

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

**FORM 10-K**

(Mark One)

- ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended December 31, 2016  
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 1-8323



**CIGNA CORPORATION**

(Exact name of registrant as specified in its charter)

<b>Delaware</b> (State or other jurisdiction of incorporation or organization)	<b>06-1059331</b> (I.R.S. Employer Identification No.)
<b>900 Cottage Grove Road, Bloomfield, Connecticut</b> (Address of principal executive offices)	<b>06002</b> (Zip Code)
<b>(860) 226-6000</b> Registrant's telephone number, including area code	
<b>(860) 226-6741</b> Registrant's facsimile number, including area code	

SECURITIES REGISTERED PURSUANT TO SECTION 12(B) OF THE ACT:

Title of each class	Name of each exchange on which registered
<b>Common Stock, Par Value \$0.25</b>	<b>New York Stock Exchange, Inc.</b>

SECURITIES REGISTERED PURSUANT TO SECTION 12(G) OF THE ACT:

<b>NONE</b>
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Indicate by check mark	Yes	No
• if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of "large accelerated filer", "accelerated filer", and "smaller reporting 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"/>		
• whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The aggregate market value of the voting stock held by non-affiliates of the registrant as of June 30, 2016 was approximately \$32.7 billion.

As of January 31, 2017, 257,052,404 shares of the registrant's Common Stock were outstanding.

Part III of this Form 10-K incorporates by reference information from the registrant's definitive proxy statement related to the 2017 annual meeting of shareholders.

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# CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are based on Cigna's current expectations and projections about future trends, events and uncertainties. These statements are not historical facts. Forward-looking statements may include, among others, statements concerning our business strategy and strategic or operational initiatives including our ability to deliver personalized and innovative solutions for customers and clients; future growth and expansion; future financial or operating performance; economic, regulatory or competitive environments; our projected cash position, future pension funding and financing or capital deployment plans; the proposed merger between Cigna and Anthem, Inc. ("Anthem") and litigation related thereto; statements regarding the timing of resolution of the issues raised by the Centers for Medicare and Medicaid Services ("CMS"); and other statements regarding Cigna's future beliefs, expectations, plans, intentions, financial condition or performance. You may identify forward-looking statements by the use of words such as "believe," "expect," "plan," "intend," "anticipate," "estimate," "predict," "potential," "may," "should," "will" or other words or expressions of similar meaning, although not all forward-looking statements contain such terms.

Forward-looking statements are subject to risks and uncertainties, both known and unknown, that could cause actual results to differ materially from those expressed or implied in forward-looking statements. Such risks and uncertainties include, but are not limited to: our ability to achieve our financial, strategic and operational plans or initiatives; our ability to predict and manage medical costs and price effectively and develop and maintain good relationships with physicians, hospitals and other health care providers; our ability to identify potential strategic acquisitions or transactions and realize the expected benefits of such strategic transactions; the substantial level of government regulation over our business and the potential effects of new laws or regulations or changes in existing laws or regulations; the outcome of litigation, regulatory audits including the CMS review and sanctions, investigations, actions and guaranty fund assessments; uncertainties surrounding participation in government-sponsored programs such as Medicare; the effectiveness and security of our information technology and other business systems; unfavorable industry, economic or political conditions including foreign currency movements; ongoing litigation with respect to the ruling of the District Court enjoining the merger, including the appeal of that ruling; potential adverse reactions or changes to business or employee relationships, including those resulting from the announcement of the ruling enjoining the merger; uncertainty as to litigation with respect to the termination of the merger agreement, the reverse termination fee, declaratory judgments with respect to the foregoing and/or contract and non-contract damages for claims filed against Anthem; the risk that a government entity or court of competent jurisdiction, in any litigation, arbitration or other forum, finds in any binding or non-binding decision that Cigna has not complied, in full or in part, with its obligations under the merger agreement or that Cigna is liable for any breach, willful or otherwise, of the merger agreement; uncertainty as to whether and, if so, when Anthem will pay the reverse termination fee; uncertainty as to litigation with respect to the suit initiated by Anthem against Cigna, including for contract and non-contract damages with respect to the transactions contemplated in the merger agreement; competitive responses to the ruling; the inability to retain key personnel; the timing and likelihood of completion of the proposed merger, including the timing, receipt and terms and conditions of any required governmental and regulatory approvals for the proposed merger that could reduce anticipated benefits or cause the parties to abandon the transaction; if the merger is consummated, the possibility that the expected synergies and value creation from the proposed merger will not be realized or will not be realized within the expected time period; if the merger is consummated, the risk that the businesses of Cigna and Anthem will not be integrated successfully; disruption from the proposed merger making it more difficult to maintain business and operational relationships; the risk that unexpected costs will be incurred; the possibility that the proposed merger does not close, including a failure to satisfy the closing conditions; the risk that financing for the proposed merger may not be available on favorable terms, as well as more specific risks and uncertainties discussed in Part I, Item 1A - Risk Factors and Part II, Item 7 - Management's Discussion and Analysis of Financial Condition and Results of Operations of this Form 10-K and as described from time to time in our future reports filed with the Securities and Exchange Commission (the "SEC") as well as the risks and uncertainties described in Anthem's most recent report on Form 10-K and subsequent reports filed with the SEC.

You should not place undue reliance on forward-looking statements that speak only as of the date they are made, are not guarantees of future performance or results, and are subject to risks, uncertainties and assumptions that are difficult to predict or quantify. Cigna undertakes no obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as may be required by law.

# PART I

## ITEM 1. Business

### Overview

Cigna Corporation, together with its subsidiaries (either individually or collectively referred to as “Cigna,” the “Company,” “we,” “our” or “us”) is a global health services organization dedicated to a mission of helping individuals improve their health, well-being and sense of security. To execute on our mission, Cigna’s strategy is to “Go Deep”, “Go Global” and “Go Individual” with a differentiated set of medical, dental, disability, life and accident insurance and related products and services offered by our subsidiaries.



In an increasingly retail-oriented marketplace, we focus on delivering **affordable** and **personalized** products and services to customers through employer-based, government sponsored and individual coverage arrangements. We increasingly collaborate with health care providers to continue the transition from volume-based fee for service arrangements toward a more value-based system designed to increase quality of care, lower costs and improve health outcomes. We operate a customer-centric organization enabled by keen **insights** regarding customer needs, **localized** decision-making and **talented** professionals committed to bringing our “Together All the Way” **brand** promise to life.

In particular, over the past several years, to achieve the goals of better health, affordability, localization and an improved experience for the customer, we have continued expanding our participation in collaborative care and other delivery arrangements with health care professionals across the care delivery spectrum, including large and small physician groups, specialist groups and hospitals. More recently, we have developed innovative tools and flexible provider arrangements that provide a truly personalized customer experience. These arrangements and tools are discussed in more detail in the “Global Health Care” section of this Annual Report on Form 10-K (“Form 10-K”) beginning on page 3.

We present the financial results of our businesses in the following three reportable segments:

**Global Health Care** aggregates the Commercial and Government operating segments.

- The **Commercial** operating segment encompasses both the U.S. commercial and certain international health care businesses serving employers and their employees, other groups, and individuals. In this segment, we refer to employer or other groups as the “client” and the individual as the “customer.” Products and services include medical, dental, behavioral health, vision, and prescription drug benefit plans, health advocacy programs and other products and services to insured and self-insured customers.

PART I  
ITEM 1. Business

- The **Government** operating segment offers Medicare Advantage and Medicare Part D plans to seniors and Medicaid plans.

**Global Supplemental Benefits** offers supplemental health, life and accident insurance products in selected international markets and in the U.S.

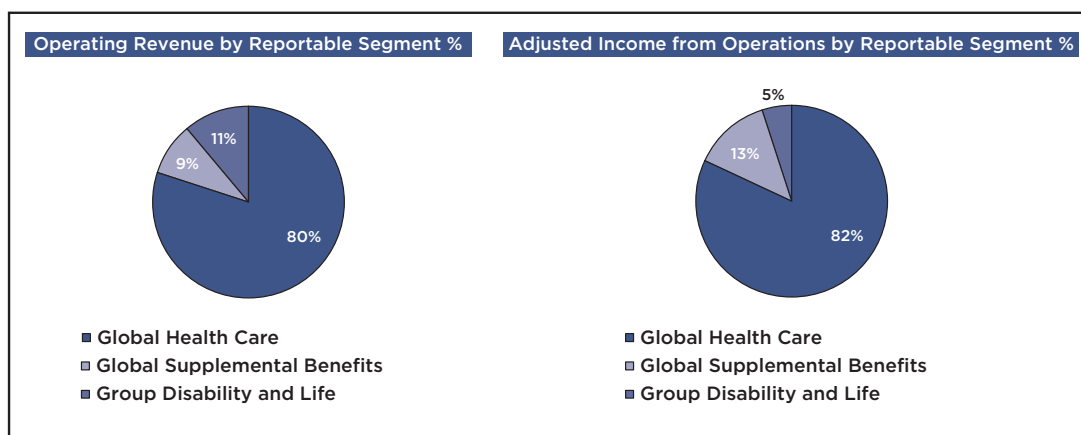
**Group Disability and Life** provides group long-term and short-term disability, group life, accident and specialty insurance products and related services.

**Financial Results for the year ended and as of December 31, 2016 (in billions)**

Consolidated basis:		Consolidated basis:	
Total revenues	\$ 39.7	Shareholders' net income	\$ 1.9
Operating revenues <sup>(1)</sup>	\$ 39.5	Adjusted income from operations <sup>(1)</sup>	\$ 2.1
Total assets	\$ 59.4	Total shareholders' equity	\$ 13.7
Reportable segments results <sup>(2)</sup> :		Reportable segments results <sup>(2)</sup> :	
Operating revenues <sup>(1)</sup>	\$ 39.0	Adjusted income from operations <sup>(1)</sup>	\$ 2.3

(1) See page 36 for the definition of these metrics.

(2) Global Health Care, Global Supplemental Benefits and Group Disability and Life segments



We present the remainder of our segment results in **Other Operations**, consisting of the corporate-owned life insurance business (“COLI”), run-off reinsurance and settlement annuity businesses and deferred gains associated with the sales of the individual life insurance and annuity and retirement benefits businesses.

Our revenues are derived principally from premiums on insured products, fees from self-insured products and services, mail-order pharmacy sales and investment income.

## Proposed Merger with Anthem, Inc. (“Anthem”)

On July 23, 2015, we entered into a definitive agreement to engage in a series of transactions to merge Cigna with Anthem, subject to certain terms, conditions and customary operating covenants, with Anthem continuing as the surviving company. At special shareholders’ meetings in December 2015, Cigna shareholders approved the merger with Anthem and Anthem shareholders voted to approve the issuance of shares of Anthem common stock according to the merger agreement. Upon closing, our shareholders would receive \$103.40 in cash and 0.5152 of a share of Anthem common stock for each common share of the Company.

Consummation of the merger is subject to certain customary conditions, including the receipt of certain necessary governmental and regulatory approvals, and the absence of a legal restraint prohibiting the consummation of the merger. On July 21, 2016, the U.S. Department of Justice (“DOJ”) and certain state attorneys general filed a civil antitrust lawsuit in the U.S. District Court for the District of Columbia (the “District Court”) seeking to block the merger and, on January 4, 2017, the parties concluded the District Court trial. On February 8, 2017, the District Court issued an order enjoining the proposed merger. Anthem appealed this ruling to the U.S. Court of Appeals for the District of Columbia Circuit (the “Appeals Court”). Cigna appealed following the Chancery Court decision described below, and oral arguments for the appeal are scheduled for March 24, 2017.

On February 14, 2017, Cigna delivered a notice to Anthem terminating the merger agreement and filed suit in the Delaware Court of Chancery (the “Chancery Court”) seeking, among other things, declaratory judgment that Cigna’s termination of the merger agreement is lawful and that Anthem does not have the right to extend the merger agreement termination date. Later that day, Anthem filed a lawsuit in the Chancery Court against us seeking, among other things, a temporary restraining order to enjoin Cigna from terminating the merger agreement, specific performance and damages, and, on February 15, 2017, the Chancery Court issued an order temporarily enjoining the Company from terminating the merger agreement. This order will be subject to further review at a preliminary injunction hearing.

See Notes 3 and 21 to the Consolidated Financial Statements in this Form 10-K for additional information about the proposed merger. See Item 1A. - Risk Factors in this Form 10-K for risks to our business due to the proposed merger.

## The Health Care Reform Act

The Patient Protection and Affordable Care Act and the Health Care and Education Reconciliation Act (collectively referred to throughout this Form 10-K as the “Health Care Reform Act,” “ACA” or “PPACA”) continues to have a significant impact on our business operations. With the outcome of the U.S. elections in 2016, and the advent of the Trump Administration in January 2017, the future of the Health Care Reform Act is uncertain. The effects of the Health Care Reform Act are discussed throughout this Form 10-K where appropriate, including in the Global Health Care business description, Regulation, Risk Factors, Management’s Discussion and Analysis of Financial Condition and Results of Operations (“MD&A”), and the Notes to the Consolidated Financial Statements.

## Other Information

The financial information included in this Form 10-K for the fiscal year ended December 31, 2016 is in conformity with accounting principles generally accepted in the United States of America (“GAAP”) unless otherwise indicated. Industry rankings and percentages set forth herein are for the year ended December 31, 2016 unless otherwise indicated. In addition, statements set forth in this document concerning our rank or position in an industry or particular line of business have been developed internally based on publicly available information unless otherwise noted.

Cigna Corporation was incorporated in Delaware in 1981. Our annual, quarterly and current reports, proxy statements and other filings, and any amendments to these filings, are made available free of charge on our website (<http://www.cigna.com>, under the “Investors - Quarterly Reports and SEC Filings” captions) as soon as reasonably practicable after we electronically file these materials with, or furnish them to, the Securities and Exchange Commission (the “SEC”). We use our website as a channel of distribution for material company information. Important information, including news releases, analyst presentations and financial information regarding Cigna is routinely posted on and accessible at [www.cigna.com](http://www.cigna.com). See “Code of Ethics and Other Corporate Governance Disclosures” in Part III, Item 10 beginning on page 115 of this Form 10-K for additional available information.

