



Action from Insight

2021 Annual Report  
on Form 10-K

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

**FORM 10-K**

**ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the Fiscal Year Ended December 31, 2021**

Or

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**Commission File Number 001-12215**

**Quest Diagnostics Incorporated**

**Delaware  
(State of Incorporation)  
500 Plaza Drive  
Secaucus, NJ 07094  
(973) 520-2700**

**16-1387862  
(I.R.S. Employer Identification Number)**

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

<i>Title of Each Class</i>	<i>Trading Symbol(s)</i>	<i>Name of Each Exchange on Which Registered</i>
Common Stock, \$.01 par value	DGX	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 Exchange 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 "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

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

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As of June 30, 2021, the aggregate market value of the approximately 122 million shares of voting and non-voting common equity held by non-affiliates of the registrant was approximately \$16.1 billion, based on the closing price on such date of the registrant's Common Stock on the New York Stock Exchange.

As of January 31, 2022, there were outstanding 119,454,781 shares of the registrant's common stock, \$.01 par value.

**Documents Incorporated by Reference**

**Document**

Portions of the registrant's Proxy Statement to be filed by April 30, 2022

**Part of Form 10-K into  
which incorporated**

Part III

Such Proxy Statement, except for the portions thereof which have been specifically incorporated by reference, shall not be deemed "filed" as part of this report on Form 10-K.

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The discussion in Item 1 below includes several defined terms:

- ACO - Accountable Care Organization
- CAP - The College of American Pathologists
- CLIA - Clinical Laboratory Improvement Act
- CMS - Centers for Medicare and Medicaid Services
- DCE - Direct Contract Entity
- FDA - U.S. Food and Drug Administration
- FQHC - Federally Qualified Health Center
- HHS - U. S. Department of Health and Human Services
- IDN - Independent Delivery Network (including hospitals and hospital health systems)
- IPA - Independent Physician Association
- LDT - Laboratory-Developed Test
- PAMA - The Protecting Access to Medicare Act of 2014

The discussion also includes several tables, indexed in the following guide.

Guide to Tables	
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**Item 1. Business**

**INTRODUCTION**

Quest Diagnostics Incorporated is the world's leading provider of diagnostic information services. We play a crucial role in the healthcare ecosystem, empowering people to take action to improve health outcomes. Derived from the world's largest database of clinical lab results, our diagnostic insights reveal new avenues to identify and treat disease, inspire healthy behaviors and improve healthcare management. In the right hands and with the right context, our diagnostic insights can inspire actions that transform lives.

Quest Diagnostics was incorporated in Delaware in 1990; its predecessor companies date back to 1967. We conduct business through our headquarters in Secaucus, New Jersey, and our laboratories, patient service centers, offices and other facilities around the United States and in selected locations outside the United States. Unless the context otherwise requires, the terms “Quest Diagnostics,” the “Company,” “we” and “our” mean Quest Diagnostics Incorporated and its consolidated subsidiaries.

The patients we serve comprise approximately one-third of the adult population of the United States annually, and approximately one-half of the adult population in the United States over a three-year period. We estimate that annually we serve approximately half of the physicians and half of the hospitals in the United States.

During 2021, we generated net revenues of \$10.8 billion. Additional financial information concerning Quest Diagnostics for each of the years ended December 31, 2021, 2020 and 2019 is included in the consolidated financial statements and notes thereto in “Financial Statements and Supplementary Data” in Part II, Item 8.

Our vision, aspirational goals and values are set forth below.



We believe that our vision, aspirational goals and strategy align very well with, and our strong value proposition supports, the triple aim of healthcare: improving medical quality and the patient experience while reducing the cost of care.

Quest Diagnostics is at the forefront of the response to the COVID-19 pandemic, playing a pivotal role to broaden access to laboratory insights to help people lead healthier and safer lives. We provide both molecular diagnostic and antibody serology tests to aid in the diagnosis of COVID-19 and the detection of immune response to the virus, and have performed approximately 63 million of these tests. We have built up and maintain the testing capacity to handle surges in COVID-19 testing demands, including using our national courier, air fleet and logistics network to balance volume across approximately two dozen COVID-19 testing laboratories, and also through our laboratory referral partner program. We are working with federal, state and local governments, healthcare organizations, payers, suppliers, retailers, trade associations and other laboratories in the effort to bring as much COVID-19 testing as possible to the American people. We are also providing data on COVID-19 testing that we conduct to federal, state and local public health authorities, including the federal Centers for Disease Control and Prevention, and participate in studies with government and private institutions, aiding COVID-19 public health response and research. All of our employees, including our dedicated laboratory professionals, phlebotomists, air fleet team, and couriers take tremendous pride in the role we play and work tirelessly to help patients and communities access quality COVID-19 testing.

We have seen how underserved communities are being disproportionately impacted by COVID-19 with tragic consequences. With the Quest Diagnostics Foundation, we launched Quest for Health Equity, an initiative to reduce health disparities in underserved communities in the U.S. This initiative is providing a combination of testing services, education programs, alliances and financial support to efforts to address health disparities. Since its inception, we have launched over 25 programs across the U.S. and Puerto Rico, including supporting COVID-19 testing and vaccination events, educating young students on healthy nutrition choices and expanding research and mentorship opportunities for black and Hispanic scholars.

Our approach to fighting the COVID-19 pandemic has been rooted in our vision of empowering better health through diagnostic insights. We believe that the challenges we are facing from the COVID-19 pandemic have brought us together, made us a stronger company and will help us capture the substantial opportunities in front of us.

## OUR STRATEGY

We have a two-point business strategy, reviewed by our Board of Directors, to achieve our vision and our goals.



**Accelerate Growth**

Our strategy to accelerate revenue growth is based on the Company’s portfolio of services.			
Services Portfolio (Table 1)			
<i>Activity</i>	<i>Key Characteristics</i>	<i>At A Glance</i>	<i>Quest Value Proposition</i>
General Diagnostics	Testing services generating strong cash flows and steady growth	<ul style="list-style-type: none"> <li>• Routine and non-routine testing services</li> <li>• Largest revenue stream</li> <li>• Essential portion of healthcare delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Scale</li> <li>• Operational excellence</li> <li>• Access and convenience</li> </ul>
Advanced Diagnostics	Testing services targeting faster growth through innovation testing model	<ul style="list-style-type: none"> <li>• Genetic and advanced molecular testing services</li> <li>• An important part of precision medicine</li> <li>• Innovation-based competitors</li> </ul>	<ul style="list-style-type: none"> <li>• Rich clinical, scientific and medical innovation expertise</li> <li>• Quality and reliability of new assays</li> <li>• Ability to manage potential new regulatory requirements</li> </ul>
Diagnostic Services	Laboratory and data-related healthcare opportunities targeting faster growth	<ul style="list-style-type: none"> <li>• Enables partners to deliver healthcare more efficiently (e.g., risk assessment; Professional Laboratory Services; Employer Population Health)</li> <li>• Services to support population health (e.g., data analytics; extended care services)</li> </ul>	<ul style="list-style-type: none"> <li>• Extensive diagnostic capability</li> <li>• Large and growing database and analytics expertise</li> <li>• Partnerships with industry leaders across healthcare landscape</li> </ul>

We have identified the following five approaches to accelerate growth.
Approaches to Accelerate Growth (Table 2)
1. Delivering annual revenue growth of more than 2% through accretive, strategic acquisitions
<i>Plus organic growth through:</i>
2. Capitalizing on increased health plan access
3. Increasing share with IDNs
4. Growing Advanced Diagnostics
5. Building consumer-initiated testing

*1. Growing through acquisitions.* We endeavor to grow revenue each year by more than 2% through accretive, strategic acquisitions (our target is based on our revenues excluding the revenues from our COVID -19 testing). Acquisition opportunities may include IDN outreach businesses, regional laboratory consolidation and businesses that will provide us with new capabilities. Our approach to acquisitions, and the key acquisitions we consummated during 2021, are discussed below under the heading Deliver disciplined capital deployment.

*2. Capitalizing on increased health plan access.* We are focused on opportunities to partner with health plans. We strengthen our relationships with health plans and increase the volume of our services for their members by focusing on driving value and providing strong value propositions for members and clinicians. This includes working with payers to reduce the cost of care, improve the customer experience and drive better outcomes for populations. For example, we strive to build information platforms to help health plans manage utilization and population health, keep laboratory testing in network and provide an alternative to high-cost labs. We also offer extended care services to help close gaps in care designed to be attractive to payers, for example through our Quest HealthConnect offerings. In 2021, we made progress with value-based programs with UnitedHealthcare and broadened redirection and network leakage efforts with Anthem. We also renewed our longstanding



relationships with Aetna (remaining a preferred laboratory provider and partner in Aetna's network) and EmblemHealth (one of the nation's largest non-profit health insurers). In addition, we expanded access, including with Highmark Delaware and other plans.

3. *Increasing share with IDNs.* We believe that the growing market challenges faced by IDNs, including continued consolidation, price transparency, cost and utilization pressure, evolving healthcare payment models, capital needs, changing technology and limited resources, provide us with an opportunity to partner with them more effectively as they consider their laboratory testing strategy and drive demand for our expertise. We have deployed a dedicated team to strengthen our relationships with IDNs, including with respect to their reference testing. We target three specific segments: reference testing, outreach testing and lab management. We provide reference testing for approximately half of the hospitals in the U.S. and are a leading provider of this testing in the country. Our industry-leading Professional Laboratory Services, highlighted in Table 3, provides a suite of solutions to help IDNs build and execute their laboratory strategy, improve quality, reduce the cost of care and focus on core competencies. We purchase outreach testing businesses from IDNs that decide to exit that business. In 2021, we recorded our highest level of Professional Laboratory Services revenues to date and, as discussed below under the heading Deliver disciplined capital deployment, acquired the outreach testing business of Mercy.

Key Professional Laboratory Services Offerings (Table 3)	
Lab management outsourcing	Advanced data solutions
Test menu optimization and spend consolidation	Reference testing, including advanced diagnostics
Supply chain management and purchasing	Blood utilization management

4. *Growing Advanced Diagnostics.* We are a leading provider of Advanced Diagnostics, with an array of offerings across the spectrum. We aim to accelerate the growth of our Advanced Diagnostics offerings to a growth rate of at least 8% per year. We have been investing in our Advanced Diagnostics offerings, including to enhance our innovation capabilities and to strengthen our service offering and sales force, to make our Advanced Diagnostics offerings more attractive and accessible to IDNs and clinicians. In addition, we have invested in reducing the cost of next-generation sequencing and combining that with the power of our Blueprint Genetics® data analytics capabilities. We are seeking to apply the capabilities gained by these efforts to other areas where we can make a meaningful difference in health care, including consumer genetics and offerings to pharmaceutical companies, IDNs and health plans. In 2021, we expanded our offerings with the addition of Biocept Inc.'s liquid biopsy test for non-small cell lung cancer. We also saw strong growth in non-invasive prenatal testing and a solid contribution in specialty genetics from Blueprint Genetics.

5. *Building consumer-initiated testing.* For many years, we have been focused on the consumer, and have taken strong steps to be recognized as the consumer-friendly provider of choice of diagnostic information services. Our strong consumer focus is highlighted in Table 4. We will continue to focus on improving the consumer experience, including through improved digitization and other enhancements of our operations. For example, in 2021 we improved the functionality of our MyQuest® app, taking into account consumer feedback.

Increasing consumer expectations inform our design for our consumer experience.	
Consumer-Centric Initiatives (Table 4)	
Connectivity and access to information	<ul style="list-style-type: none"> <li>• &gt;21.5 million registered users in our MyQuest® health portal and mobile connectivity solution, up nearly 7 million from a year ago.</li> <li>• Quest lab results available for Android users through the CommonHealth app.</li> <li>• MyQuest® supports Health Records using the Apple Health app.</li> <li>• Using MyQuest®, consumers can manage healthcare for a group of individuals.</li> </ul>

Reminders	<ul style="list-style-type: none"> <li>• Consumers whose physicians have ordered a test for them electronically can receive email reminders to complete the test.</li> <li>• Consumers who have made appointments can receive appointment reminders via text messaging.</li> </ul>
Enhanced experience	<ul style="list-style-type: none"> <li>• Electronic check-in at patient service centers.</li> <li>• Improved on-line pre-registration and appointment scheduling.</li> <li>• Real-time payment determination for payers.</li> </ul>
Convenient access	<ul style="list-style-type: none"> <li>• Partnerships with Walmart and Safeway to expand convenient access to testing services at select Walmart and Safeway locations across the United States (approximately 230 locations at year end).</li> </ul>
Expanded access to basic healthcare services	<ul style="list-style-type: none"> <li>• Partnership with Walmart to expand access to basic healthcare services.</li> </ul>
Self-collection technology	<ul style="list-style-type: none"> <li>• Proprietary, consumer-friendly self-collection technology offered to consumers at home.</li> </ul>
Satisfaction	<ul style="list-style-type: none"> <li>• We are measuring consumer satisfaction, including Net Promoter Score.</li> </ul>

In 2018, we launched QuestDirect®, our consumer-initiated testing offering that permits consumers to request their own lab tests, to allow consumers to take control of their health and to better understand their own health through access to personal diagnostic information. In an evolving healthcare environment, consumers are increasingly engaged in their health care and want control, a dynamic experience and convenience. We believe that by building on the foundation of our strong consumer focus we can capture growing opportunities in consumer-initiated testing. In 2021, we continued the strong growth in QuestDirect® and launched our comprehensive consumer health profile, which offers consumers a picture of their own health through a battery of tests and biometric measurements that provides a personalized health quotient score that can be used to track health progress over time. We also are extensively engaged with telehealth providers, supporting their offerings as a diagnostic information services provider.

We are focusing on consumer interest to experience health care in a different way and empowering consumers to make important decisions about their health	
<b>Consumer-Initiated Testing (Table 5)</b>	
Consumer-initiated testing	<ul style="list-style-type: none"> <li>• Consumers can choose from approximately 50 different test packages focused on consumer interests, such as general health, men's and women's health, digestive health, heart health, infectious disease, sexually transmitted disease, COVID-19 and Lyme disease. In 2021, we expanded our offerings to include Insure® ONE™ for colorectal cancer screening.</li> </ul>
Self-collection technology	<ul style="list-style-type: none"> <li>• In 2021, we expanded our proprietary, consumer-friendly self-collection technology offered to consumers at home.</li> </ul>
Convenient access	<ul style="list-style-type: none"> <li>• Access to services in our patient service centers and in select Walmart stores</li> </ul>
Convenient payment	<ul style="list-style-type: none"> <li>• Introduced flexible payment options in 2021</li> </ul>

**Drive operational excellence**

We strive to enhance operational excellence and improve our quality and efficiency across every portion of our value chain and operations, from the time that we interact with a potential customer until the time we receive payment.	
<b>Major Themes to Drive Operational Excellence (Table 6)</b>	
Reduce denials and patient concessions	Standardize and automate
Digitize the customer experience	Optimize

Improving our operations will yield many benefits, including: enhancing customer experience; improving our quality and competitiveness; strengthening our foundation for growth; and increasing employee engagement and shareholder value. We are building a superior experience, at lower cost, for all of our customers, including consumers, health plans, IDNs and clinicians. We endeavor to improve our processes and effectiveness at the same time. We are guided by a service dashboard that focuses throughout our operations on quality for consumers, healthcare providers and employees, including medical quality, on-time delivery, competitive costs and employee safety.

During 2021, we made strong progress on our improvement initiatives. We completed the consolidation and integration of Northeast U.S. regional operations into our new 250,000 square foot, highly automated, flagship laboratory in Clifton, New Jersey. We also commenced consolidation of our urinalysis testing onto a new highly automated platform that we expect will generate substantial savings once implemented. We are taking advantage of robotic process automation technologies. In addition, we also increased patient use of appointment scheduling, reduced payor denials and improved patient collection at the time of service. We also are seeing increased patient and physician acceptance of the digitization of our service offerings, with more self-service options and a greater percentage of our volume moving to digital, paperless transactions.

Our cost excellence program, Invigorate, includes structured plans to drive savings and improve productivity across the value chain, including in such areas as revenue services, information technology and procurement. We currently aim annually to achieve savings and productivity improvements of 3% of our costs. In 2021, we exceeded our goal.

**OUR STRENGTHS**

We offer high value diagnostic information services and diagnostic solutions that are attractive to our customers.	
<b>Our Strengths (Table 7)</b>	
Quality	Strong Operating Principles
Assets and Capabilities to Deliver Value	Health Information Technology Solutions and Information Assets
Innovation	Medical and Scientific Expertise
Collaboration	Customer Focus

**Quality**

Our goal is to provide every patient with services and products of superior quality. We strive to accomplish that through commitment, leadership, and establishing rigorous processes which we measure and continually seek to improve, and by using the Quest Management System, which provides best-in-class business performance tools to create and implement effective and sustainable quality processes. The Quest Diagnostics Quality Program includes policies and procedures to document, measure and monitor the effectiveness of our laboratory operations in providing and improving quality and meeting applicable regulatory requirements. The Quality Program is designed so that the quality of laboratory services is monitored objectively and evaluated systematically to deliver superior quality care, identify opportunities to improve patient care and resolve identified problems. To help achieve our goal of becoming recognized as the undisputed quality leader in the diagnostics information services industry, we have implemented our Quality System Framework, which serves as a reference

guide for our employees and describes our Quality System Elements, which provide the structure for each laboratory to achieve and maintain quality processes. We also have a robust Supplier Quality Program designed to ensure we have a high-quality supplier network and to raise the bar of quality expectations across that network. Being chosen by UnitedHealthcare as a participant in the UnitedHealthcare Preferred Lab Network reflects the strength of our quality. For additional information about our commitment to quality, see "General - Quality Assurance" on page 25.

### **Strong operating principles**

We have a foundation of three strong operating principles:

- strengthen organizational capabilities;
- remain focused on diagnostic information services; and
- deliver disciplined capital deployment.

*Strengthen organizational capabilities.* We continuously strive to strengthen our organizational capabilities to support our two-point strategy, enable growth and productivity, better focus on our customers, speed decision-making and empower employees. Highlights include:

- Align for Growth, Execution and Efficiency. Our organization is designed to align around future growth opportunities, coordinate business units for seamless execution and leverage our company-wide infrastructure to gain more capability, value and efficiency. We relied on this organizational design to allow us to develop a coordinated and sustained strategy to respond to the unprecedented challenges we face responding to the COVID-19 pandemic. The value creation side of our business includes product and commercial marketing and is organized by clinical franchise and focuses on customer solutions for the marketplace, including new test development and diagnostic insights. The value delivery side includes sales, laboratory operations, field operations, logistics and client services.
- Quest Management System. This system provides a foundation for day-to-day management, and includes best-in-class business performance tools to help develop new capabilities to improve our Company. The system enables us to run the Company with a common language, approach and philosophy, and supports our efforts to maintain a high-performance culture, with employees focused on behaviors to foster our agility, transparency, customer focus, collaboration and performance orientation.

*Remain focused on diagnostic information services.* We maintain a sharp focus on providing diagnostic information services. During 2021, we sold to IQVIA Holdings Inc. our 40% minority stake in Q<sup>2</sup> Solutions,<sup>®</sup> our clinical trials central laboratory services joint venture, and in connection with the sale we entered a multi-year agreement to continue to support Q<sup>2</sup> Solutions as its strategic preferred laboratory partner.

*Deliver disciplined capital deployment.* Our disciplined capital deployment framework includes investment in our business, dividends and share repurchases. The framework is grounded in maintaining an investment grade credit rating. We expect to return a majority of our free cash flow to investors through a combination of dividends and share repurchases. Consistent with that expectation, in February 2022 we announced that we increased our quarterly common stock cash dividend by approximately 6.5%, from \$0.62 per common share to \$0.66 per common share. This represents our eleventh increase in the dividend since 2011. For many years, we have maintained a common stock repurchase program. Since the beginning of 2013, we have returned approximately \$5.7 billion to stockholders through repurchases of our common stock. Our share repurchases, dividends and capital expenditures in each of the last three years are presented in our consolidated financial statements (Part II, Item 8 of this Report).

The Company's strategy includes generating growth through value-creating, strategically-aligned acquisitions using disciplined investment criteria. We screen potential acquisitions using guidelines that assess strategic fit and financial considerations, including value creation, return on invested capital and impact on our earnings. In 2021, we consummated the acquisition of the outreach laboratory services business of Mercy, one of the most highly-integrated, multi-state health care systems, with operations serving providers and patients in Arkansas, Kansas, Missouri and Oklahoma. We also acquired assets of Labtech Diagnostics LLC, an independent clinical laboratory serving physicians and patients primarily in South Carolina, North Carolina, Georgia and Florida, and a couple of other small independent regional labs. Our significant acquisitions in each of the last three years are further discussed in Note 5 to the audited consolidated financial statements (Part II, Item 8 of this Report).

We will continue to invest in our business in a disciplined manner, including focusing on enhancing our solid foundation of strategic assets and capabilities, accelerating growth and driving operational excellence. Our near-term investments in growth are likely to focus on the approaches to accelerate growth set forth in table 2 above. Our near-term investments to drive operational excellence are likely to focus on improving the customer experience and gaining efficiency, systems standardization, digital enablement of our processes and footprint optimization.

**Assets and capabilities to deliver value**

We use our unmatched size, scale and capabilities to deliver a very attractive value proposition to our customers.

**Assets and Capabilities (Table 8)**

<i>Connectivity</i>	<ul style="list-style-type: none"> <li>• Provide healthcare connectivity solutions to &gt;445,000 clinician and IDN accounts and interface with &gt;800 electronic health records systems</li> </ul>
<i>Data</i>	<ul style="list-style-type: none"> <li>• The largest private database of de-identifiable laboratory test results: &gt;60 billion patient data points</li> </ul>
<i>Logistics</i>	<ul style="list-style-type: none"> <li>• Strong logistics capabilities                             <ul style="list-style-type: none"> <li>• make &gt;75,000 stops daily</li> <li>• approximately 4,000 courier vehicles</li> <li>• &gt;20 aircraft serving the U.S.</li> </ul> </li> </ul>
<i>Medical and Scientific Staff</i>	<ul style="list-style-type: none"> <li>• One of the largest medical and scientific staffs in the industry to provide interpretive consultation                             <ul style="list-style-type: none"> <li>• &gt;650 M.D.s and Ph.D.s, many of whom are recognized leaders in their field</li> <li>• Genetic counselors</li> </ul> </li> </ul>
<i>Other Healthcare Professionals</i>	<ul style="list-style-type: none"> <li>• Approximately 24,000 phlebotomists, paramedics, nurses and other health and wellness professionals</li> </ul>
<i>Consumer Access</i>	<ul style="list-style-type: none"> <li>• &gt;7,100 patient access points, including phlebotomists in physician offices and the most extensive patient service center network in the U.S. with &gt;2,100 locations</li> </ul>
<i>Health Plan Participation</i>	<ul style="list-style-type: none"> <li>• Access to approximately 90% of U.S. insured lives</li> </ul>
<i>Processing Volume</i>	<ul style="list-style-type: none"> <li>• Processed approximately 218 million test requisitions in 2021</li> </ul>
<i>Range of Testing</i>	<ul style="list-style-type: none"> <li>• Industry-leading test menu across clinical sub-specialty areas and diagnostic technologies</li> </ul>
<i>Patents</i>	<ul style="list-style-type: none"> <li>• Own or control approximately 1,100 issued and over 450 pending patents worldwide in 2021</li> </ul>

**Innovation**

We are a leading innovator in diagnostic information services. We develop and introduce new tests, including many with a focus on personalized and targeted medicine, and new services. Our capabilities include discovery, technology development and clinical validation of diagnostic tests. We also partner with other developers of new technologies, services and tests to transfer their innovations to the marketplace, using our in-house expertise (e.g., strength in assay development and commercialization of testing services). These developers include large commercial manufacturers, the academic community, pharmaceutical and biotechnology firms, emerging medical technology companies and others that develop and commercialize novel diagnostics, pharmaceutical and device technologies. We maintain relationships with advisers and consultants who are leaders in key fields of science and medicine. As the industry leader with the largest and broadest U.S. network, we believe we are the distribution channel of choice for developers of new solutions.

Our clinical franchises enable us to perform like a boutique while maintaining our scale advantages, and work with our research and development and commercial organizations to identify/deliver new and improved solutions.

**Clinical Franchises (Table 9)**

Cardiovascular, Metabolic and Endocrinology	Cancer Diagnostics
General Health and Wellness	Drug Monitoring and Toxicology
Infectious Diseases and Immunology	Sports Science and Human Performance
Neurology	Women’s and Reproductive Health

We seek innovations and solutions that help healthcare providers, IDNs, health plans and other healthcare market participants care for their patients through better testing for predisposition, screening, monitoring, diagnosis, prognosis and treatment choices, and that deliver high clinical value to the medical community and reduce the overall cost of healthcare. Starting with a clinical focus on a specific disease state or clinical problem, we take advantage of advanced technology for more precise, comprehensive and actionable information. We seek to develop innovations and solutions that help to determine a patient's genotype or gene expression profile relative to a particular disease and its potential therapies, because they can help healthcare providers to determine a patient's susceptibility to disease or to tailor medical care to an individual's needs. This would include determining if a medication might be an optimum choice for a particular person, or tailoring the right dosage once the proper medicine is prescribed. We endeavor to improve test processes, including through increased automation. In addition, we aim to develop holistic solutions responsive to challenges that healthcare providers and patients face, by developing solutions of tests, information and services focused on specific clinical challenges, and taking advantage of the latest healthcare data capabilities. We also look for innovations and solutions that are less invasive than currently available options, and to increase the choices that healthcare providers and patients have for the collection of diagnostic samples. We seek innovation in the ways we bring solutions to customers, and in the customer experience, including enhanced services and end-to-end solutions for convenience and support. We make innovative solutions available to community physicians through our connectivity solutions, operational footprint and by making complex results actionable. We plan to expand our innovative solutions through research and development, as well as partnerships with academic institutions, other technology and healthcare leaders and public health agencies.

Since the beginning of the COVID-19 pandemic, we have secured an Emergency Use Authorization from the FDA for pooled specimen testing in connection with molecular diagnostic COVID-19 testing. With government and private sector partners, we developed and built "pop-up" COVID-19 testing sites that offered a new, efficient model for consumer access to testing at a critical time. During 2021, we introduced a new COVID-19 semi-quantitative serology test service that aids in providing insight into an individual's immune response as a result of a recent or prior infection with SARS-CoV-2, including assessing blood levels of antibodies. In addition, we licensed the patented ceramide-analysis technology of Zora Biosciences Oy and announced plans to develop, and offer through our Cardiometabolic Center of Excellence at Cleveland Heartlab, a test service as an aid in identifying patients at risk for cardiovascular-related disease and death. These initiatives, along with other developments highlighted below under the headings "Collaboration," Medical and Scientific Expertise," and "Healthcare Information Technology Solutions and Information Assets," demonstrate our agility and strength in innovation.

**Collaboration**

We believe that strategic relationships, including with healthcare providers, public health authorities, consumer-focused entities and others, can position us for growth at the center of healthcare and that healthcare companies that can partner effectively with others will be successful in the long term. We collaborate with partners that can help us to achieve our vision of empowering better health through diagnostic insights and have relationships across the spectrum of healthcare, including with world class healthcare and consumer-focused leaders, to foster important advances in healthcare, including in precision medicine and healthcare delivery. We plan to continue to pursue strategic relationships to help accelerate growth and drive operational excellence. In 2021, we announced our collaboration with Paige to unlock the potential of artificial intelligence to improve and speed the diagnosis of cancer and other diseases that rely on pathologic assessment. We also collaborated with CIC Health, Ginko Bioworks and Battelle Memorial Institute to develop solutions to make testing easy, fast and affordable for school systems and other group settings (e.g., the travel and entertainment industry) across the country.



## **Medical and Scientific Expertise**

We have strong medical and scientific expertise and aspire to be a trusted authority in diagnostic medicine, provide insights and tools to support public and personal health, lead and facilitate scientific discussion and inspire innovation. Our medical and scientific experts regularly provide presentations, symposia and webinars regarding diagnostic testing and participate on scientific committees determining guidelines for diagnostic usage. They also publish research that demonstrates the clinical value and importance of diagnostic testing, including in connection with our research and development efforts, in peer-reviewed journals, textbooks and other publications. For over 30 years, the Company has published the Quest Diagnostics Drug Testing Index,<sup>TM</sup> a series of reports on national workplace drug positivity trends based on the Company's employer workplace drug testing data, that is widely cited by employers, the federal government and the media to help identify and quantify drug abuse among the nation's workforce. The Company also publishes Quest Diagnostics Health Trends,<sup>®</sup> a series of scientific reports that provide insights into health topics, based on analysis of objective clinical laboratory data, to empower better patient care, population health management and public health policy. Our role at the forefront of the response to the COVID-19 pandemic demonstrated this strength. We have secured over 20 Emergency Use Authorizations from the FDA for innovations in connection with COVID-19 testing and specimen collection, including regarding unobserved nasal specimen self-collection, combined COVID-19 and respiratory virus tests, COVID-19 at-home specimen collection by consumers, and methods to increase testing capacity and expand the testing supply base. In addition to a Health Trends<sup>®</sup> report on children in the U.S. with detectable levels of lead in their blood, we published numerous Health Trends<sup>®</sup> reports on COVID-19, including during 2021 additional reports addressing the "hidden pandemic": signs of addiction missed during the pandemic; the sharp decline in cancer diagnoses during the first year of the pandemic; decreases in hepatitis C testing and treatment during the first months of the pandemic; and Blacks and Hispanic/Latinx less confident in their ability to access COVID-19 vaccines, treatment and healthcare than white Americans. We also expanded our engagement with the Centers for Disease Control and Prevention to provide genomic sequencing of emerging COVID-19 variants, to aid public health response to COVID-19.

## **Health Information Technology Solutions and Information Assets**

We have a history of providing leading information technology for diagnostic information services, including for patients, clinicians and healthcare organizations. We were the first national diagnostic information services provider to offer online patient appointment scheduling and a patient connectivity solution. Our MyQuest<sup>®</sup> patient healthcare portal, with 21.5 million registered users at year-end 2021, enables patients to manage healthcare and medical information for themselves and a circle of others and, among other things, use their smartphone or computer to order a test, find a Quest Diagnostics location, schedule appointments, receive appointment reminders, and receive and archive their test results. During the COVID-19 pandemic, we collaborated with CLEAR to integrate CLEAR's safe and secure "Health Pass" technology with the Company's advanced COVID-19 testing capabilities to foster safer public environments and help reduce public health risk. We also are a founding member of the Synaptic Healthcare Alliance, which is working to create a platform, powered by blockchain technology, that enables a culture of innovation, removes friction and solves shared challenges impacting constituents across healthcare today.

We also have significant information assets and offer a robust portfolio of powerful analytics that inspire action and deliver value to an array of customers. We offer an array of Quanam<sup>®</sup> solutions based on data insights, including retrospective analytics solutions for healthcare professionals and practices, health plans, IDNs, pharmaceutical companies and public health organizations. We believe that solutions can tap the potential of large amounts of clinical information to: enhance the customer experience; deliver more precise, comprehensive solutions and actionable information; provide increased and interactive insights and analytics; foster greater adherence to clinical and reimbursement guidelines; and advance the development of precision medicine. We believe that the breadth and depth of our data, combined with our powerful analytics capabilities, enables us to take advantage of important data-based opportunities in diagnostics, and provides us a competitive advantage.

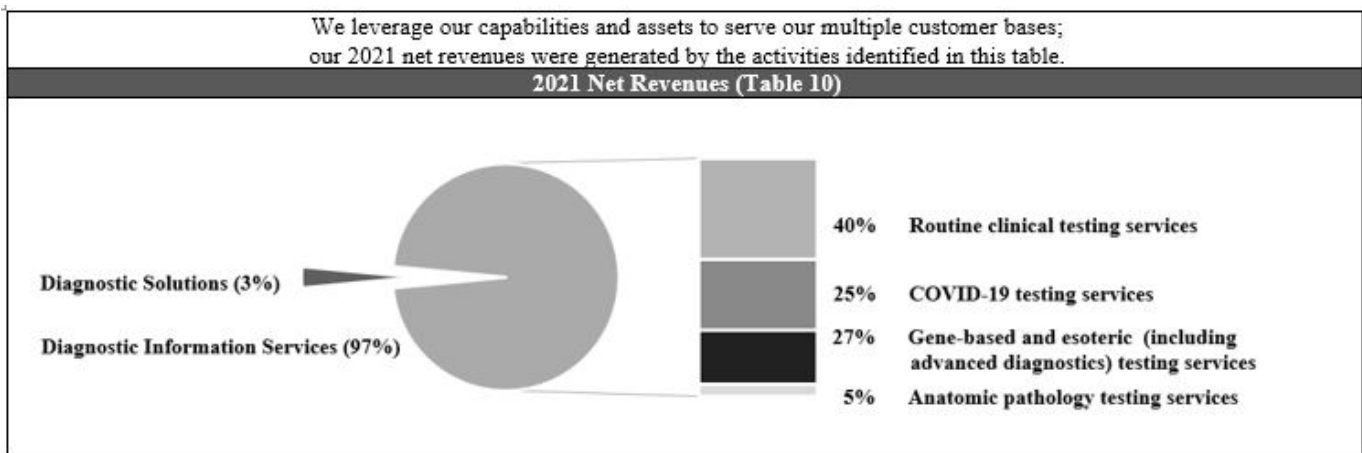
## **Customer Focus**

Our brand idea -- Action from Insight<sup>®</sup> -- reflects our commitment to a superior customer experience. The customer is at the center of everything we do; we strive to give them reason to put their trust in us. We use customer insights in developing our approach, listening to the voice of customers to identify and implement solutions and processes that will result in a superior customer experience. We also maintain our Everyday Excellence program, which includes guiding principles to support a superior customer experience, inspiring our employees to be their best every day, with every person and with every customer interaction.

## BUSINESS OPERATIONS

The Company is made up of two businesses: Diagnostic Information Services and Diagnostic Solutions. Our Diagnostic Information Services business develops and delivers diagnostic information services, providing insights that empower and enable a broad range of customers, including those discussed in table 13. Our Diagnostic Solutions group includes our risk assessment services business, which offers solutions for insurers, and our healthcare information technology businesses, which offers solutions for healthcare providers. Our services primarily are provided under the Quest Diagnostics brand, but we also provide services under other brands, including AmeriPath,<sup>®</sup> DermPath Diagnostics,<sup>®</sup> ExamOne,<sup>®</sup> and Qanum.<sup>®</sup>

We are the leading provider in the United States, where we conduct substantially all of our business, of clinical laboratory and anatomic pathology testing, and related services. We see opportunities to bring our experience and expertise in diagnostic information services to markets outside the United States, including leveraging existing facilities to serve new markets. We have laboratory facilities in Finland, Mexico and Puerto Rico. We are a founding member, with other leading diagnostic laboratories outside the United States, of the Global Diagnostics Network,<sup>™</sup> a strategic working group of diagnostic laboratories committed to unleashing and sharing local innovation to increase global access to diagnostic science, information and services and generating enhanced diagnostic insights to improve the delivery of global healthcare. The Company and fellow members of the Network are focused on response to the COVID-19 pandemic and preparedness for future global infectious diseases.



### Diagnostic Information Services

*Background - clinical testing.* Clinical testing is an essential element in the delivery of healthcare services. Clinical testing is used for predisposition, screening, monitoring, diagnosis, prognosis and treatment choices of diseases and other medical conditions. Clinical testing is generally categorized as clinical laboratory testing and anatomic pathology services. Anatomic pathology involves the diagnosis of cancer and other diseases and medical conditions through examination of tissue and cell samples taken from patients.

Clinical laboratory testing, which can be characterized as routine, non-routine or advanced, generally is performed on whole blood, serum, plasma and other body fluids, such as urine, and specimens such as microbiology samples. Clinical laboratory tests which can be performed by most clinical laboratories are considered routine. Routine testing measures various important bodily health parameters such as the functions of the kidney, heart, liver, thyroid and other organs. Commonly ordered routine tests include blood chemistries, urinalysis, allergy tests and complete blood cell counts. Non-routine tests may require professional “hands-on” attention from highly-skilled technical personnel, generally require more sophisticated data analysis, technology, equipment or materials, may be performed less frequently than routine tests and may be reimbursed at higher levels than routine tests. It may not be practical, from a cost-effectiveness or infrastructure perspective, for many IDNs, ACOs, DCEs, commercial laboratories or physician office laboratories to develop and perform a broad menu of non-routine tests, or to perform low-volume non-routine testing in-house. Such tests generally are outsourced to a clinical testing laboratory which can perform these non-routine tests. Some non-routine tests are advanced. Advanced tests include procedures in the areas of molecular diagnostics (including next-generation sequencing), oncology, neurology, companion diagnostics and non-invasive pre-natal and other germline genetic testing.



*Our services.* We are the world's leading provider of diagnostic information services. We provide information and insights based on the industry-leading menu of routine, non-routine and advanced clinical testing and anatomic pathology testing, and other diagnostic information services. We have strong testing capabilities, including services for the predisposition, diagnosis, treatment and monitoring of cancers and other diseases, and offer advanced tests in many fields, including endocrinology, immunology, neurology and oncology. Increasingly, we are focused on providing solutions and insights to our customers, based on the testing that we perform, the data that we gather and our extensive medical, information and connectivity assets. We believe that offering services, solutions and insights based on a full range of tests, information assets and other capabilities strengthens our market offering, market position and reputation.

We offer the broadest access in the United States to clinical testing. We maintain a nationwide network of laboratories, including advanced laboratories (such as our world-renowned Quest Diagnostics Nichols Institute®) as well as rapid response laboratories (smaller facilities where we can quickly perform an abbreviated menu of routine tests for customers that require rapid turnaround times). We operate 24 hours a day, 365 days a year. Our nationwide network also includes patient service centers, phlebotomists in physician offices, and our connectivity resources, including call centers and mobile paramedics, nurses and other health and wellness professionals. Our large in-house staff of medical and scientific experts, including medical directors, scientific directors, genetic counselors and board-certified geneticists, provide medical and scientific consultation to healthcare providers and patients regarding our tests and test results, and help them best utilize our services to improve outcomes and enhance satisfaction. We also provide testing (including anatomic pathology) services and medical director services at IDN laboratories.

We are a leading provider of diagnostic information services for infectious disease, such as COVID-19 (including molecular diagnostic and serology antibody offerings), tuberculosis (*e.g.*, our T.SPOT.TB and Quantiferon offerings) and tick-borne disease (*e.g.*, our Accutix® offering). We strive to be the first to provide diagnostic solutions for emerging infectious diseases (*e.g.*, our offerings for Zika, West Nile Virus, SARS and Influenza A H1N1). We have leading positions in drug monitoring and toxicology, in neurology diagnostics, in advanced cardiovascular diagnostic information services (*e.g.*, our CardioIQ® and Cleveland HeartLab® offerings through our Cardiometabolic Center of Excellence™), and in cancer diagnostics (*e.g.*, our QuestVantage® and Med Fusion™ offerings). We are a leader in providing testing for the detection of employee use of drugs of abuse, offering a full range of solutions, including urine, hair, blood and oral fluid tests. We are the largest workplace drug testing provider certified by the U.S. Department of Health and Human Services to perform drug testing using electronic custody and control forms for federally-mandated, safety-sensitive workers.

We are a leading provider of employer population health services, including biometric screenings, flu shots and related preventative services that leverage clinical data to improve population health outcomes and reduce healthcare spend. Our solutions enable employers to leverage screening insights to identify chronic disease risks, connect employees to needed in-network care, and empower better health. Our offerings include connecting participants to the right care at the right time, such as (i) a program designed to prevent diabetes and other chronic conditions, (ii) a program that enables participants to engage with a board-certified physician about their results and to be guided about actions based on those results and (iii) a mental health assessment program that links participants to virtual support. We also collaborate with Catapult Health, the leading national provider of employer-sponsored preventative checkups, to help organizations facilitate virtual telehealth access to clinical services for their employees and adult dependents, with emphasis on reducing risks related to preventable chronic diseases. These services are sold directly to employers and through reseller partnerships with health plans. In response to the COVID-19 pandemic, we developed and offered COVID-19 return to work services, to assist organizations as they developed plans for safer workplaces.

We offer Quanum® health information technology solutions, including our products and national healthcare provider network, to help healthcare organizations and clinicians empower better health by leveraging the power of our significant information assets, including many years of test result data, and our technology prowess, including our history of providing leading information technology for diagnostic information services. Our portfolio of offerings is designed to address analytic, clinical and financial needs. The solutions help healthcare organizations and clinicians analyze and put in context data, and enable them to connect across the healthcare system and engage with their stakeholders. They can enter, share and access clinical information without costly information technology implementation or significant workflow disruption.

We offer an array of population health solutions to clinicians, health plans, and IDNs. Our services build on the power of our information assets and data capabilities and help our customers deliver better care to their patient populations by identifying gaps in care in a population, providing clinical solutions to close the gaps and fostering consumer engagement with a solution. For example, Quest Lab Stewardship™ employs machine learning to help optimize medically-appropriate laboratory test utilization. Our extended care services, including home-based health risk assessments and related services, help deliver better care to their patient populations by identifying and filling gaps in care for their patient populations and by enabling them to deliver the most effective healthcare to the right populations and individuals. These services leverage the power of our assets (e.g., our extensive clinical data and data analytics services) and capabilities (e.g., call centers, patient service centers and mobile workforce, including professionals) and focus on extending the reach of clinician offices beyond their traditional four walls to assess the health of their populations, and doing so when and where it is convenient for consumers. Once gaps are identified, we engage patients in our retail sites, in home or by telephone, including through our call centers and our mobile base capabilities, including highly-trained healthcare professionals. We also offer services such as diabetic retinopathy and bone density examinations.

We offer services to pharmaceutical companies, including clinical trials testing. We have expertise in developing laboratory tests for FDA submission as companion diagnostics and laboratory developed tests for complementary diagnostics, and offer an array of assets and services to support the development of companion diagnostics, including our robust data set and patient services network. For example, in 2021, we introduced Ki-67 IHC MIB-1 pharmDx, the first companion diagnostic for Eli Lilly and Company's Verzenio® (abemaciclib), a CDK4/6 inhibitor for certain people with HR+HER2- High Risk early breast cancer. We also offer Quest Clinical Trials Connect™ to help accelerate clinical trials (and thus the speed of drugs to market) through better patient recruitment, involvement and management, and improved physician outreach.

