restricted Stock Unit Award Agreement (Incorporated by reference to Exhibit 10.2 to Form 8-K filed with the SEC on February 19, 2019)*
10.19	Form of Restricted Stock Unit Award Agreement (incorporated by reference to Exhibit 10.22 to Annual Reporting on Form 10-K filed with the SEC on February 20, 2019)*
10.20	Form of Replacement Performance Award Agreement for Certain Named Executive Officers (incorporated by reference to Exhibit 10.23 to Annual Report on Form 10-K filed with the SEC on February 20, 2019)*
10.21	Form of Replacement Performance Award Agreement for Jeffery N. Simmons (incorporated by reference to Exhibit 10.24 to Annual Report on Form 10-K filed with the SEC on February 20, 2019)*
10.22	Form of Replacement Restricted Stock Unit Award Agreement for Certain Named Executive Officers (incorporated by reference to Exhibit 10.25 to Annual Report on Form 10-K filed with the SEC on February 20, 2019)*
10.23	Elanco Animal Health Incorporated Corporate Bonus Plan (incorporated by reference to Exhibit 10.3 of the Quarterly Report on Form 10-Q filed with the SEC on May 7, 2020).*
10.24	Form of Elanco Animal Health Incorporated Restricted Stock Unit Award Agreement for non-employee directors with respect to annual awards (incorporated by reference to Exhibit 10.2 of the Quarterly Report on Form 10-Q with the SEC on May 14, 2019).*
10.25	Form of Elanco Animal Health Incorporated Restricted Stock Unit Award Agreement for non-employee directors with respect to one-time founder award (incorporated by reference to Exhibit 10.3 of the Quarterly Report on Form 10-Q filed with the SEC on May 14, 2019).*
10.26	Elanco Animal Health Incorporated Replacement Restricted Stock Unit Award Agreement, dated March 12, 2019, by Elanco Animal Health Incorporated (incorporated by reference to Exhibit 10.4 of the Quarterly Report on Form 10-Q filed with the SEC on May 14, 2019).*
10.27	Elanco Animal Health Incorporated Executive Deferral Plan (incorporated by reference to Exhibit 10.1 of the Quarterly Report on Form 10-Q filed with the SEC on August 13, 2019)
10.28	Form of Elanco Animal Health Incorporated Restricted Stock Unit Award Agreement for executives with respect to 2020 annual awards (incorporated by reference to Exhibit 10.1 of the Quarterly Report on Form 10-Q filed with the SEC on May 7, 2020)*
10.29	Form of Elanco Animal Health Incorporated Performance-Based Award Agreement for executives with respect to 2020 annual awards (incorporated by reference to Exhibit 10.2 of the Quarterly Report on Form 10-Q filed with the SEC on May 7, 2020).*
10.30	Form of Elanco Animal Health Incorporated Sign-On Restricted Stock Unit Award Agreement for executives (incorporated by reference to Exhibit 10.4 of the Quarterly Report on Form 10-Q filed with the SEC on May 7, 2020).*
10.31	Elanco Executive Severance Pay Plan and Summary (filed herewith)*
21.1	Subsidiaries of Elanco Animal Health Incorporated (filed herewith)
23.1	Consent of Ernst & Young LLP (filed herewith)
31.1	Section 302 Certification of the Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith).

31.2	Section 302 Certification of the Chief Financial Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith).
32	Certification of the Chief Executive Officer and the 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).
101	Interactive Data Files.
104	The cover page from the Company's Annual Report on Form 10-K for the year ended December 31, 2020, formatted in Inline XBRL.

\*Management contracts or compensatory plans or arrangements

## ITEM 16. FORM 10-K SUMMARY

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Not applicable.

## Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned thereunto duly authorized.