## Global Health Care

### How We Win

- **Broad and deep portfolio of solutions** across Commercial and Government operating segments
- **Committed** to highest quality health outcomes and customer experiences
- **Differentiated** physician engagement models emphasizing value over volume of services
- **Innovative solutions** that deliver value for our customers, clients and partners
- **Technology** powering actionable insights and affordable, personalized solutions
- **Talented and caring people** embracing change and putting customers at the center of all we do

### Products and Services

- Medical
- Stop Loss
- Dental
- Vision
- Pharmacy
- Behavioral
- Health Advocacy and Coaching
- Medicare Advantage
- Medicare Part D
- Medicaid

### Funding Types

- Administrative Services Only (ASO)
- Guaranteed Cost
- Experience Rated

### Physician Engagement

- Collaborative Accountable Care Organizations
- Independent Practice Associations
- CareAllies
- Delivery System Alliances
- Customer Engagement

### Customer Segments

- National
- Middle Market
- Select
- Individual
- Government
- International

### Distribution Channels

- Insurance brokers and consultants
- Sales representatives
- Cigna private exchange
- 3<sup>rd</sup> party private exchanges
- Public exchanges

We seek to differentiate ourselves in this business by providing innovative personalized and affordable health care solutions to our clients and customers. As a leader in the drive to transition the health care delivery system from volume-based reimbursements to a value orientation, our strategy is to accelerate our engagement with employers and individuals in order to: 1) increase our customers’ involvement in their health care and 2) develop deep insights into customer needs. Our differentiated approach also targets selected geographies and market segments and, within those local markets, stronger relationships with health care providers that promote quality and affordability of care for our customers and clients.

Innovation is core to the way we do business. We seek new and innovative solutions through technology and physician engagement to drive efficiencies, as well as bring differentiated value to our customers. Product development in the following areas reflects our innovative approach: our industry-leading CDHP (consumer-directed health plan) offerings; the recently introduced Cigna One Guide® program that combines a state-of-the-art digital experience with a human concierge service; and the Cigna SureFit® network that allows individual family members to choose their personal care networks, consistent with their health needs and provider preferences.

Our Commercial operating segment encompasses both our U.S. commercial and certain international health care businesses serving employers and their employees, including globally-mobile individuals, and other groups (e.g., governmental and non-governmental organizations, unions and associations). In addition, our U.S. commercial health care business also serves individuals through our product offerings both on and off the public health insurance exchanges.

## Principal Products and Services

### *Commercial Medical Health Plans – U.S. and International*

The Commercial operating segment, either directly or through its partners, offers some or all of its products in all 50 states, the District of Columbia, the U.S. Virgin Islands, Canada, Europe, the Middle East, Asia, Africa and Australia. We offer a variety of medical plans including:

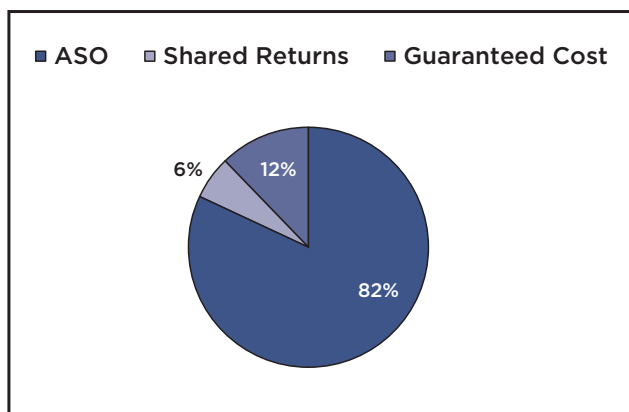
- *Managed Care Plans including HMO, Network, Network Open Access and Open Access Plus.* We offer health care services through insured and self-insured indemnity managed care benefit plans and Health Maintenance Organizations (“HMOs”) that use meaningful cost-sharing incentives to encourage the use of “in-network” versus “out-of-network” health care providers and provide the option to select a primary care physician. The national provider network for Managed Care Plans is somewhat smaller than the national network used with the preferred provider (“PPO”) plan product line. If a particular plan covers non-emergency services received from a non-participating health care provider, the customer’s cost-sharing obligation is usually greater for the out-of-network care.
- *PPO Plans.* Our PPO product line features a network with broader provider access than the Managed Care Plans. The preferred provider product line may be at a higher cost than our Managed Care Plans.
- *Choice Fund® Suite of Consumer-Driven Products.* Our medical plans are often integrated with the Cigna Choice Fund suite of products: Health Reimbursement Accounts (“HRA”), Health Savings Accounts (“HSA”) and Flexible Spending Accounts (“FSA”). These Choice Fund products are designed to encourage customers to play an active role in understanding and managing their health and associated expenses. Customers can use these tax-advantaged accounts to finance eligible health care expenses and other approved services. In most cases, these products are combined with a high deductible medical plan. Over three million customers have chosen Choice Fund product solutions.
- *Cigna Connect* is an individual plan offered in markets within eight states. The product is comprised of a network of health care providers in local areas who have been selected with cost and quality in mind. Customers who participate in the Connect network will receive care at Cigna’s lower negotiated rates to help keep out-of-pocket costs down. Out-of-network coverage is not available except for urgent and emergent care.
- *Cigna Focus* is an individual plan offered in one market. The product is comprised of a network of health care providers in the local area where members have direct access to providers, where no referrals or PCP selection is required. Out-of-network coverage is not available except for urgent and emergent care.

Approximately 90% of our commercial medical customers are enrolled in medical plans with either Administrative Services Only or Experience-Rated funding arrangements that allow the corporate client to directly benefit from lower medical costs.



The funding arrangements available for our commercial medical and dental health plans are as follows:

### **Funding Arrangements and Descriptions: Commercial**



#### **Administrative Services Only**

- Plan sponsors self-fund all claims, but may purchase stop loss insurance to limit exposure.
- We collect fees from plan sponsors for providing access to our participating provider network and for other services and programs including: claims administration; behavioral health; disease management; utilization management; cost containment; dental; and pharmacy benefit management.
- In some cases, we provide performance guarantees that provide potential fee refunds if certain service standards, clinical outcomes or financial metrics are not met.

#### **Insured - Experience Rated (“Shared Returns”)**

- Premium charged during a policy period (“initial premium”) may be adjusted following the policy period for actual claim and, in some cases, administrative cost experience of the policyholder:
  - When claims and expenses are less than the initial premium charged (an “experience surplus”), the policyholder may be credited for a portion of this premium.
  - However, if claims and expenses exceed the initial premium (an “experience deficit”), we bear these costs. In certain cases, experience deficits may be recovered through experience surpluses in a future year if the policyholder renews.

#### **Insured - Guaranteed Cost**

- We establish the cost to the policyholder at the beginning of a policy period and generally cannot subsequently adjust premiums to reflect actual claim experience until the next annual renewal.
- Employers and other groups with guaranteed cost policies are generally smaller than those with experience-rated group policies. Accordingly, our claim and expense assumptions may be based in whole or in part on prior experience of the policyholder or on a pool of similar policyholders.
- HMO and individual plans (medical and dental) are offered on a guaranteed cost basis only. Individual and “small employer” (employers with 50 or fewer employees) plans are required to be community-rated under federal law.

In most states, individual and group insurance premium rates must be approved by the applicable state regulatory agency (typically department of insurance) and state or federal laws may restrict or limit the use of rating methods. Premium rates for groups and individuals are subject to state review for reasonableness. In addition, the Health Care Reform Act subjects individual and small group policy rate increases above an identified threshold to review by the United States Department of Health and Human Services (“HHS”) and requires payment of premium refunds on individual and group medical insurance products if minimum medical loss ratio (“MLR”) requirements are not met. In our individual business, premiums may also be adjusted as a result of the government risk mitigation programs. The MLR represents the percentage of premiums used to pay medical claims and expenses for activities that improve the quality of care. See the “Regulation” section of this Form 10-K for additional information on the commercial MLR requirements and the risk mitigation programs of the Health Care Reform Act.

## **Government Health Plans**

### **Medicare Advantage**

We offer Medicare Advantage plans in 17 states and the District of Columbia through our Cigna-HealthSpring brand. Under such a plan, Medicare-eligible beneficiaries may receive health care benefits, including prescription drugs, through a managed care health plan such as our coordinated care plans. A significant portion of our Medicare Advantage customers receive medical care from our innovative plan models that focus on developing highly engaged physician networks, aligning payment incentives to improved health outcomes, and using timely and transparent data sharing. We are focused on continuing to expand these models in the future.

We receive revenue from the Centers for Medicare and Medicaid Services (“CMS”) for each plan customer based on customer demographic data and actual customer health risk factors compared to the broader Medicare population. We also may earn additional revenue from CMS related to quality performance measures (known as “Star Ratings”). The Medicare Stars payment equals 5% per member risk-adjusted revenue added to the CMS payment for each contract that achieves four stars or higher. See the “Executive Overview” section of our MD&A beginning on page 36 of this Form 10-K for additional discussion of our Star ratings. Additional premiums may be received from customers, representing the difference between CMS subsidy payments and the revenue determined as part of our annual Medicare Advantage bid submissions. The Health Care Reform Act requires Medicare Advantage and Medicare Part D plans to meet a minimum MLR of 85%. If the MLR for a CMS contract

is less than 85%, we are required to pay a rebate to CMS and could be required to make additional payments if the MLR continues to be less than 85% for successive years.

## Medicare Part D

Our Medicare Part D prescription drug program provides a number of plan options, as well as service and information support, to Medicare and Medicaid eligible customers. Our plans are available in all 50 states and the District of Columbia and offer the savings of Medicare combined with the flexibility to provide enhanced benefits and a drug list tailored to individuals' specific needs. Eligible beneficiaries benefit from broad network access and value-added services intended to help keep them well and save them money.

## Medicaid

We offer Medicaid coverage to low income individuals in selected markets in Texas and Illinois. Our Medicaid customers benefit from many of the coordinated care aspects of our Medicare Advantage programs.

We receive revenue from the states of Texas and Illinois for our Medicaid only customers. For customers eligible for both Medicare and Medicaid ("dual eligibles") we receive revenue from both the state and CMS. All revenue is based on customer demographic data and actual customer health risk factors. Similar to Medicare Advantage, there are minimum MLR requirements in Illinois (85% for the dual product and 88% for the Medicaid only product). However, Texas utilizes an experience rebate in an effort to provide better value to consumers and increase transparency. The Texas experience rebate takes into account operating expenses and requires a rebate of dollars to the state as different profitability thresholds are met.

## Specialty Products and Services

Our specialty products and services described below are designed to improve the quality of care, lower the cost and help customers achieve better health outcomes. Many of these products can be sold on a standalone basis, but we believe they are most effective when integrated with a Cigna-administered health plan. Our specialty products are focused in the areas of medical, behavioral, pharmacy management, dental and vision.

### Medical Specialty

- *Stop Loss.* We offer stop loss insurance coverage for self-insured plans that provides reimbursement for claims in excess of a predetermined amount for individuals ("specific"), the entire group ("aggregate"), or both.
- *Cost-Containment Service.* We administer cost-containment programs on behalf of our clients and customers for health care services and supplies that are covered under health benefit plans. These programs may involve vendors who perform activities designed to control health costs by reducing out-of-network utilization and costs, including educating customers regarding the availability of lower cost, in-network services, negotiating discounts, reviewing provider bills, and recovering overpayments from other payers or health care providers. We charge fees for providing or arranging for these services.
- *Consumer Health Engagement.* We offer a wide array of medical management, disease management, and wellness services to employers and other plan sponsors to help individuals improve their health, well-being and sense of security. These services are offered to customers covered under plans that we administer, as well as plans insured or administered by competing insurers or third-party administrators. Our *Medical Management* programs include case management, specialty case management and utilization management including a 24-hour nurse information line. Our *Health Advocacy* programs and services include early intervention in the treatment of chronic conditions (such as Asthma, Diabetes, etc.). We also offer a combination of online tools and education programs to help customers manage their health and an array of health and wellness coaching to address lifestyle management issues (such as stress, weight, and tobacco cessation) and other conditions (such as Hypertension, Hyperlipidemia, Pre-Diabetes, etc.). We also administer incentives to motivate customers to engage in and improve their health.

### Pharmacy Management

We offer prescription drug plans to our commercial and government customers both in conjunction with our medical products and on a stand-alone basis. With a network of over 68,000 pharmacies, Cigna Pharmacy Management is a comprehensive pharmacy benefits manager ("PBM") offering clinical programs and specialty pharmacy solutions. We also offer high quality, efficient, and cost-effective mail order, telephone and on-line pharmaceutical fulfillment services through our home delivery operation.

Our medical and pharmacy coverage can meet the needs of customers with complex medical conditions requiring specialty pharmaceuticals. These types of medications are covered under both pharmacy and medical benefits and can be expensive, often requiring associated lab work and administration by a health care professional. Therefore, coordination is critical in improving affordability and outcomes. Clients with Cigna-administered medical and pharmacy coverage may benefit from continuity of care, integrated reporting, and meaningful unit cost discounts on specialty drugs.

### Behavioral Health

We arrange for behavioral health care services for customers through our network of approximately 108,700 participating behavioral health care professionals and 13,900 facilities and clinics. We offer behavioral health care case management services, employee assistance programs ("EAP"), and work/life programs to employers, government entities and other groups sponsoring health benefit plans. We focus on integrating our programs and services with medical, pharmacy and disability programs to facilitate customized, holistic care.

## Dental

We offer a variety of insured and self-insured dental care products including dental health maintenance organization plans (“Dental HMO”) in 36 states, dental preferred provider organization (“Dental PPO”) plans in 49 states and the District of Columbia, exclusive dental provider organization plans, traditional dental indemnity plans and a dental discount program. Employers and other groups can purchase our products as stand-alone products or integrated with medical products. Additionally, individual customers can purchase Dental PPO plans in conjunction with individual medical policies.

Cigna has partnered with a healthcare technology company, to launch an online consumer engagement tool for Dental PPO customers in 2016. This enhancement allows Cigna Dental PPO customers to schedule appointments online, compare out-of-pocket costs across multiple dentists, and access information that evaluates the dentist’s professional history, affordability, and service quality.