We also offer sports teams, including at the professional and collegiate levels, our BluePrint for Athletes® performance tools, based on biomarker testing, designed to optimize high-level athletic performance through actionable insights. This service provides the context for athletes to consider performance variables holistically, including nutritional education and intervention, maximum fitness, injury assessment and training load monitoring as well as sophisticated biometric analysis. During the COVID-19 pandemic, we also expanded our test offerings for athletes to include COVID-19 testing, to foster the country's return to athletic fields.

## **Diagnostic Solutions**

*Risk Assessment Services.* ExamOne® is the largest provider of risk assessment services to the life insurance industry in North America. Our risk assessment services comprise underwriting support services, including data gathering, paramedical examinations and clinical laboratory testing and analytics, designed to assist life insurance companies objectively to evaluate the mortality risks of applicants. Most specimen collections and paramedical examinations are performed by our network of paramedical examiners at the applicant's home or workplace, but they also are offered at hundreds of Company patient service centers and hundreds of additional North American locations.

*Healthcare Information Technology.* We offer healthcare organizations and clinicians robust health information technology solutions. Our healthcare information technology offerings, including Quanum® Practice Solutions, our Electronic Health Record, Practice Management and Revenue Cycle Management Solutions for healthcare providers, and our award-winning Quanum® Enterprise Content Solutions for IDNs, connect data to decision-making and help clinicians advance clinical and operational strategies. Healthcare organizations use Quanum® Enterprise Content Solutions at over 375 sites in North America. Our Quanum® Electronic Health Record is a cloud-based, mobile-accessible offering that enables clinicians to generate a complete record of a clinical patient encounter, automates and streamlines the clinician's workflow, provides clinical decision support tools, captures patient encounter notes and lab and radiology results and enables secure communication with patients and other clinicians.

**THE CLINICAL TESTING INDUSTRY**

**Key Trends**

The healthcare system in the United States is evolving; significant change is taking place in the system. We expect that the evolution of the healthcare industry, including impacts of the COVID-19 pandemic, which include the increased adoption of telemedicine, will continue, and that industry change is likely to be extensive. There are a number of key trends that are having, and that we expect will continue to have, a significant impact on the diagnostic information services business in the United States and on our business. These trends, discussed in the table below, present both opportunities and risks. We believe that several of the trends, including consolidation, price transparency and consumerization, are favorable to our business.

Because diagnostic information services is an essential healthcare service and because of the key trends discussed below, we believe that the industry will continue to grow over the long term. In addition, we believe that the clinical testing market continued with fundamental changes in 2021. First, we believe that PAMA-driven reimbursement pressure is a catalyst for structural change in the market. Second, we believe that health plans increasingly are focusing on driving better value in laboratory testing services. Third, we believe that ongoing consumerization in healthcare, with increased cost being borne by consumers, is changing consumption of healthcare services. We believe that these changing market fundamentals will benefit lower-cost, high-value providers like Quest and that we are well positioned to grow from the changing market conditions and benefit from the long-term growth expected in the industry.

Key Trends (Table 11)	
<i>PAMA-driven reimbursement pressure</i>	<p>Pursuant to PAMA, reimbursement rates for many clinical laboratory tests provided under Medicare were reduced during 2018 - 2020. PAMA calls for further revision of the Medicare Clinical Laboratory Fee Schedule for years after 2020, based on future surveys of market rates; reimbursement rate reduction from 2023-25 is capped by PAMA at 15% annually.</p> <p>PAMA's next data collection and reporting period have been delayed, most recently by federal legislation adopted in December 2021, which further delayed the reimbursement rate reductions and reporting requirements until January 1, 2023.</p> <p>The American Clinical Laboratory Association, of which the Company is a member, initiated a lawsuit charging that in implementing PAMA, CMS failed to follow a Congressional directive to implement a market-based laboratory payment system. The lawsuit is pending.</p>
<i>Health plans driving value in lab spending</i>	<p>IDNs, which provide outreach testing and may encourage clinicians to send their outreach testing volume to the IDN's laboratory, historically were able to negotiate higher reimbursement rates with health plans than commercial clinical laboratories for comparable services. In addition, health plans generally reimburse non-participating laboratory testing providers at higher out-of-network rates. We are finding increased interest among health plans in driving better value in spending for laboratory testing. Health plans increasingly are taking steps to encourage the movement of testing volume to high value, lower cost providers like our Company, including by identifying preferred provider partners, plan design changes (e.g., zero-dollar out-of-pocket costs for members using preferred providers) and better aligning reimbursement rates for IDN-based providers and independent commercial laboratories. The UnitedHealthcare Preferred Lab Network, which chose us to participate, is a recent example of a health plan taking these steps.</p> <p>Health plans also are increasingly adopting policies, practices and procedures based on requirements imposed by government payers such as Medicare and Medicaid in order to influence the utilization and reimbursement of testing services. These policies, practices and procedures are subject to change without notice.</p>

<p><i>Consumerization</i></p>	<p>Consumers are our customers. Increasingly, consumers are engaged and interested in, and empowered to manage and take direct responsibility for, their own healthcare. As a result, they are more sophisticated in their understanding of their healthcare needs and their expectations of healthcare providers. Some consumers are interested in selecting their own diagnostics tests, rather than relying upon a healthcare professional to select the tests. In addition, consumers often are bearing increased financial responsibility for their healthcare (e.g., high deductible health plans; rising deductibles). In our experience, consumers are more focused on transparency, ease of doing business and understanding diagnostics information services than they have been in the past. Consumers increasingly are demanding convenience; a superior and personalized experience relevant to their needs; and to be empowered to make their own healthcare decisions. During the COVID-19 pandemic, we are seeing consumers increase their use of telemedicine capabilities, increase their responsibility for their own healthcare (e.g., increased consumer-initiated testing; increased specimen self-collection) and increase their openness to new delivery channels (e.g., retail; convenient "pop-up" test centers). In addition, consumers are seeking prompt, direct access to their test results. Increasingly, consumers are motivated to find high quality service providers with strong digital experience delivery engines, accessible customer service and lower prices, like our Company.</p>
<p><i>Prevention and wellness</i></p>	<p>We believe that the value of detection, prevention, wellness and personalized care is well recognized. Government agencies and other customers discussed in table 13 increasingly focus on helping the healthy stay healthy, detecting symptoms among those at risk and providing preventive insight and care that helps avoid disease.</p>
<p><i>Medical innovation</i></p>	<p>Medical advances allow for more accurate and earlier diagnosis and treatment of diseases.</p> <p>Continuing advances in genomics and proteomics are expected to yield new, more sophisticated and specialized diagnostic tests. These advances also are spurring interest in and demand for precision medicine, which relies on diagnostic and prognostic testing and in which data information services and strategies are used to deliver the most effective healthcare to the right populations and individuals.</p> <p>Pharmacogenomic testing increasingly is used as a parameter to help speed drug approval processes and to better focus therapy based on patient and tumor-specific genetic markers.</p> <p>Demand also is growing toward comprehensive care management solutions that serve patients, payers and healthcare providers by improving clinical decision support and access to patient data, and by increasing patient participation in care management and population health management.</p> <p>Innovation also includes making healthcare services, including laboratory testing services, more convenient for populations and consumers to access, including at home (e.g., telehealth) or in retail settings.</p> <p>There is increasing focus on access to patient data and data-driven insights.</p>
<p><i>Healthcare industry evolution</i></p>	<p>Customers discussed in table 13 and other healthcare system participants have been consolidating, converging and diversifying. For example, a number of IDNs are considering establishing or have established health insurance plans, and health insurance providers are considering providing or are providing healthcare services. In recent years, a leading provider of retail medical clinics and pharmacy benefits management services has acquired a leading health insurance provider, a leading health insurance provider has acquired a leading pharmacy benefits manager, and the corporate parent of a leading health insurance company provides a wide array of healthcare services through its non-insurance company subsidiaries. Health plans are entering agreements with other providers of healthcare services, including laboratory testing services providers, to partner on value-based approaches to delivering healthcare to populations.</p> <p>Consolidation is increasing pricing transparency and bargaining power, and may encourage internalization of clinical testing.</p> <p>Physicians frequently now are employed by IDNs, ACOs, DCEs or large group practices integrated with IDNs, instead of organizing physician-owned practices, which is impacting the dynamics for whether clinical testing is performed in or outside of an IDN. Physicians and other clinicians also increasingly are being employed by health plans or their affiliates.</p> <p>Value-based reimbursement is contributing to changes in the healthcare system. ACOs, DCEs and patient-centered medical homes have grown as a means to deliver patient care. Healthcare services increasingly are being provided by non-traditional providers (e.g., physician assistants), in non-traditional venues (e.g., retail medical clinics, urgent care centers) and using new technologies (e.g., telemedicine, digital pathology).</p> <p>Changes are taking place in the way that some healthcare services are purchased and delivered in the United States. IDNs are under significant pressure, and are evolving.</p>

<p><i>Pricing transparency</i></p>	<p>There has been a trend toward greater pricing transparency in healthcare, including in the laboratory testing marketplace. Several states have taken action to foster greater pricing transparency in healthcare. For example, Massachusetts launched a website to help consumers understand the wide variation in healthcare costs. Federal laws effective January 1, 2022 require health care providers to provide good faith estimates of costs to self-pay patients, and provide rights and protections for consumers against surprise billing or balance billing. In addition, the federal government requires providers of COVID-19 testing to post on their websites information regarding test pricing, and has adopted new legislation and issued new regulations designed to increase transparency regarding pricing and quality in healthcare, including requiring providers, group health plans and insurers to disclose cost information to consumers in advance of care being provided.</p> <p>Increased price transparency, combined with increased patient financial responsibility for medical care, is enhancing purchasing sophistication and fostering changes in behavior in the healthcare marketplace. We believe that increased price transparency should benefit lower cost, high value providers like our Company.</p>
<p><i>Competition</i></p>	<p>The diagnostic information services industry remains fragmented, is highly competitive and is subject to new competition.</p> <p>Competition is emerging from new technologies (e.g., digital pathology) and growing from non-traditional competitors (e.g., a government agency or an employer establishing its own clinical laboratory for testing; providers of consumer-initiated testing). Increased IDN acquisitions of physician practices may enhance clinician ties to IDN-affiliated laboratories and may strengthen their competitive position. However, in light of other trends, including continued reimbursement pressure, IDNs may change their approach to providing clinical testing services.</p> <p>New industry entrants with extensive resources may make acquisitions or expand into our traditional areas of operations.</p>
<p><i>Healthcare utilization</i></p>	<p>Healthcare utilization in the United States has fluctuated based on a number of factors. These factors include, without limitation, the economy, healthcare benefits design, patients delaying medical care (e.g., due to the COVID-19 pandemic), and increased consumer financial responsibility for, interest in and control of their healthcare.</p>
<p><i>Reimbursement pressure; affordability</i></p>	<p>There is a strong focus in the United States on controlling the overall cost of healthcare.</p> <p>Healthcare market participants, including governments, are focused on controlling costs. Examples of cost control approaches include reducing reimbursement for healthcare services, changing reimbursement for healthcare services (e.g., shift from fee for service to capitation), changing medical coverage policies (e.g., healthcare benefits design), denying coverage for services, requiring preauthorization of laboratory testing, requiring co-pays, introducing laboratory spend management utilities and payment and patient care innovations such as ACOs, DCEs and patient-centered medical homes. CMS has set goals for value-based reimbursement to be achieved in Medicare. There is increased market activity regarding alternative payment models, including bundled payment models.</p> <p>The Health Transformation Alliance, a group of over 50 major U.S. companies, was formed to improve and reform the healthcare system in the United States. The rising cost of healthcare in the United States was a key driver for the formation of this alliance.</p> <p>While pressure to control healthcare costs poses a risk to our Company, it also creates opportunities, such as an opportunity for increased proper utilization of testing as an efficient means to manage the total cost of healthcare. We believe that it also creates greater opportunities for consolidation and gaining share for high value, lower-cost providers, like our Company, as compared to other providers.</p>
<p><i>Legislative, regulatory and policy environment</i></p>	<p>Government oversight of and attention to the healthcare industry in the United States is significant and increasing; healthcare payment reform and cost transparency are significant issues.</p> <p>Legislation introduced in Congress would enable the FDA to regulate LDTs, in vitro diagnostics, software and other items used in the diagnosis of disease. If the legislation becomes law, the FDA could regulate diagnostic tests and components and platforms used as part of these tests. The FDA and HHS also have expressed views regarding the regulation of LDTs. Either new law or a revised approach to regulation of LDTs could have a significant impact on the clinical laboratory testing industry, including regulating LDTs in new ways, while creating avenues of opportunity and competition regarding clinical laboratory testing. New competitors may enter the industry, and competition may come in new forms.</p>



<p><i>Use of healthcare data; technology</i></p>	<p>The increased availability of healthcare data, including data made available as a result of next generation DNA sequencing, and the increased ability to effectively analyze that data at population and patient levels, is impacting healthcare practices. It is anticipated that the increased use of data in healthcare, coupled with mobile healthcare IT solutions for doctors and patients, will help to improve patient outcomes and reduce overall healthcare costs. We provide automated next generation genetic sequencing, which will enable genetic screening faster and at lower cost.</p> <p>Use of healthcare data, including integrated diagnostic and decision support solutions, predictive analytics, and healthcare information technology, is spurring advances in precision medicine, including medical decision making and value, for populations and individuals. The increased focus on data and its use is increasing focus on maintaining the privacy of patient data.</p> <p>There is a need for technology solutions to harness these opportunities. In addition, new technology, social media and mobile technology are changing the way that healthcare markets interact with each other, and the expectations that they have about how services are provided, what services are provided, and other capabilities of healthcare market participants. These developments are creating new opportunities and new challenges and disrupting the healthcare environment. For example, during the COVID-19 pandemic, telemedicine practices became more commonly used; digital pathology is an emerging technology that may change the practice of pathology. Information technology that includes self-learning or "artificial intelligence" features is growing and may impact the healthcare industry.</p> <p>Healthcare market participants, including many of our customers discussed in table 13, are striving to leverage interoperability and healthcare data analysis to positively influence the health of patient populations while maintaining patient privacy.</p>
<p><i>Chronic diseases and conditions; gaps in care</i></p>	<p>We believe that the cost and challenges of identifying, treating and controlling chronic diseases and conditions such as diabetes and heart disease are now well recognized.</p> <p>As a result of multiple factors, including increased focus on population health management and pressure to reduce the systemic costs associated with such diseases and conditions, there is increased focus on better identifying and attempting to reduce or eliminate the gaps in care historically associated with these diseases and conditions. Healthcare market participants are developing new approaches for this purpose.</p> <p>As a result of the COVID-19 pandemic, there has been an increase in delays in diagnosis and treatment of chronic diseases and conditions, particularly in underserved communities, increasing potential gaps in care. The COVID-19 pandemic called attention to gaps in care of these conditions in underserved populations; we believe that there also is increased focus on reducing or eliminating these gaps in care.</p>
<p><i>Healthcare services delivery</i></p>	<p>Healthcare delivery is moving out of hospitals, clinician offices and other traditional locations in which it had been provided. Care is increasingly being provided in new settings, such as outpatient, consumer-focused and home settings. In response to the COVID-19 pandemic, telemedicine practices became more commonly used. In addition, see the discussion of Emerging Retail Healthcare Providers in table 13. This dynamic offers new opportunities and challenges for healthcare providers and reflects not only efforts to take advantage of new technologies, but also the trends of consumerization and affordability, each of which are discussed above in this table.</p>

**The Value of Diagnostic Information Services**

There is an increased focus on the affordability of healthcare and on a disease-oriented approach to diagnostics, treatment and management. Healthcare providers, consumers and payers increasingly recognize the value of diagnostic information services as a means to improve health and reduce the overall cost of healthcare through early detection, prevention and treatment. Healthcare providers increasingly rely on diagnostic information services to help identify risk for a disease, to detect the symptoms of disease earlier, to aid in the choice of therapeutic regimen, to monitor patient compliance and to evaluate treatment results. Table 12 highlights how diagnostic information services contribute to improving care and reducing healthcare costs.

**Reducing Healthcare Costs and Improving Care (Table 12)**

- Identifying patients at risk for disease before they require urgent care, hospital treatment or expensive therapies
- Helping clinicians to target the right medicines for the right patients at the right time
- Identifying treatment-related side effects
- Assessing early the efficacy of a therapy, enabling changes or discontinuation of ineffective therapies
- Enabling population health management by identifying gaps in care and delivery of targeted solutions to individuals who need care
- Identifying and proactively managing individuals at risk for chronic diseases, to decrease progression and associated costs and morbidity
- Providing telemedicine services along with laboratory testing to help individuals interpret and obtain appropriate advice and referrals into needed care

**Customers**

We provide diagnostic information services to a broad range of customers, including those discussed in table 13. As discussed in table 11 above, customers are consolidating, converging and diversifying. In many cases, the customer that orders our services is not responsible for paying for these services. Depending on the billing arrangement and applicable law, the payer may be the patient or a third party, such as a health plan, Medicare or a Medicaid program. Increasingly, patients are bearing greater responsibility for some portion of the payment for the services we provide to them, even if a third party is primarily responsible for payment. In addition, consumers are more frequently taking advantage of offerings like the Company's QuestDirect® offering, and requesting and paying for tests themselves.

Customers (Table 13)	
<i>Health plans including managed care organizations and other health insurance providers</i>	<p>These customers typically reimburse us as a contracted (or out-of-network) provider for services rendered to their members. In certain locations, health plans may delegate to IPAs or other alternative delivery systems (e.g., physician IDN organizations, ACOs, DCEs, patient-centered medical homes) the ability to negotiate for diagnostic information services on behalf of certain members.</p> <p>Health plans and IPAs often require that diagnostic information services providers accept discounted fee structures or assume all or a portion of the financial risk associated with providing such services through capitated payment arrangements. Under capitated payment arrangements, we provide services at a predetermined monthly reimbursement rate for each covered member, generally regardless of the number or cost of services provided by us. Under some capitated programs, we may provide certain services on a negotiated fee-for-service basis. Reimbursement under programs that do not provide for capitated payments is typically negotiated on a fee-for-service basis.</p> <p>Reimbursement from our five largest health plans totaled approximately 20%, and no one health plan accounted for 10%, of our consolidated net revenues in 2021. Health plans typically negotiate directly or indirectly with a number of diagnostic information services providers, and represent approximately one-half of our total clinical testing volume and approximately 43% of our net revenues from diagnostic information services. There has been a trend of consolidation among health plans. Some health plans also have narrowed their provider networks. In addition, some health plans have established "preferred provider" networks within their broader networks (e.g., UnitedHealthcare's Preferred Lab Network), in effect distinguishing among contracted providers.</p> <p>We are also sometimes a member of a "complementary network." A complementary network generally is a set of contractual arrangements that a third party maintains with various providers that provide discounted fees for the benefit of its customers. A member of a health plan may choose to access a non-contracted provider that is a member of a complementary network; if so, the provider will be reimbursed at a rate negotiated by the complementary network.</p> <p>We offer to health plans services and programs that leverage our Company's expertise and resources, including our superior patient access, extensive test menu, medical staff, data, information technology solutions, and wellness and population health management capabilities.</p> <p>Since the beginning of 2019, the Company has had access to a very high percentage of the insured lives in the U.S., including very strong access in key high-population states. We believe that this strong access increases our attractiveness to other customer groups, including clinicians, patients and employers.</p>
<i>Clinicians</i>	<p>Clinicians, including primary care physicians, specialists and physician assistants, requiring diagnostic information services for patients are the primary referral source for our services when patients choose their diagnostic information services provider.</p> <p>In recent years, there has been a marked increase in the number of physician practices owned by IDNs. There also has been a notable increase in some branches of medicine of the establishment of very large "rolled-up" specialty physician practice groups. IDNs that own physician practices may encourage or require the practices to refer outreach testing to the IDN's affiliated laboratory. Large specialty physician groups may encourage their members to refer testing to other members of the group. In each case, referrals to independent diagnostic services providers may be reduced.</p> <p>Clinicians determine which laboratory to recommend or use based on a variety of factors, including those set forth in table 14.</p>



<p><i>IDNs</i></p>	<p>We believe that we are an industry leader in servicing hospitals. We provide services to IDNs throughout the United States, including advanced testing services, in some cases managing or serving as the medical directors of their laboratories (including through our industry-leading Professional Lab Services offering discussed in table 3 above). IDNs generally maintain an on-site laboratory to perform the significant majority of clinical testing for their patients (inpatients and outpatients) and refer certain testing to outside service providers, which typically charge the IDNs on a negotiated fee-for-service basis. Fee schedules for IDN reference testing services often are negotiated on behalf of IDNs by group purchasing organizations.</p> <p>We also have joint venture arrangements with leading IDNs in several metropolitan areas. These joint venture arrangements, which provide diagnostic information services for affiliated IDNs as well as for unaffiliated clinicians and other local healthcare providers, serve as our principal facilities in their service areas. Typically, we have either a majority ownership interest in, or day-to-day management responsibilities for, our joint venture relationships.</p> <p>In light of continued pressure to reduce systemic healthcare costs, IDNs may change their approach to providing clinical testing services, including by insourcing tests, seeking ways to improve profitability or to better utilize their laboratory capacity. We believe that our combination of services positions us to be an attractive partner for IDNs, offering a full range of strategic relationships.</p>
<p><i>ACOs and DCEs</i></p>	<p>An ACO is a network of providers and facilities that share financial risk in providing or arranging for the provision of healthcare. A DCE is a healthcare provider that is contracted directly with Medicare and agrees to assume some level of financial risk for providing Medicare services. ACOs and DCEs have increased in number; their impact on the provision of healthcare services to date has varied.</p> <p>ACOs and DCEs may exercise operational and financial control over providers across the continuum of care, and may function as a payer. Thus, they may be able to manage the health of a population group within a defined geography, and also may be able to influence the cost and quality of healthcare delivery. They may be encouraged to consider exclusive arrangements with healthcare providers, or to limit service providers.</p> <p>We are actively engaging with ACOs and DCEs to demonstrate the value of our services.</p>
<p><i>Employers</i></p>	<p>Employers use tests for drugs of abuse to determine an individual's employability and his or her "fitness for duty." Companies with high levels of employee hiring, safety conscious environments or regulatory testing requirements provide the highest volumes of testing. Factors such as the general economy, the job market and changes in the legal environment (e.g., marijuana decriminalization) can impact the utilization of drugs-of-abuse testing. Some employers retain third party administrators to handle such testing and related services; we support the needs of third party administrators as well as employers who retain us directly.</p> <p>Employers also are investing in population health services. We meet their needs by providing nationwide access to our customizable services (discussed above at page 13), directly and through health plan and health improvement providers. These services help employers, employees and others manage healthcare costs, capitalize on trends in personalized health and improve health outcomes. In response to the COVID-19 pandemic, we expanded our offerings to employers to assist their pandemic response to create safer workplaces (discussed above at page 13).</p> <p>We seek to grow our employer business through offering new and innovative programs to help them with their goals of (1) maintaining a safe and productive workplace, (2) improving healthcare for employees and (3) lowering healthcare costs for employees and employers.</p>
<p><i>Consumers</i></p>	<p>We are well positioned to provide information and insights to patients to help them take actions to improve their healthcare. The changing expectations of patients about their healthcare and their healthcare transactions are influencing our services and the way we provide them. See the discussions of our consumer strategy at page 5 and consumerization above in table 11.</p>
<p><i>FQHCs</i></p>	<p>Federally Qualified Health Centers offer a broad array of healthcare services, including to historically underserved populations. We strive to offer an attractive array of services to FQHCs to demonstrate the value of our services.</p>

<p><i>Emerging Retail Healthcare Providers</i></p>	<p>In recent years, as the healthcare sector changes, retail providers of healthcare services have emerged and are growing. These providers include "big-box" retailers, pharmacy chains, supermarkets, urgent care centers and Internet-based service providers.</p> <p>We are taking advantage of opportunities to work with these providers, not only to offer new access partners (e.g., CVS retail locations) and new access points for our services (e.g., our collaboration with Safeway), but also to grow our business by expanding our service offerings (e.g., our joint venture with Walmart). See the discussion of our consumer strategy at page 5.</p>
<p><i>Government Agencies</i></p>	<p>We provide services on a fee-for-service basis to federal, state and local governmental agencies. Historically, most Medicare and Medicaid beneficiaries were covered under the traditional Medicare and Medicaid programs administered by the federal government. Over the last several years, the federal government has expanded its contracts with private health insurance plans for Medicare beneficiaries and has encouraged such beneficiaries to switch from the traditional programs to the private programs, called "Medicare Advantage" programs. There has been growth of health insurance providers offering Medicare Advantage programs and of beneficiary enrollment in these programs. States also have mandated that Medicaid beneficiaries enroll in private managed care arrangements. During the COVID-19 pandemic, we provided additional services to and in conjunction with government agencies across the United States in connection with the COVID-19 pandemic.</p>
<p><i>Pharmaceutical companies</i></p>	<p>We have expertise with laboratory developed tests for companion and complementary diagnostics, and offer an array of assets and services to support the development of companion diagnostics, including our robust data set and patient services network.</p> <p>We also offer Quest Clinical Trials Connect,™ to help accelerate clinical trials (and thus the speed of drugs to market) through better patient recruitment, involvement and management, and improved physician outreach.</p>
<p><i>Other Laboratories</i></p>	<p>We provide services on a fee-for-service basis to other commercial clinical laboratories.</p>

**Competition.** While there has been consolidation in the diagnostic information services industry in recent years, our industry remains fragmented and highly competitive. We primarily compete with three types of clinical testing providers: commercial clinical laboratories, IDN-affiliated laboratories and physician-office laboratories. Our largest commercial clinical laboratory competitor is Laboratory Corporation of America Holdings, Inc. In addition, we compete with many smaller regional and local commercial clinical laboratories, specialized advanced laboratories and providers of consumer-initiated testing. In anatomic pathology, we compete with anatomic pathology practices, including those in academic institutions and large physician group practices, and providers of emerging digital pathology solutions. There also has been a trend among specialty physician practices to establish their own histology laboratory capabilities and/or bring pathologists into their practices, thereby reducing referrals from these practices and increasing the competitive position of these practices.

<p>Healthcare providers consider a number of factors when selecting a diagnostic information services provider.</p>	
<p><b>Potential Factors Considered When Selecting a Diagnostic Information Services Provider (Table 14)</b></p>	
<ul style="list-style-type: none"> <li>• Service capability and quality</li> <li>• Accuracy, timeliness and consistency in reporting test results</li> <li>• Access to medical/scientific thought leaders for consultation</li> <li>• Patient insurance coverage and experience</li> <li>• Number and type of tests performed</li> <li>• Pricing and overall value</li> <li>• Real time payment determination</li> </ul>	<ul style="list-style-type: none"> <li>• Reputation in the medical community</li> <li>• Healthcare information technology solutions, including connectivity options</li> <li>• Patient access, including the number, convenience and geographic coverage of patient service centers</li> <li>• Ability to develop new and useful tests and services</li> <li>• Qualifications of its staff</li> <li>• Provider office workflow</li> <li>• Capabilities to support population health initiatives</li> </ul>

We believe that providing the most attractive service offering in the industry, including the most comprehensive test menu, innovative test offerings, a positive customer experience, a staff including medical and scientific experts, strong quality, unparalleled access and distribution, and data-powered integrated information technology solutions provide us with a competitive advantage.

We believe that large diagnostic information services providers have a competitive advantage due to their large networks and lower cost structures. These advantages should enable larger providers to serve customers more effectively. In addition, we believe that consolidation in the diagnostic information services industry will continue. However, a significant portion of clinical testing is likely to continue to be performed by IDNs, which generally have affiliations with community clinicians and may have more, or more convenient, locations in a market. As a result, we compete against IDN-affiliated laboratories primarily on the basis of service capability, quality and pricing. In addition, market activity may increase the competitive environment. For example, IDN ownership of physician practices may enhance the ties of the clinicians to IDN-affiliated laboratories, enhancing the competitive position of IDN-affiliated laboratories. ACOs and DCEs and their approach to contracts with healthcare providers also may impact competition to provide diagnostic information services.

The diagnostic information services industry is faced with changing technology, new product introductions and new service offerings. Competitors may compete using advanced technology, including technology that enables more convenient or cost-effective testing. Digital pathology, still in an emerging state, is an example of this. Competitors also may compete on the basis of new service offerings. Competitors also may offer testing to be performed outside of a commercial clinical laboratory, such as (1) point-of-care testing that can be performed by physicians in their offices; (2) testing that can be performed by IDNs in their own laboratories; and (3) home testing that can be carried out without requiring the services of outside providers.

The risk assessment and healthcare information technology industries are highly competitive. We have many competitors, some of which have much more extensive experience in these industries and some of which have greater resources. We compete in the risk assessment business by seeking to provide a wider array of quality, integrated services than our competitors, faster services completion and a superior applicant experience. We compete in the healthcare information technology industry by offering solutions that foster better patient care and improve performance for healthcare providers, including smaller and medium sized physician practices.

## GENERAL

**Human Capital Management.** Creating an inspiring workplace is one of our three corporate goals, and this goal drives our approach to human capital management. Effectively managing our human capital resources is a priority with key components that include culture, safety and well-being programs, employee engagement, and training, development and succession planning. Our Board of Directors actively engages in oversight of our human capital management, including by receiving management reports on key areas, strategies and initiatives. Additional information about our human capital management strategies and initiatives is available in our annual corporate responsibility report.

As of December 31, 2021, we have approximately 49,000 employees, of whom approximately 40,000 are full-time and the remainder are part-time or on-call. Our employee population is more diverse than the U.S. workforce, taken as a whole. Approximately 71% of our employees globally identify as women; approximately 51% of our U.S. employees identify as people of color. A majority of our employees work directly with our customers or in our laboratories. Fewer than 1% of our employees are represented by a union. We believe that our overall relations with our employees are good.

*Culture.* We strive to foster a strong culture, built on our Code of Ethics, which reinforces our commitment to integrity and aligns with our vision, values, goals and brand. Our Quest Management System, discussed above at page 8, supports our effort to maintain a focus on high performance. We also focus on building and maintaining a collaborative, diverse and inclusive culture in which all employees are empowered to raise and discuss difficult issues and valued for their strengths, experience and unique perspectives (our focus on diversity and inclusion is discussed further below). We encourage our employees to actively participate in their communities, and support their participation, including offering incentives for participation. Our Everyday Excellence program includes guiding principles for our entire organization to support a superior customer experience and inspire employees to be their best every day, with every person and with every customer interaction; the program is integrated into performance assessments and frontline employee behavioral standards. Our Recognition Quest Program reinforces our commitment to recognize above and beyond contributions and to demonstrating how much we value, care for and appreciate one another by regularly celebrating and rewarding one another as we work together.

*Safety and Well-Being.* The health and safety of our employees is of paramount concern. We use a systematic, risk-based approach to develop tailored incident prevention and response programs designed to keep our employees safe in each of our diverse functional areas, and use data insights and a detailed audit program to foster the effectiveness of our programs. We have a comprehensive curriculum of annual safety training, as well as training for new employees. During the COVID-19 pandemic, our cross-functional Safely Working Together Steering Committee designed and implemented tactics, techniques and procedures to enable our colleagues to continue to work safely. As part of our comprehensive and competitive compensation and benefits program, we also offer innovative initiatives to support the well-being of our employees and their

families through our HealthyQuest program. The cornerstone of HealthyQuest is our Blueprint for Wellness program, which empowers our employees and their dependents with health insights based on lab and biometric data and invites them each year to take the initiative to improve their physical and mental health. We also offer other programs designed to engage employees in managing their health, including access to medical expertise and support programs tailored to their individual needs, helping them to adopt healthier behaviors and access better care at lower costs. These include customized programs for conditions such as type 2 diabetes management, chronic kidney disease, cardiovascular disease, zero-cost lab testing and specialty drugs, and special support for orthopedic surgery and for cancer and other serious diagnoses. For 2022, we enhanced our mental health offering for employees.

*Inclusion and Diversity.* We understand the need to create an environment where employees can bring their whole selves to work. We aim to harness the unique mix of capabilities, talents, cultures, beliefs and experience of our employees and create a workforce that is demographically diverse at all levels of the organization. Through our CTC Framework (focusing on Culture, Talent and Community), we prioritize diversity across the entire talent lifecycle, with the goals of supporting employees throughout their careers at Quest, ensuring transparency and identifying opportunities for action. In 2021, we continued to focus on inclusion and diversity issues through additional training for leaders and other employees. We also continued, with the Quest Diagnostics Foundation, Quest for Health Equity, our initiative to help reduce health disparities in underserved communities.

*Engagement.* Since 1997, we have sought to foster the engagement and enablement of our employees, and have regularly surveyed our employees to assess their engagement. Employee engagement has been a metric in the annual incentive plan for our executive officers since 2013. In 2020, we launched a new strategy for gathering employee feedback that utilizes more frequent employee surveys. This approach is designed to build an agile culture, based on continuous feedback that fuels ongoing conversations about priorities, performance, opportunities and growth, to result in a higher performing organization and committed employees. In addition, throughout the COVID-19 pandemic, we have held weekly or bi-weekly meetings among hundreds of company leaders to foster increased communication across the company regarding topics of concern to employees.

*Training, Development and Succession Planning.* We provide training on a wide array of topics to our employees through live and online formats, including opportunities that can be accessed through their mobile devices. We also offer a number of development opportunities for our employees, such as mentoring and education programs, including a higher education tuition reimbursement or assistance program. In addition, we provide leadership training opportunities for employees at all levels, including a manager essentials curriculum, our Leading Quest Supervisor and Manager Core Program, coaching programs and trainings to strengthen critical leadership skills. We also deliver a number of programs tailored to specific functions to drive a high-performance culture and sharpen the capabilities needed to lead our organization (e.g., our Commercial, Finance, Pathology, R&D, and Product Management Leadership Programs). We have a robust talent assessment and succession planning process to promote business continuity, including at the most senior levels; this planning is linked to our engagement and inclusion and diversity initiatives, to foster those efforts.

**Sales and Marketing.** Our Diagnostic Information Services business has a unified commercial organization focused on the sale of most of our services. It coordinates closely with our clinical franchises (discussed above under the heading **Innovation**) and marketing organization. The commercial organization is centrally led, and is organized regionally, in conjunction with our operations organization, to focus on local customer needs and to ensure aligned delivery for our customers. Our commercial organization employs world-class processes and tools and strong management discipline. We provide industry-leading training and development, focus on opportunities with IDNs and specialty physicians, and foster a customer-focused, performance-driven culture. We also maintain distinct sales and marketing organizations for our offerings in Diagnostic Solutions and our employer drugs-of-abuse testing services. In 2021, we launched a new marketing campaign designed to remind customers of the value that we bring to healthcare. Our "Powering Affordable Care" campaign speaks about our leadership in clinical innovation, our ability to enable better clinical outcomes, our improved patient experience and our ability to reduce the cost of care.

**Information Technology.** We use information systems extensively in virtually all aspects of our business, including clinical testing, test ordering and reporting, billing, customer service, logistics and management of medical data. We endeavor to establish systems that create value and efficiencies for our Company and customers. The successful delivery of our services depends, in part, on the continued and uninterrupted performance of our information technology systems. We take precautionary measures to prevent problems that could affect our information technology systems.

Some of our historic growth has come through acquisitions and, as a result, we continue to use multiple information systems. We have made significant progress implementing common systems in our regional laboratories, and we continue to standardize laboratory information and billing systems across our operations. We expect that our standardization efforts will



take several more years to complete, and will result in significantly more centralized systems, improved operating efficiency, more positive customer experiences and enhanced control over our operational environment. Even after we complete our efforts to standardize our legacy systems, we will need to focus on standardizing systems in connection with future business acquisitions.

**Quality Assurance.** As discussed further under the heading *Quality* on page 7, our goal is to provide every patient with services and products of superior quality, and to meet that goal we employ the Quest Management System. Employing root cause analysis, process improvements and rigorous tracking and measuring, we continuously seek to enhance quality, reduce defects, further increase the efficacy and efficiency of our operations and processes, eliminate waste and help standardize operations across our Company.

In our laboratory operations, our quality assurance efforts focus on pre-analytic, analytic and post-analytic processes, including positive patient identification of specimens, appropriate specimen transport, analysis and report accuracy, reference interval establishment and review, statistical process control and personnel training for all of our laboratories and patient service centers. As part of our quality assurance program, we utilize internal proficiency testing, comprehensive quality control and rigorous process audits. We have introduced comprehensive and digitized data analytics software that implements advanced automated quality control procedures, offering both real-time and post-analytic analysis of data at the laboratory and corporate level. We monitor test results to identify trends, biases, instrument failures and population shifts through digitization and data analytics. We also focus on the licensing, credentialing, training and competence of our professional and technical staff. For example, our cytotechnologists and pathologists participate in an internal peer-review evaluation and one or more external individual proficiency testing programs.

We have accreditation or licenses for our clinical laboratory operations from various regulatory agencies or accrediting organizations, such as CMS, CAP and certain states. All of our laboratories participate in external quality surveillance programs, including proficiency testing programs administered by CAP and several state agencies. CAP is an independent, nongovernmental organization of board-certified pathologists approved by CMS to inspect clinical laboratories to determine compliance with the standards required by CLIA. CAP offers an accreditation program to which clinical laboratories may voluntarily subscribe. All of our major laboratories, including our laboratories outside the U.S., and a number of our rapid response laboratories, are accredited by CAP. Accreditation includes on-site inspections and participation in the CAP (or equivalent) proficiency testing program. In addition, some of our laboratories also have International Organization for Standardization (ISO) certification for their quality management systems.

We maintain a robust Supplier Quality Program designed to ensure a high quality supplier network and to raise the bar of quality expectation across that network. We expect suppliers to provide the highest quality products and services and to embrace an ethic of transparent quality collaboration. In our program, we aim to ensure and improve the quality of purchased products and services. Our suppliers are expected to operate under quality management principles that meet industry standards, strive for zero defect manufacturing, use statistical analysis to reduce variation and meet applicable regulatory standards. In choosing suppliers, we evaluate their quality systems and quality performance metrics. Our supplier qualification process is risk-based, with assessments and on-site audits based on risk tiers. Contracts with our suppliers include specific quality, compliance, and change management provisions as appropriate. We use supplier quality engineers who are trained to audit on ISO standards and FDA regulations applicable to suppliers' processes, and a procurement engineering team to assist with qualification and validation of new supplies and products. We actively manage supplier performance, utilizing a problem reporting and resolution process designed to drive to root cause and corrective actions. We maintain a continuous improvement dialogue with our suppliers, and with operationally critical suppliers deliver a supplier scorecard that supports continuous improvement.

We also maintain quality assurance programs for IDN laboratories that we manage, and for our services offerings outside laboratories.

**Intellectual Property Rights.** We own significant intellectual property, including patents, patent applications, technology, trade secrets, know-how, copyrights and trademarks in the United States and other countries. From time to time, we also license patents, patent applications, technology, trade secrets, know-how, copyrights or trademarks owned by others; we also may license our intellectual property to others. In the aggregate, our intellectual property assets and licenses are of material importance to our business. We believe, however, that no single patent, technology, trademark, intellectual property asset or license is material to our business as a whole. Our approach is to manage our intellectual property assets, to safeguard them and to maximize their value to our enterprise. We actively defend our important intellectual property assets and pursue protection of our products, processes and other intellectual property where possible.

**Enterprise Risk Management Program.** We maintain an enterprise risk management program designed to promote a culture of risk awareness throughout the Company's key business, operations and support functions. Our program, which is

integrated with the Company's governance, performance management and internal control frameworks, entails a formal continuous process that identifies, assesses, mitigates and manages the risks from both internal and external conditions that could significantly impact the Company and influence its business strategy and performance. The program is based on the most recent framework issued by the Committee of Sponsoring Organizations of the Treadway Commission, which focuses on the following risk types:

- Operational risk - risks arising from systems, processes, people and external events that affect the Company's operational objectives or fundamental reason for its existence, including: product life-cycle and execution; service quality and performance; information management and data protection and security, including cybersecurity; supply chain and business disruption; and other risks, including human capital and reputation.
- Financial risk - risks arising from the Company's ability to meet its financial obligations pursuant to its strategic and operational objectives, including exposure to broad market and more specific industry risk that could impact liquidity, interest rate, credit, pricing and reimbursement, and also to internal and external financial reporting.
- Legal and compliance risk - risks arising from the regulatory and enforcement environment, legal proceedings and adherence to ethics and compliance policies and procedures.
- Strategic risk - risks that will impede the Company's plan to achieve its mission and vision and apply its core values, including changes in the broad market and Company's industry, business development and restructuring activities, competitive threats and practices, technology and product innovation, and public policy.

As part of our program, we routinely assess our enterprise level risks, emerging risks, overall Company-level risk tolerance and the effectiveness of risk management, and monitor the progress of and resources applied to risk mitigation; our Board of Directors actively oversees our program. Our primary risk factors are discussed in **Risk Factors** beginning on page [32](#).

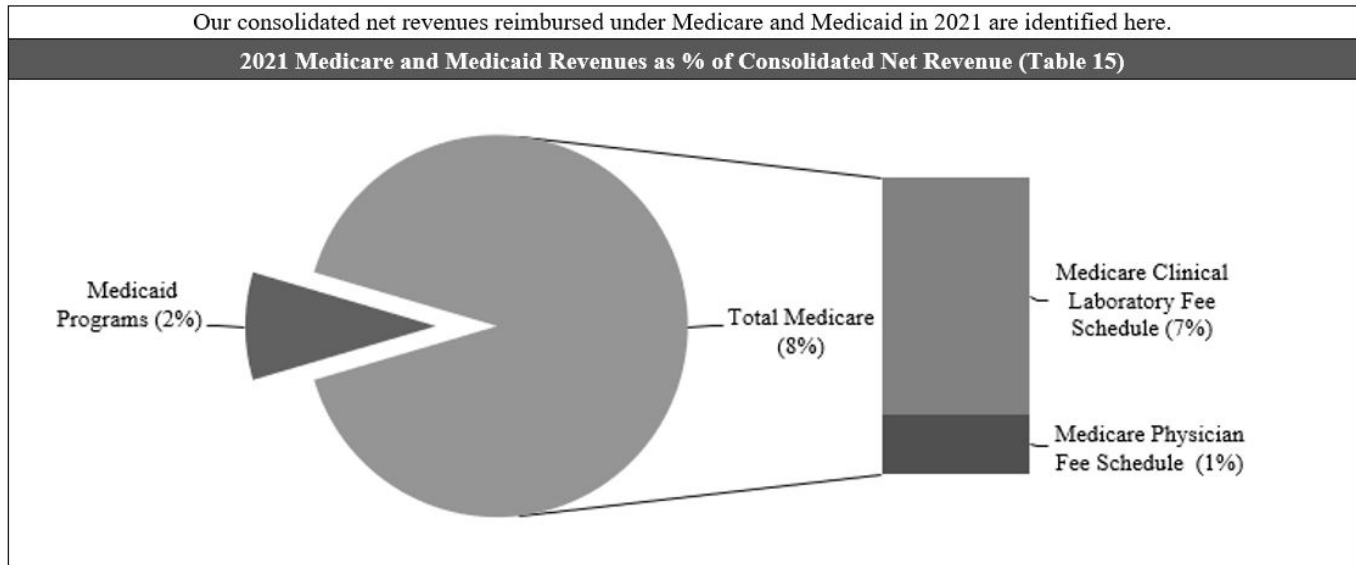
**Billing; Government Reimbursement.** We generally bill for diagnostic information services on a fee-for-service basis under one of two types of fee schedules; fees may be negotiated or discounted. The types of fee schedules are:

- "Client" fees charged to physicians, IDNs and institutions for which services are performed on a wholesale basis and which are billed on a monthly basis.
- "Patient" fees charged to individual patients and certain third-party payers on a claim-by-claim basis.