ELANCO ANIMAL HEALTH INCORPORATED  
(Registrant)

Date: March 1, 2021 /s/ Jeffrey N. Simmons  
\_\_\_\_\_  
Jeffrey N. Simmons  
President and Chief Executive Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

/s/ Jeffrey N. Simmons Date: March 1, 2021  
\_\_\_\_\_  
Jeffrey N. Simmons  
President and Chief Executive Officer (principal executive officer) and  
Director

/s/ Todd S. Young Date: March 1, 2021  
\_\_\_\_\_  
Todd S. Young  
Executive Vice President, Chief Financial Officer (principal financial  
officer)

/s/ James M. Meer Date: March 1, 2021  
\_\_\_\_\_  
James M. Meer  
Vice President, Chief Accounting Officer (principal accounting officer)

/s/ R. David Hoover Date: March 1, 2021  
\_\_\_\_\_  
R. David Hoover  
Chairman of the Board

/s/ Kapila Kapur Anand Date: March 1, 2021  
\_\_\_\_\_  
Kapila Kapur Anand  
Director

/s/ John P. Bilbrey Date: March 1, 2021  
\_\_\_\_\_  
John P. Bilbrey  
Director

/s/ William F. Doyle Date: March 1, 2021  
\_\_\_\_\_  
William F. Doyle  
Director

/s/ Scott Ferguson

Date: March 1, 2021

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Scott Ferguson  
Director

/s/ Art A. Garcia

Date: March 1, 2021

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Art A. Garcia  
Director

/s/ Michael J. Harrington

Date: March 1, 2021

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Michael J. Harrington  
Director

/s/ Paul Herendeen

Date: March 1, 2021

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Paul Herendeen  
Director

/s/ Deborah T. Kochevar

Date: March 1, 2021

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Deborah T. Kochevar  
Director

/s/ Lawrence E. Kurzius

Date: March 1, 2021

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Lawrence E. Kurzius  
Director

/s/ Kirk McDonald

Date: March 1, 2021

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Kirk McDonald  
Director

/s/ Denise Scots-Knight Ph.D.

Date: March 1, 2021

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Denise Scots-Knight  
Director



## Securities Information

### Common Stock

Listed on the New York Stock Exchange  
– trading symbol ELAN.

Tangible Equity Units listed on the  
New York Stock Exchange trading  
symbol ELAT.

### Shareholders of Record

As of March 15, 2021, there were  
472,799,742 shares outstanding.

## Corporate Information

### Corporate Office

#### Elanco Animal Health

2500 Innovation Way  
Greenfield, IN 46140 USA  
1 (877) 352-6261

## Elanco Contacts

### Colleen Dekker

Head, Global Corporate Communications  
1 (317) 989-7011  
colleen.dekker@elancoah.com

### Tiffany Kanaga

Head, Investor Relations  
1 (302) 897-0668  
tiffany.kanaga@elancoah.com

### Jinee Majors

Sr. Assistant General Counsel Securities  
and Corporate Transactions  
1 (317) 498-3531  
jinee.majors@elancoah.com

## Forward Looking Statements

The Elanco 2020 Annual Report contains  
forward looking statements as defined by  
federal securities laws. Important factors  
that could cause future results to differ  
materially from those projected in the  
forward-looking statements are discussed in  
Elanco's 2020 Form 10-K.

## Transfer Agent and Registrar

Communications concerning shareholder  
address changes, stock transfer, changes of  
ownership, lost stock certificates, payment  
of dividends, dividend check replacements,  
duplicate mailings or other account services  
should be directed to the following:

### Shareholder correspondence should be mailed to:

Computershare  
C/O: Shareholder Services  
PO BOX 505000  
Louisville, KY 40233-5000

### Overnight correspondence should be sent to:

Computershare  
C/O: Shareholder Services  
426 South 4th Street  
Suite 1600  
Louisville, KY 40202  
1 (800) 736-3001 | 1 (781) 575-3100  
webqueries@computershare.com  
www.computershare.com/investor



**Adjusted Income Statement Reconciliations**

Per Share	Year Ended December 31	
	2020	2019
<b>As Reported EPS</b>	\$(1.27)	\$0.18
Cost of Sales	0.22	0.00
Amortization of Intangible Assets	0.82	0.54
Asset Impairment, Restructuring and Other Special Charges	1.41	0.50
Interest Expense, Net of Capitalized Interest	0.01	-
Other Expense (Income), Net	(0.38)	0.02
<b>Subtotal</b>	<b>\$2.07</b>	<b>\$1.07</b>
Tax Impact of Adjustments <sup>(1)</sup>	(0.33)	(0.19)
<b>Total Adjustments to EPS</b>	<b>\$1.74</b>	<b>\$0.88</b>
<b>Adjusted EPS</b>	<b>\$0.47</b>	<b>\$1.06</b>

Numbers may not add due to rounding.