As of December 31, 2016, our dental customers totaled 15 million worldwide and approximately 65% are enrolled in plans with funding arrangements that allow the corporate client to directly benefit from lower dental costs. Our U.S. customers access care from one of the largest Dental PPO networks and Dental HMO networks, with approximately 142,700 Dental PPO and 19,800 Dental HMO health care professionals.

## Vision

Cigna Vision offers flexible, cost-effective PPO coverage that includes a range of both in and out-of-network benefits for routine vision services offered in conjunction with our medical and dental product offerings. Our national vision care network, consisting of approximately 84,000 health care providers in over 26,200 locations, includes private practice ophthalmologist and optometrist offices, as well as retail eye care centers.

## Service and Quality

### Customer Service

For U.S.-based customers, we operate 17 service centers that together in 2016 processed approximately 163 million medical claims and handled 32.5 million calls providing our customers service 24 hours a day, 365 days a year.

In our international health care business, we have a service model dedicated to the unique needs of our 1.5 million customers around the world. We service them from nine globally deployed service centers that are also available 24 hours a day, 365 days a year.

### Technology

Cigna Technology supports the Go Deep, Go Global, Go Individual strategy by focusing on strong foundational services, executing on an aligned business portfolio and targeting innovation and digital enhancements in key differentiating areas. Paramount to our global information technology strategy is supporting the imperatives of affordability, personalization and localization. Our goal is a continued focus on targeted technology investments to enable our strategic business objectives. This is accomplished by delivering innovative technology that enables more efficient operations, improves process integrity, builds stronger relationships with our key stakeholders; optimizes our economies of scale; and maximizes delivery of flexible payment arrangements, innovative products and services and intelligent analytics to support evidence-based medicine. Through continued execution of these capabilities, we are able to better and more rapidly deliver market-differentiating and innovative solutions.

Our approach to innovation is based on three major pillars: 1) **organic development** that creates new capabilities through internal research and development; 2) **venture partnerships/early-stage investments** where we are working with other external stakeholders; and 3) **client-centric prototyping** that develops solutions directly with clients to address specific needs. This approach to innovation has fueled our ability to rapidly innovate and bring to market solutions that differentiate us from competitors. This has resulted in an increased number of solutions that improve affordability, increase patient access and optimize the consumer experience. Examples include capabilities such as Cigna Virtual Health, first launched in the United Kingdom as the first totally digital virtual care team to Cigna One Guide® that simplifies and streamlines the entire customer experience in a highly personalized manner. Cigna has launched a growing portfolio that leverages emerging technologies such as artificial intelligence based predictive analytics, augmented reality and virtual reality, social experiences and gamification. Innovation is core to the way we do business and we continuously seek opportunities to drive efficiencies and create a superior customer experience through technology.

### Data Analytics

Cigna has transformed substantial investments in analytics talent, data infrastructure, and machine learning capabilities over the past several years into a closed loop, self-learning insights system that guides our decision making and executing on our strategy. Our Insights That Matter analytics process helps our business leaders identify the questions that matter most to our customers and partners. We focus our data science experts on answering those questions with innovative methodologies and transform our insights into targeted business actions.

Cigna is using advanced analytic capabilities throughout all facets of the business to:

- Identify and quantify the financial and clinical cost of discrete health opportunities and insights into how to best engage individual customers (e.g., digitally, phone, physician based). We convert these insights into a Health Matters Score that is used to connect each customer to the right clinical services and drive better clinical, financial, and quality outcomes.
- Enable customized service experiences. In our pharmacy business we are proactively offering our customers value added pharmacy and medical services during inbound customer calls, realizing the value of an integrated medical and pharmacy offering. To maximize impact, we apply our proprietary Customer Segmentation models to tailor customer communications to make interactions more meaningful.

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- Build a deep understanding of risk adjusted total cost and quality performance metrics at the individual physician level and aggregate market level to develop relative benchmarks. This data is being used to fuel our drive to fee for value physician reimbursements and flexible provider networks.
- Leverage advanced analytic models and tools to better identify prospects that best align with Cigna's mission and value proposition for our client engagement team.

Going forward, we view insights as a strategic imperative and will continue to heavily invest in expanding and strengthening our capabilities to meet and exceed our customer and partner expectations.

## **Quality Health Care**

Our commitment to promoting quality health care to the people we serve is reflected in a variety of activities.

### **Health Improvement through Engaging Providers and Customers**

Cigna improves health outcomes and reduces health care costs by engaging our customers in their health, connecting them with value-oriented providers, and improving how care is delivered and reimbursed. We are focused on executing our Connected Care strategy that engages both providers and customers, optimizing their interactions to drive better health, affordability, and experience. Cigna is committed to developing innovative solutions that span the health care delivery system and can be applied to different types of providers. Currently we have numerous collaborative arrangements with our participating health care providers and are actively developing new arrangements to support our Connected Care strategy. The key principles that guide our innovative solutions include:

- Improving access to care at the local market level,
- Collaborating with and supporting providers in their evolution to value-based care,
- Leveraging actionable patient information, enhancing the patient experience,
- Improving affordability and
- Shifting reimbursement mechanisms to those that reward quality medical outcomes.

We continue to increase our engagement with physicians and hospitals by rapidly developing the types of arrangements discussed below. Over two million medical customers are currently serviced by more than 95,000 health care providers in these types of arrangements.

#### **• Cigna Collaborative Care.**

- *Collaborative Accountable Care ("CAC")* - currently we have approximately 170 collaborative care arrangements with large primary care groups built on the patient-centered medical home and accountable care organization ("ACO") models. Our CAC arrangements span 30 states and reach 1.9 million customers and we are committed to increasing the number of CACs over the next several years. Our goal is to reach approximately 190 of these programs in 2017.
- *Hospital Quality Incentive Program* - compensation paid to approximately 390 hospitals is tied to quality metrics and we expect to reach approximately 450 hospitals by the end of 2017.
- *Specialty Care Collaboration Program* - we continue to develop arrangements with specialists including programs such as National Obstetrics/Gynecology and our program to reimburse providers for individual "episodes of care" (services performed to treat a specific medical condition).

• **Independent Practice Associations** are innovative physician engagement models in our Cigna-HealthSpring business that allow the physician groups to share financial outcomes with us. The Cigna-HealthSpring clinical model also includes outreach to new and at-risk patients to ensure they are accessing their primary care physician.

• **CareAllies.** On June 9, 2016, we announced the formation of CareAllies, the new U.S. based population health company focused on helping physicians manage the health of their patients and improve their health outcomes. CareAllies will partner with physicians, provider groups and health systems to develop customized solutions that help them meet their goals across all patients and all payers.

• **Delivery System Alliances.** Cigna is collaborating with select health care delivery systems to develop compelling and unique strategic relationships focused on addressing the local market's unique health care needs. This includes jointly developed products designed to improve the experience of Cigna customers by offering integrated health care and providing access to quality, value-based care in local communities.

• **Customer Engagement Products - Cigna One Guide®.** Cigna is also delivering a personalized experience to help our customers navigate the complex health care system and make important health care choices. Starting January 1, 2017, 1.2 million Cigna commercial health plan customers will receive Cigna One Guide® access to guided consultations via phone, mobile app and "Click-to-Chat" for choosing their benefits, building a personal health team of doctors, clinicians and coaches and reducing their health expenses through reward programs.

In the international healthcare business we use the Net Promoter Score (NPS) approach to continually gather insights from customers and healthcare professionals around the world and to guide how we proactively enhance product and service offerings.

### **Participating Provider Network**

We provide our customers with an extensive network of participating health care professionals, hospitals, and other facilities, pharmacies and providers of health care services and supplies. In most instances, we contract with them directly; however, in some instances, we contract with third parties for access to their provider networks and care management services. In addition, we have entered into strategic alliances with

several regional managed care organizations (e.g., Tufts Health Plan, HealthPartners, Inc., Health Alliance Plan, and MVP Health Plan) to gain access to their provider networks and discounts.

We credential physicians, hospitals and other health care professionals in our participating provider networks using quality criteria that meet or exceed the standards of external accreditation or state regulatory agencies, or both. Typically, most health care professionals are re-credentialed every three years.

The *Cigna Care Network*<sup>®</sup>, a benefit design option available in 74 markets across the U.S., is a subset of participating specialist physicians designated based on specific clinical quality and cost-efficiency criteria. Customers in Cigna Care Network<sup>®</sup> plans pay reduced co-payments or co-insurance when they receive care from a specialist designated as a Cigna Care Network<sup>®</sup> physician. Participating specialists are evaluated regularly for the Cigna Care Network<sup>®</sup> designation.

LocalPlus<sup>®</sup> is a locally-tailored network of select health care providers and facilities designed to provide cost-effective and quality care. It links multiple local networks across geographic markets to provide consistency for both employers and the customers. LocalPlus is available in 18 markets as of the end of 2016 and will be available in 21 markets by the end of 2017.

*Cigna SureFit*<sup>®</sup> is a local network built around particular health care delivery systems with a focus on the dynamics of local market care delivery. It is designed to deliver maximum value in a particular market. Cigna SureFit<sup>®</sup> is available in three U.S. Commercial markets in 2017, and will be available in 11 markets in 2018.

## Medical Care and Onsite Services

- **Cigna Medical Group** is a multi-specialty medical group practice that delivers primary care and certain specialty care services through 20 medical facilities and 156 clinicians in Phoenix, Arizona. These health care centers have received the highest accreditation (level 3) from the National Committee for Quality Assurance (“NCQA”).
- **LivingWell Health Centers by HealthSpring**<sup>®</sup>. Medicare Advantage customers may receive care from one of our four free-standing clinics and eight “embedded” clinics that incorporate the principles and resources of stand-alone clinics while allowing the customer access to their primary care physician.
- **Cigna Onsite Health** provides employer-based onsite or nearby health centers and health and wellness coaches with nearly 52 health centers and 142 health coaches. Care delivery services include acute, episodic care, primary care, health and wellness coaching programs and biometric screenings. Virtual Health care services are also available to help extend access to care for both coaching and treatment services.

## External Validation

We continue to demonstrate our commitment to quality and have a broad scope of quality programs validated through nationally recognized external accreditation organizations. We maintained Health Plan accreditation from the NCQA in 37 of our markets. Additional NCQA recognitions include Full Accreditation for Managed Behavioral Healthcare Organization for Cigna Behavioral Health, Accreditation with Performance Reporting for Wellness & Health Promotion, Accreditation for our wellness programs and Physician & Hospital Quality Certification for our provider transparency program. We have Full Accreditation for Health Utilization Management, Case Management, Pharmacy Benefit Management and Specialty Pharmacy from URAC, an independent, nonprofit health care accrediting organization dedicated to promoting health care quality through accreditation, certification and commendation.

We participate in the NCQA’s Health Plan Employer Data and Information Set (“HEDIS<sup>®</sup>”) Quality Compass Report, whose Effectiveness of Care measures are a standard set of metrics to evaluate the effectiveness of managed care clinical programs.

## Markets and Distribution

We offer health care and related products and services in the following customer segments or markets:

		<b>% of Medical Customers</b>
<b>National</b>	Multi-state employers with 5,000 or more U.S.-based, full-time employees. We offer primarily ASO funding solutions in this market segment.	23%
<b>Middle Market</b>	Employers generally with 250 to 4,999 U.S.-based, full-time employees. This segment also includes single-site employers with more than 5,000 employees and Taft-Hartley plans and other groups. We offer ASO, experience-rated and guaranteed cost insured funding solutions in this market segment.	53%
<b>Select</b>	Employers generally with 51-249 eligible employees. We offer ASO (often with stop-loss insurance coverage) and guaranteed cost insured funding solutions in this market segment.	9%
<b>Individual</b>	Individuals in thirteen states for 2016: Arizona, California, Colorado, Connecticut, Florida, Georgia, North Carolina, Maryland, Missouri, New Jersey, South Carolina, Tennessee and Texas. In 2016, we offered coverage on seven public health insurance exchanges (Arizona, Colorado, Georgia, Maryland, Missouri, Tennessee and Texas). In 2017, we offer plans in fifteen states. We have plans on public health insurance exchanges in seven states (Colorado, Illinois, Maryland, Missouri, North Carolina, Tennessee, and Virginia) and off-exchange in eight states (Arizona, California, Connecticut, Florida, Georgia, New Jersey, South Carolina, and Texas). Consistent with the regulations for Individual PPACA compliant plans, we offer plans only on a guaranteed cost basis in this market segment.	1%
<b>Government</b>	Individuals who are post-65 retirees, as well as employer group sponsored pre- and post-65 retirees. We offer Medicare Advantage, Prescription Drug programs, and Medicaid products in this market segment including dual-eligible members who receive both Medicare and Medicaid benefits.	4%
<b>International</b>	Local and multinational companies and inter-governmental organizations and their local and globally-mobile employees and dependents working or travelling in more than 190 countries and jurisdictions. We offer guaranteed cost, experience-rated insured and ASO funding solutions in this market segment.	10%



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Cigna Guided Solutions® is Cigna's benefit administration and private exchange solution that targets clients who value fully integrated solutions and focus on engaging employees in their benefit offering. It leverages Cigna's ability to provide a fully integrated solution with our broad spectrum of products, benefit plans, services, and full suite of funding options focused on improving total cost, health, and productivity. Through Cigna Guided Solutions®, employers enjoy simplified administration and the convenience of single source purchasing while employees receive more choice via an easy-to-use shopping experience and year round engagement. Together with integrated robust decision-support tools, employees are able to make personalized decisions to select the right benefit offering and get the most value from their plans.

In addition, Cigna participates on many third party private exchanges. We actively evaluate private exchange participation opportunities as they emerge in the market, and target our participation to those models that best align with our mission and value proposition.

We employ sales representatives to distribute our products and services through insurance brokers and insurance consultants or directly to employers, unions and other groups or individuals. We also employ representatives to sell access to our national participating provider network, utilization review services, behavioral health care and pharmacy management services, and employee assistance services directly to insurance companies, HMOs and third party administrators. As of December 31, 2016, our field sales force consisted of over 1,300 sales representatives in 124 field locations. In our Government business, Medicare Advantage enrollment is generally a decision made individually by the customer, and accordingly, sales agents and representatives focus their efforts on in-person contacts with potential enrollees, as well as telephonic and group selling venues.