Billing for diagnostic information services is very complicated. Our customers, discussed in table 13, have different billing requirements. Some billing arrangements require us to bill multiple payers, and there are several other factors that complicate billing (*e.g.*, disparity in coverage and information requirements among payers; incomplete or inaccurate billing information provided by ordering clinicians; and lack of access to patients before testing). We maintain compliance policies and procedures for our billing practices, and we audit our practices for compliance with applicable laws and regulations and internal policies and procedures.

With regard to the clinical testing services performed on behalf of Medicare beneficiaries, we generally must bill Medicare directly and must accept the Medicare carrier's fee schedule amount for covered services as payment in full. In addition, state Medicaid programs are prohibited from paying more (and in most instances, pay significantly less) than Medicare. Currently, Medicare does not require the beneficiary to pay a co-payment for diagnostic testing services reimbursed under the Clinical Laboratory Fee Schedule, but generally does require a patient deductible and co-insurance for anatomic pathology services.

Part B of the Medicare program contains fee schedule payment methodologies for clinical testing services performed for covered patients, including a national ceiling on the amount that carriers could pay under their local Medicare clinical testing fee schedules. Historically, the Medicare Clinical Laboratory Fee Schedule and the Medicare Physician Fee Schedule established under that program have been subject to change, including each year. Pursuant to PAMA, reimbursement rates for many clinical laboratory tests provided under Medicare were reduced from 2018 - 2020. PAMA calls for further revision of the Medicare Clinical Laboratory Fee Schedule for years after 2020, based on future surveys of market rates; reimbursement reduction from 2023-25 is capped by PAMA at 15% annually. PAMA's next data collection and reporting period have been delayed, most recently by federal legislation adopted in December 2021, which further delayed the reimbursement rate reductions and reporting requirements until January 1, 2023.



Our net revenues reimbursed under Medicare and Medicaid in 2021 were lower as a percentage of our consolidated net revenues than in recent years (excluding 2020, when we also experienced significant COVID-19 testing). Excluding revenues attributable to COVID-19 testing, approximately 13% of our net revenues were reimbursed under Medicare and Medicaid in 2021, compared to approximately 15% in 2019.

**REGULATION**

We are subject to extensive and frequently changing laws and regulations in the United States (at both the federal and state levels) and other jurisdictions in which we conduct business, and to government inspections and audits.

**Key Regulatory Schemes (Table 16)**

<i>CLIA and State Clinical Laboratory Licensing</i>	<p>CLIA regulates the operations of virtually all clinical laboratories, requiring that they be certified by the federal government and that they comply with various technical, operational, personnel and quality requirements intended to ensure that the services provided are accurate, reliable and timely.</p> <p>State laws may require additional personnel qualifications or licenses, quality control, record maintenance, proficiency testing or detailed review of our scientific method validations and technical procedures for certain tests.</p> <p>Violations of these laws and regulations may result in monetary fines, criminal and civil penalties and/or suspension or exclusion from participation in Medicare, Medicaid and other federal or state healthcare programs.</p>
<i>Medicare and Medicaid; Fraud and Abuse</i>	<p>Diagnostic testing services provided under Medicare and Medicaid programs are subject to complex, evolving, stringent and frequently ambiguous federal and state laws and regulations, including those relating to billing, coverage and reimbursement.</p> <p>Anti-kickback laws and regulations prohibit making payments or furnishing other benefits to influence the referral of tests billed to Medicare, Medicaid or certain other federal or state healthcare programs.</p> <p>In addition, federal and state anti-self-referral laws generally prohibit Medicare and Medicaid payments for clinical tests referred by physicians who have an ownership or investment interest in, or a compensation arrangement with, the testing laboratory, unless specific exceptions are met.</p> <p>Some states have similar laws that are not limited in applicability to only Medicare and Medicaid referrals and could also affect tests that are paid for by health plans and other non-governmental payers.</p> <p>Violations of these laws and regulations may result in monetary fines, criminal and civil penalties and/or suspension or exclusion from participation in Medicare, Medicaid and other federal or state healthcare programs.</p>

<p><i>FDA</i></p>	<p>The FDA has regulatory responsibility over, among other areas, instruments, software, test kits, reagents and other devices used by clinical laboratories to perform diagnostic testing in the United States. The FDA also regulates drugs-of-abuse testing for employers and insurers, testing for blood bank purposes and testing of donors of human cells for purposes such as in vitro fertilization.</p> <p>A number of advanced tests we develop internally are offered as LDTs. The FDA has claimed regulatory authority over all LDTs, but has stated that it exercised enforcement discretion with regard to most LDTs performed by high complexity CLIA-certified laboratories.</p> <p>Pursuant to the 21st Century Cures Act, the FDA issued final guidance regarding its position on the regulation of clinical decision software, which may be used in connection with LDTs. The guidance attempts to address uncertainty regarding whether FDA approval of certain software is required. It has been used by the FDA, in part, to assert authority over the annotation software aspects of pharmacogenetic testing services.</p> <p>Legislation introduced in Congress would enable the FDA to regulate LDTs, in vitro diagnostics, software and other items used in the diagnosis of disease. The FDA and the U. S. Department of Health and Human Services also have expressed views regarding the regulation of LDTs. Either new law or a revised approach to regulation of LDTs could have a significant impact on the clinical laboratory testing industry, including regulating LDTs in new ways, while creating avenues of opportunity and competition regarding clinical laboratory testing. New competitors may enter the industry, and competition may come in new forms.</p>
<p><i>Environmental, Health and Safety</i></p>	<p>We are subject to laws and regulations related to the protection of the environment, the health and safety of employees and the handling, transportation and disposal of medical specimens, infectious and hazardous waste and radioactive materials.</p> <p>For example, the U.S. Occupational Safety and Health Administration has established extensive requirements relating specifically to workplace safety for healthcare employers in the U.S. This includes requirements to develop and implement multi-faceted programs to protect workers from exposure to blood-borne pathogens, including preventing or minimizing any exposure through needle stick injuries.</p> <p>For purposes of transportation, some biological materials and laboratory supplies are classified as hazardous materials and are subject to regulation by one or more of the following agencies: the U.S. Department of Transportation, the U.S. Public Health Service, the U.S. Postal Service and the International Air Transport Association.</p>
<p><i>Physicians</i></p>	<p>Our pathologists are required to hold a valid license to practice medicine in the jurisdiction in which they practice.</p> <p>Several jurisdictions in which our businesses are located prohibit business corporations from engaging in the practice of medicine. In certain jurisdictions, business corporations are prohibited from employing licensed healthcare professionals to provide services on behalf of the corporation; these laws vary. In some jurisdictions, anatomic pathology services are delivered through physician-owned entities that employ the practicing pathologists. The manner in which licensed physicians can be organized to perform medical services may be governed by the laws of the jurisdictions in which medical services are provided and by the medical boards or other entities authorized by these jurisdictions to oversee the practice of medicine.</p>
<p><i>Privacy and Security of Health and Personal Information</i></p>	<p>We are subject to laws and regulations regarding protecting the security and privacy of certain healthcare and personal information, including: (a) the federal Health Insurance Portability and Accountability Act and the regulations thereunder, which establish (i) a complex regulatory framework including requirements for safeguarding protected health information and (ii) comprehensive federal standards regarding the uses and disclosures of protected health information; (b) state laws, including the California Consumer Privacy Act and similar laws in other states ; and (c) laws outside the U.S., including the European Union's General Data Protection Regulation.</p> <p>A healthcare provider may be subject to penalties for non-compliance and may be required to notify individuals or state, federal or county governments if the provider discovers certain breaches of personal information or protected health information.</p>



<i>Drug Testing; Controlled Substances</i>	<p>All U.S. laboratories that perform drug testing for certain public sector employees and employees of certain federally regulated businesses are required to be certified as meeting the detailed performance and quality standards of the Substance Abuse and Mental Health Services Administration.</p> <p>To obtain access to controlled substances used to perform drugs-of-abuse testing in the United States, laboratories must be licensed by the Drug Enforcement Administration.</p>
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**Compliance.** We strive to conduct our business in compliance with all applicable laws and regulations. We license and maintain appropriate accreditations for all of our laboratories and, where applicable, patient service centers, as required by federal and state agencies. We have a long-standing and well-established compliance program. The Quality and Compliance Committee of our Board of Directors oversees, and receives periodic management reports regarding, our compliance program. Our program includes detailed policies and procedures and training programs intended to ensure the implementation and observance of all applicable laws and regulations (including regarding billing and reimbursement, and privacy of protected health information and personally identifiable information) and Company policies. Further, we conduct in-depth reviews of procedures and facilities to assure regulatory compliance throughout our operations. We conduct annual training of our employees on these compliance policies and procedures.

As an integral part of our billing compliance program, we investigate reported or suspected failures to comply with federal and state healthcare reimbursement requirements. Any Medicare or Medicaid overpayments resulting from non-compliance are refunded by us. As a result of these efforts, we have periodically identified and reported overpayments, refunded the payers for overpayments and taken appropriate corrective action.

#### AVAILABLE INFORMATION

The Securities and Exchange Commission (the “SEC”) maintains an internet site, [www.sec.gov](http://www.sec.gov), that contains annual, quarterly and current reports, proxy and information statements and other information that issuers file electronically with the SEC. We file reports, proxy statements and other information with the SEC; they are publicly available at the SEC's internet site.

Our internet address is [www.QuestDiagnostics.com](http://www.QuestDiagnostics.com). The information on or accessible through our website is not part of and is not incorporated by reference into this Report. We make available free of charge, on or through our Investor Relations webpage ([www.QuestDiagnostics.com/investor](http://www.QuestDiagnostics.com/investor)), our proxy statements, Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and any amendments to those reports filed or furnished pursuant to the Securities Exchange Act of 1934, as amended (the “Exchange Act”), as soon as reasonably practical after such material is filed with, or furnished to, the SEC.

<a href="http://www.QuestDiagnostics.com/investor">www.QuestDiagnostics.com/investor</a> provides information about our corporate governance.	
<b>Information Available at Our Corporate Governance Webpage (Table 17)</b>	
<ul style="list-style-type: none"> <li>• Directors</li> <li>• Composition of the committees of our Board of Directors</li> <li>• Senior management</li> <li>• Charters for the committees of our Board of Directors</li> <li>• Information about our corporate political contributions</li> <li>• Statements of beneficial ownership of our equity securities filed by our directors, officers and others under Section 16 of the Exchange Act</li> </ul>	<ul style="list-style-type: none"> <li>• Corporate Governance Guidelines</li> <li>• Code of Ethics</li> <li>• Certificate of Incorporation</li> <li>• Bylaws</li> <li>• Values</li> </ul>

We also maintain a Corporate Responsibility webpage that provides information about our corporate responsibility program, including our focus on environmental, social and governance issues and our annual Corporate Responsibility Report.

www.QuestDiagnostics.com/our-company/corporate-responsibility provides information about our corporate responsibility program.	
Information Available at Our Corporate Responsibility Webpage (Table 18)	
<ul style="list-style-type: none"> <li>• Corporate Responsibility Reports</li> <li>• Information about our corporate political contributions</li> <li>• Environmental, social and governance resources</li> <li>• Governance, ethics and values</li> </ul>	<ul style="list-style-type: none"> <li>• Quest for Health Equity</li> <li>• Quest Diagnostics Foundation</li> <li>• Sustainability</li> <li>• Community giving</li> </ul>

**INFORMATION ABOUT OUR EXECUTIVE OFFICERS**

Executive Officers (Table 19)	
Name, Age, Title	Background
<p><i>Stephen H. Rusckowski (64) Chairman of the Board, Chief Executive Officer and President</i></p>	<p>Mr. Rusckowski joined the Company in May 2012 as Chief Executive Officer and President and became Chairman of the Board on January 1, 2017. From October 2006 until he joined the Company, he was Chief Executive Officer of Philips Healthcare, the largest unit of Royal Philips Electronics, and a member of the Board of Management of Royal Philips Electronics and its Executive Committee. Previously, he was CEO of the Imaging Systems business of Royal Phillips Electronics.</p> <p>On February 3, 2022, the Company announced that, as part of its ongoing leadership succession planning, effective November 1, 2022, Mr. Rusckowski would step down as Chief Executive Officer and President, and become Executive Chairman and continue to serve on the Company's Board of Directors through March 2023.</p> <p>Before joining Philips in 2001, Mr. Rusckowski held numerous management positions with the healthcare division of Hewlett-Packard/Agilent Technologies.</p> <p>Mr. Rusckowski has been a director of the Company since May 2012. He was a director of Xerox Corporation from February 2015 to 2018, and a director of Covidien plc from December 2013 to January 2015. Mr. Rusckowski served as Chairman of the American Clinical Laboratory Association from 2014 to 2017.</p>

<p><i>James E. Davis (59) Executive Vice President, General Diagnostics; Chief Executive Officer - Elect</i></p>	<p>In January 2017, he became Executive Vice President, General Diagnostics; previously Mr. Davis was Senior Vice President and Group Executive - Regional Businesses. In January 2015, he assumed responsibility for the general management of the Company's regional Diagnostic Information Services business. Mr. Davis was responsible for our products business from February 2014 until 2016. From February 2014 to January 2015, he was responsible for operations for the Company's Diagnostic Information Services business. Mr. Davis joined Quest Diagnostics in April 2013 as Senior Vice President, Diagnostics Solutions, with responsibility for the healthcare information technology, risk assessment, clinical trials, diagnostic products and employer solutions businesses.</p> <p>On February 3, 2022, the Company announced that Mr. Davis was appointed Chief Executive Officer - Elect, effective immediately, and that he would become Chief Executive Officer effective November 1, 2022.</p> <p>Prior to joining Quest Diagnostics, from March 2012 to April 2013, Mr. Davis served as Lead Director, and then as Chief Executive Officer, of InSightec, Inc., a medical device company that designs and develops ultrasound ablation devices that are guided by magnetic resonance imaging systems.</p> <p>Previously, Mr. Davis held a number of senior positions in General Electric's healthcare business, including from 2007 to 2012 as Vice President and General Manager of GE Healthcare's magnetic resonance imaging business. Prior to joining GE Healthcare, Mr. Davis held leadership positions in GE's aviation business and led the development of strategic and operational improvement initiatives for clients of McKinsey &amp; Company, Inc.</p>
<p><i>Catherine T. Doherty (59) Senior Vice President and Group Executive - Clinical Franchise Solutions and Marketing</i></p>	<p>Since January 2013, Ms. Doherty has been responsible for overseeing the development of clinical franchise solutions in the areas of general health and wellness, cardiovascular, metabolic and endocrinology, infectious disease and immunology, and prescription drug monitoring and toxicology, as well as enterprise-wide marketing. Ms. Doherty is also responsible for the employer solutions and risk assessment businesses, and since February 2020, our sports diagnostics franchise. Additionally, in October 2018, QuestDirect®, our consumer initiated testing platform was launched under her leadership. She also was responsible for clinical franchise solutions in the areas of neurology and women's health from January 2013 to January 2017 and for the healthcare information technology business from February 2014 to January 2017.</p> <p>Prior to January 2013, Ms. Doherty held a variety of positions of increasing responsibility since joining the Company in 1990, including Senior Vice President, Physician Services; Vice President, Hospital Services; Vice President, Office of the Chairman; Vice President, Finance and Administration for the Hospital business; Vice President, Communications and Investor Relations; and Chief Accounting Officer.</p>

<p><i>Carrie Eglinton Manner (47)</i> <i>Senior Vice President, Advanced Diagnostics</i></p>	<p>Ms. Eglinton Manner joined the Company in January 2017. She is responsible for the Company's advanced testing activities, including overseeing the development of clinical franchise solutions in the areas of neurology, oncology, pathology and women's health, as well as the Company's global business and pharmaceutical/diagnostic development services. Ms. Eglinton Manner has served as a director of Repligen Corporation since June 2020.</p> <p>Previously, Ms. Eglinton Manner spent over 20 years in various leadership roles in healthcare businesses at General Electric. From 2015 to 2016, she served as President and CEO of the Detection and Guidance Solutions business, delivering advanced x-ray technologies spanning the continuum of healthcare. From 2013 to 2015, Ms. Eglinton Manner served as President and CEO of OEC Surgical Mobile C-arm systems. She was President and CEO of General Electric's diagnostic pathology laboratory services business from 2012 to 2013, and President of the Maternal Infant Care Business from 2009 to 2012.</p>
<p><i>Mark J. Guinan (60)</i> <i>Executive Vice President and Chief Financial Officer</i></p>	<p>Mr. Guinan joined the Company in July 2013. From 2010 until joining Quest Diagnostics in 2013, he served as Chief Financial Officer for Hill-Rom Holdings Inc., a manufacturer and provider of medical technologies and related services for the healthcare industry. Mr. Guinan has served as a director of Myovant Sciences, Ltd. since July 2018.</p> <p>On February 3, 2022, the Company announced that Mr. Guinan would retire in 2022.</p> <p>Previously, he had served in a number of finance and operations roles in a long career at Johnson &amp; Johnson including 2009 to 2010 as Vice President, Chief Procurement Officer, and 2005 to 2009 as Vice President, Group Finance Pharmaceuticals. Before joining Johnson &amp; Johnson in 1997, he held a number of financial roles at Procter &amp; Gamble.</p>
<p><i>Michael E. Prevoznik (60)</i> <i>Senior Vice President and General Counsel</i></p>	<p>Mr. Prevoznik joined the Company as Vice President and General Counsel in August 1999. In 2003, he assumed responsibility for governmental affairs. From 1999 until April 2009, Mr. Prevoznik also had responsibility for the Company's Compliance Department.</p> <p>In addition, from April 2011 to January 2017, he had management responsibility for the Company's diagnostic information services activities outside the U.S., and from April 2011 to January 2013, he had management responsibility for the Company's clinical trials business.</p> <p>Prior to joining the Company, Mr. Prevoznik served in positions of increasing responsibility within the compliance organization at SmithKline Beecham, most recently as Vice President, Compliance, with responsibility for coordinating all SmithKline Beecham compliance activities worldwide.</p>

**Item 1A. Risk Factors**

You should carefully consider all of the information set forth in this Report, including the following risk factors, before deciding to invest in any of our securities. The risks below are not the only ones that we face. Additional risks not presently known to us, or that we presently deem immaterial, may also negatively impact us. Our business, consolidated financial condition, revenues, results of operations, profitability, reputation or cash flows, or the price of our common stock, could be materially impacted by any of these factors.

This Report also includes forward-looking statements that involve risks or uncertainties. Our results could differ materially from those anticipated in these forward-looking statements as a result of certain factors, including the risks we face described below and elsewhere. See “Cautionary Factors that May Affect Future Results” on page [42](#).

## RISKS RELATED TO OUR BUSINESS

### **The U.S. healthcare system is evolving and medical laboratory testing market fundamentals are changing, and our business could be adversely impacted if we fail to adapt.**

The U.S. healthcare system continues to evolve. Significant change is taking place in the healthcare system, including as discussed above under the heading The Clinical Testing Industry, beginning on page 15. For example, value-based reimbursement is increasing (e.g., UnitedHealthcare's Preferred Lab Network); CMS has set goals for value-based reimbursement to be achieved. Patients are encouraged to take increased interest in and responsibility for, and often are bearing increased responsibility for payment for, their healthcare. Healthcare industry participants are evolving and consolidating. Healthcare services increasingly are being provided by non-traditional providers (e.g., physician assistants), in non-traditional venues (e.g., retail medical clinics, urgent care centers) and using new technologies (e.g., telemedicine, digital pathology). Utilization of the healthcare system is being influenced by several factors and may result in a decline in the demand for diagnostic information services.

In addition, we believe that clinical testing market fundamentals are changing. We believe that PAMA-driven reimbursement pressure remains a catalyst for structural change in the market. We also believe that health plans and consumers increasingly are focusing on driving better value in laboratory testing services. We expect that the evolution of the healthcare industry will continue, and that industry change is likely to be extensive.

### **The clinical testing business is highly competitive, and if we fail to provide an appropriately priced level of service or otherwise fail to compete effectively it could have a material adverse effect on our revenues and profitability.**

The clinical testing business remains a fragmented and highly competitive industry. We primarily compete with three types of clinical testing providers: other commercial clinical laboratories, IDN-affiliated laboratories and physician-office laboratories. We also compete with other providers, including anatomic pathology practices, large physician group practices and providers of consumer-initiated testing. IDNs generally maintain on-site laboratories to perform testing on their patients (inpatient or outpatient). In addition, many IDNs compete with commercial clinical laboratories for outreach (non-IDN patients) testing. IDNs may seek to leverage their relationships with community clinicians and encourage the clinicians to send their outreach testing to the IDN's laboratory. As a result of this affiliation between IDNs and community clinicians, we compete against IDN-affiliated laboratories primarily based on quality and scope of service as well as pricing. In addition, IDNs that own physician practices may encourage or require the practices to refer testing to the IDN's laboratory. In recent years, there has been a trend of IDNs acquiring physician practices, increasing the percentage of physician practices owned by IDNs. Increased IDN ownership of physician practices may enhance clinician ties to IDN-affiliated laboratories and may strengthen their competitive position. The formation of ACOs and DCEs and their approach to contracts with healthcare providers also may increase competition to provide diagnostic information services. In addition, new players have recently started to provide clinical lab testing services (e.g., employers; government agencies).

The diagnostic information services industry also is faced with changing technology and new product introductions. Competitors may compete using advanced technology, including technology that enables more convenient or cost-effective testing. Digital pathology, still in an emerging state, is an example of this. Competitors also may compete on the basis of new service offerings. Competitors also may offer testing to be performed outside of a commercial clinical laboratory, such as (1) point-of-care testing that can be performed by physicians in their offices; (2) advanced testing that can be performed by IDNs in their own laboratories; and (3) home testing that can be carried out without requiring the services of outside providers.

### **Government payers, such as Medicare and Medicaid, have taken steps to reduce the utilization and reimbursement of healthcare services, including clinical testing services.**

We face efforts by government payers to reduce utilization of and reimbursement for diagnostic information services. One example of this is increased use of prior authorization requirements. We expect efforts to reduce reimbursements, to impose more stringent cost controls and to reduce utilization of clinical test services will continue.

Pursuant to PAMA, reimbursement rates for many clinical laboratory tests provided under Medicare were reduced from 2018 - 2020. PAMA calls for further revision of the Medicare Clinical Laboratory Fee Schedule for years after 2020, based on future surveys of market rates; reimbursement rate reduction from 2023-25 is capped by PAMA at 15% annually. PAMA's next data collection and reporting period have been delayed, most recently by federal legislation adopted in December 2021, which further delayed the reimbursement rate reductions and reporting requirements until January 1, 2023.

In addition, CMS has adopted policies limiting or excluding coverage for clinical tests that we perform. We also provide physician services that are reimbursed by Medicare under a physician fee schedule, which is subject to adjustment on an annual basis. Medicaid reimbursement varies by state and is subject to administrative and billing requirements and budget pressures.

In addition, over the last several years, the federal government has expanded its contracts with private health insurance plans for Medicare beneficiaries, called “Medicare Advantage” programs, and has encouraged such beneficiaries to switch from the traditional programs to the private programs. There has been growth of health insurance plans offering Medicare Advantage programs, and of beneficiary enrollment in these programs. States have mandated that Medicaid beneficiaries enroll in private managed care arrangements. In addition, state budget pressures have encouraged states to consider several courses of action that may impact our business, such as delaying payments, reducing reimbursement, restricting coverage eligibility, denying claims and service coverage restrictions.

Reimbursement for Medicare services also is subject to annual reduction under the Budget Control Act of 2011, the Statutory Pay-As-You-Go Act of 2010 and the Physician Fee Schedule.

From time to time, the federal government has considered whether competitive bidding could be used to provide clinical testing services for Medicare beneficiaries at attractive rates while maintaining quality and access to care. Congress periodically considers cost-saving initiatives. These initiatives have included coinsurance for clinical testing services, co-payments for clinical testing and further laboratory physician fee schedule reductions.

Other steps taken to reduce utilization and reimbursement include requirements to obtain diagnosis codes to obtain payment, increased documentation requirements, limiting the allowable number of tests or ordering frequency, expanded prior authorization programs and otherwise increasing payment denials.

Steps to reduce utilization and reimbursement also discourage innovation and access to innovative solutions that we may offer.

**Health plans and other third parties have taken steps to reduce the utilization and reimbursement of health services, including clinical testing services.**

We face efforts by non-governmental third-party payers, including health plans, to reduce utilization of and reimbursement for clinical testing services. Examples include increased use of prior authorization requirements and increased denial of coverage for services. There is increased market activity regarding alternative payment models, including bundled payment models. We expect continuing efforts by third-party payers, including in their rules, practices and policies, to reduce reimbursements, to impose more stringent cost controls and to reduce utilization of clinical testing services. ACOs, DCEs and IDNs also may undertake efforts to reduce utilization of, or reimbursement for, diagnostic information services.

The healthcare industry has experienced a trend of consolidation among health insurance plans, resulting in fewer but larger insurance plans with significant bargaining power to negotiate fee arrangements with healthcare providers, including clinical testing providers. The increased consolidation among health plans also has increased pricing transparency and their bargaining power and the potential adverse impact of ceasing to be a contracted provider with any such insurer. Health plans, and independent physician associations, may demand that clinical testing providers accept discounted fee structures or assume all or a portion of the financial risk associated with providing testing services to their members through capitated payment arrangements. Some health plans also are reviewing test coding, evaluating coverage decisions and requiring preauthorization of certain testing. There are also an increasing number of patients enrolling in consumer driven products and high deductible plans that involve greater patient cost-sharing.

Other steps taken to reduce utilization and reimbursement include requirements to obtain diagnosis codes to obtain payment, increased documentation requirements, limiting the allowable number of tests or ordering frequency, expanded prior authorization programs and otherwise increasing payment denials.

Steps to reduce utilization and reimbursement also discourage innovation and access to innovative solutions that we may offer.



**Failure to develop, or acquire licenses for, new tests, technology and services could negatively impact our testing volume and revenues.**

The diagnostic information services industry is faced with changing technology and new product introductions. Other companies or individuals, including our competitors, may obtain patents or other property rights that would prevent, limit or interfere with our ability to develop, perform or sell our solutions or operate our business or increase our costs. In addition, they could introduce new tests, technologies or services that may result in a decrease in the demand for our services or cause us to reduce the prices of our services. Our success in continuing to introduce new solutions, technology and services will depend, in part, on our ability to license new and improved technologies on favorable terms. We may be unable to develop or introduce new solutions or services. Other companies or individuals, including our competitors, may obtain patents or other property rights on tests or processes that we may be performing, that could prevent, limit or interfere with our ability to develop, perform or sell our tests or operate our business. We also may be unable to continue to negotiate acceptable licensing arrangements, and arrangements that we do conclude may not yield commercially successful clinical tests. If we are unable to license these testing methods at competitive rates, our research and development costs may increase as a result. In addition, if we are unable to develop and introduce, or license, new solutions, technology and services to expand our advanced testing capabilities, our services may become outdated when compared with our competition.

**Failure to establish, and perform to, appropriate quality standards, or to assure that the appropriate standard of quality is observed in the performance of our diagnostic information services, could adversely affect the results of our operations and adversely impact our reputation.**

The provision of diagnostic information services involves certain inherent risks. The services that we provide are intended to provide information in providing patient care. Therefore, users of our services may have a greater sensitivity to errors than the users of services or products that are intended for other purposes.

Negligence in performing our services can lead to injury or other adverse events. We may be sued under physician liability or other liability law for acts or omissions by our pathologists, laboratory personnel and IDN employees who are under the supervision of our IDN-based pathologists. We are subject to the attendant risk of substantial damages awards and risk to our reputation.

**RISKS RELATED TO CHANGE IN PUBLIC POLICY  
AND THE REGULATORY AND LEGAL ENVIRONMENT**

**We are subject to numerous legal and regulatory requirements governing our activities, and we may face substantial fines and penalties, and our business activities may be impacted, if we fail to comply.**

Our business is subject to or impacted by extensive and frequently changing laws and regulations in the United States (including at both the federal and state levels) and the other jurisdictions in which we engage in business. While we seek to conduct our business in compliance with all applicable laws, many of the laws and regulations applicable to us are vague or indefinite and have not been interpreted by the courts, including many of those relating to:

- billing and reimbursement of clinical testing;
- certification or licensure of clinical laboratories;
- the anti-self-referral and anti-kickback laws and regulations;
- the laws and regulations administered by the FDA;
- the corporate practice of medicine;
- operational, personnel and quality requirements intended to ensure that clinical testing services are accurate, reliable and timely;
- physician fee splitting;
- relationships with physicians and IDNs;
- safety and health of laboratory employees; and
- handling, transportation and disposal of medical specimens, infectious and hazardous waste and radioactive materials.

These laws and regulations may be interpreted or applied by a prosecutorial, regulatory or judicial authority in a manner that could require us to make changes in our operations, including our pricing and/or billing practices. We may not be able to maintain, renew or secure required permits, licenses or any other regulatory approvals needed to operate our business or commercialize our services. If we fail to comply with applicable laws and regulations, or if we fail to maintain, renew or obtain necessary permits, licenses and approvals, we could suffer civil and criminal penalties, fines, exclusion from participation in

governmental healthcare programs and the loss of various licenses, certificates and authorizations necessary to operate our business, as well as incur additional liabilities from third-party claims. If any of the foregoing were to occur, our reputation could be damaged and important business relationships with third parties could be adversely affected.

We regularly receive requests for information, and occasionally subpoenas, from governmental authorities. We also are subject from time to time to qui tam claims brought by former employees or other “whistleblowers.” The federal and state governments continue aggressive enforcement efforts against perceived healthcare fraud. Legislative provisions relating to healthcare fraud and abuse provide government enforcement personnel substantial funding, powers, penalties and remedies to pursue suspected cases of fraud and abuse. In addition, the government has substantial leverage in negotiating settlements since the amount of potential damages far exceeds the rates at which we are reimbursed for our services, and the government has the remedy of excluding a non-compliant provider from participation in the Medicare and Medicaid programs. Regardless of merit or eventual outcome, these types of investigations and related litigation can result in:

- diversion of management time and attention;
- expenditure of large amounts of cash on legal fees, costs and payment of damages;
- increases to our administrative, billing or other operating costs;
- limitations on our ability to continue some of our operations;
- enforcement actions, fines and penalties or the assertion of private litigation claims and damages;
- decreases to the amount of reimbursement related to diagnostic information services performed;
- adverse affects to important business relationships with third parties;
- decreased demand for our services; and/or
- injury to our reputation.

Changes in applicable laws and regulations may result in existing practices becoming more restricted, or subject our existing or proposed services to additional costs, delay, modification, withdrawal or reconsideration. Such changes also could require us to modify our business objectives.

**Our business could be adversely impacted by the FDA's approach to regulation.**

The FDA has regulatory responsibility over, among other areas, instruments, software, test kits, reagents and other devices used by clinical laboratories to perform diagnostic testing in the U.S. A number of tests we develop internally are offered as LDTs. The FDA has claimed regulatory authority over all LDTs, but has stated that it exercised enforcement discretion with regard to most LDTs performed by high complexity CLIA-certified laboratories.

As the FDA moves to regulate more clinical laboratory testing, its approach to regulation is impacting industry practices and participants, new competitors may enter the industry, and competition may come in new forms.

Legislation introduced in Congress would enable the FDA to regulate LDTs, in vitro diagnostics, software and other items used in the diagnosis of disease. The FDA and the U. S. Department of Health and Human Services also have expressed views regarding the regulation of LDTs. Either new law or a revised approach to regulation of LDTs could have a significant impact on the clinical laboratory testing industry, including regulating LDTs in new ways, while creating avenues of opportunity and competition regarding clinical laboratory testing. New competitors may enter the industry, and competition may come in new forms.

Pursuant to the 21st Century Cures Act, the FDA issued final guidance regarding its position on the regulation of clinical decision software, which may be used in connection with LDTs. The guidance attempts to clarify whether FDA approval of certain software is required. It has been used by the FDA, in part, to assert authority over the annotation software aspects of pharmacogenetic testing services.

**Failure to accurately bill for our services, or to comply with applicable laws relating to government healthcare programs, could have a material adverse effect on our business.**

Billing for diagnostic information services is complex and subject to extensive and non-uniform rules and administrative requirements. Depending on the billing arrangement and applicable law, we bill various payers, such as patients, insurance companies, Medicare, Medicaid, clinicians, IDNs and employer groups. The majority of billing and related operations for our Company are being provided by a third party under the Company's oversight. Failure to accurately bill for our services could have a material adverse effect on our business. In addition, failure to comply with applicable laws relating to billing government healthcare programs may result in various consequences, including: civil and criminal fines and penalties,



exclusion from participation in governmental healthcare programs and the loss of various licenses, certificates and authorizations necessary to operate our business, as well as incur additional liabilities from third-party claims, all of which could have a material adverse effect on our business. Certain violations of these laws may also provide the basis for a civil remedy under the federal False Claims Act, including fines and damages of up to three times the amount claimed. The qui tam provisions of the federal False Claims Act and similar provisions in certain state false claims acts allow private individuals to bring lawsuits against healthcare companies on behalf of government payers, private payers and/or patients alleging inappropriate billing practices.

Although we believe that we are in compliance, in all material respects, with applicable laws and regulations, there can be no assurance that a regulatory agency or tribunal would not reach a different conclusion. The federal or state government may bring claims based on our current practices, which we believe are lawful. The federal and state governments have substantial leverage in negotiating settlements since the amount of potential damages and fines far exceeds the rates at which we are reimbursed, and the government has the remedy of excluding a non-compliant provider from participation in the Medicare and Medicaid programs. We believe that federal and state governments continue aggressive enforcement efforts against perceived healthcare fraud. Legislative provisions relating to healthcare fraud and abuse provide government enforcement personnel with substantial funding, powers, penalties and remedies to pursue suspected cases of fraud and abuse.

**We are subject to numerous political, legal, operational and other risks as a result of our international operations which could impact our business in many ways.**

Our international operations increase our exposure to risks inherent in doing business in non-U.S. markets, which may vary by market and include: intellectual property legal protections and remedies; weak legal systems which may, among other things, affect our ability to enforce contractual rights; trade regulations and procedures and actions affecting approval, production, pricing, reimbursement and marketing of services; and challenges based on differing languages and cultures. International operations also require us to devote management resources to implement our controls and systems in new markets, and to comply with the U.S. Foreign Corrupt Practices Act and similar anti-corruption laws in non-U.S. jurisdictions.

**We may be unable to obtain, maintain or enforce our intellectual property rights and may be subject to intellectual property litigation that could adversely impact our business.**

We may be unable to obtain or maintain adequate patent or other proprietary rights for our solutions or services or to successfully enforce our proprietary rights. In addition, we may be subject to intellectual property litigation, and we may be found to infringe on the proprietary rights of others, which could force us to do one or more of the following:

- cease developing, performing or selling solutions or services that incorporate the challenged intellectual property;
- obtain and pay for licenses from the holder of the infringed intellectual property right;
- redesign or re-engineer our tests;
- change our business processes; or
- pay substantial damages, court costs and attorneys' fees, including potentially increased damages for any infringement held to be willful.

**Adverse results in material litigation could have an adverse financial impact and an adverse impact on our client base and reputation.**

We are involved in various legal proceedings arising in the ordinary course of business including, among other things, disputes as to intellectual property, professional liability and employee-related matters, as well as inquiries from governmental

agencies and Medicare or Medicaid carriers. Some proceedings against us involve claims that are substantial in amount and could divert management's attention from operations. These proceedings also may result in substantial monetary damages.

**U.S. Government rules and regulations concerning mandatory COVID-19 vaccination of U.S.-based employees of companies that work on or in support of federal government contracts, or other COVID-19 vaccine mandates, could have a material adverse impact on our business and consolidated results of operations.**

In September 2021, President Biden issued an executive order requiring all employers with U.S. Government contracts to ensure that their U.S.-based employees, contractors and subcontractors, that work on or in support of U.S. government contracts, are fully vaccinated against COVID-19 as required by the executive order. The executive order is being challenged in courts and is currently not in effect. However, other federal, state and local government vaccine mandates are in effect; some of these mandates have application to the Company (directly or indirectly), others do not have application to the Company. Further, additional vaccine and testing mandates have been and may in the future be announced by private parties (such as contract counterparties) and in other jurisdictions in which we operate; such mandates may conflict with each other. Requirements to mandate COVID-19 vaccination of all or significant portions of our workforce could result in labor disruptions, employee attrition, difficulty in satisfying future labor needs and sanctions or penalties.

### **RISKS RELATED TO OUR INDEBTEDNESS**

**Our outstanding debt may impair our financial and operating flexibility.**

As of December 31, 2021, we had approximately \$4.0 billion of debt outstanding. Other than credit facilities in the normal course of business, we do not have any off-balance sheet financing arrangements in place or available. Our debt agreements contain various restrictive covenants. These restrictions could limit our ability to use operating cash flow in other areas of our business because we must use a portion of these funds to make principal and interest payments on our debt. We have obtained ratings on our public debt from Standard and Poor's, Moody's Investor Services and Fitch Ratings. There can be no assurance that any rating so assigned will remain for any given period of time or that a rating will not be lowered or withdrawn entirely by a rating agency if in that rating agency's judgment future circumstances relating to the basis of the rating, such as adverse changes in our Company or our industry, so warrant. If such ratings are lowered, our borrowing costs could increase. Changes in our credit ratings, however, do not require repayment or acceleration of any of our debt.

Borrowings under our credit facilities may be made at interest rates that are based on the London Interbank Offered Rate ("LIBOR"), which is a widely used benchmark for establishing interest rates globally. As a result of concerns regarding the accuracy of the calculation of LIBOR, the United Kingdom's Financial Conduct Authority announced that it intends to no longer compel member banks to submit rates used to calculate LIBOR after December 31, 2021. These reforms may cause LIBOR to cease to exist as a reference rate. A committee established by the Federal Reserve Board announced a new index, based on overnight repurchase agreements collateralized by U.S. Treasury securities, as an alternative to LIBOR; other jurisdictions have proposed different alternatives. At this time, it is not possible to predict the replacement rate for U.S. dollar LIBOR (which is the LIBOR rate that we most frequently rely on), and the consequences to us cannot be predicted. While we expect to be able to transition all LIBOR-based instruments and contracts to an alternative reference rate upon the cessation of LIBOR, there is no guarantee that we will be able to do so. Changes in market interest rates may negatively influence our financing costs and the valuation of derivative instruments.

We or our subsidiaries may incur additional indebtedness in the future. Our ability to make principal and interest payments will depend on our ability to generate cash in the future. If we incur additional debt, a greater portion of our cash flows may be needed to satisfy our debt service obligations and if we do not generate sufficient cash to meet our debt service requirements, we may need to seek additional financing. In that case, it may be more difficult, or we may be unable, to obtain financing on terms that are acceptable to us. As a result, we would be more vulnerable to general adverse economic, industry and capital markets conditions as well as the other risks associated with indebtedness.

### **RISKS RELATED TO OUR OPERATIONS**

**The development of new technologies (including artificial intelligence technologies) may impact the healthcare industry, and the development of new, more cost-effective solutions that can be performed by our customers or by patients, and the continued internalization of testing by IDNs or clinicians, could negatively impact our testing volume and revenues.**

The diagnostic information services industry is faced with changing technology and new product introductions, including technology that enables more convenient or cost-effective testing. For example, digital pathology is an emerging

technology that may change the practice of pathology. Information technology that includes self-learning or "artificial intelligence" features is growing and may impact the healthcare industry.

Competitors also may offer testing to be performed outside of a commercial clinical laboratory, such as (1) point-of-care testing that can be performed by clinicians in their offices; (2) complex testing that can be performed by IDNs in their own laboratories; and (3) home testing that can be carried out without requiring the services of outside providers. Advances in technology also may lead to the need for less frequent testing. Further, diagnostic tests approved or cleared by the FDA for home use are automatically deemed to be "waived" tests under CLIA and may be performed by consumers in their homes; test kit manufacturers could seek to increase sales to patients of such test kits.

Some traditional customers for anatomic pathology services, including specialty physicians that generate biopsies through surgical procedures, such as dermatologists, gastroenterologists, urologists and oncologists, are consolidating, have added in-office histology labs or have retained pathologists to read cases on site. IDNs also are internalizing clinical laboratory testing, including some non-routine and advanced testing. Internalization of testing may reduce demand for services previously referred to outside service providers, such as the Company.

**Hardware and software failures or delays in our information technology systems, including failures resulting from our systems conversions or otherwise, could disrupt our operations and cause the loss of confidential information, customers and business opportunities or otherwise adversely impact our business.**

IT systems are used extensively in virtually all aspects of our business, including clinical testing, test reporting, billing, customer service, logistics and management of medical data. Our success depends, in part, on the continued and uninterrupted performance of our IT systems. A failure or delay in our IT systems could impede our ability to serve our customers and patients and protect their confidential data. Despite redundancy and backup measures and precautions that we have implemented, our IT systems may be vulnerable to damage, disruptions and shutdown from a variety of sources, including telecommunications or network failures, system conversion or standardization initiatives, human acts and natural disasters. These issues can also arise as a result of failures by third parties with whom we do business and over which we have limited control. Any disruption or failure of our IT systems could have a material impact on our ability to serve our customers and patients, including negatively affecting our reputation in the marketplace.