(1) Includes the favorable adjustment relating to the valuation allowance recorded against our U.S. deferred tax assets during the fourth quarter of 2020 (impact of \$0.17 per share).

**Full Year Income Statement Notes****2020****Adjusted results exclude:**

Cost of sales charges associated with amortization of inventory fair value adjustments recorded from the acquisition of Bayer Animal Health (\$90.2 million), charges associated with the write-off of marketing inventory recorded from the acquisition of Bayer Animal Health (\$1.5 million), and a one-time payment to settle outstanding obligations to a contract manufacturing organization in connection with a divestiture (\$4.3 million).

Asset Impairment, Restructuring and Other Special Charges associated with integration efforts and external costs related to the acquisition of businesses, including the acquisition of the animal health business of Bayer, and charges primarily related to independent stand-up costs and other related activities (\$423.9 million), severance (\$155.8 million), asset impairments (\$17.5 million), facility exit costs and asset write-downs (\$16.6 million), a one-time payment associated with our agreement to build a new corporate headquarters (\$9.4 million), the settlement of a legal matter (\$3.2 million), registration fees for Elanco common shares sold by Bayer AG during the quarter (\$1.2 million), and a payment for acquired IPR&D from a collaboration arrangement (\$1.0 million), partially offset by adjustments to write-downs of assets held for sale (\$0.4 million), a favorable adjustment from reversals for severance programs that are no longer active (\$0.8 million), and the gain on the sale of our R&D facility in Prince Edward Island, Canada (\$3.8 million).

Interest expense, net of capitalized interest, charges associated with the debt extinguishment losses recorded in connection with the repayments of our existing term loan facilities (\$2.9 million).

Other-net, (income) expense charges resulting from the gains recorded in relation to the divestiture of several products as required as a result of the acquisition of the animal health business of Bayer (\$156.7 million), a hedging gain related to the closing of the acquisition of the animal health business of Bayer (\$6.0 million), the gain on our sale of land and buildings in New South Wales, Australia (\$45.6 million) and the impact of a decrease in the fair value of the Prevtex contingent consideration (\$3.9 million), partially offset by financing commitment and advisory fees associated with the Bayer Animal Health acquisition (\$36.3 million) and a loss recorded in relation to the divestiture of products (\$7.3 million).

Income tax expense represents the income tax expense associated with the adjusted items, partially offset by the impact of the valuation allowance recorded against our U.S. deferred tax assets during the period (\$74.9 million).

**2019****Adjusted results exclude:**

Cost of sales charges associated with amortization of inventory fair value adjustments recorded from the acquisitions of Aratana and Prevtex (\$0.6 million) and inventory adjustments for the suspension of commercial activities of Imrestor<sup>®</sup> (\$0.2 million).

Asset Impairment, Restructuring and Other Special Charges associated with integration efforts and external costs related to the acquisition of businesses and charges primarily related to independent stand-up costs and other related activities (\$144.7 million), facility exit costs and asset impairments (\$32.6 million), and severance (\$19.5 million), partially offset by favorable adjustments from reversals for severance programs (\$11.3 million).

Other-net, (income) expense charges resulting from an increase in the Aratana contingent consideration (\$7.5 million) and the write-off of marketing authorizations as a result of the acquisition of Prevtex (\$0.5 million).

Income tax represents the income tax expense associated with the adjusted items.

Per Share	Q4 2020	Q4 2019
<b>As Reported EPS</b>	\$(0.66)	\$(0.03)
Cost of Sales	0.12	-
Amortization of Intangible Assets	0.34	0.14
Asset Impairment, Restructuring and Other Special Charges	0.34	0.14
Other Expense (Income), Net	0.00	-
<b>Subtotal</b>	<b>0.79</b>	<b>0.28</b>
Tax Impact of Adjustments <sup>(1)</sup>	(0.01)	(0.02)
<b>Total Adjustments to EPS</b>	<b>\$0.78</b>	<b>\$0.26</b>
<b>Adjusted EPS</b>	<b>\$0.12</b>	<b>\$0.23</b>

Numbers may not add due to rounding.