## **Competition**

Our business is subject to intense competition and continuing industry consolidation that has created an even more competitive business environment. In certain geographic locations, some health care companies may have significant market share positions, but no one competitor dominates the health care market nationally. We expect a continuing trend of consolidation in the overall health care industry (including hospitals, pharmaceutical companies, and providers of medical technology and devices) given the current economic and political environment. We also expect continued vertical integration with the lines blurring between clinicians, hospitals and traditional insurers.

Competition in the health care market exists both for employers and other groups sponsoring plans and for employees in those instances where the employer offers a choice of products from more than one health care company. Most group policies are subject to annual review by the plan sponsor, who may seek competitive quotations prior to renewal. In 2017, product offerings are decreasing in certain individual markets due to volatility in the industry as some carriers have exited markets. With the results of the 2016 U.S. elections, it is likely that changes will occur in the future to the Health Care Reform Act. Given that the relatively immature individual market has not yet reached profitability for most carriers, we expect some uncertainty and competitive volatility to continue.

The primary competitive factors affecting our business are quality and cost-effectiveness of service and provider networks; effectiveness of medical care management; products that meet the needs of employers and their employees; total cost management; technology; and effectiveness of marketing and sales. Financial strength of the insurer, as indicated by ratings issued by nationally recognized rating agencies, is also a competitive factor. We believe that our health advocacy capabilities, holistic approach to consumer engagement, breadth of product offerings, clinical care and medical management capabilities and array of product funding options are competitive advantages in meeting the diverse needs of our customer base. We also believe that our focus on helping to improve the health, well-being and sense of security of the customers we serve will allow us to differentiate ourselves from our competitors.

Our primary competitors in our U.S.-based health care businesses include:

- Other national insurance and health services companies that provide group health and life insurance products, including Aetna, Anthem, Humana, Kaiser Permanente and UnitedHealth Group;
- Not for profit managed care organizations;
- Other regional stand-alone managed care and specialty companies;
- Managed care organizations affiliated with major insurance companies and hospitals; and
- National managed pharmacy, behavioral health and utilization review services companies.

Our primary competitors in the international health care business include U.S.-based insurers such as Aetna, UnitedHealth Group and MetLife; global competitors such as BUPA and Allianz; and local insurers in a range of countries.

In addition to our traditional competitors, new competitors are emerging. Some of these newer competitors, such as hospitals and companies that offer web-based tools for employers and employees, are focused on delivering employee benefits and services through internet-enabled technology that allows consumers to take a more active role in the management of their health. This can be accomplished through financial incentives, access to enhanced quality medical data and other information sharing. The effective use of our health advocacy, customer insight and physician engagement capabilities, along with decision support tools (some of which are web-based) and enabling technology are critical to success in the health care industry, and we believe our capabilities in these areas will be competitive differentiators.

## **Industry Developments**

The health insurance marketplace will continue to be shaped by the Health Care Reform Act over the near term; however, its future remains uncertain given the outcome of the 2016 U.S. elections. Although we anticipate changes in the regulation of the health insurance markets over the next several years as Congress and the Trump administration consider repeal and replacement of the Health Care Reform Act, the nature of those changes remains largely unknown at this time. See the "Regulation" and "Risk Factors" sections of the Form 10-K for additional discussion about these developments.

## Global Supplemental Benefits

### How We Win

- Leveraging **deep consumer insights** to drive product innovation
- Targeting the **growing middle class and seniors populations globally**
- **Easy to understand, affordable products** designed to fill gaps in either private or public coverage
- Leading **innovative, direct to consumer distribution capabilities** (approximately 140 affinity partners)
- Locally licensed and **managed by strong, locally developed talent**

#### Products and Services

- Hospitalization
- Dental
- Medicare Supplement
- Critical Illness
- Personal Accident
- Term or Variable Universal Life

#### Key Geographies and Growth Markets

- Asia: South Korea, China, Taiwan, Indonesia and India
- Europe: UK and Turkey
- United States

#### Distribution Channels

- Telemarketing
- Home Shopping & Direct Response Television
- Independent agents
- Bancassurance
- Internet

We continue to distinguish ourselves in the global supplemental health, life and accident businesses through our differentiated direct-to-consumer distribution, customer insights and marketing capabilities. We enter new markets when the opportunity to bring our product and health solutions is attractive. Over the past several years, we have continued to extend our product offerings and geographic reach.

## Principal Products and Services

### *Supplemental Health, Life and Accident Insurance*

Supplemental health, life and accident insurance products generally provide simple, affordable coverage of risks for the health and financial security of individuals. Supplemental health products provide specified payments for a variety of health risks and include personal accident, accidental death, critical illness, hospitalization, travel, dental, cancer and other dread disease coverages. We also offer customers individual private medical insurance, term and variable universal life insurance, and certain savings products.

### *Medicare Supplement Plans*

We offer individual Medicare Supplement plans that provide retirees with federally standardized Medigap-style plans. Retirees may select among the various plans with specific plan options to meet their unique needs and may visit, without the need for a referral, any health care professional or facility that accepts Medicare throughout the United States.

## Pricing and Reinsurance

Premium rates for our global supplemental benefits products are based on assumptions about mortality, morbidity, customer acquisition and retention, customer demographics, expenses and target profit margins, as well as interest rates. For variable universal life insurance products, fees consist of mortality, administrative, asset management and surrender charges assessed against the contractholder's fund balance. Mortality charges on variable universal life may be adjusted prospectively to reflect expected mortality experience. Most contracts permit premium rate changes at least annually.

Most of the businesses in this segment operate through foreign subsidiaries. We maintain a capital management strategy to retain overseas a significant portion of the earnings from these foreign operations. These undistributed earnings are deployed outside of the United States in support of the liquidity and capital requirements of our foreign operations. As a result, the effective tax rate for Global Supplemental Benefits reflects income tax expense that is generally lower than in the United States.

A global approach to underwriting risk management allows each local business to underwrite and accept risk within specified limits. Retentions are centrally managed through cost effective use of external reinsurance to limit our liability on per life, per risk, and per event (catastrophe) bases.

## Markets and Distribution

Our supplemental health, life and accident insurance products sold in foreign countries are generally marketed through distribution partners with whom the individual insured has an affinity relationship. These products are sold primarily through direct marketing channels, such as outbound telemarketing, and in-branch bancassurance (when we partner with a bank and use the bank's sales channels to sell our insurance products). Marketing campaigns are conducted through these channels under a variety of arrangements with affinity partners, including banks, credit card companies and other financial and non-financial institutions. We also market directly to consumers via direct response television and the Internet. In certain countries, we market our products through captive and third party brokers and agents. Our Medicare supplement product line is distributed primarily through independent agents and telemarketing directly to the consumer.

South Korea represents our single largest geographic market for Global Supplemental Benefits. For information on this concentration of risk for the Global Supplemental Benefits segment's business in South Korea, see "Other Items Affecting Results of Global Supplemental Benefits" in the Global Supplemental Benefits section of the MD&A beginning on page 51 of this Form 10-K.

For our supplemental health, life and accident insurance products sold in foreign markets we are increasingly exposed to geopolitical, currency and other risks inherent in foreign operations. Also, given that we bill and collect a significant portion of premiums through credit cards, a substantial contraction in consumer credit could impact our ability to retain existing policies and sell new policies. A decline in customer retention would result in both a reduction of revenue and an acceleration of the amortization of acquisition-related costs. Changes in regulation for permitted distribution channels also may impact our business or results.

## Competition

We expect that the competitive environment for global supplemental benefits will continue to intensify as U.S., Europe and other regionally-based insurance and financial services providers more aggressively pursue expansion opportunities across geographies, especially in Asia. We believe competitive factors will include branding, product and distribution innovation and differentiation, efficient management of marketing processes and costs, commission levels paid to distribution partners, the quality of claims, local network coverage, customer services and talent acquisition and retention. Additionally, in most overseas markets, perception of financial strength also will likely continue to be an important competitive factor.

Our competitors are primarily locally-based insurance companies, including insurance subsidiaries of banks primarily in Asia and Europe and multi-national companies. Insurance company competitors in this segment primarily focus on traditional product distribution through captive agents, with direct marketing being secondary channels. We estimate that we have less than 3% market share of the total insurance premiums in any given market in which we operate.

In the Medicare supplement business, the principal competitive factors are underwriting and pricing, relative operating efficiency, broker relations, and the quality of claims and customer service. Our primary competitors in this business include U.S.-based health insurance companies.

## Industry Developments

Pressure on social health care systems, a rapidly aging population and increased wealth and education in developing insurance markets are leading to higher demand for products providing health insurance and financial security. In the supplemental health, life and accident business, direct marketing channels continue to grow and attract new competitors with industry consolidation among financial institutions and other affinity partners.

Data privacy regulation has tightened in all markets in the wake of data privacy news scandals, impacting affinity partner and customer attitudes toward direct marketing of insurance and other financial services.

## Group Disability and Life

### How We Win

- **Disability absence management model** that reduces overall costs to employers
- **Integration** of disability products **with medical and specialty offerings**, promoting health and wellness and optimizing employee productivity
- **Complementary portfolio** of group disability, life and accident offerings
- **Disciplined underwriting, pricing and investment strategies** supporting profitable long-term growth

### Products and Services

- Short-term disability
- Long-term disability
- Leave administration
- Basic-term life
- Voluntary term life
- Group universal life
- Personal and voluntary accident
- Business travel accident
- Critical illness, Accidental injury and Hospital care

### Distribution Channels

- Insurance brokers and consultants
- Sales representatives

### Customer Segments

- National
- Middle Market
- Select

Our Group Disability and Life business markets its products and services in all 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands and Canada.



## Products and Services

### Group Disability

Long-term and short-term group disability insurance products generally provide a fixed level of income to replace a portion of wages lost because of disability. Group disability coverage is typically employer-paid or a combination of employer and employee-paid, but also may include coverage paid for entirely by employees. As part of our group disability insurance products, we also provide assistance to employees in returning to work and assistance to their employers in managing the cost of employee disability. We are an industry leader in helping employees return to work quickly, resulting in higher productivity and lower cost for employers and a better quality of life for their employees.

We seek to integrate the administration of our disability insurance products with other disability benefit programs, behavioral programs, medical programs, social security advocacy, and administration of federal and state Family and Medical Leave Act ("FMLA") laws and other leave of absence programs. We believe this integration provides our customers with increased efficiency and effectiveness in disability claims management, enhances productivity and reduces overall costs to employers. This integration also provides early insight into employees at risk for future disability claims. Coordinating the administration of these disability programs with medical programs offered by our health care business provides enhanced opportunities to influence outcomes, reduce the cost of both medical and disability events and improve the return to work rate. The benefits of this integrated approach also include:

- using information from the health care and disability databases to help identify, treat and manage disabilities before they become longer in duration or chronic and more costly; and
- proactively reaching out to assist employees suffering from a mental health or chronic condition, either as a primary condition or as a result of another condition.

Our disability products and services are offered on a fully insured, experience-rated and ASO basis, although most are fully insured. As measured by 2016 premiums and fees, disability constituted 50% of this segment's business. Approximately 15,300 insured disability policies covering approximately 8.5 million lives were in force as of December 31, 2016.

### Group Life Insurance

Group life insurance products offered include term life and universal life. Group term life insurance may be employer-paid basic life insurance, employee-paid supplemental life insurance or a combination thereof. Group universal life insurance is an employee-paid, voluntary life insurance product in which the owner may accumulate a cash value. The cash value earns interest at rates declared from time to time, subject to a minimum guaranteed contracted rate, and may be borrowed, withdrawn, or, within certain limits, used to fund future life insurance coverage.

As measured by 2016 premiums and fees, group life insurance constituted approximately 44% of this segment's business. Approximately 10,800 group life insurance policies covering over 7 million lives were in force as of December 31, 2016.

### Other Products and Services

We also offer personal accident insurance coverage, consisting primarily of accidental death and dismemberment and travel accident insurance to employers. Group accident insurance may be employer-paid or employee-paid. In addition, we offer specialty insurance services that consist primarily of disability and life, accident, and hospital indemnity products to professional or trade associations and financial institutions.

We also provide a number of voluntary products and services that are typically paid by the employee and offered at the employer's worksite. Our plans provide employers with administrative solutions designed to provide employers with a complete and simple way to manage their benefits program. In recent years, we have brought to market three additional voluntary offerings - accidental injury insurance, critical illness coverage and hospital care. These products provide additional dollar payouts to employees for unexpected accidents or more serious illnesses.

## Pricing and Reinsurance

Premiums charged for disability and term life insurance products are usually established in advance of the policy period and are generally guaranteed for one to three years and selectively guaranteed for up to five years; policies are generally subject to termination by the policyholder or by the insurance company annually. Premium rates reflect assumptions about future claims, expenses, credit risk, investment returns and profit margins. These assumptions may be based in whole or in part on prior experience of the account or on a pool of accounts, depending on the group size and the statistical credibility of the experience that varies by product.

Premiums for group universal life insurance products consist of mortality and administrative charges assessed against the policyholder's fund balance. Interest credited and mortality charges for group universal life may be adjusted prospectively to reflect expected interest and mortality experience. Mortality charges are subject to maximum guaranteed rates and interest credited on cash values is subject to minimum guaranteed rates as stated in the policy.

The premiums for these products are typically collected within the coverage year and then invested in assets that match the duration of the expected benefit payments that occur over many future years (primarily for disability benefits). With significant investments in longer-duration securities, net investment income is a critical element of profitability for this segment.

The effectiveness of return to work programs and morbidity levels will impact the profitability of disability insurance products. Our previous claim experience and industry data indicate a correlation between disability claim incidence levels and economic conditions, with submitted claims rising under adverse economic conditions, although this impact is not clear. For life insurance products, the degree to which future experience deviates from mortality and expense assumptions also affects profitability.