**Our business could be negatively affected if we are unable to continue to strengthen our efficiency.**

It is important that we continue to strengthen our efficiency to promote our competitive position and to enable us to mitigate the impact on our profitability of steps taken by government payers and health insurers to reduce the utilization and reimbursement of healthcare services, including diagnostic information services.

**Our business operations and reputation may be materially impaired if we do not comply with privacy laws or information security policies.**

In our business, we collect, generate, process or maintain sensitive information, such as patient data and other personal information. If we do use or not adequately safeguard that information in compliance with applicable requirements under federal, state and international laws, or if it were disclosed to persons or entities that should not have access to it, our business could be materially impaired, our reputation could suffer and we could be subject to fines, penalties and litigation. In the event of a data security breach, we may be subject to notification obligations, litigation and governmental investigation or sanctions, and may suffer reputational damage, which could have an adverse impact on our business.

We are subject to laws and regulations regarding protecting the security and privacy of certain healthcare and personal information, including: (a) the federal Health Insurance Portability and Accountability Act and the regulations thereunder, which establish (i) a complex regulatory framework including requirements for safeguarding protected health information and (ii) comprehensive federal standards regarding the uses and disclosures of protected health information; (b) state laws, including the California Consumer Privacy Act and similar laws in other states; and (c) laws outside the U.S., including the European Union's General Data Protection Regulation.

**The IT systems that we rely on may be subject to unauthorized tampering, cyberattack or other security breach.**

Our IT systems have been and are subject to potential cyberattacks, tampering or other security breaches. These attacks, if successful, could result in shutdowns or significant disruptions of our IT systems and/or in unauthorized persons exfiltrating and misappropriating intellectual property and other confidential information, including patient and employee data that we collect, transmit and store on and through our IT systems.

External actors may develop and deploy viruses, other malicious software programs, ransomware attacks, distributed denial of service attacks or other attempts to harm or obtain unauthorized access to our systems. External actors may also deploy programs targeting our employees which are designed to attack our IT systems or otherwise exploit security vulnerabilities through programs such as electronic spamming, phishing, smishing, spear phishing or similar tactics. As a result of the difficulty in detecting many of these attacks, intrusions and breaches, failures or losses may be repeated or compounded before they are discovered or rectified, which could further increase these costs and consequences.

Although the Company has robust security measures implemented, which are monitored and routinely tested both by internal resources and external parties, cyber threats against us continue to evolve and may not be recognized until after an incident. In August 2021, ReproSource, our subsidiary, experienced a data security incident in which an unauthorized party may have accessed or acquired protected health information and personally identifiable information of ReproSource patients (in connection with the incident, ReproSource discovered and contained ransomware). The Company's other systems were not impacted or compromised by this incident. Although the attacks we have experienced have not materially disrupted, interrupted, damaged or shutdown the Company's IT systems, or materially disrupted the Company's performance of its business, the mitigation or remediation efforts that we have undertaken, and may undertake in the future, require the attention of management and expenditures of resources, which can be significant. There can be no assurance that the Company can anticipate all evolving future attacks, viruses or intrusions, implement adequate preventative measures, or remediate any security vulnerabilities. If our IT systems are successfully attacked, it could result in major disruption of our business, compromise confidential information, and result in litigation and potential liability for the Company, government investigation, significant damage to our reputation or otherwise adversely affect our business.

In addition, third parties to whom we outsource certain of our services or functions, or with whom we interface, store or process confidential patient and employee data or other confidential information, as well as those third parties' providers, are also subject to the risks outlined above. For example, in June 2019, the Company reported that Retrieval-Masters Creditors Bureau, Inc./American Medical Collection Agency ("AMCA"), informed the Company about a data security incident involving AMCA. AMCA, which provided debt collection services for a company that provides revenue management services to the Company, informed the Company in May 2019 that AMCA had learned that an unauthorized user had access to AMCA's system during 2018 and 2019. AMCA's affected system included financial, medical and other personal information. The Company's systems or databases were not involved in this incident. A breach or attack affecting third parties with whom we engage could also harm our business, results of operations and reputation and subject us to liability.

We have taken, and continue to take, precautionary measures to reduce the risk of, and detect and respond to, future cyber threats, and prevent or minimize vulnerabilities in our IT systems, including the loss or theft of intellectual property, patient and employee data or other confidential information that we obtain and store on our systems. We also have taken, and will continue to take, measures to assess the cybersecurity protections used by third parties to whom we outsource certain of our services or functions, or with whom we interface, store or process confidential patient and employee data or other confidential information. In addition, we collaborate with government agencies regarding potential cyber threats and have worked with firms that have cyber security expertise to evaluate our systems and the attacks we experience and strengthen our systems. There can be no assurances that our precautionary measures or measures used by our third party providers will prevent, contain or successfully defend against cyber or information security threats that could have a significant impact on our business, results of operations and reputation and subject us to liability.

**Our ability to attract and retain qualified employees is critical to the success of our business and the failure to do so may materially adversely affect our performance.**

The supply of qualified technical, managerial and other personnel, including phlebotomists and processors, is currently constrained; competition for qualified employees, even across different industries, is intense, including as individuals leave the job market. We may lose, or fail to attract and retain, key management personnel, or qualified skilled technical, professional or other employees.

**Business development activities are inherently risky and integrating our operations with businesses we acquire may be difficult.**

We plan selectively to enhance our business from time to time through business development activities, such as acquisitions, licensing arrangements, investments and alliances. However, these plans are subject to the availability of appropriate opportunities and competition from other companies seeking similar opportunities. Moreover, the success of any such effort may be affected by a number of factors, including our ability to properly assess and value the potential business opportunity, and to integrate it into our business. The success of our strategic alliances depends not only on our contributions and capabilities, but also on the property, resources, efforts and skills contributed by our strategic partners. Further, disputes may arise with strategic partners, due to conflicting priorities or conflicts of interests.

Acquisitions are not all the same (*e.g.*, asset acquisitions differ from acquisitions of equity interests); different acquisitions offer different risks. Acquisitions may involve the integration of a separate company that has different systems, processes, policies and cultures. Integration of acquisitions involves a number of risks including the diversion of management's attention to the assimilation of the operations of assets or businesses we have acquired, difficulties in the integration of operations and systems and the realization of potential operating synergies, the assimilation and retention of the personnel of the acquired businesses, challenges in retaining the customers of the combined businesses, and potential adverse effects on operating results. The process of combining acquisitions may be disruptive to our businesses and may cause an interruption of, or a loss of momentum in, such businesses as a result of the following difficulties, among others:

- loss of key customers or employees;
- difficulty in standardizing information and other systems;
- difficulty in consolidating facilities and infrastructure;
- failure to maintain the quality or timeliness of services that our Company has historically provided;
- diversion of management's attention from the day-to-day business of our Company as a result of the need to deal with the foregoing disruptions and difficulties; and
- the added costs of dealing with such disruptions.

If we are unable successfully to integrate strategic acquisitions in a timely manner, our business and our growth strategies could be negatively affected. Even if we are able to successfully complete the integration of the operations of other assets or businesses we may acquire in the future, we may not be able to realize all or any of the benefits that we expect to result from such integration, either in monetary terms or in a timely manner.

**Our operations may be adversely impacted by the effects of natural disasters such as hurricanes and earthquakes, public health emergencies and health pandemics, hostilities or acts of terrorism and other criminal activities.**

We operate facilities across the United States, and consumers frequently visit our facilities in person. The ability of our employees and consumers to access our facilities may be adversely impacted by the effects of extreme weather events and natural disasters, such as hurricanes, earthquakes, tropical storms, floods, fires, earthquakes or other extreme weather conditions, including major winter storms, droughts and heat waves, whether as a result of climate change or otherwise; public health emergencies and health pandemics; hostilities or acts of terrorism or other activities. Although we maintain a business continuity program to prepare for and respond to such events, because of their unpredictable nature, these events may limit or interrupt our ability to conduct operations. Additionally, such events may interrupt our ability to transport specimens, to receive materials from our suppliers or otherwise to provide our services. These events also may result in a decline in the number of patients who seek clinical testing services or in our employees' ability to perform their job duties.

**The COVID-19 pandemic has significantly affected our consolidated results of operations, financial position and cash flows, and may continue to do so.**

A pandemic caused by a novel strain of coronavirus (COVID-19) continues to severely impact the economy of the United States and other countries around the world. Federal, state and local governmental authorities in the United States have implemented numerous policies and initiatives to try and reduce the transmission of COVID-19, such as travel bans and restrictions, quarantines, shelter-in-place orders, business shutdowns, and vaccination and masking mandates. These policies and initiatives have resulted in, among other things, a significant reduction in physician office visits, the cancellation of elective medical procedures, customers closing or severely curtailing their operations (voluntarily or in response to government orders), increased unemployment, constrained labor supply and loss of healthcare insurance, and the adoption of work-from-home policies, all of which have had, and we believe will continue to have, an impact on our consolidated results of operations, financial position and cash flows.



Due to the COVID-19 pandemic, we have experienced significant volatility, including periods of material decline compared to prior year periods, in testing volume in our base business (which excludes COVID-19 molecular and antibody testing) and this volatility, including periods of material decline, could continue. Although we also have experienced heavy demand for COVID-19 molecular testing as a result of the COVID-19 pandemic, which has had a positive impact on our overall testing volume, the duration and level of the demand for, and reimbursement for, COVID-19 molecular testing is uncertain.

We may also experience an adverse impact on cash collections and labor supply and supply chain disruptions, including shortages, delays and price increases in testing equipment and supplies, as a result of the impact of the COVID-19 pandemic. A number of suppliers and manufacturers we rely upon have been experiencing and may continue to experience disruptions and delays, as a result of ongoing raw material and labor shortages, supply challenges, and business limitations or shutdowns resulting from the COVID-19 pandemic, which may prevent us from obtaining equipment and supplies in a timely manner or at a reasonable price. The COVID-19 pandemic has also caused significant disruptions in transport and logistics services as a result of facility closures, labor shortages or other challenges, which may affect our ability to transport specimens, receive supplies or materials from our suppliers or otherwise provide our services. These conditions may continue or deteriorate in the future. Any of these events could have an adverse impact on our business, consolidated results of operation, financial position and cash flows.

We believe the COVID-19 pandemic's adverse impact on our consolidated results of operations, financial position and cash flows will be primarily driven by: the severity and duration of the COVID-19 pandemic (including any variants); the COVID-19 pandemic's impact on the U.S. healthcare system and the U.S. economy; the timing, scope and effectiveness of federal, state and local governmental responses; and effective and comprehensive COVID-19 vaccination across the U.S. These primary drivers are beyond our knowledge and control and will change over time, and as a result, at this time we cannot reasonably estimate the adverse impact the COVID-19 pandemic will have on our businesses, consolidated results of operations, financial position and cash flows, and the adverse impact may be material.

Our business also may be impacted by changes in the severity of the COVID-19 pandemic at different times in the various cities and regions where we operate and offer services, and by challenges faced in implementing nationwide COVID-19 vaccinations, including the degree to which the public is vaccinated and the effectiveness of vaccines at preventing infection or illness in connection with new or existing variants of COVID-19. Even after the COVID-19 pandemic has moderated and business conditions have eased, we may continue to experience similar adverse effects to our businesses, consolidated results of operations, financial position and cash flows arising from long-term changes in behavior by consumers or other healthcare system participants and resulting from a recessionary economic environment that may persist. The impact that the COVID-19 pandemic will have on our businesses, consolidated results of operations, financial position and cash flows could exacerbate other risks identified in this Report.

### **CAUTIONARY FACTORS THAT MAY AFFECT FUTURE RESULTS**

Some statements and disclosures in this document are forward-looking statements. Forward-looking statements include all statements that do not relate solely to historical or current facts and can be identified by the use of words such as "may," "believe," "will," "expect," "project," "estimate," "anticipate," "plan" or "continue." These forward-looking statements are based on our current plans and expectations and are subject to a number of risks and uncertainties that could cause our plans and expectations, including actual results, to differ materially from the forward-looking statements. Investors are cautioned not to unduly rely on such forward-looking statements when evaluating the information presented in this document. The following important factors could cause our actual financial results to differ materially from those projected, forecasted or estimated by us in forward-looking statements:

- (a) Heightened competition from commercial clinical testing companies, IDNs, physicians and others.
- (b) Increased pricing pressure from customers, including payers and patients.
- (c) A decline in economic conditions.
- (d) Impact of changes in payment mix, including increased patient financial responsibility and any shift from fee-for-service to discounted, capitated or bundled fee arrangements.
- (e) Adverse actions by government or other third-party payers, including healthcare reform that focuses on reducing healthcare costs but does not recognize the value and importance to healthcare of clinical testing or innovative solutions, unilateral reduction of fee schedules payable to us, unilateral recoupment of amounts allegedly owed and competitive bidding.
- (f) The impact upon our testing volume and collected revenue or general or administrative expenses resulting from compliance with policies and requirements imposed by Medicare, Medicaid and other third-party payers. These include:



- (1) the requirements of government and other payers to provide diagnosis codes and other information for many tests;
- (2) inability to obtain from patients a valid advance consent form for tests that cannot be billed without prior receipt of the form;
- (3) the impact of additional or expanded limited coverage policies and limits on the allowable number of test units or ordering frequency of same; and
- (4) the impact of increased prior authorization programs.
- (g) Adverse results from pending or future government investigations, lawsuits or private actions. These include, in particular, monetary damages, loss or suspension of licenses, and/or suspension or exclusion from the Medicare and Medicaid programs and/or criminal penalties.
- (h) Failure to efficiently integrate acquired businesses and to manage the costs related to any such integration, or to retain key technical, professional or management personnel.
- (i) Denial, suspension or revocation of CLIA certification or other licenses for any of our clinical laboratories under the CLIA standards, revocation or suspension of the right to bill the Medicare and Medicaid programs or other adverse regulatory actions by federal, state and local agencies.
- (j) Changes in and complexity of federal, state or local laws or regulations, including changes that result in new or increased federal or state regulation of commercial clinical laboratories, tests developed by commercial clinical laboratories or other products or services that we offer or activities in which we are engaged, including regulation by the FDA.
- (k) Inability to achieve expected benefits from our acquisitions of other businesses.
- (l) Inability to achieve additional benefits from our business performance tools and efficiency initiatives.
- (m) Adverse publicity and news coverage about the diagnostic information services industry or us.
- (n) Failure of the Company to maintain, defend and secure its financial, accounting, technology, customer data and other operational systems from cyberattacks, IT system outages, telecommunications failures, malicious human acts and failure of the systems of third parties upon which the Company relies.
- (o) Development of technologies that substantially alter the practice of clinical testing, including technology changes that lead to the development of more convenient or cost-effective testing, or testing to be performed outside of a commercial clinical laboratory, such as (1) point-of-care testing that can be performed by physicians in their offices, (2) advanced testing that can be performed by IDNs in their own laboratories or (3) home testing that can be carried out without requiring the services of clinical laboratories.
- (p) Negative developments regarding intellectual property and other property rights that could prevent, limit or interfere with our ability to develop, perform or sell our tests or operate our business. These include:
  - (1) issuance of patents or other property rights to our competitors or others; and
  - (2) inability to obtain or maintain adequate patent or other proprietary rights for our products and services or to successfully enforce our proprietary rights.
- (q) Development of tests by our competitors or others which we may not be able to license, or usage (or theft) of our technology or similar technologies or our trade secrets or other intellectual property by competitors, any of which could negatively affect our competitive position.
- (r) Regulatory delay or inability to commercialize newly developed or licensed tests or technologies or to obtain appropriate reimbursements for such tests.
- (s) The complexity of billing and revenue recognition for clinical laboratory testing.
- (t) Increases in interest rates and negative changes in our credit ratings from Standard & Poor's, Moody's Investor Services or Fitch Ratings causing an unfavorable impact on our cost of or access to capital.
- (u) Inability to hire or retain qualified employees, including key senior management personnel.
- (v) Terrorist and other criminal activities, hurricanes, earthquakes or other natural disasters, and public health emergencies and health pandemics, which could affect our customers or suppliers, transportation or systems, or our facilities, and for which insurance may not adequately reimburse us.
- (w) Difficulties and uncertainties in the discovery, development, regulatory environment and/or marketing of new services or solutions or new uses of existing tests.
- (x) Failure to adapt to changes in the healthcare system (including the medical laboratory testing market) and healthcare delivery, including those stemming from PAMA, trends in utilization of the healthcare system and increased patient financial responsibility for services.
- (y) Results and consequences of governmental inquiries.
- (z) Difficulty in implementing, or lack of success with, our strategic plan.
- (aa) The impact of healthcare data analysis on our industry and the ability of our Company to adapt to that impact.
- (bb) Failure to adequately operationalize appropriate controls around use of our data, including risk of non-compliance with privacy law requirements.
- (cc) The COVID-19 pandemic.

**Item 1B. Unresolved Staff Comments**

There are no unresolved SEC comments that require disclosure.

**Item 2. Properties**

Our executive offices are located at 500 Plaza Drive, Secaucus, New Jersey. We maintain clinical testing laboratories throughout the continental United States; in several instances a joint venture of which we are a partner maintains the laboratory. We also maintain offices, data centers, call centers, distribution centers and patient service centers at locations throughout the United States. In addition, we maintain offices, patient service centers and clinical laboratories in locations outside the United States, including in Finland, Puerto Rico and Mexico. Our properties that are not owned are leased on terms and for durations that are reflective of commercial standards in the communities where these properties are located. We believe that, in general, our facilities are suitable and adequate for our current and anticipated future levels of operation and are adequately maintained. We believe that if we were unable to renew a lease on any of our facilities, we could find alternative space at competitive market rates and relocate our operations to such new location without material disruption to our business. Several of our principal facilities are highlighted below.

<b><u>Location</u></b>	<b><u>Leased or Owned</u></b>
3600 Northgate Blvd., Sacramento, California 95834 (laboratory) .....	Leased
8401 Fallbrook Avenue, West Hills, California 91304 (laboratory) .....	Leased
33608 Ortega Hwy., San Juan Capistrano, California 92675 (laboratory) .....	Owned
4151C East Fowler Avenue, Tampa, Florida 33617 (laboratory) .....	Owned
1777 Montreal Circle, Tucker, Georgia 30084-6802 (laboratory) .....	Owned
506 E State Parkway, Schaumburg, Illinois 60173 (laboratory) .....	Owned
1355 Mittle Blvd., Wood Dale, Illinois 60191 (laboratory) .....	Leased
200 Forest Street, Marlborough, Massachusetts 01752 (laboratories) .....	Leased
800 Business Center Drive, Horsham, Pennsylvania 19044 (laboratory) .....	Leased
4770 Regent Blvd., Irving, Texas 75063 (laboratory) .....	Leased
14225 Newbrook Drive, Chantilly, Virginia 22021 (laboratory) .....	Leased
10101 Renner Blvd., Lenexa, Kansas 66219 (laboratory) .....	Owned
4380 Federal Drive, Greensboro, North Carolina 27410 (laboratory) .....	Leased
2501 South State Hwy 121, Lewisville, Texas 75067 (laboratory) .....	Leased
6700 Euclid Avenue, Cleveland, Ohio 44103 (laboratory) .....	Leased
One Insights Drive, Clifton, NJ 07012 (laboratory) .....	Owned

**Item 3. Legal Proceedings**

See Note 18 to the Consolidated Financial Statements (Part II, Item 8 of this Report) for information regarding legal proceedings in which we are involved.

**Item 4. Mine Safety Disclosures**

Not applicable.

**PART II**

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

Our common stock is listed and traded on the New York Stock Exchange under the symbol "DGX." As of February 1, 2022, we had approximately 2,500 record holders of our common stock; we believe that the number of beneficial holders of our common stock exceeds the number of record holders.

The table below sets forth the information with respect to purchases made by or on behalf of the Company of its common stock during the fourth quarter of 2021.

**ISSUER PURCHASES OF EQUITY SECURITIES**

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (in thousands)
October 1, 2021 – October 31, 2021				
Share Repurchase Program (A)	—	\$ —	—	\$ 1,306,502
Employee Transactions (B)	—	\$ —	N/A	N/A
November 1, 2021 – November 30, 2021				
Share Repurchase Program (A)	1,946,598	\$ 178.26	1,946,598	\$ 959,502 (C)
Employee Transactions (B)	461	\$ 148.57	N/A	N/A
December 1, 2021 – December 31, 2021				
Share Repurchase Program (A)	1,609,900	\$ 163.73	1,609,900	\$ 695,906
Employee Transactions (B)	—	\$ —	N/A	N/A
<b>Total</b>				
Share Repurchase Program (A)	3,556,498	\$ 171.68	3,556,498	\$ 695,906 (C)
Employee Transactions (B)	461	\$ 148.57	N/A	N/A

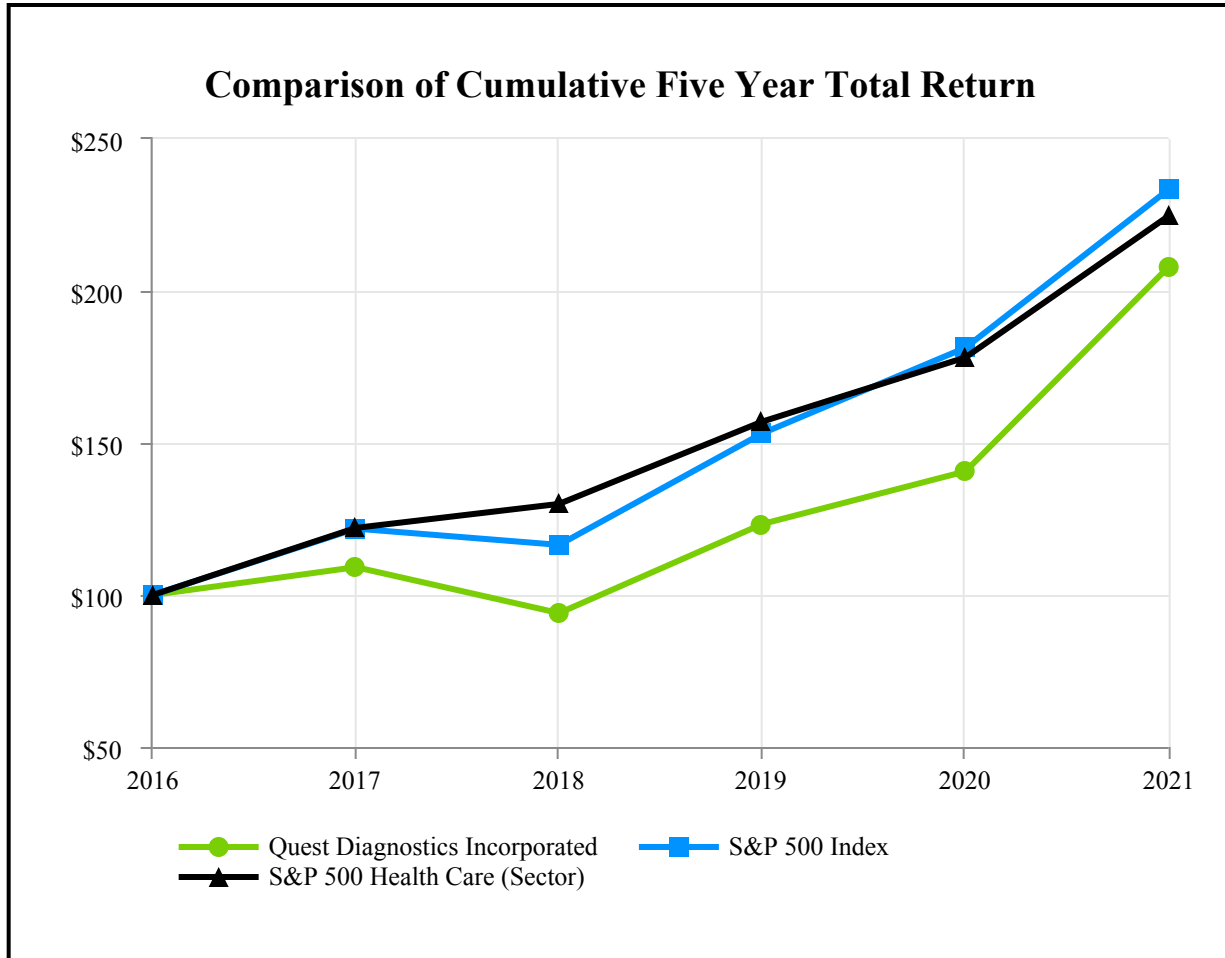
(A) In each of February 2021 and March 2021, our Board of Directors increased the size of our share repurchase program by \$1 billion. Since the share repurchase program's inception in May 2003, our Board of Directors has authorized \$11 billion of share repurchases of our common stock through December 31, 2021. The share repurchase authority has no set expiration or termination date. In February 2022, our Board of Directors authorized the Company to repurchase an additional \$1 billion of our common stock, which is in addition to the \$0.7 billion that was available as of December 31, 2021 under our share repurchase program.

(B) Includes: (1) shares delivered or attested to in satisfaction of the exercise price and/or tax withholding obligations by holders of stock options (granted under the Company's Amended and Restated Employee Long-Term Incentive Plan) who exercised options; and (2) shares withheld (under the terms of grants under the Amended and Restated Employee Long-Term Incentive Plan) to offset tax withholding obligations that occur upon the delivery of outstanding common shares underlying restricted share units and performance share units.

(C) Includes the reclassification of \$300 million from additional paid-in capital to treasury stock and the final delivery of 1,640,193 shares associated with the completion of the April 2021 accelerated share repurchase agreements ("ASRs"). See Note 16 to the audited consolidated financial statements for further information regarding the ASRs.

**Performance Graph**

Set forth below is a line graph comparing the cumulative total shareholder return on Quest Diagnostics' common stock since December 31, 2016 based on the market price of the Company's common stock and assuming reinvestment of dividends, with the cumulative total shareholder return of companies on the Standard & Poor's (S&P) 500 Stock Index and the S&P 500 Health Care (Sector) Index.



Date	Total Shareholder Return				Performance Graph Values		
	Closing DGX Price	DGX	S&P 500	S&P 500 Health Care (Sector)	DGX	S&P 500	S&P 500 Health Care (Sector)
12/31/2017	\$ 98.49	9.16 %	21.83 %	22.08 %	\$ 109.16	\$ 121.83	\$ 122.08
12/31/2018	\$ 83.27	(13.84)%	(4.38)%	6.47 %	\$ 94.05	\$ 116.49	\$ 129.97
12/30/2019	\$ 106.79	31.15 %	31.49 %	20.82 %	\$ 123.34	\$ 153.17	\$ 157.04
12/29/2020	\$ 119.17	14.04 %	18.40 %	13.45 %	\$ 140.66	\$ 181.35	\$ 178.15
12/31/2021	\$ 173.01	47.86 %	28.71 %	26.13 %	\$ 207.97	\$ 233.41	\$ 224.71

**Item 6 [Reserved]**

**Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations**

See page [57](#).

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

See Management's Discussion and Analysis of Financial Condition and Results of Operations.

**Item 8. Financial Statements and Supplementary Data**

See Item 15(a)1 and Item 15(a)2.

**Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure**

None.

**Item 9A. Controls and Procedures**

**Conclusion Regarding Effectiveness of Disclosure Controls and Procedures**

Under the supervision and with the participation of our management, including our Chief Executive Officer and our Chief Financial Officer, we have evaluated the effectiveness of our disclosure controls and procedures (as defined under Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended). Based upon that evaluation, our Chief Executive Officer and our Chief Financial Officer concluded that our disclosure controls and procedures were effective as of the end of the period covered by this annual report.

**Report of Management on Internal Control Over Financial Reporting**

See page [75](#).

**Changes in Internal Control**

During the fourth quarter of 2021, there were no changes in our internal control over financial reporting (as defined in Rule 13a-15(f) under the Securities Exchange Act of 1934, as amended) that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

**Item 9B. Other Information**

On February 24, 2022, the Company's Board of Directors increased the Company's share repurchase authorization by \$1 billion. The increased authority is an addition to the \$0.7 billion that was available as of December 31, 2021 under the Company's share repurchase program.

**Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections**

Not applicable.

## PART III

### **Item 10. Directors, Executive Officers and Corporate Governance**

Our Code of Ethics applies to all employees, executive officers and directors, including our Chief Executive Officer, Chief Financial Officer and Corporate Controller. You can find our Code of Ethics on our corporate governance website, [www.QuestDiagnostics.com/investor](http://www.QuestDiagnostics.com/investor). We will post any amendments to the Code of Ethics, and any waivers that are required to be disclosed by the rules of either the SEC or the New York Stock Exchange, on our website.

Information regarding the Company's executive officers is contained in Part I, Item 1 of this Report under "Information about our Executive Officers." Information regarding the directors and executive officers of the Company appearing in our Proxy Statement to be filed by April 30, 2022 ("Proxy Statement") under the captions "Proposal No. 1 - Election of Directors," "Director Independence," "Board Committees" and "Delinquent Section 16(a) Reports" is incorporated by reference herein.

### **Item 11. Executive Compensation**

Information appearing in our Proxy Statement under the captions "2021 Director Compensation Table," "Compensation Discussion and Analysis," "Information Regarding Executive Compensation" and "Compensation Committee Report" is incorporated by reference herein.

### **Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholders' Matters**

Information regarding security ownership of certain beneficial owners and management appearing in our Proxy Statement under the captions "Stock Ownership Information" and "Equity Compensation Plan Information" is incorporated by reference herein.

### **Item 13. Certain Relationships and Related Transactions, and Director Independence**

Information regarding certain relationships and related transactions appearing in our Proxy Statement under the captions "Related Person Transactions" and "Director Independence" is incorporated by reference herein.

### **Item 14. Principal Accounting Fees and Services**

Information regarding principal accountant fees and services appearing in our Proxy Statement under the caption "Audit" (excluding the information under the subheading "Audit and Finance Committee Report") is incorporated by reference herein.



**PART IV**

**Item 15. Exhibits, Financial Statement Schedules**

(a) Documents filed as part of this Report.

1. Index to financial statements and supplementary data filed as part of this Report.

<b>Item</b>	<b>Page</b>
<b>Financial Statements</b>	
<a href="#">Report of Independent Registered Public Accounting Firm (PCAOB ID 238)</a> .....	<a href="#">F- 1</a>
<a href="#">Consolidated Balance Sheets</a> .....	<a href="#">F- 3</a>
<a href="#">Consolidated Statements of Operations</a> .....	<a href="#">F- 4</a>
<a href="#">Consolidated Statements of Comprehensive Income</a> .....	<a href="#">F- 5</a>
<a href="#">Consolidated Statements of Cash Flows</a> .....	<a href="#">F- 6</a>
<a href="#">Consolidated Statements of Stockholders' Equity</a> .....	<a href="#">F- 7</a>
<a href="#">Notes to Consolidated Financial Statements</a> .....	<a href="#">F- 8</a>

2. Financial Statement Schedule.

<b>Item</b>	<b>Page</b>
<a href="#">Schedule II - Valuation Accounts and Reserves</a> .....	<a href="#">F- 44</a>

3. Exhibits

<b>Exhibit Number</b>	<b>Description</b>
3.1	<a href="#">Restated Certificate of Incorporation (filed as an Exhibit to the Company's current report on Form 10-Q for the quarter ended September 30, 2018 (Date of Report: October 24, 2018) and incorporated herein by reference) (Commission File Number 001-12215)</a>
3.2	<a href="#">Amended and Restated By-Laws of the Company (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: May 17, 2019) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.1	<a href="#">Form of 6.95% Senior Note due 2037 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: June 19, 2007) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.2	<a href="#">Form of 5.750% Senior Note due 2040 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: November 17, 2009) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.3	<a href="#">Form of 4.250% Senior Note due 2024 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: March 12, 2014) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.4	<a href="#">Form of 3.500% Senior Note due 2025 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: March 5, 2015) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.5	<a href="#">Form of 4.700% Senior Note due 2045 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: March 5, 2015) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.6	<a href="#">Form of 3.450% Senior Note due 2026 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: May 23, 2016) and incorporated herein by reference) (Commission File Number 001-12215)</a>
4.7	<a href="#">Form of 4.200% Senior Note due 2029 (filed as an Exhibit to the Company's current report on Form 8-K (Date of Report: March 7, 2019) and incorporated herein by reference) (Commission File Number 001-12215)</a>

- 4.8 [Form of 2.950% Senior Note due 2030 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: December 9, 2019\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.9 [Form of 2.800% Senior Note due 2031 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 11, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.10 [Indenture dated as of June 27, 2001, among the Company, the Subsidiary Guarantors, and the Trustee \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 27, 2001\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.11 [First Supplemental Indenture, dated as of June 27, 2001, among the Company, the Subsidiary Guarantors, and The Bank of New York \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 27, 2001\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.12 [Second Supplemental Indenture, dated as of November 26, 2001, among the Company, the Subsidiary Guarantors, and The Bank of New York \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: November 26, 2001\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.13 [Third Supplemental Indenture, dated as of April 4, 2002, among the Company, the Additional Subsidiary Guarantors, and The Bank of New York \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: April 1, 2002\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.14 [Fourth Supplemental Indenture dated as of March 19, 2003, among Unilab Corporation \(f/k/a Quest Diagnostics Newco Incorporated\), the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2003 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.15 [Fifth Supplemental Indenture dated as of April 16, 2004, among Unilab Acquisition Corporation \(d/b/a FNA Clinics of America\), the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2004 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.16 [Sixth Supplemental Indenture dated as of October 31, 2005, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: October 31, 2005\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.17 [Seventh Supplemental Indenture dated as of November 21, 2005, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: November 21, 2005\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.18 [Eighth Supplemental Indenture dated as of July 31, 2006, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: July 31, 2006\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.19 [Ninth Supplemental Indenture dated as of September 30, 2006, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: September 30, 2006\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.20 [Tenth Supplemental Indenture dated as of June 22, 2007, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 19, 2007\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)

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- 4.21 [Eleventh Supplemental Indenture dated as of June 22, 2007, among the Company, The Bank of New York, and the Additional Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 19, 2007\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.22 [Twelfth Supplemental Indenture dated as of June 25, 2007, among the Company, The Bank of New York, and the Additional Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 19, 2007\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.23 [Thirteenth Supplemental Indenture dated as of November 17, 2009, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: November 17, 2009\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.24 [Fourteenth Supplemental Indenture dated as of March 24, 2011, among the Company, The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: March 21, 2011\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.25 [Fifteenth Supplemental Indenture dated as of November 30, 2011, among the Company, The Bank of New York Mellon Trust Company, N.A., as successor trustee to The Bank of New York, and the Subsidiary Guarantors \(filed as an Exhibit to the Company's 2011 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.26 [Sixteenth Supplemental Indenture dated as of March 17, 2014, between the Company, The Bank of New York Mellon Trust Company, N.A., \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: March 12, 2014\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.27 [Seventeenth Supplemental Indenture dated as of March 10, 2015, between the Company and The Bank of New York Mellon \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: March 5, 2015\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.28 [Eighteenth Supplemental Indenture dated as of May 26, 2016, between the Company and The Bank of New York Mellon \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 23, 2016\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.29 [Nineteenth Supplemental Indenture dated as of March 12, 2019, between the Company and The Bank of New York Mellon \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: March 7, 2019\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.30 [Twentieth Supplemental Indenture dated as of December 16, 2019, between the Company and The Bank of New York Mellon \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: December 16, 2019\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.31 [Twenty-First Supplemental Indenture dated as of May 13, 2020, between the Company and The Bank of New York Mellon \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 11, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 4.32 [Description of Securities \(filed as an Exhibit to the Company's 2019 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.1‡ [Amended and Restated Employee Stock Purchase Plan, as amended, effective February 18, 2019 \(filed as an Exhibit to the Company's quarterly report on form 10-Q for the quarter ended March 31, 2019 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)

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- 10.2‡ [Amended and Restated Quest Diagnostics Incorporated Employee Long-Term Incentive Plan as amended May 14, 2019 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended June 30, 2019 and incorporated herein by reference\) \(Commission file number 001-12215\)](#)
- 10.3‡ [Form of Equity Award Agreement dated as of February 19, 2018 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2018 and incorporated herein by reference\) \(Commission file number 001-12215\)](#)
- 10.4‡ [Form of Equity Award Agreement dated as of February \\_\\_\\_\\_\\_, 2021 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2021 and incorporated herein by reference\) \(Commission file number 001-12215\)](#)
- 10.5‡ [Quest Diagnostics Supplemental Deferred Compensation Plan \(Post 2004\) amended and restated as of December 1, 2020 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ending September 30, 2021 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.6‡ [Quest Diagnostics Supplemental Deferred Compensation Plan \(Pre-2005\) amended and restated December 1, 2020 \(filed as an Exhibit to the Company's 2020 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.7‡ [Quest Diagnostics Incorporated Senior Management Incentive Plan, as amended and restated February 18, 2019 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2019 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.8‡ [Amended and Restated Quest Diagnostics Incorporated Executive Officer Severance Plan as amended November 19, 2019 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: November 19, 2019\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.9‡ [The Quest Diagnostics Incorporated Profit Sharing Plan \(Amendment and Restatement, effective as of August 15, 2021\) \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ending September 30, 2021 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.10‡ [Quest Diagnostics Incorporated Amended and Restated Deferred Compensation Plan For Directors as amended effective February 18, 2020 \(filed as an Exhibit to the Company's 2019 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.11‡ [Amended and Restated Quest Diagnostics Incorporated Long-Term Incentive Plan for Non-Employee Directors, as amended and restated as of November 18, 2020 \(filed as an Exhibit to the Company's 2020 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.12‡ [Form of Non-Employee Director Equity Award Agreement \(filed as an Exhibit to the Company's 2011 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.13‡ [Form of Non-Employee Director Equity Award Agreement dated May 15, 2015 \(filed as an Exhibit to the Company's 2015 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.14‡ [Form of Non-Employee Director Elective Option Award Agreement \(filed as an Exhibit to the Company's 2011 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.15‡ [Employment Agreement between Stephen H. Rusckowski and Quest Diagnostics Incorporated, dated April 3, 2012 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: April 9, 2012\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)

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- 10.16‡ [Amendment to Employment Agreement between Stephen H. Rusckowski and Quest Diagnostics Incorporated, dated June 11, 2015 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: June 11, 2015\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.17‡ [Aircraft Timesharing Agreement dated as of December 17, 2013 between Quest Diagnostics Incorporated and Stephen H. Rusckowski \(filed as an Exhibit to the Company's 2013 annual report on Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 10.18‡ [Assignment and Amendment No. 1 to Aircraft Timesharing Agreement dated as of May 29, 2019 between Quest Diagnostics Incorporated and Stephen H. Rusckowski \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended June 30, 2019 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 21.1\* [Subsidiaries of Quest Diagnostics Incorporated](#)
- 22\* [Subsidiary Guarantors of Securities](#)
- 23.1\* [Consent of PricewaterhouseCoopers LLP](#)
- 24.1\* [Power of Attorney \(included on signature page\)](#)
- 31.1\* [Rule 13a-14\(a\) Certification of Chief Executive Officer](#)
- 31.2\* [Rule 13a-14\(a\) Certification of Chief Financial Officer](#)
- 32.1\*\* [Section 1350 Certification of Chief Executive Officer](#)
- 32.2\*\* [Section 1350 Certification of Chief Financial Officer](#)
- 99.1 [Fourth Amended and Restated Receivables Sale Agreement, dated as of October 28, 2015, between Quest Diagnostics Incorporated and the subsidiaries party thereto from time to time, as Sellers, and Quest Diagnostics Receivables Inc., as Buyer \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.2 [Amendment No. 1 to Fourth Amended and Restated Receivables Sale Agreement, dated October 25, 2019 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.3 [Sixth Amended and Restated Credit and Security Agreement, dated as of October 27, 2017 among Quest Diagnostics Receivables Inc., as Borrower, Quest Diagnostics Incorporated, as Initial Servicer, MUFG Bank, Ltd. \(formerly known as The Bank of Tokyo Mitsubishi UFJ, Ltd.\), as Administrative Agent, the Lenders party thereto, the financial institutions party thereto as agents for the conduit lenders \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.4 [Amendment No. 1 to Sixth Amended and Restated Credit and Security Agreement, dated as of October 26, 2018 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.5 [Amendment No. 2 to Sixth Amended and Restated Credit and Security Agreement, dated as of June 14, 2019 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)

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- 99.6 [Amendment No. 3 to Sixth Amended and Restated Credit and Security Agreement, dated as of October 25, 2019 \(filed as an Exhibit to the Company's current report on Form 8-K \(Date of Report: May 4, 2020\) and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.7 [Amendment No. 4 to Sixth Amended and Restated Credit and Security Agreement, dated as of October 22, 2020 \(filed as an Exhibit to the Company's 2020 annual report of Form 10-K and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.8 [Amendment No. 5 to Sixth Amended and Restated Credit and Security Agreement, dated as of August 13, 2021 \(filed as an Exhibit to the Company's quarterly report on Form 10-Q for the quarter ended September 30, 2021 and incorporated herein by reference\) \(Commission File Number 001-12215\)](#)
- 99.9\* [Amendment No. 6 to Sixth Amended and Restated Credit and Security Agreement, dated as of October 21, 2021](#)
- 99.10\* [Amendment and Restatement Agreement, dated as of November 23, 2021, relating to the Second Amended and Restated Credit Agreement, dated as of March 22, 2018, among Quest Diagnostics Incorporated, as Borrower, the lenders party thereto, JPMorgan Chase Bank, N.A., as Administrative Agent, and other agents party thereto and which includes, as Exhibit A, the Third Restated Credit Agreement](#)
- 101.INS Inline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document
- 101.SCH Inline XBRL Taxonomy Extension Schema Document - dgx-20211231.xsd
- 101.CAL Inline XBRL Taxonomy Extension Calculation Linkbase Document - dgx-20211231\_cal.xml
- 101.DEF Inline XBRL Taxonomy Extension Definition Linkbase Document - dgx-20211231\_def.xml
- 101.LAB Inline XBRL Taxonomy Extension Label Linkbase Document - dgx-20211231\_lab.xml
- 101.PRE Inline XBRL Taxonomy Extension Presentation Linkbase Document - dgx-20211231\_pre.xml
- 104 The cover page from this annual report on Form 10-K, formatted in Inline XBRL.
- \* Filed herewith.
- \*\* Furnished herewith.
- ‡ Management contract or compensatory plan or arrangement required to be filed as an Exhibit to this Form 10-K pursuant to Item 15(b) of Form 10-K.

(b) Exhibits filed as part of this Report.

The exhibit index in (a) above is incorporated herein by reference.

(c) None.

### **Item 16. Form 10-K Summary**

None.



## Signatures

Pursuant to the requirements of Sections 13 or 15(d) 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, on February 28, 2022.