(1) Includes the favorable adjustment relating to the valuation allowance recorded against our U.S. deferred tax assets during the fourth quarter of 2020 (impact of \$0.15 per share).

## Fourth Quarter Income Statement Notes

### 2020

#### Adjusted results exclude:

Cost of sales charges associated with amortization of inventory fair value adjustments recorded from the acquisition of Bayer Animal Health (\$57.0 million).

Asset Impairment, Restructuring and Other Special Charges associated with integration efforts and external costs related to the acquisition of businesses, including the acquisition of the animal health business of Bayer, and charges primarily related to independent stand-up costs and other related activities (\$105.4 million), severance (\$23.9 million), asset impairments (\$14.0 million), facility exit costs and asset write-downs (\$12.4 million), a one-time expense associated with our agreement to build a new corporate headquarters (\$9.4 million), registration fees for Elanco common shares sold by Bayer AG during the quarter (\$1.2 million), and a payment for acquired IPR&D from a collaboration arrangement (\$1.0 million).

Other-net, (income) expense charges resulting from the gains recorded in relation to the divestiture of several products required as a result of the acquisition of the animal health business of Bayer (\$0.2 million) and the impact of a decrease in the fair value of the Prevetec contingent consideration (\$1.8 million).

Income tax expense represents the income tax expense associated with the adjusted items, partially offset by the impact of the valuation allowance recorded against our U.S. deferred tax assets during the period (\$74.9 million).

### 2019

#### Adjusted results exclude:

Asset Impairment, Restructuring and Other Special Charges associated with integration efforts and external costs related to the acquisition of businesses and charges primarily related to independent stand-up costs and other related activities (\$44.5 million) and facility exit costs and asset impairments (\$8.0 million), partially offset by a favorable adjustment from reversals for severance programs (\$0.9 million).

Income tax represents the income tax expense associated with the adjusted items.

Adjusted EBITDA Reconciliations	3 Months Ended December 31	
	2020	2019
\$ in Millions		
<b>Reported Net Income (Loss)</b>	<b>\$(322.8)</b>	<b>\$(9.5)</b>
Net Interest Expense	60.4	18.7
Income Tax Expense (Benefit)	4.7	5.2
Depreciation and Amortization	222.1	83.3
<b>EBITDA</b>	<b>\$(35.6)</b>	<b>\$97.7</b>
<b>Non-GAAP Adjustments:</b>		
Cost of Sales	\$57.0	-
Asset Impairment, Restructuring and Other Special Charges	167.3	51.6
Accelerated Depreciation <sup>(1)</sup>	(10.8)	(3.0)
Other Expense (Income), Net	(2.0)	-
<b>Adjusted EBITDA</b>	<b>\$175.9</b>	<b>\$146.3</b>
Adjusted EBITDA Margin	15.4%	18.6%

Adjusted EBITDA Reconciliations	Year Ended December 31	
	2020	2019
\$ in Millions		
<b>Reported Net Income (Loss)</b>	<b>\$(560.1)</b>	<b>\$67.9</b>
Net Interest Expense	149.8	78.9
Income Tax Expense (Benefit)	(111.9)	10.3
Depreciation and Amortization	516.9	314.4
<b>EBITDA</b>	<b>\$(5.3)</b>	<b>\$471.5</b>
<b>Non-GAAP Adjustments:</b>		
Cost of Sales	\$96.0	0.8
Asset Impairment, Restructuring and Other Special Charges	623.7	185.5
Accelerated Depreciation <sup>(1)</sup>	(17.4)	(3.0)
Other Expense (Income), Net	(168.5)	8.0
<b>Adjusted EBITDA</b>	<b>\$528.5</b>	<b>\$662.8</b>
Adjusted EBITDA Margin	16.1%	21.6%

Numbers may not add due to rounding.

(1) Represents depreciation of certain assets that was accelerated during the periods presented. This amount must be added back to arrive at Adjusted EBITDA because it is included in Asset impairment, restructuring, and other special charges but it has already been excluded from EBITDA in the "Depreciation and amortization" row above.

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