To reduce our exposure to large individual and catastrophic losses under group life, disability and accidental death policies, as well as our newer accidental injury and critical illness policies, we purchase reinsurance from a diverse group of unaffiliated reinsurers. Our comprehensive

reinsurance program consists of excess of loss treaties and catastrophe coverage designed to mitigate earnings volatility and provide surplus protection.

## Markets and Distribution

We market our group disability and life insurance products and services to employers, employees, professional and other associations and groups in the National, Middle Market and Select segments. In marketing these products, we primarily sell through insurance brokers and consultants and employ a direct sales force consisting of approximately 260 sales professionals in 27 office locations as of December 31, 2016.

## Competition

The principal competitive factors that affect the Group Disability and Life segment are underwriting and pricing, the quality and effectiveness of claims management, relative operating efficiency, investment and risk management, distribution methodologies and producer relations, the breadth and variety of products and services offered, and the quality of customer service. For certain products with longer-term liabilities, such as group long-term disability insurance, the financial strength of the insurer, as indicated by ratings issued by nationally recognized rating agencies, is also a competitive factor.

The principal competitors of our group disability, life and accident businesses are other large and regional insurance companies that market and distribute these or similar types of products and include Aetna, Unum, The Hartford, Prudential and MetLife. As of December 31, 2016, we are one of the top five providers of group disability, life and accident insurance in the United States, based on premiums.

## Industry Developments

Employers are expressing a growing interest in employee wellness, absence management and productivity and likewise are recognizing a strong link between employee health, productivity and their profitability. As this interest grows, we believe our healthy lifestyle and return-to-work programs and integrated family medical leave, disability and health care programs position us to deliver integrated solutions for employers and employees. We also believe that our strong disability management portfolio and fully integrated programs provide tools for employers and employees to improve health status. This focus on managing the employee's total absence enables us to increase the number and effectiveness of interventions and minimize disabling events.

The group insurance market remains highly competitive as the rising cost of providing medical coverage to employees has forced companies to re-evaluate their overall employee benefit spending, resulting in lower volumes of group disability and life insurance business and more competitive pricing. Demographic shifts have further driven demand for products and services that are sufficiently flexible to meet the evolving needs of employers and employees who want innovative, cost-effective solutions to their insurance needs. Employers continue to shift towards greater employee participatory coverage and voluntary purchases. With our broad suite of voluntary offerings and continued focus on developing additional voluntary products and service capabilities, we believe we are well positioned to meet the needs of both employers and employees as the market shifts to become more retail-focused.

Over the past few years, there has been heightened review by state regulators of the claims handling practices within the disability and life insurance industry. This has resulted in an increase in coordinated, multi-state examinations that target specific market practices in addition to regularly recurring examinations of an insurer's overall operations conducted by an individual state's regulators. We have recently been subject to such an examination. See Note 21 to the Consolidated Financial Statements for additional information.

The depressed level of interest rates in the United States over the last several years has constrained earnings growth in this segment due to lower yields on our fixed-income investments, and higher benefit expenses resulting from the discounting of future claim payments at lower interest rates.

## Other Operations

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Other Operations includes the following four businesses:

### Corporate-owned Life Insurance

The principal products of the COLI business are permanent insurance contracts sold to corporations to provide coverage on the lives of certain employees for the purpose of financing employer-paid future benefit obligations. Permanent life insurance provides coverage that, when adequately funded, does not expire after a term of years. The contracts are primarily non-participating universal life policies. Fees for universal life insurance products consist primarily of mortality and administrative charges assessed against the policyholder's fund balance. Interest credited and mortality charges for universal life and mortality charges on variable universal life may be adjusted prospectively to reflect expected interest and mortality experience. To reduce our exposure to large individual and catastrophe losses, we purchase reinsurance from unaffiliated reinsurers.

### Run-off Settlement Annuity Business

Our settlement annuity business is a closed, run-off block of single premium annuity contracts. These contracts are primarily liability settlements with approximately 20% of the liabilities associated with payments that are guaranteed and not contingent on survivorship. For contracts that involve non-guaranteed payments, such payments are contingent on the survival of one or more parties involved in the settlement.

## Run-off Reinsurance

Our reinsurance operations are an inactive business in run-off mode.

In February 2013, we effectively exited the guaranteed minimum death benefit (“GMDB”) and guaranteed minimum income benefit (“GMIB”) business by reinsuring 100% of our future exposures, net of retrocessional arrangements in place at that time, up to a specified limit. For additional information regarding this reinsurance transaction and the arrangements that secure our reinsurance recoverables, see Note 9 to the Consolidated Financial Statements.

## Individual Life Insurance and Annuity and Retirement Benefits Businesses

This business includes deferred gains recognized from the 1998 sale of the individual life insurance and annuity business and the 2004 sale of the retirement benefits business. For more information regarding the arrangements that secure our reinsurance recoverables for the retirement benefits business, see Note 9 to the Consolidated Financial Statements.

## Investments and Investment Income

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### General Accounts

Our investment operations provide investment management and related services for our corporate invested assets and the insurance-related invested assets in our General Account (“General Account Invested Assets”). We acquire or originate, directly or through intermediaries, a broad range of investments including private placement and public securities, commercial mortgage loans, real estate, mezzanine, private equity partnerships and short-term investments. Invested assets also include policy loans that are fully collateralized by insurance policy cash values. Invested assets are managed primarily by our subsidiaries and, to a lesser extent, external managers with whom our subsidiaries contract. Net investment income is included as a component of adjusted income from operations for each of our reporting segments and Corporate. Realized investment gains (losses) are reported by segment but excluded from adjusted income from operations. For additional information about invested assets, see the “Investment Assets” section of the MD&A beginning on page 53 and Notes 10 to 12 of our Consolidated Financial Statements.

We manage our investment portfolios to reflect the underlying characteristics of related insurance and contractholder liabilities and capital requirements, as well as regulatory and tax considerations pertaining to those liabilities and state investment laws. Insurance and contractholder liabilities range from short duration health care products to longer term obligations associated with disability and life insurance products and the run-off settlement annuity business. Assets supporting these liabilities are managed in segregated investment portfolios to facilitate matching of asset durations and cash flows to those of corresponding liabilities. Investment strategy and results are affected by the amount and timing of cash available for investment, competition for investments, economic conditions, interest rates and asset allocation decisions. We routinely monitor and evaluate the status of our investments, obtaining and analyzing relevant investment-specific information and assessing current economic conditions, trends in capital markets and other factors such as industry sector, geographic and property-specific information.

### Separate Accounts

Our subsidiaries or external advisors manage Separate Account invested assets on behalf of contractholders; including the Cigna Pension Plan, variable universal life products sold through our corporate-owned life insurance business, and other disability and life products. These assets are legally segregated from our other businesses and are not included in General Account Invested Assets. Income, gains and losses generally accrue directly to the contractholders.

## Regulation

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The laws and regulations governing our business continue to increase each year and are subject to frequent change. We are regulated by state, federal and international regulatory agencies that generally have discretion to issue regulations and interpret and enforce laws and rules. These regulations can vary significantly from jurisdiction to jurisdiction, and the interpretation of existing laws and rules also may change periodically. Domestic and international governments continue to enact and consider various legislative and regulatory proposals that could materially impact the health care system.

Our insurance and HMO subsidiaries must be licensed by the jurisdictions in which they conduct business. These subsidiaries are subject to numerous state, federal and international regulations related to their business operations, including, but not limited to:

- the form and content of customer contracts including benefit mandates (including special requirements for small groups);
- premium rates and medical loss ratios;
- the content of agreements with participating providers of covered services;
- producer appointment and compensation;
- claims processing, payment and appeals;
- underwriting practices;
- reinsurance arrangements;
- solvency and financial reporting;
- unfair trade and claim practices;
- market conduct;
- protecting the privacy and confidentiality of the information received from customers;

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- risk sharing arrangements with providers;
- reimbursement or payment levels for Medicare services;
- advertising; and
- the operation of consumer-directed plans (including health savings accounts, health reimbursement accounts, flexible spending accounts and debit cards).

The business of administering and insuring employee benefit programs in the United States, particularly health care programs, is heavily regulated by state and federal laws and administrative agencies, such as state departments of insurance, and federal agencies including HHS, CMS, the Internal Revenue Service (“IRS”) and the Departments of Labor, Treasury and Justice, as well as the courts. Health savings accounts, health reimbursement accounts and flexible spending accounts also are regulated by the Department of the Treasury and the IRS.

Our operations, accounts and other books and records are subject to examination at regular intervals by regulatory agencies, including state insurance and health and welfare departments, state boards of pharmacy, CMS and comparable international regulators to assess compliance with applicable laws and regulations. In addition, our current and past business practices are subject to review by, and from time to time we receive subpoenas and other requests of information from various state insurance and health care regulatory authorities, attorneys general, the Office of Inspector General (“OIG”), the Department of Labor and other state, federal and international authorities, including inquiries by, and testimony before committees and subcommittees of the U.S. Congress regarding certain of our business practices. These examinations, reviews, subpoenas and requests may result in changes to or clarifications of our business practices, as well as fines, penalties or other sanctions.

Our international subsidiaries are subject to regulations in international jurisdictions where foreign insurers may be faced with more onerous regulations than their domestic competitors. In addition, the expansion of our operations into foreign countries increases our exposure to certain U.S. laws, such as the Foreign Corrupt Practices Act of 1977 (“FCPA”). See page 19 for further discussion of international regulations.

### **The Health Care Reform Act**

The Health Care Reform Act mandated broad changes affecting insured and self-insured health benefit plans that impact our current business model, including our relationship with current and future customers, producers and health care providers, products, services, processes and technology. As a result of the 2016 U.S. elections, the future of the Health Care Reform Act is uncertain. Certain provisions of the Health Care Reform Act are likely to be retained, while others are likely to be repealed or replaced.

### **Key Provisions of the Health Care Reform Act**

Various fees, including the health insurance industry tax and the reinsurance fee, were assessed beginning in 2014. The health insurance industry assessment, totaling \$11.3 billion for the industry in 2016 and increasing to \$14.3 billion by 2018, is not tax deductible. In December 2015, the federal appropriations legislation imposed a one-year moratorium on the industry tax for 2017, with reinstatement expected in 2018. Our share of this industry tax is determined based on our proportion of premiums for both our commercial and government risk businesses to the industry total. The reinsurance fee is a temporary (2014-2016) fixed dollar per customer levy on all insurers, HMOs and self-insured group health plans and is tax deductible.

The health insurance exchange enrollment process began on October 1, 2013 with coverage first effective in 2014. Each state has a state-based, a state and federal partnership, or a federally-facilitated health insurance exchange for individuals and small employer groups to purchase insurance coverage. Because individuals seeking to purchase health insurance coverage either on or off the exchanges are guaranteed to be issued a policy, the Health Care Reform Act provided programs designed to reduce the risk for participating health insurance companies including: (1) a temporary (2014-2016) reinsurance program; and (2) a premium stabilization program comprised of two components: a temporary program (2014-2016) limiting insurer gains and losses (“risk corridor”), and a permanent program that adjusts premiums based on the relative health status of the customer base (“risk adjustment”). See Note 2 to the Consolidated Financial Statements and the Introduction to the MD&A contained in this Form 10-K for additional information on these programs.

MLR requirements, as prescribed by HHS, require payment of premium rebates to group and individual policyholders if certain annual MLRs are not met in our commercial business. In December 2014, the federal government enacted legislation that provides permanent relief from certain Health Care Reform Act requirements for expatriate health coverage (including the MLR requirements).

Other provisions of the Health Care Reform Act in effect include reduced Medicare Advantage premium rates, the requirement to cover preventive services with no enrollee cost-sharing, banning the use of lifetime and annual limits on the dollar amount of essential health benefits, increasing restrictions on rescinding coverage and extending coverage of dependents to the age of 26. The employer mandate, the phase in of which was complete in 2016, requires employers with 50 or more full-time employees to offer affordable health insurance that provides minimum value (each as defined under the Health Care Reform Act) to full-time employees and dependent children up to age 26 or be subject to penalties based on employer size. The Health Care Reform Act also changed certain tax laws that effectively limit tax deductions for certain employee compensation paid by health insurers.

Our Medicare Advantage and Medicare Part D prescription drug plan businesses also have been impacted by the Health Care Reform Act in a variety of additional ways, including mandated minimum reductions to risk scores, transition of Medicare Advantage “benchmark” rates to Medicare fee-for-service parity, reduced enrollment periods and limitations on disenrollment, providing “quality bonuses” for Medicare Advantage plans with a rating of four or five stars from CMS and mandated consumer discounts on brand name and generic prescription drugs for Medicare Part D plan participants in the coverage gap. The Health Care Reform Act requires Medicare Advantage and Medicare Part D plans to meet a minimum MLR of 85%. Under the finalized regulations promulgated by HHS, if the MLR for a CMS contract is less than 85%, we are required to pay a penalty to CMS and could be required to make additional payments if the MLR continues to be less than 85% for successive years. Through the Health Care Reform Act and other federal legislation, funding for Medicare Advantage plans has been and may continue to be altered.

We have implemented the provisions of the Health Care Reform Act currently in effect. Management continues to be actively engaged with regulators and policymakers with respect to rule-making. However, ongoing legislative and regulatory challenges to the Health Care Reform

Act, pending litigation challenging aspects of the law, the change in administration and the Congress following the 2016 U.S. elections will continue to create uncertainty about the ultimate impact of the Health Care Reform Act. Additionally, the executive order signed by President Trump in January 2017, which instructs agencies to waive, defer, grant exemptions from, or delay the implementation of any provision or requirement of the Health Care Reform Act that would impose a fiscal burden on any state or a cost, fee, tax, penalty, or regulatory burden on individuals, providers, insurers, recipients of healthcare services, purchasers of health insurers or makers of medical devices, products or medications, will create additional uncertainty.

For the financial effects of certain Health Care Reform Act provisions, see the “Executive Overview” section of our MD&A beginning on page 36 of this Form 10-K. In addition, accounting policies around the government’s risk mitigation programs are further disclosed in Note 2 to the Consolidated Financial Statements.