QUEST DIAGNOSTICS INCORPORATED  
(Registrant)

By: /s/Stephen H. Rusckowski

Stephen H. Rusckowski

Chairman of the Board, Chief Executive  
Officer and President

Each individual whose signature appears below constitutes and appoints Michael E. Prevoznik and William J. O'Shaughnessy, Jr., and each of them singly, his or her true and lawful attorneys-in-fact and agents with full power of substitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments to this Annual Report on Form 10-K filed with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all the said attorneys-in-fact and agents or any of them or their or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

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 indicated on February 28, 2022.

<u>Signature</u>	<u>Capacity</u>
<u>/s/Stephen H. Rusckowski</u> Stephen H. Rusckowski	Chairman of the Board, Chief Executive Officer and President (Principal Executive Officer)
<u>/s/Mark J. Guinan</u> Mark J. Guinan	Executive Vice President and Chief Financial Officer (Principal Financial Officer)
<u>/s/Michael J. Deppe</u> Michael J. Deppe	Vice President, Corporate Controller and Chief Accounting Officer (Principal Accounting Officer)
<u>/s/Tracey C. Doi</u> Tracey C. Doi	Director
<u>/s/Vicky B. Gregg</u> Vicky B. Gregg	Director
<u>/s/Wright L. Lassiter, III</u> Wright L. Lassiter, III	Director
<u>/s/Timothy L. Main</u> Timothy L. Main	Director
<u>/s/Denise M. Morrison</u> Denise M. Morrison	Director
<u>/s/Gary M. Pfeiffer</u> Gary M. Pfeiffer	Director
<u>/s/Timothy M. Ring</u> Timothy M. Ring	Director
<u>/s/Helen I. Torley</u> Helen I. Torley	Director
<u>/s/Gail R. Wilensky</u> Gail R. Wilensky	Director

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES  
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF  
OPERATIONS**

**Our Company**

***Diagnostic Information Services***

Quest Diagnostics empowers people to take action to improve health outcomes. We use our extensive database of clinical lab results to derive diagnostic insights that reveal new avenues to identify and treat disease, inspire healthy behaviors and improve healthcare management. Our diagnostic information services business ("DIS") provides information and insights based on the industry-leading menu of routine, non-routine and advanced clinical testing and anatomic pathology testing, and other diagnostic information services. We provide services to a broad range of customers, including patients, clinicians, hospitals, independent delivery networks ("IDNs"), health plans, employers, accountable care organizations ("ACOs"), and direct contract entities ("DCEs"). We offer the broadest access in the United States to diagnostic information services through our nationwide network of laboratories, patient service centers and phlebotomists in physician offices and our connectivity resources, including call centers and mobile paramedics, nurses and other health and wellness professionals. We are the world's leading provider of diagnostic information services. We provide interpretive consultation with one of the largest medical and scientific staffs in the industry. Our DIS business makes up greater than 95% of our consolidated net revenues. During 2021, we processed approximately 218 million test requisitions through our extensive laboratory network.

The clinical testing that we perform is an essential element in the delivery of healthcare services. Clinicians use clinical testing for predisposition, screening, monitoring, diagnosis, prognosis and treatment choices of diseases and other medical conditions. The United States clinical testing industry consists of two segments. One segment includes hospital inpatient and outpatient testing. The second segment includes testing of persons who are not hospital patients, including testing done in commercial clinical laboratories, physician-office laboratories and other locations, as well as hospital outreach (non-hospital patients) and consumer-initiated testing.

The clinical testing industry is subject to seasonal fluctuations in operating results and cash flows. Typically, testing volume declines during vacation and major holiday periods, reducing net revenues and operating cash flows below annual averages. Testing volume is also subject to declines due to severe weather or other events (such as public health emergencies and health pandemics), which can deter patients from having testing performed and which can vary in duration and severity from year to year. Additionally, orders for clinical testing generated from clinician offices, hospitals, employers and consumers can be affected by factors such as changes in the United States economy and regulatory environment, which affect the number of unemployed and uninsured, and design changes in healthcare plans, which affect utilization as well as patient responsibility for healthcare costs.

We assess our revenue performance for the DIS business based upon, among other factors, volume (measured by test requisitions) and revenue per requisition. Each requisition accompanies patient specimens, indicating the test(s) to be performed and the party to be billed for the test(s). Revenue per requisition is impacted by various factors, including, among other items, the impact of fee schedule changes (i.e. unit price), test mix, payer mix, and the number of tests per requisition. Management uses number of requisitions and revenue per requisition data to assist with assessing the growth and performance of the business, including understanding trends affecting number of requisitions, pricing and test mix. Therefore, we believe that information related to changes in these metrics from period to period are useful information for investors as it allows them to assess the performance of the business.

***Diagnostic Solutions***

In our Diagnostic Solutions ("DS") businesses, which represent the balance of our consolidated net revenues, we offer a variety of solutions for life insurers and healthcare organizations and clinicians. We are the leading provider of risk assessment services for the life insurance industry. In addition, we offer healthcare organizations and clinicians robust information technology solutions.

**2021 Highlights**

	<b>Year Ended December 31,</b>		
	<b>2021</b>	<b>2020</b>	<b>2019</b>
	(dollars in millions, except per share data)		
Net revenues	\$10,788	\$9,437	\$7,726
Base business revenues (a)	\$8,018	\$6,714	\$7,726
COVID-19 testing revenues	\$2,770	\$2,723	\$—
DIS revenues	\$10,494	\$9,139	\$7,405
Revenue per requisition change	(1.6)%	16.2%	(1.3)%
Requisition volume change	16.5%	6.6%	4.3%
Organic requisition volume change	13.6%	4.5%	3.1%
DS revenues	\$294	\$298	\$321
Income from continuing operations attributable to Quest Diagnostics	\$1,995	\$1,431	\$838
Diluted earnings per share from continuing operations	\$15.55	\$10.47	\$6.13
Net cash provided by operating activities	\$2,233	\$2,005	\$1,243

(a) Excludes COVID-19 testing.

The impact that the COVID-19 pandemic had on our DIS revenues, including requisition volume and revenue per requisition are discussed further below under "Impact of COVID-19" and "Results of Operations".

For further discussion of the year-over-year changes for the year ended December 31, 2021 compared to the year ended December 31, 2020, see "Results of Operations" below.

### **Impact of COVID-19**

As a novel strain of coronavirus (COVID-19) continues to impact the economy of the United States and other countries around the world, we are committed to being a part of the coordinated public and private sector response to this unprecedented challenge. We have made substantial investments to expand and maintain the amount of COVID-19 testing available to the country. We have been effectively managing challenges in the global supply chain; and, at this point, we have sufficient supplies to conduct our business.

During 2020 and 2021, our testing volume and revenues were materially impacted by the COVID-19 pandemic.

Beginning in March 2020, we experienced a material decline in base testing volume (which excludes COVID-19 testing) due to the COVID-19 pandemic. The decrease in base testing volume was driven by federal, state and local governmental policies and initiatives designed to reduce the transmission of COVID-19, a significant reduction in physician office visits, the cancellation of elective medical procedures, customers closing or severely curtailing their operations (voluntarily or in response to government orders), increased unemployment and loss of healthcare insurance and the adoption of work-from-home policies, all of which have had, and may continue to have, an impact on our operating results, financial position and cash flows.

During May and June 2020, we began to experience a recovery in base testing volume, which continued in 2021. The recovery has been driven by people returning to the healthcare system as well as contributions from new Professional Laboratory Services arrangements. For the first, second, third and fourth quarters of 2021, our base testing volume, excluding volume associated with recent acquisitions, was 2.8% below, 1.9% above, 3.8% above and 4.8% above our historical first, second, third and fourth quarter of 2019 levels, respectively. Recent agreements associated with our Professional Laboratory Services offerings contributed 5.2%, 5.8%, 5.2% and 5.6% volume growth for the first, second, third and fourth quarters of 2021 compared to 2019, respectively. Unless there is a change in the severity of the COVID-19 pandemic, we believe that there will be a continued return to healthcare with, in some cases, patients pursuing care delayed during the COVID-19 pandemic.

Beginning in the second quarter of 2020, we experienced growing demand for COVID-19 testing services and we expanded our capacity throughout 2020 in order to satisfy the demand, which has had a significant impact on our testing volumes. During 2021, demand for our COVID-19 testing has generally fluctuated in line with changes in the prevalence of the virus and related variants. We expect demand to trend down in 2022 and beyond.

Additionally, our revenue per requisition has been positively impacted by COVID-19 molecular testing. In April 2020 the Centers for Medicare and Medicaid Services ("CMS") announced that it would increase the reimbursement for certain COVID-19 molecular tests making use of high-throughput technologies developed by the private sector that allow for increased testing capacity, faster results, and more effective means of combating the spread of the virus to \$100 per test, effective April 14, 2020. Beginning January 1, 2021, Medicare changed the base reimbursement rate for COVID-19 diagnostic tests run on high-throughput technologies to \$75 per test with an additional payment of \$25 per test if the laboratory (1) completes the test in two calendar days or less and (2) completes the majority of its COVID-19 tests that use high throughput technology in two calendar days or less for all of its patients in the previous month. Certain healthcare insurers have now moved to a similar reimbursement model for COVID-19 molecular tests.

We believe the COVID-19 pandemic's impact on our consolidated results of operations, financial position and cash flows will be primarily driven by: the severity and duration of the COVID-19 pandemic (including any variants); healthcare insurer, government, and client payer reimbursement rates for COVID-19 molecular testing; the COVID-19 pandemic's impact on the U.S. healthcare system and the U.S. economy; the timing, scope and effectiveness of federal, state and local governmental responses to the COVID-19 pandemic; and effective and comprehensive COVID-19 vaccination across the U.S. We may also be impacted by changes in the severity of the COVID-19 pandemic at different times in the various cities and regions where we operate and offer services, and by challenges faced in implementing nationwide COVID-19 vaccinations, including the degree to which the public is vaccinated and the effectiveness of vaccines at preventing infection or illness in connection with new or existing variants of COVID-19. Even as the COVID-19 pandemic moderates over time and the business and social distancing restrictions ease, we may continue to experience similar effects to our businesses, consolidated results of operations, financial position and cash flows arising from long-term changes in behavior by consumers or other healthcare system participants and resulting from a recessionary economic environment that may persist. In the longer term, given the many challenges that hospitals will face, we may have more opportunities to partner with hospitals to help achieve their laboratory strategies, and the COVID-19 pandemic may also be a further catalyst for consolidation in the laboratory testing industry.

### **Medicare Sequestration**

Reimbursement for Medicare services is subject to annual reduction (sequestration) of 2% under the Budget Control Act of 2011. Beginning in May 2020, there has been a suspension of sequestration, which has resulted in a small benefit to us in the form of higher reimbursement rates for diagnostic testing services performed on behalf of Medicare beneficiaries. During December 2021, the suspension of Medicare sequestration was further extended through March 31, 2022 and it was reduced to 1% from April 1, 2022 to June 30, 2022, with the full annual 2% reduction in rates resuming thereafter.

### **Two Point Strategy**

Our two point strategy and our operating principles are described in detail in "*Item 1. Business*". We continued to execute our strategy and leverage our operating principles during 2021 as follows:

#### ***Acquisition of the Outreach Services Business of Mercy Health***

On June 1, 2021, we completed the acquisition of the outreach laboratory services business of Mercy Health, which serves providers and patients in Arkansas, Kansas, Missouri and Oklahoma, in an all-cash transaction for \$225 million. The acquired business is included in our DIS business.

For further details, see Note 5 to the audited consolidated financial statements.

***Acquisition of Assets of Labtech Diagnostics, LLC ("Labtech")***

On December 13, 2021, we completed the acquisition of assets of Labtech, an independent clinical diagnostics laboratory provider serving physicians and patients primarily in South Carolina, North Carolina, Florida and Georgia, in an all cash transaction for \$85 million, which consisted of cash consideration of \$80 million and contingent consideration initially estimated at \$5 million. The contingent consideration arrangement is dependent upon the achievement of certain testing volume benchmarks. The acquired business is included in our DIS business.

For further details, see Note 5 to the audited consolidated financial statements.

***Investments to Accelerate Growth***

In addition to our normal expenditures to operate the business, we have been making additional investments to accelerate growth, particularly in the advanced diagnostics and consumer-initiated testing areas which we believe represent long term growth opportunities for us. During 2021, such investments totaled approximately \$70 million and, during 2022, such investments are expected to approximate \$160 million.

***Sale of Ownership Interest in Q<sup>2</sup> Solutions<sup>®</sup> ("Q<sup>2</sup> Solutions") to IQVIA Holdings, Inc. ("IQVIA")***

On April 1, 2021, we sold our 40% ownership interest in Q<sup>2</sup> Solutions, our clinical trials central laboratory services joint venture, to IQVIA, our joint venture partner, for \$760 million in an all-cash transaction. The sales price is subject to customary post-closing adjustments. Prior to the transaction, we accounted for our minority interest as an equity method investment. As a result of the transaction, during the year ended December 31, 2021, we recorded a \$314 million pre-tax gain in other income, net in the consolidated statement of operations based on the difference between the net sales proceeds and the carrying value of the investment, including \$20 million of cumulative translation losses which were previously recorded in accumulated other comprehensive loss. During the year ended December 31, 2021, we also recorded \$55 million of income tax expense related to the gain, consisting of \$127 million of current income tax expense, partially offset by \$72 million of deferred income tax benefit.

Under a multi-year agreement, we will remain the strategic preferred laboratory provider for Q<sup>2</sup> Solutions' clients, providing a range of lab testing capabilities to augment Q<sup>2</sup> Solutions' core offerings and extend its industry leading suite of services.

For further details, see Note 6 to the audited consolidated financial statements.

***Accelerated Share Repurchase Agreements ("ASRs")***

In April 2021, we entered into ASRs with several financial institutions to repurchase our common stock as part of our share repurchase program. Each of the ASRs was structured to permit us to purchase shares immediately with the final purchase price of those shares determined by the volume-weighted average price of our common stock during the repurchase period, less a fixed discount. During the year ended December 31, 2021, we paid \$1.5 billion to the financial institutions and received 10.7 million shares of our common stock under the ASRs.

For further details regarding the ASRs and our repurchases of our common stock, see Note 16 to the audited consolidated financial statements.

***Invigorate Program***

We are engaged in a multi-year program called Invigorate, which is designed to reduce our cost structure and improve our performance. We currently aim annually to achieve savings and productivity improvements of approximately 3% of our costs and in 2021 we exceeded that goal.

Invigorate has consisted of several flagship programs, with structured plans in each, to drive savings and improve performance across the customer value chain. These flagship programs include: organization excellence; information



technology excellence; procurement excellence; field and customer service excellence; lab excellence; and revenue services excellence. In addition to these programs, we have identified key themes to change how we operate including reducing denials and patient price concessions; further digitizing our business; standardization and automation; and optimization initiatives in our lab network and patient service center network. We believe that our efforts to standardize our information technology systems, equipment and data also foster our efforts to strengthen our foundation for growth and support the value creation initiatives of our clinical franchises by enhancing our operational flexibility, empowering and enhancing the customer experience, facilitating the delivery of actionable insights and bolstering our large data platform.

For the year ended December 31, 2021, we incurred \$56 million of pre-tax charges under our Invigorate program primarily consisting of systems conversion and integration costs, all of which result in cash expenditures. Additional restructuring charges may be incurred in future periods as we identify additional opportunities to achieve further productivity improvements and savings.

## **Outlook and Trends**

The healthcare system in the United States is evolving; significant change is taking place in the system. We expect that the evolution of the healthcare industry, including impacts of the COVID-19 pandemic, such as increased adoption of telemedicine, will continue, and that industry change is likely to be extensive. There are a number of key trends that are having, and that we expect will continue to have, a significant impact on the diagnostic information services business in the United States and on our business. We believe that several of the trends, including consolidation, price transparency and consumerization, are favorable to our business.

Healthcare market participants, including governments, are focusing on controlling costs, including potentially by reducing reimbursement for healthcare services, changing reimbursement for healthcare services (including but not limited to a shift from fee-for-service to capitation), changing medical coverage policies (e.g., healthcare benefits design), denying coverage for services, requiring preauthorization of laboratory testing, requiring co-pays, introducing laboratory spend management utilities and payment and patient care innovations such as ACOs, DCEs and patient-centered medical homes. In recent years, there has been an ongoing trend of rising patient responsibility (including attributable to payer denials) which has resulted in an increase in our reserves for patient price concessions. As health plans and government programs require greater levels of patient cost-sharing, our patient price concessions may continue to be negatively impacted and adversely impact our results of operations. As previously mentioned, there could be a shift to capitation arrangements where we agree to a predetermined monthly reimbursement rate for each member enrolled in a restricted plan, generally regardless of the number or cost of services provided by us. In both 2021 and 2020, we derived approximately 3% of our consolidated net revenues from capitated payment arrangements. In both 2021 and 2020, we derived approximately 8% of our testing volume from capitated payment arrangements.

Historically, the Medicare Clinical Laboratory Fee Schedule ("CLFS") and the Medicare Physician Fee Schedule established under Part B of the Medicare program have been subject to change, including each year. Pursuant to the Protecting Access to Medicare Act ("PAMA"), CMS promulgated revised reimbursement schedules for 2018-2020 for clinical laboratory testing services provided under Medicare. Under the revised Medicare Clinical Laboratory Fee Schedule (in 2021 CLFS revenues comprised 7% of our consolidated net revenues), reimbursement rates for clinical laboratory testing were reduced from 2018 - 2020. PAMA calls for further revision of the CLFS for years after 2020, based on future surveys of market rates; reimbursement reduction from 2023 - 2025 is capped by PAMA at 15% annually. PAMA's next data collection and reporting period have been delayed, most recently by federal legislation adopted in 2021, which further delayed the reimbursement rate reductions and reporting requirements until 2023. Overall, we expect total reimbursement rate pressure (i.e., unit price changes) for 2022 from all payers on a combined basis to be less than 1%.

In addition, the trend of consolidating, converging and diversifying among our customers, payers and other healthcare industry participants has continued and may result in increased price transparency and bargaining power, and may encourage internalization of clinical testing. We also believe that PAMA, among other factors, may be a further catalyst for consolidation as diagnostic information services providers realize lower Medicare reimbursement rates and large diagnostic information services providers may be able to increase their share of the overall diagnostic information services industry due to their large networks and lower cost structures.

For a discussion of the impact of the COVID-19 pandemic on our business, see "*Impact of COVID-19*" above.

We believe that inflation generally has not had a material adverse effect on our results of operations or financial condition. Given the current environment, we expect wage inflation (excluding the impact of changes in performance-based compensation) of 3% to 4% during 2022.

For additional information on our key trends, which present both opportunities and risks, see "*Item 1. Business: The Clinical Testing Industry.*"

### **Critical Accounting Policies**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires us to make estimates and assumptions and select accounting policies that affect our reported financial results and the disclosure of contingent assets and liabilities.

Our revenues are primarily comprised of a high volume of relatively low-dollar transactions, and about one-half of our total costs and expenses consist of employee compensation and benefits. Due to the nature of our business, several of our accounting policies involve significant estimates and judgments:

- revenues and accounts receivable associated with DIS;
- reserves for general and professional liability claims;
- reserves for other legal proceedings; and
- accounting for and recoverability of goodwill.

#### ***Revenues and accounts receivable associated with DIS***

The process for estimating revenues and the ultimate collection of receivables associated with our DIS business involves significant assumptions and judgments. We recognize as revenue the amount of consideration to which we expect to be entitled primarily upon completion of the testing process (when results are reported) or when services have been rendered. We estimate the amount of consideration we expect to be entitled to receive from customer groups in exchange for providing services using the portfolio approach. These estimates include the impact of contractual allowances (including payer denials), and patient price concessions, as discussed below. The portfolios determined using the portfolio approach consist of the following customers:

- Healthcare Insurers
- Government Payers
- Client Payers
- Patients

We have a standardized approach to estimate the amount of consideration that we expect to be entitled to, including the impact of contractual allowances (including payer denials), and patient price concessions. Historical collection and payer reimbursement experience (along with the period of time that the receivables have been outstanding) is an integral part of the estimation process related to revenues and receivables. Adjustments to our estimated contractual allowances and implicit patient price concessions are recorded in the current period as changes in estimates. Further adjustments to the allowances, based on actual receipts, may be recorded upon settlement.

We regularly assess the state of our billing operations in order to identify issues which may impact the collectability of receivables or revenue estimates. We believe that the collectability of our receivables is directly linked to the quality of our billing processes, most notably those related to obtaining the correct information in order to bill effectively for the services we provide. As such, we strive to implement "best practices" and endeavor to increase the use of electronic ordering to reduce the number of requisitions that we receive from healthcare providers with missing or incorrect billing information. We believe that our collection and revenue estimation processes, along with our close monitoring of our billing operations, help to reduce the risk associated with material adjustments to reserve estimates. However, changes to our estimate of the impact of contractual allowances (including payer denials) and patient price concessions could have a material impact on our results of operations and financial condition in the period that the estimates are adjusted.

The following table shows the approximate percentage of our total requisition volume and net revenues associated with our DIS business during 2021 applicable to each customer group:

	<b>% of Total Volume</b>	<b>% of Consolidated Net Revenues</b>
Healthcare insurers	46%	42%
Government payers	10	10
Client payers	39	33
Patients *	2	12
Total DIS	<u>97%</u>	<u>97%</u>

\*Patients revenue includes coinsurance and deductible responsibilities but volume associated with such revenue is reported under Healthcare insurers.

The following table shows net accounts receivable as of December 31, 2021 applicable to each customer group:

	<b>% of Consolidated Net Accounts Receivable</b>
Healthcare insurers	32%
Government payers	6
Client payers	38
Patients (including coinsurance and deductible responsibilities)	21
Total DIS	<u>97%</u>

*Healthcare insurers*

Reimbursements from healthcare insurers are based on fee-for-service schedules and on capitated payment rates. Under fee-for-service arrangements, healthcare insurers are billed at our list price. Net revenues recognized consist of amounts billed net of contractual allowances for differences between amounts billed and the estimated consideration we expect to receive from such payers, which considers historical denial and collection experience and the terms of our contractual arrangements.

Substantially all of the accounts receivable due from healthcare insurers represent amounts billed under fee-for-service arrangements. Collection of our net revenues from healthcare insurers is normally a function of providing complete and correct billing information to the healthcare insurers within the various filing deadlines and generally occurs within 30 to 60 days of billing. Provided we have billed healthcare insurers accurately with complete information prior to the established filing deadline, there has historically been little to no credit risk. If there has been a delay in billing, we determine if the amounts in question will likely go past the filing deadline, and if so, we will reserve accordingly for the billing.

Under capitated arrangements with healthcare insurers, we recognize revenue based on a predetermined monthly reimbursement rate for each member of an insurer's health plan regardless of the number or cost of services provided by us. Under capitated payment arrangements, the healthcare insurers typically reimburse us in the same month services are performed, essentially giving rise to no outstanding accounts receivable at the end of a reporting period. If any capitated payments are not received on a timely basis, we determine the cause and make a separate determination as to whether or not the collection of the amount from the healthcare insurer is at risk and, if so, would reserve accordingly.

*Government payers*

Reimbursements from government payers are based on fee-for-service schedules set by governmental authorities, including traditional Medicare and Medicaid. Net revenues recognized consist of amounts billed net of contractual allowances for differences between amounts billed and the estimated consideration we expect to receive from such payers, which considers historical denial and collection experience.

Collection of our net revenues from government payers is normally a function of providing the complete and correct billing information within the various filing deadlines. Collection generally occurs within 30 days of billing. Provided we have billed government payers accurately with complete information prior to the established filing deadline, there has historically been little to no credit risk. If there has been a delay in billing, we determine if the amounts in question will likely go past the filing deadline, and, if so, we will reserve for the billing accordingly.

#### *Client payers*

Client payers include physicians, hospitals, ACOs, DCEs, IDNs, employers, other commercial laboratories and institutions for which services are performed on a wholesale basis, and are billed based on a negotiated fee schedule. Credit risk and ability to pay are more of a consideration for these payers than healthcare insurers and government payers. Collection of consideration we expect to receive generally occurs within 60 to 90 days of billing.

We principally estimate the allowance for credit losses for client payers based on historical collection experience, the current credit worthiness of the customers, current economic conditions, expectations of future economic conditions and the period of time that the receivables have been outstanding. To the extent that any individual client payers are identified that have deteriorated in credit quality, we establish allowances based on the individual risk characteristics of such customers.

#### *Patients*

Uninsured patients are billed based on established patient fee schedules or fees negotiated with physicians on behalf of their patients. Insured patients (includes coinsurance and deductible responsibilities) are billed based on fees negotiated with healthcare insurers. Collection of billings from patients is subject to credit risk and ability of the patients to pay. Net revenues consist of amounts billed net of discounts provided to uninsured patients in accordance with our policies and implicit price concessions. Implicit price concessions represent differences between amounts billed and the estimated consideration we expect to receive from patients, which considers historical collection experience (along with the period of time that the receivables have been outstanding) and other factors including current market conditions. Patient billings are generally fully reserved for when the related service reaches 210 days outstanding. Balances are automatically written off when they are sent to collection agencies. Allowances are further adjusted for estimated recoveries of amounts sent to collection agencies based on historical collection experience, which is regularly monitored. Collection of consideration we expect to receive generally occurs within 30 to 60 days of billing.

#### ***Reserves for general and professional liability claims***

As a general matter, providers of diagnostic information services may be subject to lawsuits alleging negligence or other similar claims. These suits could involve claims for substantial damages. Any professional liability litigation could also have an adverse impact on our client base and reputation. We maintain various liability insurance coverages for claims that could result from providing, or failing to provide, clinical testing services, including inaccurate testing results, and other exposures. Our insurance coverage limits our maximum exposure on individual claims; however, we are essentially self-insured for a significant portion of these claims. While the basis for claims reserves is actuarially determined losses based upon our historical and projected loss experience, the process of analyzing, assessing and establishing reserve estimates relative to these types of claims involves a high degree of judgment. Although we believe that our present reserves and insurance coverage are sufficient to cover currently estimated exposures, it is possible that we may incur liabilities in excess of our recorded reserves or insurance coverage. Changes in the facts and circumstances associated with claims could have a material impact on our results of operations (principally costs of services), cash flows and financial condition in the period that reserve estimates are adjusted or paid. See Note 18 to the audited consolidated financial statements for a discussion of our reserves for general and professional liability claims.

### ***Reserves for other legal proceedings***

Our businesses are subject to or impacted by extensive and frequently changing laws and regulations, including inspections and audits by governmental agencies, in the United States (at both the federal and state levels) and the other jurisdictions in which we conduct business. Although we believe that we are in compliance, in all material respects, with applicable laws and regulations, there can be no assurance that a regulatory agency would not reach a different conclusion. Any noncompliance by us with applicable laws and regulations could have a material adverse effect on our results of operations. In addition, these laws and regulations may be interpreted or applied by a prosecutorial, regulatory or judicial authority in a manner that could require us to make changes in our operations, including our pricing and/or billing practices. In addition, certain federal and state statutes, including the *qui tam* provisions of federal and state false claims acts, allow private individuals to bring lawsuits against healthcare companies on behalf of government or private payers alleging inappropriate billing practices. We are aware of certain pending lawsuits including class action lawsuits, and have received subpoenas related to billing practices. See Note 18 to the audited consolidated financial statements for a discussion of the various legal proceedings that we are involved in.

The process of analyzing, assessing and establishing reserve estimates relative to legal proceedings involves a high degree of judgment. Management has established reserves for legal proceedings in accordance with generally accepted accounting principles in the United States. Changes in facts and circumstances related to such proceedings could lead to significant adjustments to reserve estimates for such matters and could have a material impact on our results of operations, cash flows and financial condition in the period that reserve estimates are adjusted or paid.

### ***Accounting for and recoverability of goodwill***

We do not amortize goodwill, but evaluate the recoverability and measure the potential impairment of our goodwill annually, or more frequently, in the case of other events that indicate a potential impairment. We identified the following reporting units for goodwill impairment testing in 2021:

- DIS business;
- Risk assessment services business, which is part of our DS businesses

The DIS reporting unit components have been aggregated into a single reporting unit because they have similar economic characteristics, including similarities in financial performance, nature of products or services, nature of production processes and types of customers.

On a quarterly basis, we perform a review of our business to determine if events or changes in circumstances have occurred which could have a material adverse effect on our fair value and our goodwill. If such events or changes in circumstances were deemed to have occurred, we would perform an impairment test of goodwill and record any noted impairment loss.

The annual impairment test for goodwill includes an option to perform a qualitative assessment of whether it is more likely than not that a reporting unit's fair value is less than its carrying value; the qualitative analysis may be performed prior to, or as an alternative to, performing a quantitative goodwill impairment test. In evaluating whether it is more likely than not that the fair value of a reporting unit is less than its carrying value, we assess relevant events and circumstances, such as: (a) macroeconomic conditions; (b) industry and market considerations; (c) cost factors; (d) overall financial performance; (e) other relevant entity-specific events; (f) events affecting a reporting unit; and (g) a sustained decrease in share price. If, after assessing the totality of events or circumstances, we determine that it is more likely than not that the fair value of a reporting unit is less than its carrying value, then we are required to perform the quantitative goodwill impairment test. Otherwise, no further analysis is required. Additionally, our policy is to update the fair value calculation of our reporting units and perform the quantitative goodwill impairment test on a periodic basis.

The quantitative impairment test involves the comparison of the fair value of the reporting unit to its carrying value. If the carrying value is greater than our estimate of fair value, an impairment loss will be recognized in the amount of the excess. We calculate the fair value of each reporting unit using either (i) a discounted cash flows analysis that converts future cash flow amounts into a single discounted present value amount or (ii) a market approach. We assess the valuation methodology based upon the relevance and availability of the data at the time we perform the valuation. The discounted cash flows analysis includes several unobservable inputs related to our own assumptions. The assumptions and estimates used in the discounted cash flows model are based upon the best available information in the circumstances and include a forecast of expected future cash flows, long-term growth rates, discount rates that are commensurate with economic risks, assumed income tax rates and

estimates of capital expenditures and working capital. The fair values of the reporting units could be different if, for example, forecasted revenue growth rates, economic conditions, government regulations or actions by payers to control utilization of or reimbursement for healthcare services, turn out to be different than our assumptions or estimates. Changes in the assumed discount rates due to changes in interest rates could also affect the estimated fair values of the reporting units. We use a discount rate that considers a weighted average cost of capital plus an appropriate risk premium based upon the reporting unit being valued. Our analysis also considers publicly available information regarding our market capitalization, as well as (i) the financial projections and future prospects of our business, including its growth opportunities and likely operational improvements, and (ii) comparable sales prices, if available. We believe our estimation methods are reasonable and reflect common valuation practices.

We perform our annual impairment test during the fourth quarter of the fiscal year. For the year ended December 31, 2021, we performed the qualitative assessment for our DIS and risk assessment services reporting units. Based on the totality of the information available for each reporting unit, we concluded that it was more likely than not that the estimated fair values were greater than the carrying values of the reporting units, and as such, no further analysis was required. As a sensitivity, in conjunction with the most recent quantitative test performed for the year ended December 31, 2020, if the estimated fair values of each of our reporting units decreased by 10%, we would have concluded that our goodwill was not impaired.

**Results of Operations**

*For a comparison of results of operations for the year ended December 31, 2020 compared to December 31, 2019, along with the results of operations for the year ended December 31, 2019, see "Item 7 - Management's Discussion and Analysis of Financial Condition and Result of Operations" of our Annual Report on Form 10-K for the year ended December 31, 2020. See "Available Information."*

***Basis of Presentation***

Our DIS business currently represents our one reportable business segment. The DIS business for the years ended December 31, 2021 and 2020 accounted for greater than 95% of our consolidated net revenues. Our other operating segments consist of our DS businesses. For further details regarding our business segment information, see Note 19 to the audited consolidated financial statements.

***Results of Operations***

The following table sets forth certain results of operations data for the periods presented:

	<b>2021</b>	<b>2020</b>	<b>\$ Change</b>	<b>% Change</b>
	(dollars in millions, except per share data)			
<b>Net revenues:</b>				
DIS business	\$ 10,494	\$ 9,139	\$ 1,355	14.8 %
DS businesses	294	298	(4)	(1.3)
Total net revenues	<u>\$ 10,788</u>	<u>\$ 9,437</u>	<u>\$ 1,351</u>	<u>14.3 %</u>
<b>Operating costs and expenses and other operating income:</b>				
Cost of services	\$ 6,579	\$ 5,804	\$ 775	13.4 %
Selling, general and administrative	1,727	1,550	177	11.4
Amortization of intangible assets	103	103	—	—
Other operating (income) expense, net	(2)	9	(11)	NM
Total operating costs and expenses, net	<u>\$ 8,407</u>	<u>\$ 7,466</u>	<u>\$ 941</u>	<u>12.6 %</u>
<b>Operating income</b>	<u>\$ 2,381</u>	<u>\$ 1,971</u>	<u>\$ 410</u>	<u>20.8 %</u>



**Other income (expense):**

Interest expense, net	\$ (151)	\$ (163)	\$ 12	(7.2)%
Other income, net	369	76	293	NM
Total non-operating income (expense), net	<u>\$ 218</u>	<u>\$ (87)</u>	<u>\$ 305</u>	<u>NM</u>
<b>Income tax expense</b>	\$ (597)	\$ (460)	\$ (137)	29.6 %
Effective income tax rate	23.0 %	24.5 %		
<b>Equity in earnings of equity method investees, net of taxes</b>	\$ 78	\$ 75	\$ 3	4.7 %
<b>Net income attributable to Quest Diagnostics</b>	\$ 1,995	\$ 1,431	\$ 564	39.4 %
<b>Diluted earnings per share attributable to Quest Diagnostics' common stockholders</b>	\$ 15.55	\$ 10.47	\$ 5.08	48.5 %

NM - Not Meaningful

The following table sets forth certain results of operations data as a percentage of net revenues for the periods presented:

	<u>2021</u>	<u>2020</u>
<b>Net revenues:</b>		
DIS business	97.3 %	96.8 %
DS businesses	2.7	3.2
Total net revenues	<u>100.0 %</u>	<u>100.0 %</u>
<b>Operating costs and expenses and other operating income:</b>		
Cost of services	61.0 %	61.5 %
Selling, general and administrative	16.0	16.4
Amortization of intangible assets	1.0	1.1
Other operating (income) expense, net	<u>(0.1)</u>	<u>0.1</u>
Total operating costs and expenses, net	<u>77.9 %</u>	<u>79.1 %</u>
<b>Operating income</b>	22.1 %	20.9 %

## ***Operating Results***

Results for the year ended December 31, 2021 were affected by certain items that on a net basis increased diluted earnings per share by \$1.31 as follows:

- a pre-tax gain recorded in other income, net of \$314 million, or \$2.02 per diluted share, on the sale of our 40% ownership interest in Q<sup>2</sup> Solutions;
- a net pre-tax gain of \$23 million (a \$39 million gain recorded in other income, net, partially offset by \$16 million of costs recorded in selling, general and administrative expenses), or \$0.16 per diluted share, primarily representing changes in the carrying value of our strategic investments, and a gain recognized by an equity method investee to adjust certain of its investments to fair value, partially offset by costs associated with donations, contributions and other financial support through Quest for Health Equity (our initiative with the Quest Diagnostics Foundation to reduce health disparities in underserved communities), and a non-cash impairment charge to the carrying value of an equity method investment; and
- excess tax benefits associated with stock-based compensation arrangements of \$19 million, or \$0.14 per diluted share, recorded in income tax expense; partially offset by
- pre-tax amortization expense of \$105 million (\$103 million in amortization of intangible assets and \$2 million in equity in earnings of equity method investees, net of taxes) or \$0.62 per diluted share;
- pre-tax charges of \$61 million (\$30 million in cost of services and \$31 million in selling, general and administrative expenses), or \$0.36 per diluted share, primarily associated with systems conversions and integration incurred in connection with further restructuring and integrating our business; and
- pre-tax charges of \$4 million in cost of services, or \$0.03 per diluted share, representing the impact of certain items resulting from the COVID-19 pandemic, including incremental costs incurred to protect the health and safety of our employees and customers.

For the year ended December 31, 2021, diluted earnings per share benefited from the impact of the ASRs on our weighted average shares outstanding as compared to the prior year.

Results for the year ended December 31, 2020 were affected by certain items that on a net basis decreased diluted earnings per share by \$0.71 as follows:

- pre-tax amortization expense of \$114 million (\$103 million in amortization of intangible assets and \$11 million in equity in earnings of equity method investees, net of taxes) or \$0.63 per diluted share;
- net pre-tax charges of \$72 million (\$57 million of charges in cost of services, \$10 million of charges in selling, general and administrative expenses and \$9 million of charges in other operating (income) expense, net, partially offset by a \$4 million gain in equity in earnings of equity method investees, net of taxes), or \$0.39 per diluted share, representing the impact of certain items resulting from the COVID-19 pandemic, principally including expense associated with payments to eligible employees to help offset expenses they incurred as a result of COVID-19, incremental costs incurred primarily to protect the health and safety of our employees and customers, and certain asset impairment charges; and
- pre-tax charges of \$58 million (\$27 million in cost of services and \$31 million in selling, general and administrative expenses), or \$0.32 per diluted share, primarily associated with systems conversions and integration incurred in connection with further restructuring and integrating our business; partially offset by
- a pre-tax gain of \$70 million, or \$0.46 per diluted share, recognized in other income, net, based on the difference between the fair value and the carrying value of an equity interest;
- excess tax benefits associated with stock-based compensation arrangements of \$23 million, or \$0.17 per diluted share, recorded in income tax expense; and
- a net pre-tax gain of \$2 million (a \$14 million gain in equity in earnings of equity method investees, net of taxes, partially offset by a \$10 million loss in other income, net, and \$2 million of charges in selling, general and administrative expenses) primarily due to a gain recognized by an equity method investee to adjust certain of its investments to fair value, a loss on retirement of debt, and, to a lesser extent, costs associated with Quest for Health Equity.

## ***Net Revenues***

Net revenues for the year ended December 31, 2021 increased by 14.3% compared to the prior year.

DIS revenues for the year ended December 31, 2021 increased by 14.8% compared to the prior year. For the year ended December 31, 2021:

- Organic revenue and acquisitions contributed approximately 13.0% and 1.8%, respectively, to DIS revenue growth compared to the prior year. Organic revenue growth was driven by growth in the base business and, to a lesser extent, demand for COVID-19 molecular testing.
- Revenues in the base business (including the impact of recent acquisitions) increased by 20.4% compared to the prior year, which was negatively impacted as a result of the COVID-19 pandemic. Compared to historical levels in 2019, revenues in the base business, excluding revenue associated with recent acquisitions, increased by 0.4%. Recent agreements associated with our Professional Laboratory Services offerings contributed 2.3% revenue growth compared to 2019.
- DIS volume increased by 16.5% with organic volume and acquisitions contributing approximately 13.6% and 2.9%, respectively. Organic volume growth was driven by growth in the base business.
- Testing volume in the base business (including the impact of recent acquisitions) continued to recover and was up 19.7% compared to the prior year, which was negatively impacted as a result of the COVID-19 pandemic. Compared to historical levels in 2019, testing volume in the base business, excluding volume associated with recent acquisitions, increased by 2.0%. Recent agreements associated with our Professional Laboratory Services offerings contributed 5.5% volume growth compared to 2019.
- Revenue per requisition decreased by 1.6% compared to the prior year primarily due to growth in our Professional Laboratory Services engagements, which carry a lower revenue per requisition than the average for the remainder of the DIS business, and pricing pressure of approximately 1.1%, partially offset by favorable test mix.

### ***Cost of Services***

Cost of services consists principally of costs for obtaining, transporting and testing specimens as well as facility costs used for the delivery of our services.

Cost of services increased by \$775 million for the year ended December 31, 2021 compared to the prior year. The increase was primarily driven by higher variable expenses related to increased testing volumes, higher compensation and benefits costs (primarily related to wage increases), and, to a lesser extent, additional operating costs associated with our acquisitions.

### ***Selling, General and Administrative Expenses ("SG&A")***

SG&A consists principally of the costs associated with our sales and marketing efforts, billing operations, credit loss expense and general management and administrative support, as well as administrative facility costs.

SG&A increased by \$177 million for the year ended December 31, 2021, compared to the prior year, primarily driven by higher variable expenses to support our increase in testing volumes, investments in our strategic growth initiatives and higher compensation and benefit costs (including headcount and wage increases).

### ***Amortization of Intangible Assets***

For the year ended December 31, 2021, amortization expense was flat compared to the prior year.

### ***Other Operating (Income) Expense, Net***

Other operating (income) expense, net includes miscellaneous income and expense items and other charges related to operating activities.

For the year ended December 31, 2020, other operating (income) expense, net primarily represents impairment charges due to the impact of the COVID-19 pandemic.

### ***Interest Expense, Net***

Interest expense, net decreased by \$12 million for the year ended December 31, 2021 compared to the prior year, primarily due to lower average outstanding indebtedness and, to a lesser extent, lower interest rates due to recent refinancing transactions, including the termination of our interest rate swap agreements in April 2020, which resulted in a deferred gain that is being amortized as a reduction of interest expense, net over the remaining term of the associated debt.

### ***Other Income, Net***

Other income, net represents miscellaneous income and expense items related to non-operating activities, such as gains and losses associated with investments and other non-operating assets.

For the year ended December 31, 2021, other income, net included a \$314 million pre-tax gain on the sale of our 40% ownership interest in Q<sup>2</sup> Solutions, our clinical trials central laboratory services joint venture, to IQVIA, our joint venture partner (see Note 6 to the audited consolidated financial statements), \$39 million in gains associated with changes in the carrying value of our strategic investments, and \$17 million in gains associated with investments in our deferred compensation plans.

For the year ended December 31, 2020, other income, net included a \$70 million gain recognized as a result of the remeasurement of our previously held equity interest in Mid America Clinical Laboratories, LLC ("MACL") to fair value (see Note 5 to the audited consolidated financial statements) and \$15 million in gains associated with investments in our deferred compensation plans, partially offset by a \$9 million loss on the retirement of debt, principally due to premiums paid.

### ***Income Tax Expense***

Income tax expense for the years ended December 31, 2021 and 2020 was \$597 million and \$460 million, respectively. The increase in income tax expense compared to the prior year was primarily driven by an increase in income before income taxes and equity in earnings of equity method investees.