## Regulation of Insurance Companies

### Financial Reporting, Internal Control and Corporate Governance

Regulators closely monitor the financial condition of licensed insurance companies and HMOs. States regulate the form and content of statutory financial statements, the type and concentration of permitted investments, and corporate governance over financial reporting. Our insurance and HMO subsidiaries are required to file periodic financial reports and schedules with regulators in most of the jurisdictions in which they do business as well as annual financial statements audited by independent registered public accounting firms. Certain insurance and HMO subsidiaries are required to file an annual report of internal control over financial reporting with most jurisdictions in which they do business. Insurance and HMO subsidiaries’ operations and accounts are subject to examination by such agencies. Many states have expanded regulations relating to corporate governance and internal control activities of insurance and HMO subsidiaries as a result of model regulations adopted by the National Association of Insurance Commissioners (“NAIC”) with elements similar to corporate governance and risk oversight disclosure requirements under federal securities laws.

### Guaranty Associations, Indemnity Funds, Risk Pools and Administrative Funds

Most states and certain non-U.S. jurisdictions require insurance companies to support guaranty associations or indemnity funds that are established to pay claims on behalf of insolvent insurance companies. In the United States, these associations levy assessments on member insurers licensed in a particular state to pay such claims. Certain states require HMOs to participate in guaranty funds, special risk pools and administrative funds. For additional information about guaranty fund and other assessments, see Note 21 to our Consolidated Financial Statements.

Certain states continue to require health insurers and HMOs to participate in assigned risk plans, joint underwriting authorities, pools or other residual market mechanisms to cover risks not acceptable under normal underwriting standards, although some states have eliminated these requirements as a result of the Health Care Reform Act.

### Solvency and Capital Requirements

Many states have adopted some form of the NAIC model solvency-related laws and risk-based capital rules (“RBC rules”) for life and health insurance companies. The RBC rules recommend a minimum level of capital depending on the types and quality of investments held, the types of business written and the types of liabilities incurred. If the ratio of the insurer’s adjusted surplus to its risk-based capital falls below statutory required minimums, the insurer could be subject to regulatory actions ranging from increased scrutiny to conservatorship.

In addition, various non-U.S. jurisdictions prescribe minimum surplus requirements that are based upon solvency, liquidity and reserve coverage measures. Our HMOs and life and health insurance subsidiaries, as well as non-U.S. insurance subsidiaries, are compliant with applicable RBC and non-U.S. surplus rules.

The Risk Management and Own Risk and Solvency Assessment Model Act (“ORSA”), adopted by the NAIC, provides requirements and principles for maintaining a group solvency assessment and a risk management framework and reflects a broader approach to U.S. insurance regulation. ORSA includes a requirement to file an annual ORSA Summary Report in the lead state of domicile. To date, an overwhelming majority of the states have adopted the same or similar versions of ORSA.

### Holding Company Laws

Our domestic insurance companies and certain of our HMOs are subject to state laws regulating subsidiaries of insurance holding companies. Under such laws, certain dividends, distributions and other transactions between an insurance company or an HMO subsidiary and its affiliates may require notification to, or approval by, one or more state insurance commissioners. In addition, the holding company acts of states in which our subsidiaries are domiciled restrict the ability of any person to obtain control of an insurance company or HMO subsidiary without prior regulatory approval.

### Marketing, Advertising and Products

In most states, our insurance companies and HMO subsidiaries are required to certify compliance with applicable advertising regulations on an annual basis. Our insurance companies and HMO subsidiaries are also required by most states to file and secure regulatory approval of products prior to the marketing, advertising, and sale of such products.

### Licensing Requirements

Certain of our subsidiaries are pharmacies that dispense prescription drugs to participants of benefit plans administered or insured by our HMO and insurance company subsidiaries. These pharmacy-subidiaries are subject to state licensing requirements and regulation as well as U.S. Drug Enforcement Agency registration requirements, U.S. Food and Drug Administration requirements and third party accreditation



requirements. Other laws and regulations affecting our pharmacy-subidiaries include federal and state laws concerning labeling, packaging, advertising, handling and adulteration of prescription drugs and dispensing of controlled substances.

Certain subsidiaries contract to provide claim administration, utilization management and other related services for the administration of self-insured benefit plans. These subsidiaries may be subject to state third-party administration and other licensing requirements and regulation, as well as third party accreditation requirements.

Our international subsidiaries are often required to be licensed when entering new markets or starting new operations in certain jurisdictions. The licensure requirements for these subsidiaries vary by country and are subject to change.

## **Other Federal and State Regulations**

### **Employee Retirement Income Security Act and the Public Health Service Act**

Our domestic subsidiaries sell most of their products and services to sponsors of employee benefit plans that are governed by the Employee Retirement Income Security Act of 1974, as amended (“ERISA”). ERISA is a complex set of federal laws and regulations enforced by the IRS and the Department of Labor, as well as the courts. Our domestic subsidiaries are subject to requirements imposed by ERISA affecting claim payment and appeals procedures for individual health insurance and insured and self-insured group health plans and for the insured dental, disability, life and accident plans we administer. Our domestic subsidiaries also may contractually agree to comply with these requirements on behalf of the self-insured dental, disability, life and accident plans they administer.

Many provisions of the Health Care Reform Act impacting insured and self-insured group health plans were incorporated into ERISA. The health insurance reform provisions under ERISA were also incorporated into the Public Health Service Act and are directly applicable to health insurance issuers (i.e., health insurers and HMOs).

Plans subject to ERISA also can be subject to state laws and the legal question of whether and to what extent ERISA preempts a state law will continue to be subject to court interpretation.

### **Medicare and Medicaid Regulations**

Several of our subsidiaries engage in businesses that are subject to federal Medicare regulations, such as:

- those offering individual and group Medicare Advantage coverage; and
- those offering Medicare Pharmacy (Part D) products.

In our Medicare Advantage and Medicare Part D business, we contract with CMS to provide services to Medicare beneficiaries. As a result, our ability to obtain payment (and the determination of the amount of such payments), enroll and retain members and expand into new service areas is subject to compliance with CMS’ numerous and complex regulations and requirements that are frequently modified and subject to administrative discretion. Marketing and sales activities (including those of third-party brokers and agents) are also heavily regulated by CMS and other governmental agencies, including applicable state departments of insurance. We will continue to allocate significant resources to our compliance, ethics and fraud and waste and abuse programs to comply with the laws and regulations governing Medicare Advantage and Medicare Part D programs.

The Health Care Reform Act ties a portion of each Medicare Advantage plan’s and Medicare Part D plan’s reimbursement to the plan’s “Star Rating” by CMS, with those plans receiving a rating of four or more stars eligible for quality-based bonus payments. The Star Rating system considers various measures adopted by CMS, including, for example, quality of care, preventative services, chronic illness management, coverage appeals and customer satisfaction.

Our Medicaid and dual eligible products are also regulated by CMS and state Medicaid agencies that audit our performance to determine compliance with contracts and regulations. We continue to work in collaboration with applicable state agencies regarding our Medicaid plans in Texas and Illinois to ensure ongoing compliance and sustainability.

Several of our subsidiaries are also subject to reporting requirements pursuant to Section 111 of the Medicare, Medicaid and SCHIP Extension Act of 2007, that requires us to report specific information regarding claimants and claim settlements involving Medicare participants so CMS can recover Medicare funds expended to provide healthcare treatment to the claimant. Strict sanctions, including fines and penalties, exclusion from the Medicare and Medicaid programs and criminal penalties may be imposed for non-compliance with these reporting obligations.

### **Federal and State Audits of Government Sponsored Health Care Programs**

Participation in government sponsored health care programs subjects us to a variety of federal and state laws and regulations and risks associated with audits conducted under these programs. These audits may occur in years subsequent to our providing the relevant services. These risks may include reimbursement claims as well as potential fines and penalties, such as restrictions on our ability to participate or expand our presence in certain programs. For example, with respect to our Medicare Advantage business, CMS and the OIG perform audits to determine a health plan’s compliance with federal regulations and contractual obligations, including compliance with proper coding practices (sometimes referred to as “Risk Adjustment Data Validation Audits” or “RADV audits”) and compliance with fraud and abuse enforcement practices through Recovery Audit Contractor (“RAC”) audits in which third-party contractors conduct post-payment reviews on a contingency fee basis to detect and correct improper payments. In addition, negative performance points may be accumulated if we do not perform satisfactorily during an audit that could restrict our ability to expand our Medicare Advantage business geographically.

In January 2016, following an audit, CMS issued a Notice of Imposition of Immediate Intermediate Sanctions (the “Notice”) to the Company. The Notice required us to suspend certain enrollment and marketing activities for Medicare Advantage-Prescription Drug and Medicare Part D Plans. The sanctions do not impact the right of current enrollees to remain covered by our Medicare Advantage-Prescription Drug or Medicare Part D Plans. We are working with CMS to address the audit findings as quickly as possible. See “Business – Global Health Care” beginning on page 3 of this Form 10-K for additional information about our participation in government health-related programs.

The federal government has made investigating and prosecuting health care fraud, waste and abuse a priority. Fraud, waste and abuse prohibitions encompass a wide range of activities, including kickbacks for inducement to refer customers, billing for unnecessary medical services, coding, network adequacy, improper marketing, and violation of patient privacy rights. The regulations and contractual requirements in this area are complex, are frequently modified, and are subject to administrative discretion and judicial interpretation. We expect to continue to allocate significant resources to comply with these regulations and requirements and to maintain audit readiness.

### **Privacy, Security and Data Standards Regulations**

The federal Health Insurance Portability and Accountability Act of 1996 and its implementing regulations (“HIPAA”) imposes minimum standards on health insurers, HMOs, health plans, health care providers and clearinghouses for the privacy and security of protected health information. HIPAA also established rules that standardize the format and content of certain electronic transactions, including, but not limited to, eligibility and claims.

HIPAA’s privacy and security requirements were expanded by the Health Information Technology for Economic and Clinical Health Act (“HITECH”) through additional contracting requirements for covered entities, the extension of privacy and security provisions to business associates, the requirement to provide notification to various parties in the event of a data breach of protected health information, and enhanced financial penalties for HIPAA violations, including potential criminal penalties for individuals.

The federal Gramm-Leach-Bliley Act generally places restrictions on the disclosure of non-public information to non-affiliated third parties, and requires financial institutions, including insurers, to provide customers with notice regarding how their non-public personal information is used, including an opportunity to “opt out” of certain disclosures. State departments of insurance and certain federal agencies adopted implementing regulations as required by federal law.

A number of states have adopted data security laws and regulations regulating data security and requiring security breach notification that may apply to us in certain circumstances. Neither HIPAA nor the Gramm-Leach-Bliley privacy regulations preempt more stringent state laws and regulations. In addition, international laws, rules and regulations governing the use and disclosure of personal information are generally more stringent than in the United States, and they vary from jurisdiction to jurisdiction.

### **Consumer Protection Laws**

We engage in direct-to-consumer activities and are increasingly offering mobile and web-based solutions to our customers. We are therefore subject to federal and state regulations applicable to electronic communications and other consumer protection laws and regulations, such as the Telephone Consumer Protection Act and the CAN-SPAM Act. In particular, the Federal Trade Commission is increasingly exercising its enforcement authority in the areas of consumer privacy and data security, with a focus on web-based, mobile data and “big data.”

### **Dodd-Frank Act and Investment-Related Regulations**

The Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”) provides for a number of reforms and regulations in the corporate governance, financial reporting and disclosure, investments, tax and enforcement areas. The Dodd-Frank Act established a Federal Insurance Office (the “FIO”) to develop federal policy on insurance matters. While the FIO does not have authority over health insurance, it may have authority over other parts of our business, such as life insurance. Additional rulemaking by the SEC and other regulatory authorities continues. In February 2017, President Trump signed an executive order directing the Secretary of the Treasury to conduct a review of the Dodd-Frank Act. We continue to monitor how these regulations might impact us.

Depending upon their nature, our investment management activities are subject to U.S. federal securities laws, ERISA and other federal and state laws governing investment related activities. In many cases, the investment management activities and investments of individual insurance companies are subject to regulation by multiple jurisdictions.

### **Office of Foreign Assets Control Sanctions and Anti-Money Laundering**

We also are subject to regulation by the Office of Foreign Assets Control of the Department of the Treasury that administers and enforces economic and trade sanctions based on U.S. foreign policy and national security goals against targeted foreign countries and regimes.

Certain of our products are subject to Department of the Treasury anti-money laundering regulations under the Bank Secrecy Act.

In addition, we may be subject to similar regulations in non-U.S. jurisdictions in which we operate.

### **Antitrust Regulations**

Federal and state antitrust regulators, such as the Department of Justice and certain state attorneys general, have opposed the proposed merger with Anthem. See Notes 3 and 21 to the Consolidated Financial Statements in this Form 10-K for additional information about the proposed merger. In addition, our subsidiaries also engage in activities that may be scrutinized under federal and state antitrust laws and regulations. These activities include the administration of strategic alliances with competitors, information sharing with competitors and provider contracting.

### **International Regulations**

Our operations outside the United States expose us to laws of multiple jurisdictions and the rules and regulations of various governing bodies and regulators, including those related to financial and other disclosures, corporate governance, privacy, data protection, data mining, data transfer, intellectual property, labor and employment, consumer protection, direct-to-consumer communications activities, anti-corruption and anti-money laundering. Foreign laws and rules may include requirements that are different from or more stringent than similar requirements in the United States.

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Our operations in countries outside the United States:

- are subject to local regulations of the jurisdictions where customers reside,
- in some cases, are subject to regulations in the locations of customers, and
- in all cases, are subject to the FCPA.

The FCPA prohibits offering, promising, providing or authorizing others to give anything of value to a foreign government official or employee to obtain or retain business or otherwise secure a business advantage. Outside of the United States, we may interact with government officials in several different capacities: as regulators of our insurance business; as clients or partners who are state-owned or partially state-owned; as health care professionals who are employed by the government; and as hospitals that are state-owned. Violations of the FCPA and other anti-corruption laws may result in severe criminal and civil sanctions as well as other penalties, and the SEC and Department of Justice have increased their enforcement activities with respect to FCPA. The UK Bribery Act of 2010 applies to all companies with a nexus to the United Kingdom. Under this act, any voluntary disclosures of FCPA violations may be shared with United Kingdom authorities, thus potentially exposing companies to liability and potential penalties in multiple jurisdictions.