The effective income tax rate for the years ended December 31, 2021 and 2020 was 23.0% and 24.5%, respectively. The effective income tax rate for the year ended December 31, 2021 benefited from a lower effective income tax rate, 17.6%, on the gain on the sale of our 40% ownership interest in Q<sup>2</sup> Solutions. The effective income tax rate for the year ended December 31, 2020 benefited from a lower effective income tax rate, 11.8%, associated with a \$70 million gain recognized as a result of the remeasurement of our previously held equity interest in MACL to fair value. In addition, the effective income tax rates benefited from \$19 million and \$23 million of excess tax benefits associated with stock-based compensation arrangements for the years ended December 31, 2021 and 2020, respectively.

### ***Equity in Earnings of Equity Method Investees, Net of Taxes***

For the year ended December 31, 2021, there was a \$3 million increase in equity in earnings of equity method investees, net of taxes, compared to the prior year primarily due to the demand for COVID-19 testing services and recovery in the base business of the investees, partially offset by lower equity earnings as a result of the sale of our 40% ownership interest in Q<sup>2</sup> Solutions.

## Quantitative and Qualitative Disclosures About Market Risk

We address our exposure to market risks, principally the risk of changes in interest rates, through a controlled program of risk management that includes the use of derivative financial instruments. We do not hold or issue derivative financial instruments for speculative purposes. We seek to mitigate the variability in cash outflows that result from changes in interest rates by maintaining a balanced mix of fixed-rate and variable-rate debt obligations. In order to achieve this objective, we have historically entered into interest rate swap agreements. Interest rate swap agreements involve the periodic exchange of payments without the exchange of underlying principal or notional amounts. Net settlements are recognized as an adjustment to interest expense, net. We believe that our exposures to foreign exchange impacts and changes in commodity prices are not material to our consolidated results of operations, financial position or cash flows. For further details regarding our significant accounting policies on interest rate risk and foreign currency, see Note 2 to the audited consolidated financial statements.

As of December 31, 2021 and 2020, the fair value of our debt was estimated at approximately \$4.4 billion and \$4.6 billion, respectively, principally using quoted prices in active markets and yields for the same or similar types of borrowings, taking into account the underlying terms of the debt instruments. As of December 31, 2021 and 2020, the estimated fair value exceeded the carrying value of the debt by \$403 million and \$597 million, respectively. A hypothetical 10% increase in interest rates (representing 23 basis points as of December 31, 2021 and 17 basis points as of December 31, 2020) would potentially reduce the estimated fair value of our debt by approximately \$89 million and \$82 million as of December 31, 2021 and 2020, respectively.

Borrowings under our secured receivables credit facility and our senior unsecured revolving credit facility are subject to variable interest rates. Interest on our secured receivables credit facility is based on either commercial paper rates for highly rated issuers, or London Interbank Offered Rate ("LIBOR"), plus a spread. As of December 31, 2021, interest on our senior unsecured revolving credit facility is based on certain published rates plus an applicable margin based on changes in our public debt ratings. As such, our borrowing cost under this credit arrangement is subject to fluctuations in interest rates and changes in our public debt ratings. As of December 31, 2021, the borrowing rates under these debt instruments were: for our secured receivables credit facility, commercial paper rates for highly-rated issuers or LIBOR, plus a spread of 0.725% to 0.80%; and for our senior unsecured revolving credit facility, LIBOR plus 1.00%. As of December 31, 2021, there were no borrowings outstanding under either our \$600 million secured receivables credit facility or our \$750 million senior unsecured revolving credit facility.

A hypothetical 10% change to the variable rate component of our variable rate indebtedness would not materially change our annual interest expense.

For further details regarding our outstanding debt and our financial instruments and hedging activities, see Notes 13 and 15, respectively, to the audited consolidated financial statements.

### ***Risk Associated with Investment Portfolio***

Our investment portfolio primarily includes equity investments comprised mostly of strategic holdings in companies concentrated in the life sciences and healthcare industries. Equity investments (except those accounted for under the equity method of accounting or those that result in consolidation of the investee) with readily determinable fair values are measured at fair value in prepaid expenses and other current assets in our consolidated balance sheet with changes in fair value recorded in current earnings in our consolidated statement of operations. Equity investments that do not have readily determinable fair values (which consist of investments in preferred and common shares of private companies) are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes. During the year ended December 31, 2021, certain of our equity investments became publicly-traded and, based on the readily determinable fair values of such investments, we recognized gains of \$39 million in other income, net in our consolidated statement of operations. For further details, see Notes 2 and 7 to the audited consolidated financial statements.

We regularly evaluate equity investments that do not have readily determinable fair values to determine if there are any indicators that the investments are impaired. The carrying value of our equity investments that do not have readily determinable fair values was \$4 million as of December 31, 2021.

We do not hedge our equity price risk. As of December 31, 2021, a 10% change in the fair values of our equity investments with readily determinable fair values would have impacted our consolidated income before income taxes and equity in earnings of equity method investees by \$4 million. The impact of an adverse movement in equity prices on our holdings in privately held companies cannot be easily quantified, as our ability to realize returns on investments depends on,

among other things, the enterprises' ability to raise additional capital or derive cash inflows from continuing operations or through liquidity events such as initial public offerings, mergers or private sales.

In conjunction with the preparation of our audited consolidated financial statements for the year ended December 31, 2021, we considered whether the carrying values of our investments were impaired and concluded that no such impairment existed.

**Liquidity and Capital Resources**

	<u>2021</u>	<u>2020</u>	<u>\$ Change</u>
	(dollars in millions)		
Net cash provided by operating activities	\$ 2,233	\$ 2,005	\$ 228
Net cash provided by (used in) investing activities	21	(772)	793
Net cash used in financing activities	<u>(2,540)</u>	<u>(1,267)</u>	<u>(1,273)</u>
<b>Net change in cash and cash equivalents and restricted cash</b>	<b><u>\$ (286)</u></b>	<b><u>\$ (34)</u></b>	<b><u>\$ (252)</u></b>

***Cash and Cash Equivalents***

Cash and cash equivalents consist of cash and highly-liquid short-term investments. Cash and cash equivalents as of December 31, 2021 and 2020 totaled \$872 million and \$1,158 million, respectively.

As of December 31, 2021, approximately 5% of our \$872 million of consolidated cash and cash equivalents were held outside of the United States.

***Cash Flows from Operating Activities***

Net cash provided by operating activities for the year ended December 31, 2021 was \$2,233 million, and increased \$228 million compared to the prior year primarily as a result of:

- higher operating income in 2021 as compared to 2020; and,
- the timing of movements in our working capital accounts; partially offset by
- a \$349 million increase in income tax payments due to higher income in 2021 as compared to 2020, as well as timing of payments; and
- higher performance-based compensation payments in 2021 compared to 2020.

Days sales outstanding ("DSO"), a measure of billing and collection efficiency, was 48 days as of December 31, 2021 and 46 days as of December 31, 2020. Recent changes in our DSO are partially due to fluctuations in our monthly revenue due to the impact of the COVID-19 pandemic.

***Cash Flows from Investing Activities***

Net cash provided by investing activities for the year ended December 31, 2021 was \$21 million, compared to net cash used in investing activities of \$772 million for the year ended December 31, 2020. This \$793 million change in cash provided by (used in) investing activities was primarily a result of \$755 million of net cash proceeds received during 2021 from the sale of our 40% ownership interest in Q<sup>2</sup> Solutions.

***Cash Flows from Financing Activities***

Net cash used in financing activities for the year ended December 31, 2021 was \$2,540 million, compared to \$1,267 million for the year ended December 31, 2020. This \$1,273 million increase in cash used in financing activities was primarily a result of:

- a \$1,874 million increase in repurchases of our common stock (see "Share Repurchases" for further details); and, to a lesser extent,
- a \$103 million change in bank overdrafts, which are generally settled in cash the following day;



- a \$60 million decrease in proceeds from the exercise of stock options, which was a result of a decrease in the volume of stock options exercised compared to the prior year; and
- a \$41 million increase in distributions to noncontrolling interest partners; partially offset by
- \$805 million of net debt repayments (repayments of debt less proceeds from borrowings) in 2020 compared to \$2 million of net debt repayments in 2021.

During the year ended December 31, 2021, there were no borrowings or repayments under our secured receivables credit facility or senior unsecured revolving credit facility.

During January 2020, we redeemed in full the outstanding indebtedness under our senior notes due January 2020 and senior notes due March 2020 using net proceeds from the issuance, in December 2019, of the \$800 million aggregate principal amount of 2.95% senior notes due June 2030, along with cash on hand. During May 2020, we completed the issuance of the \$550 million aggregate principal amount of 2.80% senior notes due June 2031, the net proceeds from which were used during November 2020, along with cash on hand, to redeem in full the outstanding indebtedness under our senior notes due April 2021. Additionally, during the year ended December 31, 2020, we borrowed \$100 million under our secured receivables credit facility and \$100 million under our senior unsecured revolving credit facility, both of which were repaid prior to December 31, 2020.

For details regarding our debt and related transactions, see Note 13 to the audited consolidated financial statements.

### ***Dividend Program***

During each of the four quarters of 2021, our Board of Directors declared a quarterly cash dividend of \$0.62 per common share. During each of the four quarters of 2020, our Board of Directors declared a quarterly cash dividend of \$0.56 per common share. On February 3, 2022, we announced that our Board of Directors authorized a 6.5% increase in our quarterly cash dividend from \$0.62 to \$0.66 per share, or \$2.64 per share annually, commencing with the dividend payable in April 2022.

### ***Share Repurchases***

In each of February and March 2021, our Board of Directors increased the size of our share repurchase program by \$1 billion. As of December 31, 2021, \$0.7 billion remained available under our share repurchase authorization. In February 2022, our Board of Directors authorized us to repurchase an additional \$1 billion of our common stock.

For the year ended December 31, 2021, we repurchased 16.0 million shares of our common stock for \$2.2 billion, including 10.7 million shares repurchased under ASRs. See "2021 Highlights" above for further details.

For the year ended December 31, 2020, we repurchased 2.7 million shares of our common stock for \$325 million.

For further details regarding our share repurchases, see Note 16 to the audited consolidated financial statements.

### ***Contractual Obligations and Commitments***

A description of the terms of our indebtedness and related debt service requirements is contained in Note 13 to the audited consolidated financial statements.

A discussion of our lease obligations is contained in Note 14 to the audited consolidated financial statements.

A discussion of our noncancellable commitments to purchase products or services is contained in Note 18 to the audited consolidated financial statements.

### ***Equity Method Investees***

Our equity method investees primarily consist of our diagnostic information services joint venture and investments in funds that purchase strategic holdings in private companies in the healthcare industry. Such investees are accounted for under the equity method of accounting. Our investment in equity method investees is less than 5% of our consolidated total assets. Our proportionate share of income before income taxes associated with our equity method investees is less than 5% of our consolidated income from continuing operations before income taxes and equity in earnings of equity method investees. We have no material unconditional obligations or guarantees to, or in support of, our equity method investees and their operations.

In conjunction with the preparation of our audited consolidated financial statements for the year ended December 31, 2021, we considered whether the carrying values of our equity method investments were impaired and during the year ended December 31, 2021 we recorded an \$8 million impairment charge for one of the investments.

### ***Requirements and Capital Resources***

We estimate that we will invest approximately \$400 million during 2022 for capital expenditures, to support and grow our existing operations, principally related to investments in information technology; laboratory equipment and facilities, including laboratory automations and footprint optimizations; and investments in our advanced diagnostics and consumer growth strategies.

As of December 31, 2021, we had \$1.3 billion of borrowing capacity available under our existing credit facilities, including \$530 million available under our secured receivables credit facility and \$750 million available under our senior unsecured revolving credit facility. There were no outstanding borrowings under these credit facilities as of December 31, 2021. In support of our risk management program, \$70 million in letters of credit under the secured receivables credit facility were outstanding as of December 31, 2021. During the fourth quarter of 2021, we amended both our \$600 million secured receivables credit facility and our \$750 million senior unsecured revolving credit facility to extend the maturity dates for each underlying commitment, while maintaining the borrowing capacity. The secured receivables credit facility includes a \$250 million loan commitment which matures in October 2022, and a \$250 million loan commitment and a \$100 million letter of credit facility which mature in October 2023. The senior unsecured revolving credit facility matures in November 2026. For further details regarding our credit facilities, see Note 13 to the audited consolidated financial statements.

Our secured receivables credit facility is subject to customary affirmative and negative covenants, and certain financial covenants with respect to the receivables that comprise the borrowing base and secure the borrowings under the facility. Our senior unsecured revolving credit facility is also subject to certain financial covenants and limitations on indebtedness. As of December 31, 2021, we were in compliance with all such applicable financial covenants.

We have assessed the impact of the cessation of LIBOR and have identified and evaluated financial instruments and other contracts that refer to LIBOR. Our underlying exposure to LIBOR includes our existing credit facilities (see discussion above) under which we had no outstanding borrowings as of December 31, 2021. We expect to be able to transition all LIBOR-based instruments and contracts to an alternative reference rate on or before the cessation of LIBOR and we do not believe that the cessation of LIBOR, or its replacement with an alternative reference rate or rates, will have a material impact on us.

We believe that our cash and cash equivalents and cash from operations, together with our borrowing capacity under our credit facilities, will provide sufficient financial flexibility to fund seasonal and other working capital requirements, capital expenditures, debt service requirements and other obligations, cash dividends on common shares, share repurchases and additional growth opportunities for the foreseeable future. However, should it become necessary, we believe that our credit profile should provide us with access to additional financing in order to fund normal business operations, make interest payments, fund growth opportunities and satisfy upcoming debt maturities.

### **Impact of New Accounting Standards**

The adoption of new accounting standards is discussed in Note 2 to the audited consolidated financial statements.

The impacts of recent accounting pronouncements not yet effective on our audited consolidated financial statements are discussed in Note 2 to the audited consolidated financial statements.

## REPORT OF MANAGEMENT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

The management of the Company, including its Chief Executive Officer and Chief Financial Officer, is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934, as amended. Management assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2021 based on criteria for effective internal control over financial reporting described in "*Internal Control - Integrated Framework (2013)*" issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on this assessment, management has determined that the Company's internal control over financial reporting as of December 31, 2021 is effective.

The 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 accounting principles generally accepted in the United States of America. Internal control over financial reporting includes 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 accounting principles generally accepted in the United States of America, and that receipts and expenditures of the Company are being made only in accordance with authorization of management and directors of the Company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of assets that could have a material effect on the consolidated 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.

PricewaterhouseCoopers LLP, the independent registered public accounting firm that audited the financial statements included in this annual report, audited the Company's internal control over financial reporting as of December 31, 2021 and issued their audit report on the Company's internal control over financial reporting included herein.

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

To the Board of Directors and Stockholders of Quest Diagnostics Incorporated

### ***Opinions on the Financial Statements and Internal Control over Financial Reporting***

We have audited the accompanying consolidated balance sheets of Quest Diagnostics Incorporated and its subsidiaries (the “Company”) as of December 31, 2021 and 2020, and the related consolidated statements of operations, comprehensive income, stockholders’ equity and cash flows for each of the three years in the period ended December 31, 2021, including the related notes and financial statement schedule of valuation accounts and reserves for each of the three years in the period ended December 31, 2021 listed in the index appearing under Item 15(a)(2) (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of December 31, 2021, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2021 and 2020, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2021 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2021, based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO.

### ***Basis for Opinions***

The Company's management is responsible for these consolidated financial statements, 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 Report of Management on Internal Control Over Financial Reporting. Our responsibility is to express opinions on the Company’s consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

### ***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 (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) 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 (iii) 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.

***Critical Audit Matters***

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) 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 financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

*Valuation of Diagnostic Information Services (DIS) Business Accounts Receivable - Contractual Allowances*

As described in Note 3 to the consolidated financial statements, management estimates the amount of consideration it expects to be entitled to receive from customer groups in exchange for providing services using the portfolio approach. These estimates include the impact of contractual allowances (including payer denials) and patient price concessions. The portfolio approach includes the following groups of customers: healthcare insurers, government payers, client payers and patients (32%, 6%, 38% and 21% of consolidated net accounts receivable as of December 31, 2021, respectively, as disclosed by management). The DIS business accounted for 97% of consolidated net accounts receivable (\$1,438 million) as of December 31, 2021. Net revenues and accounts receivable recognized from healthcare insurers and government payers consist of amounts billed net of contractual allowances for differences between amounts billed and the estimated consideration the Company expects to receive from such payers, which considers historical denial and collection experience and, additionally for healthcare insurers, the terms of the Company's contractual arrangements. As disclosed by management, the process for estimating revenues and the ultimate collection of receivables associated with the DIS business involves significant assumptions and judgments.

The principal considerations for our determination that performing procedures relating to the valuation of DIS business accounts receivable - contractual allowances is a critical audit matter are the estimate of net collectible accounts receivable, specifically contractual allowances, involves significant judgment and estimation on the part of management; this in turn led to significant auditor judgment, subjectivity and effort in performing procedures to evaluate the audit evidence related to the contractual allowances.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the valuation of DIS business accounts receivable, which included controls over management's methodology and data used to estimate contractual allowances. These procedures also included, among others, testing management's process for developing the estimate for contractual allowances, including (i) evaluating the appropriateness of the methodology, (ii) testing the completeness and accuracy of the historical contractual allowance and collection data from the Company's billing system, which is an input to the methodology, and (iii) evaluating the reasonableness of management's assumptions used to estimate contractual allowances by comparing actual cash collected to the prior year estimate (net accounts receivable).

/s/ PricewaterhouseCoopers LLP

Florham Park, New Jersey  
February 28, 2022

We have served as the Company's auditor since 1995.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
**DECEMBER 31, 2021 AND 2020**  
(in millions, except per share data)

	<b>2021</b>	<b>2020</b>
<b><u>Assets</u></b>		
<b>Current assets:</b>		
Cash and cash equivalents	\$ 872	\$ 1,158
Accounts receivable, net of allowance for credit losses of \$31 and \$28 as of December 31, 2021 and 2020, respectively	1,438	1,520
Inventories	208	223
Prepaid expenses and other current assets	223	157
Total current assets	2,741	3,058
<b>Property, plant and equipment, net</b>	1,707	1,627
<b>Operating lease right-of-use assets</b>	597	604
<b>Goodwill</b>	7,095	6,873
<b>Intangible assets, net</b>	1,167	1,167
<b>Investments in equity method investees</b>	141	521
<b>Other assets</b>	163	176
<b>Total assets</b>	\$ 13,611	\$ 14,026
 <b><u>Liabilities and Stockholders' Equity</u></b>		
<b>Current liabilities:</b>		
Accounts payable and accrued expenses	\$ 1,600	\$ 1,633
Current portion of long-term debt	2	2
Current portion of long-term operating lease liabilities	151	141
Total current liabilities	1,753	1,776
<b>Long-term debt</b>	4,010	4,013
<b>Long-term operating lease liabilities</b>	494	499
<b>Other liabilities</b>	792	847
<b>Commitments and contingencies</b>		
<b>Redeemable noncontrolling interest</b>	79	82
<b>Stockholders' equity:</b>		
Quest Diagnostics stockholders' equity:		
Common stock, par value \$0.01 per share; 600 shares authorized as of both December 31, 2021 and 2020; 162 and 217 shares issued as of December 31, 2021 and 2020, respectively	2	2
Additional paid-in capital	2,260	2,841
Retained earnings	7,649	9,303
Accumulated other comprehensive loss	(14)	(21)
Treasury stock, at cost; 43 and 84 shares as of December 31, 2021 and 2020, respectively	(3,453)	(5,366)
Total Quest Diagnostics stockholders' equity	6,444	6,759
Noncontrolling interests	39	50
Total stockholders' equity	6,483	6,809
<b>Total liabilities and stockholders' equity</b>	\$ 13,611	\$ 14,026

The accompanying notes are an integral part of these statements.



**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
**FOR THE YEARS ENDED DECEMBER 31, 2021, 2020 AND 2019**  
(in millions, except per share data)

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Net revenues</b>	\$ 10,788	\$ 9,437	\$ 7,726
<b>Operating costs and expenses and other operating expense (income):</b>			
Cost of services	6,579	5,804	5,037
Selling, general and administrative	1,727	1,550	1,457
Amortization of intangible assets	103	103	96
Other operating (income) expense, net	(2)	9	(95)
Total operating costs and expenses, net	<u>8,407</u>	<u>7,466</u>	<u>6,495</u>
<b>Operating income</b>	2,381	1,971	1,231
<b>Other income (expense):</b>			
Interest expense, net	(151)	(163)	(175)
Other income, net	369	76	20
Total non-operating income (expense), net	<u>218</u>	<u>(87)</u>	<u>(155)</u>
<b>Income from continuing operations before income taxes and equity in earnings of equity method investees</b>	2,599	1,884	1,076
<b>Income tax expense</b>	(597)	(460)	(247)
<b>Equity in earnings of equity method investees, net of taxes</b>	78	75	57
<b>Income from continuing operations</b>	<u>2,080</u>	<u>1,499</u>	<u>886</u>
<b>Income from discontinued operations, net of taxes</b>	—	—	20
<b>Net income</b>	<u>2,080</u>	<u>1,499</u>	<u>906</u>
<b>Less: Net income attributable to noncontrolling interests</b>	85	68	48
<b>Net income attributable to Quest Diagnostics</b>	<u>\$ 1,995</u>	<u>\$ 1,431</u>	<u>\$ 858</u>
<b>Amounts attributable to Quest Diagnostics' common stockholders:</b>			
Income from continuing operations	\$ 1,995	\$ 1,431	\$ 838
Income from discontinued operations, net of taxes	—	—	20
Net income	<u>\$ 1,995</u>	<u>\$ 1,431</u>	<u>\$ 858</u>
<b>Earnings per share attributable to Quest Diagnostics' common stockholders - basic:</b>			
Income from continuing operations	\$ 15.85	\$ 10.62	\$ 6.21
Income from discontinued operations	—	—	0.15
Net income	<u>\$ 15.85</u>	<u>\$ 10.62</u>	<u>\$ 6.36</u>
<b>Earnings per share attributable to Quest Diagnostics' common stockholders - diluted:</b>			
Income from continuing operations	\$ 15.55	\$ 10.47	\$ 6.13
Income from discontinued operations	—	—	0.15
Net income	<u>\$ 15.55</u>	<u>\$ 10.47</u>	<u>\$ 6.28</u>

The accompanying notes are an integral part of these statements.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**  
**FOR THE YEARS ENDED DECEMBER 31, 2021, 2020 AND 2019**  
**(in millions)**

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Net income</b>	\$ 2,080	\$ 1,499	\$ 906
<b>Other comprehensive income (loss):</b>			
Foreign currency translation adjustment	13	15	7
Net change in available-for-sale debt securities, net of taxes	(7)	—	8
Net deferred gain on cash flow hedges, net of taxes	1	3	5
Other comprehensive income	<u>7</u>	<u>18</u>	<u>20</u>
<b>Comprehensive income</b>	2,087	1,517	926
<b>Less: Comprehensive income attributable to noncontrolling interests</b>	85	68	48
<b>Comprehensive income attributable to Quest Diagnostics</b>	<u>\$ 2,002</u>	<u>\$ 1,449</u>	<u>\$ 878</u>

The accompanying notes are an integral part of these statements.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
**FOR THE YEARS ENDED DECEMBER 31, 2021, 2020 AND 2019**  
(in millions)

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Cash flows from operating activities:</b>			
Net income	\$ 2,080	\$ 1,499	\$ 906
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	408	361	329
Provision for credit losses	4	19	11
Deferred income tax (benefit) provision	(57)	85	15
Stock-based compensation expense	79	97	56
Gain on disposition of joint venture	(314)	—	—
Losses (gains) on sale of property, plant and equipment	9	3	(70)
Other, net	(63)	(81)	(39)
Changes in operating assets and liabilities:			
Accounts receivable	81	(455)	(63)
Accounts payable and accrued expenses	35	452	73
Income taxes payable	(20)	22	29
Termination of interest rate swap agreements	—	40	—
Other assets and liabilities, net	(9)	(37)	(4)
<b>Net cash provided by operating activities</b>	<u>2,233</u>	<u>2,005</u>	<u>1,243</u>
<b>Cash flows from investing activities:</b>			
Business acquisitions, net of cash acquired	(331)	(330)	(58)
Proceeds from disposition of joint venture	755	—	—
Proceeds from disposition of property, plant, and equipment	3	3	91
Capital expenditures	(403)	(418)	(400)
Increase in investments and other assets, net	(3)	(27)	(44)
<b>Net cash provided by (used in) investing activities</b>	<u>21</u>	<u>(772)</u>	<u>(411)</u>
<b>Cash flows from financing activities:</b>			
Proceeds from borrowings	—	749	2,281
Repayments of debt	(2)	(1,554)	(1,449)
Purchases of treasury stock	(2,199)	(325)	(353)
Exercise of stock options	129	189	119
Employee payroll tax withholdings on stock issued under stock-based compensation plans	(22)	(15)	(16)
Dividends paid	(309)	(297)	(286)
Distributions to noncontrolling interest partners	(99)	(58)	(54)
Other financing activities, net	(38)	44	(17)
<b>Net cash (used in) provided by financing activities</b>	<u>(2,540)</u>	<u>(1,267)</u>	<u>225</u>
<b>Net change in cash and cash equivalents and restricted cash</b>	(286)	(34)	1,057
<b>Cash and cash equivalents and restricted cash, beginning of year</b>	<u>1,158</u>	<u>1,192</u>	<u>135</u>
<b>Cash and cash equivalents and restricted cash, end of year</b>	<u>\$ 872</u>	<u>\$ 1,158</u>	<u>\$ 1,192</u>

The accompanying notes are an integral part of these statements.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
**FOR THE YEARS ENDED DECEMBER 31, 2021, 2020 AND 2019**  
**(in millions)**

	Quest Diagnostics Stockholders' Equity							Redeemable Non- controlling Interest	
	Shares of Common Stock Out- standing	Common Stock	Additional Paid-In Capital	Retained Earnings	Accumulated Other Comprehensive Loss	Treasury Stock, at Cost	Non- controlling Interests		Total Stock- holders' Equity
<b>Balance, December 31, 2018</b>	135	\$ 2	\$ 2,667	\$ 7,602	\$ (59)	\$ (4,996)	\$ 51	\$ 5,267	\$ 77
Net income				858			42	900	6
Other comprehensive income, net of tax					20			20	
Dividends declared				(286)				(286)	
Distributions to noncontrolling interest partners							(47)	(47)	(7)
Issuance of common stock under benefit plans			9			15		24	
Stock-based compensation expense			55			1		56	
Exercise of stock options	2		7			112		119	
Shares to cover employee payroll tax withholdings on stock issued under stock-based compensation plans			(16)					(16)	
Purchases of treasury stock	(4)					(350)		(350)	
<b>Balance, December 31, 2019</b>	133	\$ 2	\$ 2,722	\$ 8,174	\$ (39)	\$ (5,218)	\$ 46	\$ 5,687	\$ 76
Net income				1,431			53	1,484	15
Other comprehensive income, net of tax					18			18	
Dividends declared				(302)				(302)	
Distributions to noncontrolling interest partners							(49)	(49)	(9)
Issuance of common stock under benefit plans	1		11			14		25	
Stock-based compensation expense			97					97	
Exercise of stock options	2		26			163		189	
Shares to cover employee payroll tax withholdings on stock issued under stock-based compensation plans			(15)					(15)	
Purchases of treasury stock	(3)					(325)		(325)	
<b>Balance, December 31, 2020</b>	133	\$ 2	\$ 2,841	\$ 9,303	\$ (21)	\$ (5,366)	\$ 50	\$ 6,809	\$ 82
Net income				1,995			72	2,067	13
Other comprehensive income, net of tax					7			7	
Dividends declared				(307)				(307)	
Distributions to noncontrolling interest partners							(83)	(83)	(16)
Issuance of common stock under benefit plans			(21)			47		26	
Stock-based compensation expense			79					79	
Exercise of stock options	2		20			109		129	
Shares to cover employee payroll tax withholdings on stock issued under stock-based compensation plans			(10)			(12)		(22)	
Purchases of treasury stock	(16)					(2,222)		(2,222)	
Retirement of treasury stock			(649)	(3,342)		3,991		—	
<b>Balance, December 31, 2021</b>	119	\$ 2	\$ 2,260	\$ 7,649	\$ (14)	\$ (3,453)	\$ 39	\$ 6,483	\$ 79

The accompanying notes are an integral part of these statements.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**(in millions unless otherwise indicated)**

**1. DESCRIPTION OF BUSINESS**

***Background***

Quest Diagnostics Incorporated and its subsidiaries ("Quest Diagnostics" or the "Company") empower people to take action to improve health outcomes. The Company uses its extensive database of clinical lab results to derive diagnostic insights that reveal new avenues to identify and treat disease, inspire healthy behaviors and improve healthcare management. The Company's diagnostic information services business ("DIS") provides information and insights based on the industry-leading menu of routine, non-routine and advanced clinical testing and anatomic pathology testing, and other diagnostic information services. The Company provides services to a broad range of customers, including patients, clinicians, hospitals, independent delivery networks ("IDNs"), health plans, employers, accountable care organizations ("ACOs"), and direct contract entities ("DCEs"). The Company offers the broadest access in the United States to diagnostic information services through its nationwide network of laboratories, patient service centers and phlebotomists in physician offices and the Company's connectivity resources, including call centers and mobile paramedics, nurses and other health and wellness professionals. The Company is the world's leading provider of diagnostic information services. The Company provides interpretive consultation with one of the largest medical and scientific staffs in the industry. The Company's Diagnostic Solutions businesses ("DS") are the leading provider of risk assessment services for the life insurance industry and offer healthcare organizations and clinicians robust information technology solutions.

**2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

***Principles of Consolidation***

The consolidated financial statements include the accounts of all entities controlled by the Company through its direct or indirect ownership of a majority voting interest. Additionally, the consolidated financial statements include the accounts of variable interest entities ("VIEs") in which the Company has a variable interest and for which the Company is the "primary beneficiary" as it has both: (1) the power to direct the activities of the VIE that most significantly impact the VIE's economic performance and (2) the obligation to absorb losses of the VIE that potentially could be significant to the VIE or the right to receive benefits from the VIE that potentially could be significant to the VIE. All significant intercompany accounts and transactions are eliminated in consolidation.

Income attributable to the minority interest in the Company's majority owned and controlled consolidated subsidiaries is recorded as net income attributable to noncontrolling interests in the consolidated statements of operations and the noncontrolling interest is reflected as a separate component of consolidated stockholders' equity in the consolidated balance sheet.

***Basis of Presentation***

During the third quarter of 2006, the Company completed the wind down of Nichols Institute Diagnostics ("NID"), a test kit manufacturing subsidiary. The accompanying consolidated statements of operations and related disclosures report the results of NID as discontinued operations through 2019, at which point certain income tax contingencies related to NID were resolved. See Note 20 for a further discussion of discontinued operations.

***Equity Method Investments***

Investments in entities which the Company does not control, but in which it has a substantial ownership interest (generally between 20% and 49%) and can exercise significant influence, are accounted for using the equity method of accounting. These investments are classified as investments in equity method investees in the consolidated balance sheet. The Company records its pro rata share of the earnings, adjusted for accretion of basis difference, of these investments in equity in earnings of equity method investees, net of taxes in the consolidated statements of operations. The Company reviews its investments in equity method investees for impairment whenever events or changes in circumstances indicate that the carrying amounts may not be recoverable.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
**(in millions unless otherwise indicated)**

*Use of Estimates*

The preparation of financial statements in conformity with accounting principles generally accepted in the United States (“GAAP”) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

*Revenue Recognition*

The Company recognizes as revenue the amount that reflects the consideration to which it expects to be entitled in exchange for goods sold or services rendered primarily upon completion of the testing process (when results are reported) or when services have been rendered (see Note 3). Net revenues from Medicare and Medicaid programs were approximately 10%, 11% and 15% of the Company's consolidated net revenues for the years ended December 31, 2021, 2020 and 2019, respectively.

*Taxes on Income*

The provision for income taxes represents income taxes paid or payable for the current year plus the change in deferred taxes during the year. Current and deferred income taxes are measured based on the tax laws that are enacted as of the balance sheet date of the relevant reporting period. Deferred tax assets and liabilities are recognized for the expected future tax consequences of differences between the carrying amounts of assets and liabilities and their respective tax bases using tax rates in effect for the year in which the differences are expected to reverse. A valuation allowance is provided when it is more likely than not that some portion or all of the deferred tax assets will not be realized. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period when the change is enacted. Tax benefits from uncertain tax positions are recognized only if the tax position is more likely than not to be sustained upon examination by taxing authorities based on the technical merits of the position.

*Earnings Per Share*

The Company's unvested restricted stock units that contain non-forfeitable rights to dividends are participating securities and, therefore, are included in the earnings allocation in computing earnings per share using the two-class method. Basic earnings per common share is calculated by dividing net income attributable to Quest Diagnostics, adjusted for earnings allocated to participating securities, by the weighted average number of common shares outstanding. Diluted earnings per common share is calculated by dividing net income attributable to Quest Diagnostics, adjusted for earnings allocated to participating securities, by the weighted average number of common shares outstanding after giving effect to all potentially dilutive common shares outstanding during the period. Potentially dilutive common shares include the dilutive effect of outstanding stock options and performance share units granted under the Company's Amended and Restated Employee Long-Term Incentive Plan (“ELTIP”) and its Amended and Restated Non-Employee Director Long-Term Incentive Plan (“DLTIP”), as well as the dilutive effect of accelerated share repurchase agreements (“ASRs”), if applicable. Earnings allocable to participating securities include the portion of dividends declared as well as the portion of undistributed earnings during the period allocable to participating securities.



**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
**(in millions unless otherwise indicated)**

***Stock-Based Compensation***

The Company measures stock-based compensation for equity awards at fair value on the date of grant and records stock-based compensation as a charge to earnings net of the estimated impact of forfeited awards. As such, the Company recognizes stock-based compensation cost only for those stock-based awards that are estimated to ultimately vest over their requisite service period, based on the vesting provisions of the individual grants. The cumulative effect on current and prior periods of a change in the estimated forfeiture rate is recognized as compensation cost in earnings in the period of the change. The terms of the Company's performance share units allow the recipients of such awards to earn a variable number of shares based on the achievement of the performance goals, which are based on the financial performance of the Company and the total shareholder return of the Company relative to an index of peer companies ("relative TSR"), specified in the awards. For performance share units with a goal based on the financial performance of the Company, stock-based compensation expense is recognized based on management's best estimates of the achievement of the performance goals specified in such awards and the resulting number of shares that will be earned. The cumulative effect on current and prior periods of a change in the estimated number of performance share units expected to be earned for these awards is recognized as compensation cost in earnings in the period of the change. For performance share units with a market-based relative TSR goal, stock-based compensation expense is recognized based on the estimated fair value of the award regardless of the actual number of shares earned. For further details regarding stock-based compensation, see Note 17.

***Fair Value Measurements***

The Company determines fair value measurements used in its consolidated financial statements based upon the exit price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants exclusive of any transaction costs, as determined by either the principal market or the most advantageous market.

Inputs used in the valuation techniques to derive fair values are classified based on a three-level hierarchy. The basis for fair value measurements for each level within the hierarchy is described below with Level 1 having the highest priority and Level 3 having the lowest.

Level 1: Quoted prices in active markets for identical assets or liabilities.

Level 2: Quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs are observable in active markets.

Level 3: Valuations derived from valuation techniques in which one or more significant inputs are unobservable.

***Foreign Currency***

The Company predominately uses the U.S. dollar as its functional currency. The functional currency of the Company's foreign operating subsidiaries generally is the applicable local currency. Assets and liabilities denominated in non-U.S. dollars are translated into U.S. dollars at exchange rates as of the end of the reporting period. Income and expense items are translated at the average monthly exchange rates during the year. Resulting translation adjustments are recorded as a component of accumulated other comprehensive loss within stockholders' equity. Gains and losses from foreign currency transactions, which are denominated in a currency other than the functional currency, are included within other operating (income) expense, net in the consolidated statements of operations. Foreign currency transaction gains and losses have historically not been material. The Company may be exposed to market risk for changes in foreign exchange rates primarily under certain intercompany receivables and payables. From time to time, the Company uses foreign exchange forward contracts to mitigate the exposure of the eventual net cash inflows or outflows resulting from these intercompany transactions. The Company's foreign exchange exposure is not material to the Company's consolidated financial condition. The Company does not hedge its net investment in non-U.S. subsidiaries because it views those investments as long-term in nature.

***Cash and Cash Equivalents***

Cash and cash equivalents include all highly-liquid investments with original maturities, at the time acquired by the Company, of three months or less.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
**(in millions unless otherwise indicated)**

***Concentration of Credit Risk***

Financial instruments that potentially subject the Company to concentrations of credit risk are principally cash, cash equivalents, short-term investments, accounts receivable and derivative financial instruments. The Company's policy is to place its cash, cash equivalents and short-term investments in highly-rated financial instruments and institutions. Concentration of credit risk with respect to accounts receivable is mitigated by the diversity of the Company's payers and their dispersion across many different geographic regions, and credit risk is concentrated among certain payers who are large buyers of the Company's services. To reduce risk, the Company routinely assesses the financial strength of these payers and, consequently, believes that its accounts receivable credit risk exposure, with respect to these payers, is limited. While the Company has receivables due from federal and state governmental agencies, the Company does not believe that such receivables represent a credit risk since the related healthcare programs are funded by federal and state governments, and payment is primarily dependent on submitting appropriate documentation timely. As of both December 31, 2021 and 2020, receivables due from government payers under the Medicare and Medicaid programs represented approximately 6% of the Company's consolidated net accounts receivable. The portion of the Company's accounts receivable due from patients comprises the largest portion of credit risk. As of December 31, 2021 and 2020, receivables due from patients represented approximately 21% and 11%, respectively, of the Company's consolidated net accounts receivable. The Company applies assumptions and judgments including historical collection experience (including the period of time that the receivables have been outstanding) for assessing collectability and determining net revenues and accounts receivable from patients.

***Accounts Receivable and Allowance for Credit Losses***

Accounts receivable are reported net of allowances for credit losses.

When estimating its allowance for credit losses, the Company pools its trade receivables based on the following customer types: healthcare insurers, government payers, client payers and patients, which are described in Note 3. The Company principally estimates the allowance for credit losses by pool based on historical collection experience, the current credit worthiness of the customers, current economic conditions, expectations of future economic conditions and the period of time that the receivables have been outstanding. To the extent that any individual payers are identified that have deteriorated in credit quality, the Company removes the customers from their respective pools and establishes allowances based on the individual risk characteristics of such customers.

***Inventories***

Inventories, which consist principally of finished goods testing supplies and reagents, are valued at the lower of cost (first in, first out method) or net realizable value.

***Property, Plant and Equipment***

Property, plant and equipment is recorded at cost. Major renewals and improvements are capitalized, while maintenance and repairs are expensed as incurred. Costs incurred for computer software developed or obtained for internal use are capitalized for application development activities and expensed as incurred for preliminary project activities and post-implementation activities. Capitalized costs include external direct costs of materials and services consumed in developing or obtaining internal-use software, payroll and payroll-related costs for employees who are directly associated with the internal-use software project, and interest costs incurred, when material, while developing internal-use software. Capitalization of such costs ceases when the project is substantially complete and ready for its intended purpose. Costs for maintenance and training are expensed as incurred. The Company capitalizes interest on borrowings during the active construction period of major capital projects. Capitalized interest is added to the cost of the underlying assets and is amortized over the expected useful lives of the assets. Depreciation and amortization are provided on the straight-line method over expected useful asset lives as of December 31, 2021 as follows:

- buildings and improvements, ranging up to thirty-one and a half years;
- laboratory equipment and furniture and fixtures, ranging from five to twelve years;
- leasehold improvements, the lesser of the useful life of the improvement or the remaining life of the building or lease, as applicable; and
- computer software developed or obtained for internal use, five to ten years.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
**(in millions unless otherwise indicated)**

***Goodwill***

Goodwill represents the excess of the fair value of the acquiree (including the fair value of non-controlling interests) over the recognized bases of the net identifiable assets acquired and includes the future economic benefits from other assets that could not be individually identified and separately recognized. Goodwill is not amortized, but instead is periodically reviewed for impairment and an impairment charge is recorded in the periods in which the recorded carrying value of goodwill exceeds its fair value.

On a quarterly basis, the Company performs a review of its business to determine if events or changes in circumstances have occurred which could have a material adverse effect on the fair value of the Company and its goodwill. If such events or changes in circumstances were deemed to have occurred, the Company would perform an impairment test of goodwill as of the end of the quarter and record any noted impairment loss.

The goodwill test is performed at least annually, or more frequently if events or changes in circumstances indicate that the asset might be impaired. The annual impairment test includes an option to perform a qualitative assessment of whether it is more likely than not that a reporting unit's fair value is less than its carrying value; the qualitative test may be performed prior to, or as an alternative to, performing a quantitative goodwill impairment test. If, after assessing the totality of events or circumstances, the Company determines that it is more likely than not that the fair value of a reporting unit is less than its carrying value, then the Company is required to perform the quantitative goodwill impairment test. Otherwise, no further analysis is required. Additionally, the Company's policy is to update the fair value calculation of its reporting units and perform the quantitative goodwill impairment test on a periodic basis.

The quantitative impairment test involves the comparison of the fair value of the reporting unit to its carrying value. The Company calculates the fair value of each reporting unit using either (i) a discounted cash flows analysis that converts future cash flow amounts into a single discounted present value amount or (ii) a market approach. The Company assesses the valuation methodology based upon the relevance and availability of the data at the time that the valuation is performed. The Company compares the estimate of fair value for the reporting unit to the carrying value of the reporting unit. If the carrying value is greater than the estimate of fair value, an impairment loss will be recognized in the amount of the excess.

The Company performs its annual impairment test during the fourth quarter of the fiscal year. For the year ended December 31, 2021, the Company performed a qualitative impairment test and, based on the totality of information available for the reporting units, the Company concluded that it was more-likely-than-not that the estimated fair values of the reporting units were greater than the carrying values of the reporting units and, as such, no further analysis was required. For the year ended December 31, 2020, in accordance with its policy to perform the quantitative test on a periodic basis, the Company updated the fair value calculation of its reporting units, performed the quantitative impairment test and concluded that goodwill was not impaired.

***Intangible Assets***

Intangible assets are recognized at fair value, as an asset apart from goodwill if the asset (i) arises from contractual or other legal rights, or (ii) is separable. Intangible assets, principally representing the cost of customer-related intangibles, non-competition agreements and technology acquired, are capitalized and amortized on the straight-line method over their expected useful lives, which generally range from five to twenty years. Intangible assets with indefinite useful lives, consisting principally of acquired tradenames, are not amortized, but instead are periodically reviewed for impairment.

The Company reviews indefinite-lived intangible assets periodically for impairment and an impairment charge is recorded in the periods in which the recorded carrying value of an indefinite-lived intangible asset is more than its estimated fair value. The indefinite-lived intangible asset impairment test is performed at least annually, or more frequently in the case of other events that indicate a potential impairment.

Based upon the Company's most recent annual impairment tests completed during the fourth quarters of the years ended December 31, 2021 and 2020, the Company concluded that indefinite-lived intangible assets were not impaired.

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The Company reviews the recoverability of its long-lived assets (including amortizable intangible assets), other than goodwill and indefinite-lived intangible assets, when events or changes in circumstances occur that indicate that the carrying value of the asset may not be recoverable. Evaluation of possible impairment is based on the Company's ability to recover the asset from the expected future pre-tax cash flows (undiscounted and without interest charges) of the related operations. If these cash flows are less than the carrying amount of such asset, an impairment loss is recognized for the difference between the estimated fair value and carrying amount of the asset.

***Investments***

The Company's investments (except for those accounted for under the equity method of accounting) include:

- Equity investments with readily determinable fair values, including investments comprised mostly of strategic holdings in companies concentrated in the life sciences and healthcare industries (such investments, which previously did not have readily determinable fair values, became publicly-traded during the year ended December 31, 2021); as well as participant-directed investments of deferred employee compensation and related Company matching contributions held in trusts pursuant to the Company's supplemental deferred compensation plans (see Note 17). These investments are measured at fair value with both realized and unrealized gains and losses recorded in current earnings within other income, net in the consolidated statements of operations. For the years ended December 31, 2021, 2020 and 2019, gains from all equity investments with readily determinable fair values totaled \$56 million, \$8 million, and \$10 million, respectively. The carrying values of these investments was \$121 million at December 31, 2021, of which \$44 million was included in prepaid expenses and other current assets and \$77 million was included in other assets in the consolidated balance sheet. The carrying values of these investments was \$67 million at December 31, 2020, which was included in other assets in the consolidated balance sheet.
- Equity investments that do not have readily determinable fair values, which consist of investments in preferred and common shares of privately held companies. These investments are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes. The Company regularly evaluates these equity investments to determine if there are any indicators that the investment is impaired; no impairment charges were recognized related to these investments for the years ended December 31, 2021, 2020 and 2019. The carrying value of these investments was \$4 million and \$25 million at December 31, 2021 and 2020, respectively. Such amounts were included in other assets in the consolidated balance sheet.
- Available-for-sale debt securities of privately-held companies. These investments are measured at fair value with unrealized gains and losses presented in other comprehensive income (loss). The carrying amount of these investments was \$1 million and \$12 million at December 31, 2021 and 2020, respectively. Such amounts were included in other assets in the consolidated balance sheet.

***Derivative Financial Instruments***

The Company uses derivative financial instruments, from time to time, to manage its exposure to market risks for changes in interest rates and foreign currencies. This strategy includes the use of interest rate swap agreements, forward-starting interest rate swap agreements, interest rate lock agreements and foreign currency forward contracts to manage its exposure to movements in interest and currency rates. The Company has established policies and procedures for risk assessment and the approval, reporting and monitoring of derivative financial instrument activities. These policies prohibit holding or issuing derivative financial instruments for speculative purposes. The Company does not enter into derivative financial instruments that contain credit risk-related contingent features or requirements to post collateral.

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***Interest Rate Risk***

The Company is exposed to interest rate risk on its cash and cash equivalents and its debt obligations. Interest income earned on cash and cash equivalents may fluctuate as interest rates change; however, due to their relatively short maturities, the Company does not hedge these assets or their investment cash flows and the impact of interest rate risk is not material. The Company's debt obligations consist of fixed-rate debt instruments and, from time to time, variable-rate debt instruments. The Company's primary objective is to achieve the lowest overall cost of funding while managing the variability in cash outflows within an acceptable range. In order to achieve this objective, the Company has historically entered into interest rate swap agreements. Interest rate swap agreements involve the periodic exchange of payments without the exchange of underlying principal or notional amounts. Net settlements between the counterparties are recognized as an adjustment to interest expense, net.

The Company accounts for these derivatives as either an asset or liability measured at its fair value. The fair value is based upon model-derived valuations in which all significant inputs are observable in active markets including certain financial information and certain assumptions regarding past, present and future market conditions. For a derivative instrument that has been formally designated as a fair value hedge, fair value gains or losses on the derivative instrument along with offsetting fair value gains or losses on the hedged item that are attributable to the risk being hedged are reported in other income, net in the consolidated statements of operations. For derivatives that have been formally designated as a cash flow hedge, the change in the fair value of the derivatives is recorded in accumulated other comprehensive loss. Upon maturity or early termination of an effective interest rate swap agreement designated as a cash flow hedge, unrealized gains or losses are deferred in stockholders' equity, as a component of accumulated other comprehensive loss, and are amortized as an adjustment to interest expense over the period during which the hedged forecasted transaction affects earnings, which is when the Company recognizes interest expense on the hedged cash flows. At inception and quarterly thereafter, the Company formally assesses whether the derivatives that are used in hedging transactions are highly effective in offsetting changes in the fair value or cash flows of the hedged item. After the initial quantitative assessment, this analysis is initially performed on a qualitative basis and, if it is determined that the hedging relationship was and continues to be highly effective, no further analysis is required. All components of each derivative financial instrument's gain or loss are included in the assessment of hedge effectiveness. If it is determined that a derivative ceases to be a highly effective hedge, the Company discontinues hedge accounting and any deferred gains or losses related to a discontinued cash flow hedge shall continue to be reported in accumulated other comprehensive loss, unless it is probable that the forecasted transaction will not occur. If it is probable that the forecasted transaction will not occur by the originally specified time period, the Company discontinues hedge accounting and any deferred gains or losses reported in accumulated other comprehensive loss are classified into earnings immediately.

***Comprehensive Income (Loss)***

Comprehensive income (loss) encompasses all changes in stockholders' equity (except those arising from transactions with stockholders) and includes:

- Foreign currency translation adjustments;
- Net deferred gains (losses) on cash flow hedges, which represent deferred gains (losses), net of tax, on interest rate-related derivative financial instruments designated as cash flow hedges, net of amounts reclassified to interest expense (see Notes 15 and 16); and
- Net changes in available-for-sale debt securities, which represent unrealized holding gains (losses), net of tax, on available-for-sale debt securities.

***Advertising Costs***

Advertising costs are expensed as incurred. For the years ended December 31, 2021, 2020 and 2019, advertising costs were \$78 million, \$38 million and \$18 million, respectively.

***New Accounting Standards***

***New Accounting Standards To Be Adopted***

In March 2020, the Financial Accounting Standards Board issued a new accounting standard which provides temporary optional guidance to ease the potential burden in accounting for reference rate reform due to the risk of cessation of



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the London Interbank Offered Rate ("LIBOR"). The amendments apply only to contracts, hedging relationships, and other transactions that reference LIBOR or another reference rate expected to be discontinued because of reference rate reform. The pronouncement is effective immediately and can be applied through December 31, 2022. The adoption of this standard is not expected to have a material impact on the Company's consolidated results of operations, financial position or cash flows.

**3. REVENUE RECOGNITION**

*DIS*

Net revenues in the Company's DIS business accounted for greater than 95% of the Company's consolidated net revenues for the years ended December 31, 2021, 2020 and 2019 and are primarily comprised of a high volume of relatively low-dollar transactions. The DIS business, which provides clinical testing services and other services, satisfies its performance obligation and recognizes revenues primarily upon completion of the testing process (when results are reported) or when services have been rendered. The Company estimates the amount of consideration it expects to be entitled to receive from customer groups in exchange for providing services using the portfolio approach. These estimates include the impact of contractual allowances (including payer denials), and patient price concessions, as discussed below. The portfolios determined using the portfolio approach consist of the following groups of customers: healthcare insurers, government payers (Medicare and Medicaid programs), client payers and patients. Contracts with customers in the DIS business do not contain significant financing components based on the typical period of time between performance of services and collection of consideration.

The process for estimating revenues and the ultimate collection of accounts receivable involves significant judgment and estimation. The Company follows a standard process, which considers historical denial and collection experience and other factors (including the period of time that the receivables have been outstanding), to estimate contractual allowances and implicit price concessions, recording adjustments in the current period as changes in estimates. Further adjustments to the allowances, based on actual receipts, may be recorded upon settlement.

The following are descriptions of the DIS business' portfolios:

*Healthcare Insurers*

Reimbursements from healthcare insurers are based on negotiated fee-for-service schedules and on capitated payment rates. Under fee-for-service arrangements, healthcare insurers are billed at the Company's list price. Net revenues recognized consist of amounts billed net of contractual allowances for differences between amounts billed and the estimated consideration the Company expects to receive from such payers, which considers historical denial and collection experience and the terms of the Company's contractual arrangements.

Collection of the Company's net revenues from healthcare insurers is normally a function of providing complete and correct billing information to the healthcare insurers within the various filing deadlines and generally occurs within 30 to 60 days of billing. Provided the Company has billed healthcare insurers accurately with complete information prior to the established filing deadline, there has historically been little to no credit risk. If there has been a delay in billing, the Company determines if the amounts in question will likely go past the filing deadline, and if so, it will reserve accordingly for the billing.

Under capitated arrangements with healthcare insurers, the Company recognizes revenue based on a predetermined monthly reimbursement rate for each member of an insurer's health plan regardless of the number or cost of services provided by the Company. Healthcare insurers typically reimburse the Company under capitated arrangements in the same month services are performed, essentially giving rise to no outstanding accounts receivable at the end of a reporting period. If any capitated payments are not received on a timely basis, the Company determines the cause and makes a separate determination as to whether or not the collection of the amount from the healthcare insurer is at risk and, if so, would reserve accordingly.

*Government Payers*



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Reimbursements from government payers are based on fee-for-service schedules set by governmental authorities, including traditional Medicare and Medicaid. Net revenues recognized consist of amounts billed net of contractual allowances for differences between amounts billed and the estimated consideration the Company expects to receive from such payers, which considers historical denial and collection experience and other factors.

Collection of the Company's net revenues from government payers is normally a function of providing the complete and correct billing information within the various filing deadlines and generally occurs within 30 days of billing. Provided the Company has billed government payers accurately with complete information prior to the established filing deadline, there has historically been little to no credit risk. If there has been a delay in billing, the Company determines if the amounts in question will likely go past the filing deadline, and, if so, it will reserve for the billing accordingly.

*Client Payers*

Client payers include physicians, hospitals, ACOs, DCEs, IDNs, employers, other commercial laboratories and institutions for which services are performed on a wholesale basis, and are billed based on negotiated fee schedules. Credit risk and ability to pay are more of a consideration for these payers than healthcare insurers and government payers. Collection of consideration the Company expects to receive generally occurs within 60 to 90 days of billing.

The Company principally estimates the allowance for credit losses for client payers based on historical collection experience, the current credit worthiness of the customers, current economic conditions, expectations of future economic conditions and the period of time that the receivables have been outstanding. To the extent that any individual client payers are identified that have deteriorated in credit quality, the Company establishes allowances based on the individual risk characteristics of such customers.

*Patients*

Uninsured patients are billed based on established patient fee schedules or fees negotiated with physicians on behalf of their patients. Insured patients (includes coinsurance and deductible responsibilities) are billed based on fees negotiated with healthcare insurers. Collection of billings from patients is subject to credit risk and ability of the patients to pay. Net revenues consist of amounts billed net of discounts provided to uninsured patients in accordance with the Company's policies and implicit price concessions. Implicit price concessions represent differences between amounts billed and the estimated consideration the Company expects to receive from patients, which considers historical collection experience (including the period of time that the receivables have been outstanding) and other factors including current market conditions. Patient billings are generally fully reserved for when the related service reaches 210 days outstanding. Balances are automatically written off when they are sent to collection agencies. Allowances are further adjusted for estimated recoveries of amounts sent to collection agencies based on historical collection experience, which is regularly monitored. Collection of consideration the Company expects to receive generally occurs within 30 to 60 days of billing.

*DS*

The Company's DS businesses primarily satisfy their performance obligations and recognize revenues when delivery has occurred or services have been rendered. Collection of consideration the Company expects to receive generally occurs within 30 to 60 days of billing.

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The approximate percentage of net revenue by type of customer was as follows:

	<b>Year Ended December 31,</b>		
	<b>2021</b>	<b>2020</b>	<b>2019</b>
Healthcare insurers:			
Fee-for-service	39 %	34 %	33 %
Capitated	3	3	3
Total healthcare insurers	42	37	36
Government payers	10	11	15
Client payers	33	38	32
Patients	12	11	13
Total DIS	97	97	96
DS	3	3	4
Net revenues	100 %	100 %	100 %

For the years ended December 31, 2021, 2020 and 2019, substantially all of the Company's services were provided within the United States, see Note 19.

The approximate percentage of net accounts receivable by type of customer as of December 31, 2021 and 2020 was as follows:

	<b>2021</b>	<b>2020</b>
Healthcare insurers	32%	34%
Government payers	6	6
Client payers	38	46
Patients (including coinsurance and deductible responsibilities)	21	11
Total DIS	97	97
DS	3	3
Net accounts receivable	100%	100%

The following table summarizes the activity for the Company's allowance for credit losses during the years ended December 31, 2021 and 2020, which principally relates to client payers:

	<b>Allowance for Credit Losses</b>
<i>Balance, January 1, 2020</i>	\$ 15
Provision for credit losses	19
Write-offs of accounts receivable, net of recoveries	(6)
<i>Balance, December 31, 2020</i>	28
Provision for credit losses	4
Write-offs of accounts receivable, net of recoveries	(1)
<i>Balance, December 31, 2021</i>	\$ 31

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**4. EARNINGS PER SHARE**

The computation of basic and diluted earnings per common share is as follows (in millions, except per share data):

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Amounts attributable to Quest Diagnostics' common stockholders:</b>			
Income from continuing operations	\$ 1,995	\$ 1,431	\$ 838
Income from discontinued operations, net of taxes	—	—	20
Net income attributable to Quest Diagnostics' common stockholders	<u>\$ 1,995</u>	<u>\$ 1,431</u>	<u>\$ 858</u>
Income from continuing operations	\$ 1,995	\$ 1,431	\$ 838
Less: Earnings allocated to participating securities	7	6	3
Earnings available to Quest Diagnostics' common stockholders – basic and diluted	<u>\$ 1,988</u>	<u>\$ 1,425</u>	<u>\$ 835</u>
Weighted average common shares outstanding – basic	125	134	134
Effect of dilutive securities:			
Stock options and performance share units	3	2	2
Weighted average common shares outstanding – diluted	<u>128</u>	<u>136</u>	<u>136</u>
<b>Earnings per share attributable to Quest Diagnostics' common stockholders - basic:</b>			
Income from continuing operations	\$ 15.85	\$ 10.62	\$ 6.21
Income from discontinued operations	—	—	0.15
Net income	<u>\$ 15.85</u>	<u>\$ 10.62</u>	<u>\$ 6.36</u>
<b>Earnings per share attributable to Quest Diagnostics' common stockholders - diluted:</b>			
Income from continuing operations	\$ 15.55	\$ 10.47	\$ 6.13
Income from discontinued operations	—	—	0.15
Net income	<u>\$ 15.55</u>	<u>\$ 10.47</u>	<u>\$ 6.28</u>

In April 2021, the Company entered into ASRs with several financial institutions to repurchase \$1.5 billion of the Company's common stock as part of the Company's share repurchase program. See Note 16 for further details.

The following securities were not included in the calculation of diluted earnings per share due to their antidilutive effect:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
Stock options and performance share units	—	1	3

**5. BUSINESS ACQUISITIONS**

***2021 Acquisitions***

During 2021, the Company completed acquisitions for an aggregate purchase price of \$336 million, net of cash acquired, including the acquisitions discussed below. The 2021 acquisitions resulted in goodwill of \$228 million, of which \$223 million is deductible for tax purposes. These acquisitions also resulted in \$104 million of intangible assets, principally comprised of customer-related intangible assets.

*Acquisition of the outreach laboratory services business of Mercy Health*

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On June 1, 2021, the Company completed the acquisition of the outreach laboratory services business of Mercy Health ("Mercy Health"), which serves providers and patients in Arkansas, Kansas, Missouri and Oklahoma, in an all-cash transaction for \$225 million. Based on the preliminary purchase price allocation, which may be revised as additional information becomes available during the measurement period, the assets acquired primarily consist of \$54 million of customer-related intangible assets and \$171 million of tax-deductible goodwill. The intangible assets are being amortized over a useful life of 15 years.

*Acquisition of assets of Labtech Diagnostics, LLC ("Labtech")*

On December 13, 2021, the Company completed the acquisition of assets of Labtech, an independent clinical diagnostic laboratory provider serving physicians and patients primarily in South Carolina, North Carolina, Florida and Georgia, in an all cash transaction for \$85 million, which consisted of cash consideration of \$80 million and contingent consideration initially estimated at \$5 million. The contingent consideration arrangement is dependent upon the achievement of certain testing volume benchmarks. Based on the preliminary purchase price allocation, which may be revised as additional information becomes available during the measurement period, the assets acquired and liabilities assumed consist of \$41 million of intangible assets, \$40 million of goodwill (of which \$35 million is tax deductible), \$11 million of property, plant and equipment, \$9 million of finance lease liabilities, \$6 million of operating lease right-of-use assets, \$6 million of operating lease liabilities, and \$2 million of inventories. The intangible assets consist primarily of customer-related assets which are being amortized over a useful life of 15 years.

**2020 Acquisitions**

During 2020, the Company completed acquisitions for an aggregate purchase price of \$330 million, net of cash acquired, including the acquisitions discussed below. The 2020 acquisitions resulted in goodwill of \$247 million, of which \$210 million is deductible for tax purposes. These acquisitions also resulted in \$146 million of intangible assets, principally comprised of customer-related and technology intangible assets. Net revenues attributable to the 2020 acquisitions were \$127 million for the year ended December 31, 2020.

*Acquisition of Blueprint Genetics Oy*

On January 21, 2020, the Company completed the acquisition of Blueprint Genetics Oy ("Blueprint Genetics"), in an all cash transaction for \$108 million, net of \$3 million cash acquired. Blueprint Genetics is a leading specialty genetic testing company with expertise in gene variant interpretation based on next generation sequencing and proprietary bioinformatics. Through the acquisition, the Company acquired all of Blueprint Genetics' operations. Based on the purchase price allocation, the assets acquired and liabilities assumed primarily consist of \$66 million of tax-deductible goodwill, \$43 million of intangible assets, and \$2 million of property, plant and equipment and working capital. The intangible assets primarily consist of technology and customer-related assets which are being amortized over a useful life of 10 years and 15 years, respectively.

*Acquisition of the Outreach Laboratory Services Business of Memorial Hermann Health System*

On April 6, 2020, the Company completed the acquisition of select assets which constitute substantially all of the operations of Memorial Hermann Diagnostic Laboratories, the outreach laboratory division of Memorial Hermann Health System ("Memorial Hermann"), in an all cash transaction for \$120 million. Memorial Hermann is a not-for-profit health system in Southeast Texas. Based on the purchase price allocation, the assets acquired primarily consist of \$27 million of customer-related intangible assets and \$93 million of tax-deductible goodwill. The intangible assets are being amortized over a useful life of 15 years.

*Acquisition of the Remaining 56% Interest in Mid America Clinical Laboratories, LLC*

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On August 1, 2020, the Company completed the acquisition of the remaining 56% interest in Mid America Clinical Laboratories, LLC ("MACL") from its joint venture partners in an all cash transaction for \$93 million, net of \$18 million cash acquired. MACL is the largest independent clinical laboratory provider in Indiana. Prior to the acquisition, the Company accounted for its 44% interest in MACL as an equity method investment, which was remeasured to its fair value of \$87 million on the acquisition date, resulting in a gain of \$70 million that was recognized in other income, net in the consolidated statements of operations. The fair value of the previously held equity interest was determined using a discounted cash flow analysis that took into account, among other items, MACL's expected future cash flows, long-term growth rate (1.5%), and a discount rate commensurate with economic risk (7.5%). Based on the purchase price allocation, the assets acquired and liabilities assumed consist of \$84 million of goodwill (of which \$47 million is tax-deductible), \$74 million of intangible assets, \$11 million of working capital and \$11 million of property, plant and equipment. The intangible assets consist of customer-related assets which are being amortized over a useful life of 15 years. As a result of the acquisition, MACL became a wholly owned subsidiary of the Company.

### ***2019 Acquisitions***

During 2019, the Company completed acquisitions for an aggregate purchase price of \$63 million, including the acquisition discussed below. The 2019 acquisitions resulted in goodwill of \$43 million, of which \$36 million is deductible for tax purposes. These acquisitions also resulted in \$21 million of intangible assets, principally comprised of customer-related intangible assets.

#### ***Acquisition of the Clinical Laboratory Services Business of Boyce & Bynum Pathology Laboratories, P.C.***

On February 11, 2019, the Company completed the acquisition of certain assets of the clinical laboratory services business of Boyce & Bynum Pathology Laboratories, P.C. in an all cash transaction for \$61 million, which consisted of cash consideration of \$55 million and contingent consideration initially estimated at \$6 million. The contingent consideration arrangement was dependent upon the achievement of certain testing volume benchmarks. During 2019, the liability was reduced to \$0 as a result of updated testing volume forecasts for the earn-out period compared to the testing volume target included in the contingent consideration arrangement, resulting in a \$6 million gain recorded in other operating (income) expense, net. Based on the purchase price allocation, the assets acquired principally consist of \$41 million of goodwill (of which \$35 million is tax deductible) and \$20 million of customer-related intangible assets. The intangible assets are being amortized over a useful life of 15 years.

### ***General Information***

The acquisitions described above were accounted for under the acquisition method of accounting. As such, the assets acquired and liabilities assumed are recorded based on their estimated fair values as of the closing date. Supplemental pro forma combined financial information has not been presented as the impact of the acquisitions is not material to the Company's consolidated financial statements. The goodwill recorded primarily includes the expected synergies resulting from combining the operations of the acquired entities with those of the Company and the value associated with an assembled workforce and other intangible assets that do not qualify for separate recognition. All of the goodwill acquired in connection with these acquisitions has been allocated to the Company's DIS business. For further details regarding business segment information, see Note 19.

## **6. DISPOSITION**

On April 1, 2021, the Company sold its 40% ownership interest in Q2 Solutions® ("Q2 Solutions"), its clinical trials central laboratory services joint venture, to IQVIA Holdings, Inc. ("IQVIA"), its joint venture partner, for \$760 million in an all-cash transaction. The sales price is subject to customary post-closing adjustments. Prior to the transaction, the Company accounted for its minority interest as an equity method investment. As a result of the transaction, during the year ended December 31, 2021, the Company recorded a \$314 million pre-tax gain in other income, net in the consolidated statement of operations based on the difference between the net sales proceeds and the carrying value of the investment, including \$20 million of cumulative translation losses which were previously recorded in accumulated other comprehensive loss. During the year ended December 31, 2021, the Company also recorded \$55 million of income tax expense related to the gain, consisting of \$127 million of current income tax expense, partially offset by \$72 million of deferred income tax benefit.

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Under a multi-year agreement, the Company will remain the strategic preferred laboratory provider for Q<sup>2</sup> Solutions' clients, providing a range of lab testing capabilities to augment Q<sup>2</sup> Solutions' core offerings and extend its industry leading suite of services.

**7. FAIR VALUE MEASUREMENTS**

*Assets and Liabilities Measured at Fair Value on a Recurring Basis*

The following table provides a summary of the recognized assets and liabilities that are measured at fair value on a recurring basis:

	<b>Basis of Fair Value Measurements</b>			
	<b>Total</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>
<b><u>December 31, 2021</u></b>				
<b>Assets:</b>				
Deferred compensation trading securities	\$ 77	\$ 77	\$ —	\$ —
Cash surrender value of life insurance policies	57	—	57	—
Equity investments	44	44	—	—
Available-for-sale debt securities	1	—	—	1
Total	<u>\$ 179</u>	<u>\$ 121</u>	<u>\$ 57</u>	<u>\$ 1</u>
<b>Liabilities:</b>				
Deferred compensation liabilities	\$ 143	\$ —	\$ 143	\$ —
Contingent consideration	5	—	—	5
Total	<u>\$ 148</u>	<u>\$ —</u>	<u>\$ 143</u>	<u>\$ 5</u>
<b>Redeemable noncontrolling interest</b>	\$ 79	\$ —	\$ —	\$ 79
<b><u>December 31, 2020</u></b>				
<b>Assets:</b>				
Deferred compensation trading securities	\$ 67	\$ 67	\$ —	\$ —
Cash surrender value of life insurance policies	50	—	50	—
Available-for-sale debt securities	12	—	—	12
Total	<u>\$ 129</u>	<u>\$ 67</u>	<u>\$ 50</u>	<u>\$ 12</u>
<b>Liabilities:</b>				
Deferred compensation liabilities	\$ 126	\$ —	\$ 126	\$ —
<b>Redeemable noncontrolling interest</b>	\$ 82	\$ —	\$ —	\$ 82

The Company offers certain employees the opportunity to participate in a non-qualified supplemental deferred compensation plan. A participant's deferrals, together with Company matching credits, are invested in a variety of participant-directed stock and bond mutual funds that are classified as trading securities. The trading securities are classified within Level 1 of the fair value hierarchy because the changes in the fair value of these securities are measured using quoted prices in active markets based on the market price per unit multiplied by the number of units held, exclusive of any transaction costs. A corresponding adjustment for changes in fair value of the trading securities is also reflected in the changes in fair value of the deferred compensation obligation. The deferred compensation liabilities are classified within Level 2 of the fair value hierarchy because their inputs are derived principally from observable market data by correlation to the trading securities.

The Company offers certain employees the opportunity to participate in a non-qualified deferred compensation program. A participant's deferrals, together with Company matching credits, are "invested" at the direction of the employee in



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a hypothetical portfolio of investments which are tracked by an administrator. The Company purchases life insurance policies, with the Company named as beneficiary of the policies, for the purpose of funding the program's liability. Changes in the cash surrender value of the life insurance policies are based upon earnings and changes in the value of the underlying investments. Changes in the fair value of the deferred compensation obligation are derived using quoted prices in active markets based on the market price per unit multiplied by the number of units. The cash surrender value and the deferred compensation obligation are classified within Level 2 of the fair value hierarchy because their inputs are derived principally from observable market data by correlation to the hypothetical investments. Deferrals under the plan currently may only be made by participants who made deferrals under the plan in 2017.

The Company's investment portfolio primarily includes equity investments comprised mostly of strategic holdings in companies concentrated in the life sciences and healthcare industries. Equity investments (except those accounted for under the equity method of accounting or those that result in consolidation of the investee) with readily determinable fair values are measured at fair value in prepaid expenses and other current assets in the Company's consolidated balance sheet. Equity investments that do not have readily determinable fair values (which consist of investments in preferred and common shares of private companies) are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes. During the year ended December 31, 2021, certain of the Company's equity investments became publicly traded. Such equity investments are now classified within Level 1 of the fair value hierarchy because the changes in the fair values of the securities are measured using quoted prices in active markets based on the market price per share multiplied by the number of shares held, exclusive of any transaction costs.

The Company's available-for-sale debt securities are measured at fair value using discounted cash flows. These fair value measurements are classified within Level 3 of the fair value hierarchy as the fair value is based on significant inputs that are not observable. Significant inputs include cash flows projections and a discount rate.

In connection with the acquisition of Labtech (see Note 5), the Company has a contingent consideration obligation of up to \$20 million that is to be paid based on the achievement of certain testing volume benchmarks. As of December 31, 2021, the fair value of the contingent consideration liability totaled \$5 million, which was measured at fair value using an option-pricing method and classified within Level 3 of the fair value hierarchy as the fair value was determined based on significant inputs that are not observable. Significant inputs include management's estimate of volume and other market inputs, including comparable company revenue volatility (7.5%) and a discount rate (2.5%).

The following table provides a reconciliation of the beginning and ending balances of liabilities using significant unobservable inputs (Level 3):

	<b>Contingent Consideration</b>
<i>Balance, December 31, 2019</i>	\$ 7
Settlements	(6)
Total fair value adjustments included in earnings - realized/unrealized	(1)
<i>Balance, December 31, 2020</i>	—
Purchases, additions and issuances	5
<i>Balance, December 31, 2021</i>	\$ 5

The \$1 million net gain included in earnings associated with the changes in the fair value of contingent consideration for the year ended December 31, 2020 is reported in other operating (income) expense, net.

In connection with the sale of an 18.9% noncontrolling interest in a subsidiary to UMass Memorial Medical Center ("UMass") on July 1, 2015, the Company granted UMass the right to require the Company to purchase all of its interest in the subsidiary at fair value commencing July 1, 2020. As of December 31, 2021, the redeemable noncontrolling interest was presented at its fair value. The fair value measurement of the redeemable noncontrolling interest is classified within Level 3 of the fair value hierarchy because the fair value is based on a discounted cash flow analysis that takes into account, among other items, the joint venture's expected future cash flows, long-term growth rates, and a discount rate commensurate with economic risk.

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During the year ended December 31, 2021, the Company recorded an \$8 million impairment charge, which is included in equity in earnings of equity method investees, net of taxes, in order to adjust to fair value an investment that is accounted for under the equity method of accounting. Following the impairment charge, the carrying value of the investment is not material. The fair value measurement was classified within Level 3 of the fair value hierarchy as it was based on significant inputs that are not observable, including cash flow projections.

The carrying amounts of cash and cash equivalents, accounts receivable and accounts payable and accrued expenses approximate fair value based on the short maturities of these instruments. As of December 31, 2021 and 2020, the fair value of the Company's debt was estimated at \$4.4 billion and \$4.6 billion, respectively. Principally all of the Company's debt is classified within Level 1 of the fair value hierarchy because the fair value of the debt is estimated based on rates currently offered to the Company with identical terms and maturities, using quoted active market prices and yields, taking into account the underlying terms of the debt instruments.

**8. TAXES ON INCOME**

The Company's pre-tax income from continuing operations before equity in earnings of equity method investees consisted of approximately 2.5 billion, \$1.9 billion and \$1.1 billion from U.S. operations and pre-tax income (loss) of \$148 million, \$(7) million and \$15 million from foreign operations for the years ended December 31, 2021, 2020 and 2019, respectively.

Pre-tax income from continuing operations before equity in earnings of equity method investees for U.S. and foreign operations include pre-tax gains of \$171 million and \$143 million, respectively, from the sale of the Company's 40% ownership interest in Q2 Solutions. During the year ended December 31, 2021, the Company also recorded \$55 million of income tax expense related to the gain, consisting of \$127 million of current income tax expense, partially offset by \$72 million of deferred income tax benefit.

The components of income tax expense (benefit) for 2021, 2020 and 2019 were as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Current:</b>			
Federal	\$ 528	\$ 300	\$ 176
State and local	123	74	53
Foreign	3	1	3
<b>Deferred:</b>			
Federal	(61)	55	21
State and local	5	29	(4)
Foreign	(1)	1	(2)
Total	<u>\$ 597</u>	<u>\$ 460</u>	<u>\$ 247</u>

A reconciliation of the federal statutory income tax rate to the Company's effective income tax rate for 2021, 2020 and 2019 was as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
Tax provision at statutory rate	21.0 %	21.0 %	21.0 %
State and local income taxes, net of federal benefit	4.1	4.5	4.6
Impact of noncontrolling interests	(0.8)	(0.9)	(1.1)
Excess tax benefits on stock-based compensation arrangements	(0.7)	(1.2)	(1.2)
Return to provision true-ups	(0.8)	(0.7)	(1.4)
Impact of equity earnings	0.6	0.8	1.1
Changes in reserves for uncertain tax positions	0.4	0.9	1.7
Change in valuation allowances associated with certain net operating losses	—	0.2	(1.1)
Other, net	(0.8)	(0.1)	(0.6)
Effective tax rate	<u>23.0 %</u>	<u>24.5 %</u>	<u>23.0 %</u>

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For the year ended December 31, 2019, the Company recognized a \$12 million net income tax benefit due to the release of valuation allowances associated with certain net operating loss carryforwards.

The tax effects of temporary differences that give rise to significant portions of the deferred tax assets (liabilities) as of December 31, 2021 and 2020 were as follows:

	<u>2021</u>	<u>2020</u>
<b>Non-current deferred tax assets (liabilities):</b>		
Accounts receivable reserves	\$ 89	\$ 71
Liabilities not currently deductible	180	146
Stock-based compensation	32	47
Basis differences in investments, joint ventures and subsidiaries	(12)	(81)
Net operating loss carryforwards, net of valuation allowance	42	61
Operating lease right-of-use assets	(150)	(151)
Operating lease liabilities	162	161
Depreciation and amortization	(633)	(604)
Total non-current deferred tax liabilities, net	<u>\$ (290)</u>	<u>\$ (350)</u>

As of December 31, 2021 and 2020, non-current deferred tax liabilities of \$290 million and \$350 million, respectively, are included in other liabilities in the consolidated balance sheet.

As of December 31, 2021, the Company had estimated net operating loss carryforwards for federal and state income tax purposes of \$31 million and \$676 million, respectively, which expire at various dates through 2041. Estimated net operating loss carryforwards for foreign income tax purposes are \$70 million as of December 31, 2021, some of which can be carried forward indefinitely while others expire at various dates through 2041. As of December 31, 2021 and 2020, deferred tax assets associated with net operating loss carryforwards of \$71 million and \$94 million, respectively, have each been reduced by valuation allowances of \$29 million and \$33 million, respectively.

Income taxes payable, including those classified as long-term in other liabilities in the consolidated balance sheet as of December 31, 2021 and 2020, were \$106 million and \$135 million, respectively. Prepaid income taxes were \$36 million and \$2 million as of December 31, 2021 and 2020, respectively, and were recorded in prepaid expenses and other current assets in the consolidated balance sheet.

The total amount of unrecognized tax benefits as of and for the years ended December 31, 2021, 2020 and 2019 consisted of the following:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<i>Balance, beginning of year</i>	\$ 93	\$ 88	\$ 107
Additions:			
For tax positions of current year	1	2	2
For tax positions of prior years	30	25	16
Reductions:			
Changes in judgment	(6)	(9)	(3)
Expirations of statutes of limitations	(8)	(4)	(2)
Settlements	—	(9)	(32)
<i>Balance, end of year</i>	<u>\$ 110</u>	<u>\$ 93</u>	<u>\$ 88</u>

The contingent liabilities for tax positions primarily relate to uncertainties associated with the realization of tax benefits derived from the allocation of income and expense among state jurisdictions, the characterization and timing of certain tax deductions associated with business combinations, certain tax credits and the deductibility of certain expenses and settlement payments.

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The total amount of unrecognized tax benefits as of December 31, 2021, that, if recognized, would affect the effective income tax rate is \$90 million. Based upon the expiration of statutes of limitations, settlements and/or the conclusion of tax examinations, the Company believes it is reasonably possible that the total amount of unrecognized tax benefits may decrease by up to \$15 million within the next twelve months.

Accruals for interest expense on contingent tax liabilities are classified in income tax expense in the consolidated statements of operations. Accruals for penalties have historically been immaterial. Interest (income) expense included in income tax expense in each of the years ended December 31, 2021, 2020 and 2019 was approximately \$(2) million, \$6 million and \$5 million, respectively. As of December 31, 2021 and 2020, the Company had approximately \$20 million and \$21 million, respectively, accrued, net of the benefit of a federal and state deduction, for the payment of interest on uncertain tax positions.

The recognition and measurement of certain tax benefits includes estimates and judgment by management and inherently involves subjectivity. Changes in estimates may create volatility in the Company's effective tax rate in future periods and may be due to settlements with various tax authorities (either favorable or unfavorable), the expiration of the statute of limitations on certain tax positions and obtaining new information about particular tax positions that may cause management to change its estimates.

In the regular course of business, various federal, state, local and foreign tax authorities conduct examinations of the Company's income tax filings and the Company generally remains subject to examination until the statute of limitations expires for the respective jurisdiction. The Internal Revenue Service has either completed its examinations of the Company's consolidated federal income tax returns or the statute of limitations has expired up through and including the 2016 tax year. At this time, the Company does not believe that there will be any material additional payments beyond its recorded contingent liability reserves that may be required as a result of these tax audits. As of December 31, 2021, a summary of the tax years that remain subject to examination, awaiting approval, are under appeal, or are otherwise unresolved for the Company's major jurisdictions are:

United States - federal	2017 - 2020
United States - various states	2002 - 2020

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**9. SUPPLEMENTAL CASH FLOW AND OTHER DATA**

Supplemental cash flow and other data for the years ended December 31, 2021, 2020 and 2019 was as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
Depreciation expense	\$ 305	\$ 258	\$ 233
Amortization expense	103	103	96
Depreciation and amortization expense	<u>\$ 408</u>	<u>\$ 361</u>	<u>\$ 329</u>
Interest expense	\$ (152)	\$ (166)	\$ (180)
Interest income	1	3	5
Interest expense, net	<u>\$ (151)</u>	<u>\$ (163)</u>	<u>\$ (175)</u>
Interest paid	\$ 159	\$ 201	\$ 192
Income taxes paid	\$ 709	\$ 360	\$ 202
Accounts payable associated with capital expenditures	\$ 26	\$ 46	\$ 26
Accounts payable associated with purchases of treasury stock	\$ 23	\$ —	\$ —
Dividend payable	\$ 74	\$ 76	\$ 71
Dividends received from equity method investees	\$ 60	\$ 54	\$ 48
<b><u>Businesses acquired:</u></b>			
Fair value of assets acquired	\$ 354	\$ 368	\$ 63
Fair value of liabilities assumed	18	17	—
Fair value of net assets acquired	<u>336</u>	<u>351</u>	<u>63</u>
Merger consideration payable	<u>(5)</u>	<u>—</u>	<u>(5)</u>
Cash paid for business acquisitions	<u>331</u>	<u>351</u>	<u>58</u>
Less: Cash acquired	<u>—</u>	<u>21</u>	<u>—</u>
Business acquisitions, net of cash acquired	<u>\$ 331</u>	<u>\$ 330</u>	<u>\$ 58</u>

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b><u>Leases:</u></b>			
Cash paid for amounts included in the measurement of lease liabilities:			
Operating cash flows from operating leases	\$ 185	\$ 185	\$ 180
Operating cash flows from finance leases	\$ 2	\$ 3	\$ 3
Financing cash flows from finance leases	\$ 2	\$ 3	\$ 4
Leased assets obtained in exchange for new operating lease liabilities	\$ 150	\$ 219	\$ 164
Leased assets obtained in exchange for new finance lease liabilities	\$ —	\$ —	\$ 1

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**10. PROPERTY, PLANT AND EQUIPMENT**

Property, plant and equipment as of December 31, 2021 and 2020 consisted of the following:

	<u>2021</u>	<u>2020</u>
Land	\$ 43	\$ 42
Buildings and improvements	532	526
Laboratory equipment and furniture and fixtures	2,009	1,974
Leasehold improvements	705	666
Computer software developed or obtained for internal use	1,292	1,209
Construction-in-progress	214	202
	<u>4,795</u>	<u>4,619</u>
Less: Accumulated depreciation and amortization	(3,088)	(2,992)
Total	<u>\$ 1,707</u>	<u>\$ 1,627</u>

For the year ended December 31, 2019, the Company recognized a \$73 million gain in other operating (income) expense, net on the sale and leaseback of a property.

**11. GOODWILL AND INTANGIBLE ASSETS**

The changes in goodwill for the years ended December 31, 2021 and 2020 were as follows:

	<u>2021</u>	<u>2020</u>
<i>Balance, beginning of year</i>	\$ 6,873	\$ 6,619
Goodwill acquired during the year	228	247
Adjustments to goodwill	(6)	7
<i>Balance, end of year</i>	<u>\$ 7,095</u>	<u>\$ 6,873</u>

Principally all of the Company's goodwill as of December 31, 2021 and 2020 was associated with its DIS business.

For the year ended December 31, 2021, goodwill acquired during the period was principally associated with the acquisitions of the assets of Mercy Health and assets of Labtech (see Note 5). For the year ended December 31, 2021, adjustments to goodwill related to foreign currency translation.

For the year ended December 31, 2020, goodwill acquired during the period was principally associated with the acquisitions of Blueprint Genetics, assets of Memorial Hermann and MACL (see Note 5). For the year ended December 31, 2020, adjustments to goodwill related to foreign currency translation.

Intangible assets as of December 31, 2021 and 2020 consisted of the following:



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	Weighted Average Amortization Period (in years)	2021			2020		
		Cost	Accumulated Amortization	Net	Cost	Accumulated Amortization	Net
<b>Amortizing intangible assets:</b>							
Customer-related	17	\$ 1,581	\$ (726)	\$ 855	\$ 1,479	\$ (638)	\$ 841
Non-compete agreements	9	3	(2)	1	3	(2)	1
Technology	14	141	(74)	67	141	(65)	76
Other	5	109	(101)	8	108	(95)	13
Total	17	1,834	(903)	931	1,731	(800)	931
<b>Intangible assets not subject to amortization:</b>							
Trade names		235	—	235	235	—	235
Other		1	—	1	1	—	1
Total intangible assets		\$ 2,070	\$ (903)	\$ 1,167	\$ 1,967	\$ (800)	\$ 1,167

The estimated amortization expense related to amortizable intangible assets for each of the five succeeding fiscal years and thereafter as of December 31, 2021 is as follows:

<b>Year Ending December 31,</b>	
2022	\$ 105
2023	103
2024	100
2025	98
2026	93
Thereafter	432
Total	<u>\$ 931</u>

**12. ACCOUNTS PAYABLE AND ACCRUED EXPENSES**

Accounts payable and accrued expenses as of December 31, 2021 and 2020 consisted of the following:

	<u>2021</u>	<u>2020</u>
Accrued wages and benefits (including incentive compensation)	\$ 518	\$ 502
Accrued expenses	460	356
Trade accounts payable	357	446
Overdrafts	116	153
Dividend payable	74	76
Accrued insurance	34	31
Accrued interest	26	26
Income taxes payable	10	43
Merger consideration payable	5	—
Total	<u>\$ 1,600</u>	<u>\$ 1,633</u>

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**13. DEBT**

Long-term debt (including finance lease obligations) as of December 31, 2021 and 2020 consisted of the following:

	<b>2021</b>	<b>2020</b>
4.25% Senior Notes due April 2024	\$ 311	\$ 316
3.50% Senior Notes due March 2025	616	622
3.45% Senior Notes due June 2026	510	512
4.20% Senior Notes due June 2029	499	499
2.95% Senior Notes due June 2030	798	798
2.80% Senior Notes due June 2031	549	549
6.95% Senior Notes due July 2037	175	175
5.75% Senior Notes due January 2040	245	245
4.70% Senior Notes due March 2045	300	300
Other	34	27
Debt issuance costs	(25)	(28)
Total long-term debt	4,012	4,015
Less: Current portion of long-term debt	2	2
Total long-term debt, net of current portion	\$ 4,010	\$ 4,013

***Secured Receivables Credit Facility***

During October 2021, the Company amended its \$600 million secured receivables credit facility (the “Secured Receivables Credit Facility”), previously amended in October 2020, to extend the maturity dates for each underlying commitment by one year, while maintaining the borrowing capacity under the facility at \$600 million. Under the Secured Receivables Credit Facility, the Company can borrow against a \$250 million loan commitment maturing October 2022 and a \$250 million loan commitment maturing October 2023, and can issue up to \$100 million of letters of credit (see Note 18) through October 2023. Borrowings under the Secured Receivables Credit Facility are collateralized by certain domestic receivables. As of December 31, 2021, interest on the borrowings under the Secured Receivables Credit Facility was based on either commercial paper rates for highly-rated issuers or LIBOR, plus a spread of 0.725% to 0.80%. The Secured Receivables Credit Facility is subject to customary affirmative and negative covenants and certain financial covenants with respect to the receivables that comprise the borrowing base and secure the borrowings under the facility. As of both December 31, 2021 and 2020, there were no outstanding borrowings under the Secured Receivables Credit Facility.