If our employees or agents fail to comply with applicable laws governing our international operations, we may face investigations, prosecutions and other legal proceedings and actions that could result in civil penalties, administrative remedies and criminal sanctions. See the Risk Factors section beginning on page 21 for a discussion of risks related to our global operations.

## **Miscellaneous**

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Premiums and fees from CMS represented 20% of our total consolidated revenues for the year ended December 31, 2016 under a number of contracts. We are not dependent on business from one or a few customers. Other than CMS, no one customer accounted for 10% or more of our consolidated revenues in 2016. We are not dependent on business from one or a few brokers or agents. In addition, our insurance businesses are generally not committed to accept a fixed portion of the business submitted by independent brokers and agents, and generally all such business is subject to approval and acceptance.

We had approximately 41,000 employees as of December 31, 2016; 39,300 employees as of December 31, 2015; and 37,200 employees as of December 31, 2014.



## ITEM 1A. Risk Factors

*As a large company operating in a complex industry, we encounter a variety of risks and uncertainties that could have a material adverse effect on our business, liquidity, results of operations, financial condition or the trading price of our securities. You should carefully consider each of the risks and uncertainties discussed below, together with other information contained in this Annual Report on Form 10-K, including Management's Discussion and Analysis of Results of Operations and Financial Condition and information. These risks and uncertainties are not the only ones we face. Additional risks and uncertainties not presently known to us or that we currently believe to be immaterial may also adversely affect us. The following risk factors have been organized by category for ease of use; however many of the risks may have impacts in more than one category. These categories, therefore, should be viewed as a starting point for understanding the significant risks facing us and not as a limitation on the potential impact of the matters discussed. Risk factors are not necessarily listed in order of importance.*

### Strategic and Operational Risks

***Future performance of our business will depend on our ability to execute our strategic and operational initiatives effectively.***

The future performance of our business will depend in large part on our ability to effectively implement and execute our strategic and operational initiatives including: (1) driving growth in targeted geographies, product lines, customer buying segments and distribution channels; (2) improving our strategic and financial flexibility; and (3) pursuing additional opportunities in high-growth markets. Successfully executing on these initiatives depends on a number of factors, including our ability to:

- differentiate our products and services from those of our competitors;
- develop and introduce new products or programs, particularly in response to government regulation and the increased focus on consumer-directed products;
- grow our commercial product portfolio, including managing the uncertainties associated with mix and volume of business on public health insurance exchanges;
- identify and introduce the proper mix or integration of products that will be accepted by the marketplace;
- attract and retain sufficient numbers of qualified employees;
- attract, develop and maintain collaborative relationships with a sufficient number of qualified partners, including physicians and other health care providers in an environment of growing shortages of primary care professionals and consolidation within the provider industry;
- attract new and maintain existing customer relationships;
- transition health care providers from volume-based fee-for-service arrangements to a value-based system;
- improve medical cost competitiveness in targeted markets;
- manage our medical and administrative costs effectively;
- manage our balance sheet exposures effectively, including our pension funding obligations; and
- manage our Global Health Care operating expense ratio effectively.

If these initiatives fail or are not executed on effectively, our consolidated financial position and results of operations could be negatively affected. For example, efforts to reduce operating expenses while maintaining the necessary resources and talent pool are important and, if not managed effectively, could have long-term effects on our business by negatively impacting our ability to drive improvements in the quality of our products and/or services. For our strategic initiatives to succeed, we must effectively integrate our operations, including our acquired businesses, actively work to ensure consistency throughout the organization, and promote a global mind-set along with a focus on individual customers. If we fail to do so, our business may be unable to grow as planned, or the result of expansion may be unsatisfactory. In addition, the current competitive, economic and regulatory environment requires our organization to adapt rapidly and nimbly to new opportunities and challenges. We will be unable to do so if we do not make important decisions quickly, define our appetite for risk specifically, implement new governance, managerial and organizational processes smoothly and communicate roles and responsibilities clearly.

***We face price competition and other pressures that could result in premiums that are insufficient to cover the cost of the health care services delivered to our customers.***

While health plans compete on the basis of many service and quality-related factors, we expect that price will continue to be a significant basis of competition. Our client and customer contracts are subject to negotiation as clients and customers seek to contain their costs, including by reducing benefits offered or elected. Increasingly, our clients seek to negotiate performance guarantees that require us to pay penalties if the guaranteed performance standard is not met. As brokers and benefit consultants seek to enhance their revenue streams, they look to take on services that we typically provide. Alternatively, our clients and customers may purchase different types of products that are less profitable, or move to a competitor to obtain more favorable pricing. Each of these events would likely negatively impact our financial results.

Further, federal and state regulatory agencies may restrict our ability to implement changes in premium rates. For example, the Health Care Reform Act includes an annual rate review requirement to prohibit unreasonable rate increases in the individual and small group health insurance markets and established minimum medical loss ratios for certain plans. Fiscal concerns regarding the continued viability of programs such as Medicare may cause decreasing reimbursement rates, delays in premium payments or insufficient increases in reimbursement rates for government sponsored programs in which we participate. Any limitation on our ability to maintain or increase our premium or reimbursement

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levels, or a significant loss of customers resulting from our need to increase or maintain premium or reimbursement levels, could adversely affect our business, cash flows, financial condition and results of operations.

In addition, factors such as business consolidations, strategic alliances, legislation and marketing practices will likely continue to create pressure to contain or otherwise restrict premium price increases, despite increasing medical costs. For example, the Gramm-Leach-Bliley Act gives banks and other financial institutions the ability to be affiliated with insurance companies. This may lead to new competitors with significant financial resources. Our product margins and growth depend, in part, on our ability to compete effectively in our markets, set rates appropriately in highly competitive markets to keep or increase our market share, increase customers as planned, and avoid losing accounts with favorable medical cost experience while retaining or increasing our customer base in accounts with unfavorable medical cost experience.

Premiums in the health care business are generally set for one-year periods and are priced well in advance of the date on which the contract commences. Our revenue on Medicare policies is based on bids submitted mid-year in the year before the contract year. Although we base the premiums we charge and our Medicare bids on our estimate of future health care costs over the contract period, actual costs may exceed what we estimate and charge in premiums due to factors such as medical cost inflation, higher than expected utilization of medical services, new or costly drugs, treatments and technology, and customer mix. Our health care costs also are affected by external events that we cannot forecast or project and over which we have little or no control, such as influenza-related health care costs, epidemics, pandemics, terrorist attacks or other man-made disasters, natural disasters or other events that materially increase utilization of medical and/or other covered services, as well as changes in customers' health care utilization patterns and provider billing practices. Our profitability depends, in part, on our ability to accurately predict, price for and effectively manage future health care costs through disciplined underwriting, provider contracting, utilization management and product design.

***The reserves we hold for expected medical claims are based on estimates that involve an extensive degree of judgment and are inherently variable. If actual claims exceed our estimates, our operating results could be materially adversely affected, and our ability to take timely corrective actions to limit future costs may be limited.***

We maintain and record medical claims reserves on our balance sheet for estimated future payments. Our estimates of health care costs payable are based on a number of factors, including historical claim experience, but this estimation process requires extensive judgment. Considerable variability is inherent in such estimates, and the accuracy of the estimates is highly sensitive to changes in medical claims submission and processing patterns and/or procedures, changes in customer base and product mix, changes in the utilization of medical and/or other covered services, changes in medical cost trends, changes in our medical management practices and the introduction of new benefits and products. Furthermore, if we are not able to accurately and promptly anticipate and detect medical cost trends, our ability to take timely corrective actions to limit future costs and reflect our current benefit cost experience in our pricing process may be limited. In addition, while we continually review estimates of future payments relating to medical claims costs for services incurred in the current and prior periods and make adjustments to our reserves, the actual health care costs may exceed the reserves we have recorded.

***If we fail to develop and maintain satisfactory relationships with physicians, hospitals and other health care providers, our business and results of operations may be adversely affected.***

We directly and indirectly contract with physicians, hospitals and other health care professionals and facilities to provide health care services to our customers. Our results of operations are substantially dependent on our ability to contract for these services at competitive prices. In any particular market, physicians, hospitals and health care providers could refuse to contract, demand higher payments or take other actions that could result in higher medical costs or less desirable products for our customers. In some markets, certain providers, particularly hospitals, physician/hospital organizations and multi-specialty physician groups, may have significant or controlling market positions that could result in a diminished bargaining position for us. If providers refuse to contract with us, use their market position to negotiate favorable contracts or place us at a competitive disadvantage, our ability to market products or to be profitable in those areas could be materially and adversely affected. The formation and success of collaborative arrangements with physician groups, specialist groups, hospital arrangements and delivery system joint ventures are key to our strategic focus to transition from volume-based fee-for-service arrangements to a value-based health care system. If such arrangements do not result in the lower medical costs that we project or if we fail to attract health care providers to such arrangements, or are less successful at implementing such arrangements than our competitors, our medical costs may not be competitive and may be higher than we project, our attractiveness to customers may be reduced, we may lose or be unable to grow our customer base, and our ability to profitably grow our business and/or our operating results may be adversely affected.

Our ability to develop and maintain satisfactory relationships with health care providers also may be negatively impacted by other factors not associated with us, such as changes in Medicare and/or Medicaid reimbursement levels, increasing revenue and other pressures on health care providers and consolidation activity among hospitals, physician groups and health care providers. For example, ongoing reductions by CMS and state governments in amounts payable to providers, particularly hospitals, for services provided to Medicare and Medicaid enrollees may exacerbate the cost shift to private payors, thereby adversely impacting our ability to maintain or develop new cost-effective health care provider contracts or result in a loss of revenues or customers.

Recent and continuing consolidation among physicians, hospitals and other health care providers, emergence of accountable care organizations and other changes in the organizational structures chosen by physicians, hospitals and health care providers may change the way these providers interact with us and may change the competitive landscape in which we operate. In some instances, these organizations may compete directly with us, potentially affecting the way that we price our products or causing us to incur increased costs if we change our operations to be more competitive. Our focus on developing collaborative accountable care organizations and independent practice associations or similar business arrangements with physicians and other health care providers may not achieve intended benefits and adversely affect our strategy or prospects.

Out-of-network providers are not limited in the amount they bill by any agreement with us. While benefit plans place limits on the amount of charges that will be considered for reimbursement, out-of-network providers have become increasingly sophisticated and aggressive and such

limitations can be difficult to enforce. As a result, the outcome of disputes where we do not have a provider contract may cause us to pay higher medical or other benefit costs than we projected.

***As a global company, we face political, legal, operational, regulatory, economic and other risks that present challenges and could negatively affect our multinational operations and/or our long-term growth.***

As a global company, our business is increasingly exposed to risks inherent in foreign operations. These risks can vary substantially by market, and include political, legal, operational, regulatory, economic and other risks, including government intervention that we do not face in our U.S. operations. The global nature of our business and operations may present challenges including, but not limited to, those arising from:

- varying regional and geopolitical business conditions and demands;
- regulation that may discriminate against U.S. companies, favor nationalization or expropriate assets;
- price controls or other pricing issues and exchange controls or other restrictions that prevent us from transferring funds from these operations out of the countries in which we operate or converting local currencies that our foreign operations hold into U.S. dollars or other currencies;
- foreign currency exchange rates and fluctuations that may have an impact on the future costs or on future sales and cash flows from our international operations, and any measures that we may implement may not be effective in reducing the effect of volatile currencies and other risks of our international operations;
- our reliance on local sales forces for some operations in countries that may have labor problems and/or less flexible employee relationships that can be difficult and expensive to terminate, or where changes in local regulation or law may disrupt business operations;
- effectively managing our partner relationships in countries outside of the United States;
- managing more geographically diverse operations and projects;
- operating in new foreign markets that may require considerable management time before operations generate any significant revenues and earnings;
- providing data protection on a global basis and sufficient levels of technical support in different locations;
- the global trend for companies to enact local data residency requirements;
- political change, including the June 2016 referendum in the United Kingdom to leave the European Union and the results of the November 2016 U.S. elections;
- acts of war, terrorism, natural disasters or pandemics in locations where we operate; and
- general economic and political conditions.

These factors may increase in significance as we continue to expand globally, and any one of these challenges could negatively affect our operations or long-term growth. For example, due to the concentration of our international business in South Korea, the Global Supplemental Benefits segment is exposed to potential losses resulting from economic, regulatory and geopolitical developments in that country, as well as foreign currency movements affecting the South Korean currency, that could have a significant impact on the segment's results and our consolidated financial results.

International operations also require us to devote significant resources to implement controls and systems in new markets to comply, and to ensure that our vendors and partners comply, with U.S. and foreign laws prohibiting bribery, corruption and money laundering, in addition to other regulations regarding, among other things, our products, direct-to-consumer communications, customer privacy, data protection and data residency. Violations of these laws and regulations could result in fines, criminal sanctions against us, our officers or employees, restrictions or outright prohibitions on the conduct of our business, and significant reputational harm. We must regularly reassess the size, capability and location of our global infrastructure and make appropriate changes, and must have effective change management processes and internal controls in place to address changes in our business and operations. Our success depends, in part, on our ability to anticipate these risks and manage these challenges. Our failure to comply with laws and regulations governing our conduct outside the United States or to establish constructive relations with non-U.S. regulators could have a material adverse effect on our business, results of operations, financial condition, liquidity and long-term growth.

***We are dependent on the success of our relationships with third parties for various services and functions, including, but not limited to, certain pharmacy benefit management services.***

To improve operating costs, productivity and efficiencies, we contract with third parties for the provision of specific services, such as certain pharmacy benefit management services, information technology, medical management services, call center and claim services. Our operations may be adversely affected if these third parties fail to satisfy their obligations to us or if the arrangement is terminated in whole or in part or if there is a contractual dispute between us and these third parties. Even though contracts are intended to provide certain protections, we have limited control over the actions of third parties. For example, noncompliance with any privacy or security laws and regulations or any security breach involving one of our third-party vendors or a dispute between us and a third party vendor related to our arrangement could have a material adverse effect on our business, results of operations, financial condition, liquidity and reputation. In addition, with respect to services or functions outsourced to third parties in foreign jurisdictions, we also are exposed to risks inherent in conducting business outside of the United States.