***Senior Unsecured Revolving Credit Facility***

During November 2021, the Company amended and restated the agreement for its \$750 million senior unsecured revolving credit facility (the “Credit Facility” or “Senior Unsecured Revolving Credit Facility”) to extend the maturity date to November 2026 while maintaining the borrowing capacity under the facility at \$750 million. Under the Credit Facility, the Company can issue letters of credit totaling \$150 million (see Note 18). Issued letters of credit reduce the available borrowing capacity under the Credit Facility. Interest on the Credit Facility is based on certain published rates plus an applicable margin based on changes in the Company's public debt ratings. At the option of the Company, it may elect to lock into LIBOR-based interest rates for periods up to six months. Interest on any outstanding amounts not covered under LIBOR-based interest rate contracts is based on an alternate base rate, which is calculated by reference to the prime rate, the federal funds rate or an adjusted LIBOR rate. As of December 31, 2021, the Company's borrowing rate for LIBOR-based loans under the Credit Facility was LIBOR plus 1.00%. The Credit Facility contains various covenants, including the maintenance of a financial leverage ratio, which could impact the Company's ability to, among other things, incur additional indebtedness. As of both December 31, 2021 and 2020, there were no outstanding borrowings under the Senior Unsecured Revolving Credit Facility.

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***Senior Notes Offerings***

In May 2020, the Company completed a senior notes offering, consisting of \$550 million aggregate principal amount of 2.80% senior notes due June 2031 (the “2031 Senior Notes”), which were issued at an original issue discount of \$1 million. The Company incurred \$5 million of debt issuance costs associated with the 2031 Senior Notes, which are included as a reduction to the carrying amount of long-term debt and which are being amortized over the term of the related debt.

During November 2020, the net proceeds from the 2031 Senior Notes, along with cash on hand, were used to redeem in full the outstanding indebtedness under the Company's senior notes due April 2021.

During January 2020, the Company redeemed in full the outstanding indebtedness under the Company's senior notes due January 2020 and senior notes due March 2020, using the net proceeds from the issuance, in December 2019, of the senior notes due June 2030.

For the year ended December 31, 2020, the Company recorded a loss on retirement of debt, principally comprised of premiums paid, of \$9 million in other income, net.

All of the senior notes are unsecured obligations of the Company and rank equally with the Company's other senior unsecured obligations. None of the Company's senior notes have a sinking fund requirement.

The Company may redeem its outstanding senior notes prior to scheduled maturity, as a whole or in part, at a redemption price equal to the present value of the remaining scheduled payments of principal and interest, except for certain notes for which the Company also has an option to redeem such instruments at par value on or after dates specified in the indentures governing the notes (“the par value redemption option”). For notes with the par value redemption option, if such notes are redeemed prior to the specified dates, the redemption price calculations exclude any interest that would have been due after such dates.

***Maturities of Long-Term Debt***

As of December 31, 2021, long-term debt matures as follows:

<b><u>Year Ending December 31,</u></b>	
2022	\$ 2
2023	2
2024	303
2025	603
2026	503
Thereafter	<u>2,596</u>
Total maturities of long-term debt	4,009
Unamortized discount	(10)
Debt issuance costs	(25)
Fair value basis adjustments attributable to hedged debt	<u>38</u>
Total long-term debt	4,012
Less: Current portion of long-term debt	<u>2</u>
Total long-term debt, net of current portion	<u>\$ 4,010</u>

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**14. LEASES**

The Company determines if an arrangement is or contains a lease at contract inception. The Company leases office space, patient service centers, clinical laboratories, warehouses, logistic hubs and equipment primarily through operating leases, with a limited number of finance leases. A right-of-use asset, representing the underlying asset during the lease term, and a lease liability, representing the payment obligation arising from the lease, are recognized on the balance sheet at lease commencement based on the present value of the payment obligation. For operating leases, expense is recognized on a straight-line basis over the lease term. For finance leases, interest expense on the lease liability is recognized using the effective interest method and amortization of the right-of-use asset is recognized on a straight-line basis over the shorter of the estimated useful life of the asset or the lease term. Short-term leases with an initial term of 12 months or less are not recorded on the balance sheet; the Company recognizes lease expense for these leases on a straight-line basis over the lease term. For the years ended December 31, 2021, 2020, and 2019, lease expense associated with short-term leases was not material.

The Company primarily uses its collateralized incremental borrowing rate in determining the present value of lease payments as the Company's leases generally do not provide an implicit rate. Such incremental borrowing rates, which take into account interest rates offered to companies that have similar credit ratings to the Company, are determined using a portfolio approach which groups the Company's leases based on tenor.

The Company has lease agreements with (i) right-of-use asset payments and (ii) non-lease components (i.e., payments related to maintenance fees, utilities, etc.) which have been combined and accounted for as a single lease component.

The Company's leases have remaining terms of less than 1 year to 15 years, some of which include options to extend the leases for up to 15 years. The Company's lease terms may include renewal options that are reasonably certain to be exercised and termination options that are reasonably certain not to be exercised. Certain leases also include options to purchase the leased property.

Certain of the Company's lease agreements include rental payments adjusted periodically for inflation or a market rate which are included in the lease liabilities.

The Company's assets and liabilities for its lease agreements as of December 31, 2021 and 2020 were as follows:

<b>Leases</b>	<b>Balance Sheet Classification</b>	<b>2021</b>	<b>2020</b>
<b>Assets</b>			
Operating	Operating lease right-of-use assets	\$ 597	\$ 604
Finance	Property, plant and equipment, net (a)	29	22
Total lease assets		<u>\$ 626</u>	<u>\$ 626</u>
<b>Liabilities</b>			
Current:			
Operating	Current portion of long-term operating lease liabilities	\$ 151	\$ 141
Finance	Current portion of long-term debt	2	2
Non-current:			
Operating	Long-term operating lease liabilities	494	499
Finance	Long-term debt	32	25
Total lease liabilities		<u>\$ 679</u>	<u>\$ 667</u>

(a) Finance lease assets as of December 31, 2021 and 2020 were recorded net of accumulated amortization of \$8 million and \$14 million, respectively.

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Components of lease cost for the years ended December 31, 2021, 2020 and 2019 were as follows:

<u>Lease cost</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>
Operating lease cost (a)	\$ 321	\$ 300	\$ 294
Finance lease cost:			
Amortization of leased assets	2	6	7
Interest on lease liabilities	2	3	3
Net lease cost	<u>\$ 325</u>	<u>\$ 309</u>	<u>\$ 304</u>

(a) Includes short-term leases and variable lease costs (primarily usage-based maintenance fees and utilities related to real estate leases and certain equipment-related and vehicle-related costs) of \$140 million, \$120 million and \$120 million for the years ended December 31, 2021, 2020 and 2019, respectively.

The maturity of the Company's lease liabilities as of December 31, 2021 is as follows:

<u>Maturity of lease liabilities</u>	<u>Operating leases</u>	<u>Finance leases</u>	<u>Total</u>
2022	\$ 169	\$ 4	\$ 173
2023	153	4	157
2024	116	5	121
2025	83	5	88
2026	54	5	59
Thereafter	139	27	166
Total lease payments	<u>714</u>	<u>50</u>	<u>764</u>
Less: Interest	69	16	85
Present value of lease liabilities	<u>\$ 645</u>	<u>\$ 34</u>	<u>\$ 679</u>

Lease term and discount rate as of December 31, 2021 and 2020 were as follows:

<u>Lease term and discount rate</u>	<u>2021</u>	<u>2020</u>
Weighted-average remaining lease term (years):		
Operating leases	6	6
Finance leases	11	13
Weighted-average discount rate:		
Operating leases	3.0 %	3.2 %
Finance leases	6.9 %	8.1 %

The Company's discount rates for its operating leases were primarily determined using the Company's incremental borrowing rate. The Company's weighted-average discount rate for its finance leases principally reflects the implicit interest rate on a lease obligation assumed in a business combination.

See Note 9 for cash flow information on cash paid for amounts included in the measurement of lease liabilities, leased assets obtained in exchange for new operating lease liabilities, and leased assets obtained in exchange for new finance lease liabilities for the years ended December 31, 2021, 2020 and 2019.

**15. FINANCIAL INSTRUMENTS**

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
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(in millions unless otherwise indicated)

***Interest Rate Derivatives – Cash Flow Hedges***

From time to time, the Company has entered into various interest rate lock agreements and forward-starting interest rate swap agreements to hedge part of the Company's interest rate exposure associated with the variability in future cash flows attributable to changes in interest rates.

***Interest Rate Derivatives – Fair Value Hedges***

Historically, the Company has entered into various fixed-to-variable interest rate swap agreements in order to convert a portion of the Company's long-term debt into variable interest rate debt. All such fixed-to-variable interest rate swap agreements have been terminated and proceeds from the terminations have been reflected as basis adjustments to the hedged debt instruments and are being amortized as a reduction of interest expense, net over the remaining terms of such debt instruments.

As of December 31, 2021 and 2020, the following amounts were recorded on the consolidated balance sheets related to cumulative basis adjustments for fair value hedges included in the carrying amount of long-term debt:

<b>Balance Sheet Classification</b>	<b>Carrying Amount of Hedged Long- Term Debt</b>	<b>Hedge Accounting Basis Adjustment (a)</b>	<b>Carrying Amount of Hedged Long- Term Debt</b>	<b>Hedge Accounting Basis Adjustment (a)</b>
	<b>December 31, 2021</b>	<b>December 31, 2021</b>	<b>December 31, 2020</b>	<b>December 31, 2020</b>
Long-term debt	\$ —	\$ 38	\$ —	\$ 51

(a) As of both December 31, 2021 and 2020, the entire balance is associated with remaining unamortized hedging adjustments on discounted relationships.

The following table presents the effect of fair value hedge accounting on the consolidated statements of operations for the years ended December 31, 2021, 2020 and 2019, respectively:

	<b>2021</b>	<b>2020</b>	<b>2019</b>
	<b>Other income, net</b>	<b>Other income, net</b>	<b>Other income, net</b>
Total for line item in which the effects of fair value hedges are recorded	\$ 369	\$ 76	\$ 20
<b>Gain (loss) on fair value hedging relationships:</b>			
Hedged items (Long-term debt)	\$ —	\$ (68)	\$ (65)
Derivatives designated as hedging instruments	\$ —	\$ 68	\$ 65

**16. STOCKHOLDERS' EQUITY AND REDEEMABLE NONCONTROLLING INTEREST**

***Stockholders' Equity***

***Series Preferred Stock***

Quest Diagnostics is authorized to issue up to 10 million shares of Series Preferred Stock, par value \$1.00 per share. The Company's Board of Directors has the authority to issue such shares without stockholder approval and to determine the designations, preferences, rights and restrictions of such shares. No shares are currently outstanding.

***Common Stock***

Under the Company's Restated Certificate of Incorporation the number of authorized shares of common stock, par value \$0.01 per share, is 600 million shares.



**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
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*Changes in Accumulated Other Comprehensive Loss by Component*

Comprehensive income (loss) includes:

- Foreign currency translation adjustments;
- Net deferred gains (losses) on cash flow hedges, which represent deferred gains (losses), net of tax, on interest rate-related derivative financial instruments designated as cash flow hedges, net of amounts reclassified to interest expense (see Note 15); and
- Net changes in available-for-sale debt securities, which represent unrealized holding gains (losses), net of tax, on available-for-sale debt securities.

For the years ended December 31, 2021, 2020, and 2019, the tax effects related to the deferred gains (losses) on cash flow hedges and net changes in available-for-sale debt securities were not material. Foreign currency translation adjustments related to indefinite investments in non-U.S. subsidiaries are not adjusted for income taxes.

The changes in accumulated other comprehensive loss by component for 2021, 2020 and 2019 were as follows:

	<b>Foreign Currency Translation Adjustments</b>	<b>Net Changes in Available- for-Sale Debt Securities</b>	<b>Net Deferred Losses on Cash Flow Hedges, net of tax</b>	<b>Other</b>	<b>Accumulated Other Comprehensive Loss</b>
<i>Balance, December 31, 2018</i>	\$ (49)	\$ —	\$ (9)	\$ (1)	\$ (59)
Other comprehensive income before reclassifications	7	8	3	—	18
Amounts reclassified from accumulated other comprehensive loss	—	—	2	—	2
Net current period other comprehensive income	7	8	5	—	20
<i>Balance, December 31, 2019</i>	(42)	8	(4)	(1)	(39)
Other comprehensive income before reclassifications	12	—	1	—	13
Amounts reclassified from accumulated other comprehensive loss	3	—	2	—	5
Net current period other comprehensive income	15	—	3	—	18
<i>Balance, December 31, 2020</i>	(27)	8	(1)	(1)	(21)
Other comprehensive loss before reclassifications	(7)	(7)	—	—	(14)
Amounts reclassified from accumulated other comprehensive loss	20	—	1	—	21
Net current period other comprehensive income (loss)	13	(7)	1	—	7
<i>Balance, December 31, 2021</i>	\$ (14)	\$ 1	\$ —	\$ (1)	\$ (14)

On April 1, 2021, the Company sold its 40% ownership interest in Q<sup>2</sup> Solutions, its clinical trials central laboratory services joint venture, to IQVIA, its joint venture partner. As a result of the transaction, during the year ended December 31, 2021, \$20 million of cumulative translation losses were reclassified from accumulated other comprehensive loss to other income, net. See Note 6 for further details.

Additionally, for the year ended December 31, 2020, \$3 million of cumulative translation losses were reclassified from accumulated other comprehensive loss to other operating (income) expense, net as a result of the sale of foreign subsidiaries.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
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For the years ended December 31, 2021, 2020 and 2019, the gross deferred losses on cash flow hedges were reclassified from accumulated other comprehensive loss to interest expense, net.

*Dividend Program*

During each of the four quarters of 2021, the Company's Board of Directors declared a quarterly cash dividend of \$0.62 per common share. During each of the four quarters of 2020, the Company's Board of Directors declared a quarterly cash dividend of \$0.56 per common share. During each of the four quarters of 2019, the Company's Board of Directors declared a quarterly cash dividend of \$0.53 per common share. On February 3, 2022, the Company announced that its Board of Directors authorized a 6.5% increase in its quarterly cash dividend from \$0.62 to \$0.66 per share, or \$2.64 per share annually, commencing with the dividend payable in April 2022.

*Share Repurchase Program*

In each of February 2021 and March 2021, the Company's Board of Directors increased the size of its share repurchase program by \$1 billion. As of December 31, 2021, \$0.7 billion remained available under the Company's share repurchase authorization. In February 2022, the Company's Board of Directors authorized the Company to repurchase an additional \$1 billion of the Company's common stock. The share repurchase authorization has no set expiration or termination date.

*Share Repurchases*

For the year ended December 31, 2021, the Company repurchased 16.0 million shares of its common stock for \$2.2 billion, including shares repurchased under ASRs. The repurchases during the year included an accrual of \$23 million recorded in accounts payable and accrued expenses in the consolidated balance sheet for share repurchases not settled until after December 31, 2021.

In April 2021, the Company entered into ASRs with several financial institutions to repurchase its common stock as part of a share repurchase program. Each of the ASRs was structured to permit the Company to purchase shares immediately with the final purchase price of those shares determined by the volume-weighted average price of the Company's common stock during the repurchase period, less a fixed discount, and was accounted for as two transactions: (1) a treasury stock repurchase and (2) a forward contract. During the year ended December 31, 2021, the Company paid \$1.5 billion to the financial institutions and received 10.7 million shares of its common stock under the ASRs.

For the year ended December 31, 2020, the Company repurchased 2.7 million shares of its common stock for \$325 million.

For the year ended December 31, 2019, the Company repurchased 3.5 million shares of its common stock for \$350 million.

*Shares Reissued from Treasury Stock*

For the years ended December 31, 2021, 2020 and 2019, the Company reissued 2 million shares, 3 million shares and 2 million shares, respectively, from treasury stock for shares issued under the Employee Stock Purchase Plan ("ESPP") and stock-based compensation program.

*Treasury Stock Retirement*

During the year ended December 31, 2021, the Company retired 55 million shares of treasury stock. In accordance with the Company's policy, the amount paid to repurchase the shares in excess of par value was allocated between retained earnings and additional paid-in capital based on a pro-rata allocation of additional paid-in capital at the time of the share retirement.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
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***Redeemable Noncontrolling Interest***

In connection with the sale of an 18.9% noncontrolling interest in a subsidiary to UMass on July 1, 2015, the Company granted UMass the right to require the Company to purchase all of its interest in the subsidiary at fair value commencing July 1, 2020. The subsidiary performs diagnostic information services in a defined territory within the state of Massachusetts. Since the redemption of the noncontrolling interest is outside of the Company's control, it has been presented outside of stockholders' equity at the greater of its carrying amount or its fair value. The Company records changes in the fair value of the noncontrolling interest immediately as they occur. As of December 31, 2021 and 2020, the redeemable noncontrolling interest was \$79 million and \$82 million, respectively, and was presented at its fair value.

**17. STOCK OWNERSHIP AND COMPENSATION PLANS**

***Employee and Non-employee Directors Stock Ownership Programs***

The ELTIP provides for three types of awards: (a) stock options, (b) stock appreciation rights and (c) stock awards. The ELTIP provides for the grant to eligible employees of either non-qualified or incentive stock options, or both, to purchase shares of Company common stock at an exercise price no less than the fair market value of the Company's common stock on the date of grant. Grants of stock appreciation rights allow eligible employees to receive a payment based on the appreciation of Company common stock in cash, shares of Company common stock or a combination thereof. The stock appreciation rights are granted at an exercise price no less than the fair market value of the Company's common stock on the date of grant. Stock options and stock appreciation rights granted under the ELTIP expire on the date designated by the Board of Directors but in no event more than ten years from date of grant. No stock appreciation rights have been granted under the ELTIP. Under the ELTIP, awards are subject to forfeiture if employment terminates prior to the end of the vesting period prescribed by the Board of Directors. For all award types, the vesting period is generally over three years from the date of grant. For performance share units, the actual amount of shares earned is based on the achievement of the performance goals specified in the awards. The performance goals for awards granted for 2019 were based on the financial performance of the Company. The performance goals for awards granted in 2020 and 2021 were based on the financial performance of the Company, as well as relative TSR. The maximum number of shares of Company common stock in respect of which awards may be granted under the ELTIP is approximately 79 million shares.

The DLTIP provides for the grant to non-employee directors of non-qualified stock options to purchase shares of Company common stock at an exercise price no less than the fair market value of the Company's common stock on the date of grant. The DLTIP also permits awards of restricted stock and restricted stock units to non-employee directors. Stock options granted under the DLTIP expire on the date designated by the Board of Directors but in no event more than ten years from date of grant. For all award types, the vesting period is generally over three years from the date of grant, regardless of whether the award recipient remains a director of the Company. The maximum number of shares that may be issued under the DLTIP is 2.4 million shares. For the years ended December 31, 2021, 2020 and 2019, grants under the DLTIP totaled 12 thousand shares, 14 thousand shares and 14 thousand shares, respectively.

The Company's practice has been to issue shares related to its stock-based compensation program from shares of its common stock held in treasury or by issuing new shares of its common stock. In January 2021, the Company began to issue shares related to its ESPP and stock-based compensation program solely from common stock held in treasury. See Note 16 for further information regarding the Company's share repurchase program.

The fair value of each stock option award granted was estimated on the date of grant using a Black-Scholes option-valuation model. The expected volatility under the Black-Scholes option-valuation model was based on historical volatilities of the Company's common stock. The dividend yield was based on the approved annual dividend rate in effect and current market price of the underlying common stock at the time of grant. The risk-free interest rate was based on the U.S. Treasury yield curve in effect at the time of grant for bonds with maturities consistent with the expected holding period of the related award. The expected holding period was estimated using the historical stock option exercise behavior of employees. The Black-Scholes option-valuation model also incorporates the average market price of the Company's common stock at the date of grant.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
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The weighted average assumptions used in valuing stock options granted in the periods presented were:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
Fair value at grant date	\$21.82	\$17.25	\$14.30
Expected volatility	25.6%	20.3%	20.4%
Dividend yield	2.0%	2.0%	2.4%
Risk-free interest rate	0.6%	1.5%	2.5%
Expected holding period, in years	4.8	5.0	5.2

The following summarizes the activity relative to stock option awards for 2021:

	<u>Shares</u>	<u>Weighted Average Exercise Price</u>	<u>Weighted Average Remaining Contractual Term (in years)</u>	<u>Aggregate Intrinsic Value</u>
Options outstanding, beginning of year	6.5	\$ 90.32		
Options granted	0.9	122.18		
Options exercised	(1.5)	84.09		
Options forfeited and canceled	(0.2)	107.50		
Options outstanding, end of year	<u>5.7</u>	<u>\$ 96.44</u>	6.5	\$ 433
Exercisable, end of year	3.7	\$ 89.17	5.5	\$ 309
Vested and expected to vest, end of year	5.6	\$ 96.22	6.4	\$ 430

The aggregate intrinsic value in the table above represents the total pre-tax intrinsic value (the difference between the Company's closing common stock price on the last trading day of 2021 and the exercise price, multiplied by the number of in-the-money options) that would have been received by the option holders had all option holders exercised their options on December 31, 2021. This amount changes based on the fair market value of the Company's common stock. Total intrinsic value of options exercised in 2021, 2020 and 2019 was \$83 million, \$113 million and \$62 million, respectively.

As of December 31, 2021, there was \$7 million of unrecognized stock-based compensation cost related to nonvested stock options which is expected to be recognized over a weighted average period of 1.6 years.

The fair value of restricted stock awards and restricted stock units is the average market price of the Company's common stock at the date of grant. For performance share units with a goal based on the financial performance of the Company, the fair value is based on the average market price of the Company's common stock at the date of grant, adjusted for the present value of dividends expected to be paid on the Company's common stock during the vesting period. For performance share units with a market-based relative TSR goal, the fair value is estimated on the date of grant using a Monte Carlo valuation model. The expected volatility under the Monte Carlo valuation model is based on the historical volatility of the common stock of the Company and the common stock of the companies in the peer index. The dividend yield is based on the approved annual dividend rate in effect and current market price of the underlying common stock at the time of grant. The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the time of grant for bonds with maturities consistent with the performance period of the related award.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
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The weighted average assumptions used in valuing performance share units with a market-based relative TSR goal in the periods presented were:

	<b>2021</b>	<b>2020</b>
Fair value at grant date	\$150.15	\$144.03
Expected volatility	30.2%	20.1%
Dividend yield	2.0%	2.0%
Risk-free interest rate	0.2%	1.4%

The following summarizes the activity relative to stock awards, including restricted stock units and performance share units, for 2021, 2020 and 2019:

	<b>2021</b>		<b>2020</b>		<b>2019</b>	
	Shares	Weighted Average Grant Date Fair Value	Shares	Weighted Average Grant Date Fair Value	Shares	Weighted Average Grant Date Fair Value
Shares outstanding, beginning of year	1.0	\$ 100.12	1.0	\$ 93.30	1.1	\$ 88.13
Shares granted	0.5	122.78	0.4	112.43	0.4	86.28
Shares vested	(0.5)	103.41	(0.4)	96.36	(0.4)	75.58
Shares forfeited and canceled	—	—	—	—	(0.1)	94.09
Shares outstanding, end of year	1.0	\$ 107.46	1.0	\$ 100.12	1.0	\$ 93.30

As of December 31, 2021, there was \$27 million of unrecognized stock-based compensation cost related to nonvested stock awards, which is expected to be recognized over a weighted average period of 1.5 years. Total fair value of shares vested was \$59 million, \$37 million and \$40 million for the years ended December 31, 2021, 2020 and 2019, respectively. For performance share units with a goal based on financial performance of the Company, the amount of unrecognized stock-based compensation cost is subject to change based on changes, if any, to management's best estimates of the achievement of the performance goals specified in such awards and the resulting number of shares that will be earned at the end of the performance periods.

For the years ended December 31, 2021, 2020 and 2019, stock-based compensation expense totaled \$79 million, \$97 million and \$56 million, respectively. Income tax benefits recognized in the consolidated statements of operations related to stock-based compensation expense totaled \$32 million, \$39 million and \$27 million for the years ended December 31, 2021, 2020 and 2019, respectively, which includes excess tax benefits associated with stock-based compensation arrangements of \$19 million, \$23 million and \$13 million for the years ended December 31, 2021, 2020 and 2019, respectively.

***Employee Stock Purchase Plan***

Under the Company's ESPP, substantially all employees can elect to have up to 10% of their annual wages withheld to purchase Quest Diagnostics common stock. The purchase price of the stock is 95% of the market price of the Company's common stock on the last business day of each calendar month. Under the ESPP, the maximum number of shares of Quest Diagnostics common stock which may be purchased by eligible employees is 9 million. Approximately 200 thousand shares, 225 thousand shares and 269 thousand shares of common stock were purchased by eligible employees in 2021, 2020 and 2019, respectively.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
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***Defined Contribution Plans***

The Company maintains qualified defined contribution plans covering substantially all of its employees. The maximum Company matching contribution is 5% of eligible employee compensation. During 2020, the Company temporarily suspended matching contributions for certain qualified defined contribution plans; matching contributions were reinstated in the third quarter of 2020. The Company's expense for contributions to its defined contribution plans aggregated \$93 million, \$64 million and \$84 million for 2021, 2020 and 2019, respectively.

***Supplemental Deferred Compensation Plans***

The Company has a supplemental deferred compensation plan that is an unfunded, non-qualified plan that provides for certain management and highly compensated employees to defer up to 50% of their salary in excess of their defined contribution plan limits and for certain eligible employees, up to 95% of their variable incentive compensation. The maximum Company matching contribution is 5% of eligible employee compensation. During 2020, the Company temporarily suspended matching contributions; matching contributions were reinstated in the third quarter of 2020. The compensation deferred under this plan, together with Company matching amounts, are credited with earnings or losses measured by the mirrored rate of return on investments elected by plan participants. Each plan participant is fully vested in all deferred compensation, Company match and earnings credited to their account. The amounts accrued under the Company's deferred compensation plans were \$77 million and \$67 million as of December 31, 2021 and 2020, respectively. Although the Company is currently contributing all participant deferrals and matching amounts to a trust, the funds in this trust, totaling \$77 million and \$67 million as of December 31, 2021 and 2020, respectively, are general assets of the Company and are subject to any claims of the Company's creditors.

The Company also offers certain employees the opportunity to participate in a non-qualified deferred compensation program. The Company matches employee contributions equal to 25%, up to a maximum of \$5 thousand per plan year. A participant's deferrals, together with Company matching credits, are "invested" at the direction of the employee in a hypothetical portfolio of investments which are tracked by an administrator. Each participant is fully vested in their deferred compensation and vests in Company matching contributions over a period of four years at 25% per year. This plan was amended effective January 1, 2018 so that future deferrals under the plan may only be made by participants who made deferrals under the plan in 2017. The amounts accrued under this plan were \$66 million and \$59 million as of December 31, 2021 and 2020, respectively. The Company purchases life insurance policies, with the Company named as beneficiary of the policies, for the purpose of funding the program's liability. The cash surrender value of such life insurance policies was \$57 million and \$50 million as of December 31, 2021 and 2020, respectively.

For each of the years ended December 31, 2021, 2020 and 2019, the Company's expense for matching contributions to these plans was not material.

**18. COMMITMENTS AND CONTINGENCIES**

***Letters of Credit and Contractual Obligations***

The Company can issue letters of credit under its Secured Receivables Credit Facility and Senior Unsecured Revolving Credit Facility (see Note 13). In support of its risk management program, to ensure the Company's performance or payment to third parties, \$70 million in letters of credit under the Secured Receivables Credit Facility were outstanding as of December 31, 2021. The letters of credit primarily represent collateral for current and future automobile liability and workers' compensation loss payments.

The Company has certain noncancelable commitments, primarily under take-or-pay arrangements, to purchase products or services from various suppliers, mainly for consulting and other service agreements, and standing orders to purchase reagents and other laboratory supplies. As of December 31, 2021, the approximate total future purchase commitments are \$252 million, of which \$53 million are expected to be incurred in 2022, \$87 million are expected to be incurred in 2023 through 2024 and the balance thereafter.



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***Billing and Collection Agreement***

In September 2016, the Company entered into a ten-year agreement with a third party to outsource its billing and related operations for the majority of the Company's revenues. Services under the agreement commenced during the fourth quarter of 2016. The agreement includes an annual fee, which is subject to adjustment based on certain changes in the Company's requisition volume and the achievement of various performance metrics.

***Contingent Lease Obligations***

The Company remains subject to contingent obligations under certain real estate leases, including real estate leases that were entered into by certain predecessor companies of a subsidiary prior to the Company's acquisition of the subsidiary. While over the course of many years, the title to certain properties and interest in the subject leases have been transferred to third parties and the subject leases have been amended several times by such third parties, the lessors have not formally released the subsidiary predecessor companies from their original obligations under the leases and therefore remain contingently liable in the event of default. The remaining terms of the lease obligations and the Company's corresponding indemnifications range up to 26 years. The lease payments under certain leases are subject to market value adjustments and contingent rental payments and therefore, the total contingent obligations under the leases cannot be precisely determined but are likely to total several hundred million dollars. A claim against the Company would be made only upon the current lessee's default and, in certain cases, after a series of claims and corresponding defaults by third parties that precede the Company in the order of liability. The Company also has certain indemnification rights from other parties to recover losses in the event of default on the lease obligations. The Company believes that the likelihood of its performance under these contingent obligations is remote and no liability has been recorded for any potential payments under the contingent lease obligations.

***Certain Legal Matters***

The Company may incur losses associated with these proceedings and investigations, but it is not possible to estimate the amount of loss or range of loss, if any, that might result from adverse judgments, settlements, fines, penalties, or other resolution of these proceedings and investigations based on the stage of these proceedings and investigations, the absence of specific allegations as to alleged damages, the uncertainty as to the certification of a class or classes and the size of any certified class, if applicable, and/or the lack of resolution of significant factual and legal issues. The Company has insurance coverage rights in place (limited in amount; subject to deductible) for certain potential costs and liabilities related to these proceedings and investigations.

***401(k) Plan Lawsuit***

In 2020, two putative class action lawsuits were filed in the U.S. District Court for New Jersey against the Company and other defendants with respect to the Company's 401(k) plan. The complaint alleges, among other things, that the fiduciaries of the 401(k) plan breached their duties by failing to disclose the expenses and risks of plan investment options, allowing unreasonable administration expenses to be charged to plan participants, and selecting and retaining high cost and poor performing investments. In October 2020, the court consolidated the two lawsuits under the caption *In re: Quest Diagnostics ERISA Litigation* and plaintiffs filed a consolidated amended complaint. In May 2021, the court denied the Company's motion to dismiss the complaint.

***AMCA Data Security Incident***

On June 3, 2019, the Company reported that Retrieval-Masters Creditors Bureau, Inc./American Medical Collection Agency ("AMCA") had informed the Company and Optum360 LLC that an unauthorized user had access to AMCA's system between August 1, 2018 and March 30, 2019 (the "AMCA Data Security Incident"). Optum360 provides revenue management services to the Company, and AMCA provided debt collection services to Optum360. AMCA first informed the Company of the AMCA Data Security Incident on May 14, 2019. AMCA's affected system included financial information (e.g., credit card numbers and bank account information), medical information and other personal information (e.g., social security numbers). Test results were not included. Neither Optum360's nor the Company's systems or databases were involved in the incident. AMCA also informed the Company that information pertaining to other laboratories' customers was also affected. Following announcement of the AMCA Data Security Incident, AMCA sought protection under the U.S. bankruptcy laws. The bankruptcy proceeding has been dismissed.

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Numerous putative class action lawsuits were filed against the Company related to the AMCA Data Security Incident. The U.S. Judicial Panel on Multidistrict Litigation transferred the cases still pending to, and consolidated them for pre-trial proceedings in, the U.S. District Court for New Jersey. In November 2019, the plaintiffs in the multidistrict proceeding filed a consolidated putative class action complaint against the Company and Optum360 that named additional individuals as plaintiffs and that asserted a variety of common law and statutory claims in connection with the AMCA Data Security Incident. In January 2020, the Company moved to dismiss the consolidated complaint; the motion to dismiss is pending.

In addition, certain federal and state governmental authorities are investigating, or otherwise seeking information and/or documents from the Company related to the AMCA Data Security Incident and related matters, including the Office for Civil Rights of the U.S. Department of Health and Human Services, Attorneys General offices from numerous states and the District of Columbia, and certain U.S. senators.

***Other Legal Matters***

In the normal course of business, the Company has been named, from time to time, as a defendant in various legal actions, including arbitrations, class actions and other litigation, arising in connection with the Company's activities as a provider of diagnostic testing, information and services. These actions could involve claims for substantial compensatory and/or punitive damages or claims for indeterminate amounts of damages, and could have an adverse impact on the Company's client base and reputation.

The Company is also involved, from time to time, in other reviews, investigations and proceedings by governmental agencies regarding the Company's business which may result in adverse judgments, settlements, fines, penalties, injunctions or other relief.

In addition, certain federal and state statutes, including the *qui tam* provisions of the federal False Claims Act, allow private individuals to bring lawsuits against healthcare companies on behalf of the government or private payers. The Company is aware of lawsuits, and from time to time has received subpoenas, related to billing or other practices based on the False Claims Act or other federal and state statutes, regulations or other laws. The Company understands that there may be other pending *qui tam* claims brought by former employees or other "whistle blowers" as to which the Company cannot determine the extent of any potential liability.

Management cannot predict the outcome of such matters. Although management does not anticipate that the ultimate outcome of such matters will have a material adverse effect on the Company's financial condition, given the high degree of judgment involved in establishing loss estimates related to these types of matters, the outcome of such matters may be material to the Company's consolidated results of operations or cash flows in the period in which the impact of such matters is determined or paid.

These matters are in different stages. Some of these matters are in their early stages. Matters may involve responding to and cooperating with various government investigations and related subpoenas. As of December 31, 2021, the Company does not believe that material losses related to legal matters are probable.

Reserves for legal matters totaled \$4 million and \$1 million as of December 31, 2021 and December 31, 2020, respectively.

***Reserves for General and Professional Liability Claims***

As a general matter, providers of clinical testing services may be subject to lawsuits alleging negligence or other similar legal claims. These suits could involve claims for substantial damages. Any professional liability litigation could also have an adverse impact on the Company's client base and reputation. The Company maintains various liability insurance coverages for, among other things, claims that could result from providing, or failing to provide, clinical testing services, including inaccurate testing results, and other exposures. The Company's insurance coverage limits its maximum exposure on individual claims; however, the Company is essentially self-insured for a significant portion of these claims. Reserves for such matters, including those associated with both asserted and incurred but not reported claims, are established on an undiscounted basis by considering actuarially determined losses based upon the Company's historical and projected loss experience. Such reserves totaled \$159 million and \$138 million as of December 31, 2021 and December 31, 2020, respectively. Management believes that established reserves and present insurance coverage are sufficient to cover currently estimated exposures.

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(in millions unless otherwise indicated)

**19. BUSINESS SEGMENT INFORMATION**

The Company's DIS business is the only reportable segment based on the manner in which the Chief Executive Officer, who is the Company's chief operating decision maker ("CODM"), assesses performance and allocates resources across the organization. The DIS business provides diagnostic information services to a broad range of customers, including patients, clinicians, hospitals, IDNs, health plans, employers, ACOs, and DCEs. The Company is the world's leading provider of diagnostic information services, which includes providing information and insights based on the industry-leading menu of routine, non-routine and advanced clinical testing and anatomic pathology testing, and other diagnostic information services. The DIS business accounted for greater than 95% of net revenues in 2021, 2020 and 2019.

All other operating segments include the Company's DS businesses, which consist of its risk assessment services and healthcare information technology businesses. The Company's DS businesses are the leading provider of risk assessment services for the life insurance industry and offer healthcare organizations and clinicians robust information technology solutions.

As of December 31, 2021, substantially all of the Company's services were provided within the United States, and substantially all of the Company's assets were located within the United States.

The following table is a summary of segment information for the years ended December 31, 2021, 2020 and 2019. Segment asset information is not presented since it is not used by the CODM at the operating segment level. Operating earnings (loss) of each segment represents net revenues less directly identifiable expenses to arrive at operating income (loss) for the segment. General corporate activities included in the table below are comprised of general management and administrative corporate expenses, amortization and impairment of intangibles assets and other operating income and expenses, net of certain general corporate activity costs that are allocated to the DIS and DS businesses. The accounting policies of the segments are the same as those of the Company as set forth in Note 2.

	<u>2021</u>	<u>2020</u>	<u>2019</u>
<b>Net revenues:</b>			
DIS business	\$ 10,494	\$ 9,139	\$ 7,405
All other operating segments	294	298	321
Total net revenues	<u>\$ 10,788</u>	<u>\$ 9,437</u>	<u>\$ 7,726</u>
<b>Operating earnings (loss):</b>			
DIS business	\$ 2,646	\$ 2,201	\$ 1,298
All other operating segments	29	39	42
General corporate activities	(294)	(269)	(109)
Total operating income	<u>2,381</u>	<u>1,971</u>	<u>1,231</u>
<b>Non-operating income (expense), net</b>	<u>218</u>	<u>(87)</u>	<u>(155)</u>
<b>Income from continuing operations before income taxes and equity in earnings of equity method investees</b>	2,599	1,884	1,076
<b>Income tax expense</b>	(597)	(460)	(247)
<b>Equity in earnings of equity method investees, net of taxes</b>	<u>78</u>	<u>75</u>	<u>57</u>
<b>Income from continuing operations</b>	2,080	1,499	886
<b>Income from discontinued operations, net of taxes</b>	<u>—</u>	<u>—</u>	<u>20</u>
<b>Net income</b>	2,080	1,499	906
<b>Less: Net income attributable to noncontrolling interests</b>	85	68	48
<b>Net income attributable to Quest Diagnostics</b>	<u>\$ 1,995</u>	<u>\$ 1,431</u>	<u>\$ 858</u>

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS – CONTINUED**  
(in millions unless otherwise indicated)

Depreciation and amortization expense for the years ended December 31, 2021, 2020 and 2019 were as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
DIS business	\$ 294	\$ 249	\$ 226
All other operating segments	10	8	6
General corporate	104	104	97
Total depreciation and amortization	<u>\$ 408</u>	<u>\$ 361</u>	<u>\$ 329</u>

Capital expenditures for the years ended December 31, 2021, 2020 and 2019 were as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
DIS business	\$ 379	\$ 394	\$ 373
All other operating segments	14	15	20
General corporate	10	9	7
Total capital expenditures	<u>\$ 403</u>	<u>\$ 418</u>	<u>\$ 400</u>

Net revenues by major service for the years ended December 31, 2021, 2020 and 2019 were as follows:

	<u>2021</u>	<u>2020</u>	<u>2019</u>
Routine clinical testing and other services	\$ 4,293	\$ 3,836	\$ 4,206
COVID-19 testing services	2,770	2,723	—
Gene-based and esoteric (including advanced diagnostics) testing services	2,878	2,098	2,620
Anatomic pathology testing services	553	482	579
All other	294	298	321
Total net revenues	<u>\$ 10,788</u>	<u>\$ 9,437</u>	<u>\$ 7,726</u>

## 20. DISCONTINUED OPERATIONS

Discontinued operations, net of taxes, for the year ended December 31, 2019 includes discrete tax benefits of \$20 million associated with the favorable resolution of certain tax contingencies related to NID. In addition, net cash provided by operating activities in the consolidated statement of cash flows for the year ended December 31, 2019 included a \$28 million refund from the taxing authorities related to discontinued operations.

## 21. SUBSEQUENT EVENTS

### *Acquisition of Pack Health, LLC*

On February 1, 2022, the Company acquired Pack Health, LLC ("Pack Health"), a patient engagement company that helps individuals adopt healthier behaviors to improve outcomes, in an all cash transaction for \$105 million with up to \$20 million of contingent consideration if certain revenue benchmarks are achieved.

The preliminary purchase price allocation for the acquisition, which will be accounted for as a business combination, is not provided as the appraisal necessary to assess the fair values of assets acquired and liabilities assumed is not yet complete, but a significant portion of the purchase price is expected to be allocated to intangible assets and goodwill.

**QUEST DIAGNOSTICS INCORPORATED AND SUBSIDIARIES**  
**SCHEDULE II - VALUATION ACCOUNTS AND RESERVES**  
**(in millions)**

	<b>Balance at Beginning of Year</b>	<b>Provision for Credit Losses</b>	<b>Net Deductions and Other</b>	<b>Balance at End of Year</b>
2021				
Allowance for credit losses .....	\$ 28	\$ 4	\$ 1 (a)	\$ 31
2020				
Allowance for credit losses .....	\$ 15	\$ 19	\$ 6 (a)	\$ 28
2019				
Doubtful accounts and allowances .....	\$ 15	\$ 11	\$ 11 (a)	\$ 15

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(a) Primarily represents the write-off of accounts receivable, net of recoveries.