Outsourcing also may require us to change our existing operations, adopt new processes for managing these service providers and/or redistribute responsibilities to realize the potential productivity and operational efficiencies. If there are delays or difficulties in changing

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business processes or our third party vendors do not perform as expected, we may not realize, or not realize on a timely basis, the anticipated economic and other benefits of these relationships. This could result in substantial costs or regulatory compliance issues, divert management's attention from other strategic activities, negatively affect employee morale or create other operational or financial problems for us. Terminating or transitioning in whole or in part arrangements with key vendors could result in additional costs or penalties, risks of operational delays or potential errors and control issues during the termination or transition phase. We may not be able to find an alternative vendor in a timely manner or on acceptable terms. If there is an interruption in business or loss of access to data resulting from a termination or transition in services, we may not be able to meet the demands of our customers and, in turn, our business and results of operations could be adversely impacted.

#### ***Acquisitions, joint ventures and other transactions involve risks and we may not realize the expected benefits because of integration difficulties, underperformance relative to our expectations and other challenges.***

As part of our growth strategy, we regularly consider and enter into strategic transactions, including mergers, acquisitions, joint ventures, licensing arrangements and other relationships (collectively referred to as "transactions"), with the expectation that these transactions will result in various benefits. Our ability to achieve the anticipated benefits of these transactions is subject to numerous uncertainties and risks, including our ability to integrate operations, resources and systems in an efficient and effective manner. We could also face challenges in implementing business plans; changes in laws and regulations or conditions imposed by regulations applicable to the business; retaining key employees; and general competitive factors in the marketplace. These events could result in increased costs, decreases in expected revenues, earnings or cash flow, and goodwill or other intangible asset impairment charges. Further, we may finance transactions by issuing common stock for some or all of the purchase price that could dilute the ownership interests of our shareholders, or by incurring additional debt that could impact our ability to access capital in the future.

In addition, effective internal controls are necessary to provide reliable and accurate financial reports and to mitigate the risk of fraud. The integration of businesses is likely to cause increasing complexity in our systems and internal controls and make them more difficult to manage. Any difficulties in assimilating businesses into our control system could cause us to fail to meet our financial reporting obligations. Ineffective internal controls also could cause investors to lose confidence in our reported financial information that could negatively impact the trading price of our stock and our access to capital.

#### ***Our business depends on our ability to effectively invest in, implement improvements to and properly maintain the uninterrupted operation and data integrity of our information technology and other business systems.***

Our business is highly dependent on maintaining both effective information systems and the integrity and timeliness of the data we use to serve our customers and health care professionals and to operate our business. If our data were found to be inaccurate or unreliable due to fraud or other error, or if we or our third-party service providers were to fail to maintain information systems and data integrity effectively, we could experience operational disruptions that may impact our customers and health care professionals and hinder our ability to establish appropriate pricing for products and services, retain and attract customers, establish reserves and report financial results timely and accurately and maintain regulatory compliance, among other things.

Our information technology strategy and execution are critical to our continued success. Increasing regulatory and legislative mandated changes will place additional demands on our information technology infrastructure that could have a direct impact on available resources for projects more directly tied to strategic initiatives. In addition, recent trends toward greater consumer engagement in health care require new and enhanced technologies including more sophisticated applications for mobile devices. We must continue to invest in long-term solutions that will enable us to anticipate customer needs and expectations, enhance the customer experience, act as a differentiator in the market and protect against cybersecurity risks and threats. Our success is dependent, in large part, on maintaining the effectiveness of existing technology systems and continuing to deliver and enhance technology systems that support our business processes in a cost-efficient and resource-efficient manner. Connectivity among technologies is becoming increasingly important. The failure of our health care technologies to operate seamlessly with other products could adversely affect our results of operations, financial position and cash flows. We must also develop new systems to meet current market standards and keep pace with continuing changes in information processing technology, evolving industry and regulatory standards and customer needs. Failure to do so may present compliance challenges and impede our ability to deliver services at a competitive cost. Further, because system development projects are long-term in nature, they may be more costly than expected to complete and may not deliver the expected benefits upon completion.

In addition, our business is highly dependent upon our ability to perform, in an efficient and uninterrupted fashion, necessary business functions, such as claims processing and payment, internet support and customer call centers, and processing new and renewal business. Unavailability, cyber-attack or other failure of one or more of our information technology or other systems could cause slower response times, resulting in claims not being processed as quickly as clients or customers desire, decreased levels of client or customer service and satisfaction, and harm to our reputation. Because our information technology and other systems interface with and depend on third-party systems, we could experience service denials if demand for such service exceeds capacity or a third-party system fails or experiences an interruption. If sustained or repeated, such business interruptions, systems failures or service denials could have material adverse effects on our business, results of operations, financial condition and liquidity.

#### ***As a large health services company, we are subject to cyber-attacks. If we are unable to prevent or contain the effects of any such attacks, we may suffer exposure to substantial liability, reputational harm, loss of revenue or other damages.***

Our business depends on our clients' and customers' willingness to entrust us with their health-related and other sensitive personal information. Computer systems may be vulnerable to physical break-ins, computer viruses or malware, programming errors, attacks by third

parties or similar disruptive problems. We have been, and will likely continue to be, the target of computer viruses or other malicious codes, unauthorized access, cyber-attacks or other computer-related penetrations. As we increase the amount of personal information that we store and share digitally, our exposure to data security and related cybersecurity risks increases including the risk of undetected attacks, damage, loss or unauthorized access or misappropriation of proprietary or personal information, and the cost of attempting to protect against these risks also increases. We have implemented security technologies, processes and procedures to protect consumer identity; however, there are no assurances that such measures will be effective against all types of breaches. The techniques used change frequently or are often not recognized until launched, because cyber-attacks can originate from a wide variety of sources including third parties such as external service providers. Those parties may also attempt to fraudulently induce employees, customers or other users of our systems to disclose sensitive information in order to gain access to our data or that of our customers. In addition, while we have certain standards for all vendors that provide us services, our vendors, and in turn, their own service providers, may become subject to a security breach as a result of their failure to perform in accordance with contractual arrangements.

The costs to eliminate or address security threats and vulnerabilities before or after a cyber-incident could be significant. Our remediation efforts may not be successful and could result in interruptions, delays, or cessation of service and loss of existing or potential customers.

In addition, breaches of our security measures and the unauthorized dissemination of sensitive personal information or proprietary information or confidential information about us, our customers or other third-parties could expose our customers' private information and our customers to the risk of financial or medical identity theft. Unauthorized dissemination of confidential and proprietary information about our business and strategy also could negatively affect the achievement of our strategic initiatives. Such events would also negatively affect our ability to compete, others' trust in us, our reputation, customer base and revenues and expose us to mandatory disclosure to the media, litigation and other enforcement proceedings, material fines, penalties and/or remediation costs, and compensatory, special, punitive and statutory damages, consent orders and other adverse actions, any of which could adversely affect our business, results of operations, financial condition or liquidity.

***Our pharmacy benefit management business and related operations are subject to a number of risks and uncertainties that are in addition to those we face in our health care business.***

Notwithstanding our arrangement with a third-party vendor for certain pharmacy benefit management services, we remain responsible to regulators and our clients and customers for the delivery of those pharmacy benefit management services that we contract to provide. This business is subject to federal and state regulation, including without limitation, federal and state anti-remuneration laws, ERISA, HIPAA and laws related to the operation of Internet and mail-service pharmacies. In addition, certain of our subsidiaries are pharmacies subject to state licensing and U.S. Drug Enforcement Agency registration requirements and state and federal laws concerning labeling, packaging, advertising, handling and adulteration of prescription drugs and dispensing of controlled substances. Noncompliance with applicable regulations by us or our third-party vendor(s) could have material adverse effects on our business, results of operations, financial condition, liquidity and reputation.

Our pharmacy benefit management business also would be adversely affected by an inability to contract on favorable terms with pharmaceutical manufacturers and we could suffer liability exposure and reputational harm in connection with purported errors by mail order or retail pharmacy businesses.

***In operating onsite clinics and other types of medical facilities, we may be subject to additional liability that could result in significant time and expense.***

In addition to contracting with physicians and other health care providers for services, we employ physicians and other health care professionals at onsite low acuity and primary care clinics that we operate for our customers, as well as certain clinics for our employees. In addition, our Government business operates LivingWell health centers and we own and operate multispecialty health care centers, low acuity clinics and other types of centers in the Phoenix, Arizona metropolitan area that employ physicians and other health care professionals. As a direct employer of health care professionals and as an owner or operator of medical facilities, we are subject to liability for negligent acts, omissions, or injuries occurring at one of these clinics or caused by one of our employees. Even if any claims brought against us are unsuccessful or without merit, we still have to defend against such claims. The defense of any actions may result in significant expenses that could have a material adverse effect on our business, results of operations, financial condition, liquidity and reputation.

## **Legal and Compliance Risks**

***Our business is subject to substantial government regulation, as well as new laws or regulations or changes in existing laws or regulations that could have a material adverse effect on our business, results of operations, financial condition and liquidity.***

Our business is regulated at the federal, state, local and international levels. The laws and rules governing our business and related interpretations, including, among others, those associated with the Health Care Reform Act, are increasing in number and complexity, are subject to frequent change and can be inconsistent or in conflict with each other. As a public company with global operations, we are subject to the laws of multiple jurisdictions and the rules and regulations of various governing bodies, such as those related to financial and other disclosures, corporate governance, privacy, data protection, labor and employment, consumer protection, tax and anti-corruption.

We must identify, assess and respond to new trends in the legislative and regulatory environment, as well as comply with the various existing regulations applicable to our business. Existing or future laws, rules, regulatory interpretations or judgments could force us to change how we conduct our business, restrict revenue and enrollment growth, increase health care, technology and administrative costs including capital requirements, and require enhancements to our compliance infrastructure and internal controls environment. Existing or future laws and rules also could require us to take other actions such as changing our business practices, thereby increasing our liability in federal and state courts for coverage determinations, contract interpretation and other actions.



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In the foreseeable future, the impact of existing regulations and future regulatory and legislative changes could materially adversely affect our business, results of operations, financial condition and cash flows by, among other things:

- reducing the potential for growth in revenues and clients by disrupting the employer-based market (currently the primary market for our Commercial operating segment) if employers cease to offer health care coverage for their employees;
- restricting revenue, premium and customer growth in certain products and markets or expansion into new markets;
- increasing health care or other benefit costs through enhanced or guaranteed coverage requirements;
- increasing operating costs through the imposition of reporting or administrative requirements;
- increasing operating costs through the imposition of new regulatory requirements, increased taxes and other financial assessments;
- restricting our ability to increase premium rates to meet costs (including denial or delays in approval and implementation of those rates);
- limiting the level of margin we can earn on premiums through mandated minimum medical loss ratios and required rebates in the event we do not meet mandated minimum ratios;
- restricting our ability to participate in and derive revenue from government sponsored programs; and
- significantly reducing the level of Medicare program payments.

Specifically, in the United States, significant changes have occurred in the health care system as a result of the Health Care Reform Act. Substantially all of the key provisions of the Health Care Reform Act are now effective. While federal agencies have published interim and final regulations with respect to certain requirements, many issues remain uncertain.

The new Trump Administration and the U.S. Congress may seek to modify, repeal or replace all or part of this health care reform legislation. These efforts began when President Trump signed an executive order in January 2017 that instructs agencies to waive, defer, grant exemptions from, or delay the implementation of any provision of the Health Care Reform Act that poses a financial burden. As a result, it is difficult to predict the continuing impact of the Health Care Reform Act on our business. In addition, the continuing development of implementing regulations and interpretive guidance and legal challenges has contributed to this uncertainty. We are unable to predict how these events will develop and what impact they will have on the Health Care Reform Act, and in turn, on our business including, but not limited to, our products, services, processes and technology and on our relationships with current and future customers, producers and health care providers.

Further, if we fail to effectively implement or adjust our strategic and operational initiatives, such as by reducing operating costs, adjusting premium pricing or benefit design or transforming our business model in response to the Health Care Reform Act and any other future legislative or regulatory changes, this failure may have a material adverse effect on our results of operations, financial condition and cash flows, including, but not limited to, our ability to maintain the value of our goodwill and other intangible assets.

Our insurance and HMO subsidiaries must be licensed by and are subject to the regulations of the jurisdictions in which they conduct business. For example, health maintenance organizations and insurance companies are regulated under specific state laws and regulations and indirectly affected by other health care-related laws and regulations. State regulations mandate minimum capital or restricted cash reserve requirements. In addition, state guaranty fund laws and related regulations subject us to assessments for certain obligations to policyholders and claimants of impaired or insolvent insurance companies (including state insurance cooperatives). Any such assessment could expose our insurance entities and other insurers to the risk of paying a portion of an impaired or insolvent insurance company's claims through state guaranty association assessments. We also participate in the private exchange marketplace. Whether and the extent to which states may issue regulations that apply to private exchanges remains uncertain.

In addition to the regulations discussed above, we are required to obtain and maintain insurance and other regulatory approvals to market many of our products, increase prices for certain regulated products and consummate some of our acquisitions and dispositions. Delays in obtaining or failure to obtain or maintain these approvals could reduce our revenue or increase our costs.

The health care industry is also regularly subject to negative media attention, including as a result of the political environment and the ongoing debate concerning the Health Care Reform Act. Such publicity may adversely affect our stock price and reputation in certain markets.

For more information on regulation, see "Business — Regulation" in Part I, Item 1 of this Form 10-K. See also the description of the Health Care Reform Act's minimum medical loss ratio and customer rebate requirements in the "Business — Global Health Care" section beginning on page 3 of this Form 10-K.

***There are various risks associated with participating in government sponsored programs, such as Medicare, including dependence upon government funding, changes occurring as a result of the Health Care Reform Act, compliance with government contracts and increased regulatory oversight.***

Through our Government business, we contract with CMS and various state governmental agencies to provide managed health care services including Medicare Advantage plans and Medicare-approved prescription drug plans. Revenues from Medicare programs are dependent, in whole or in part, upon annual funding from the federal government through CMS and/or applicable state or local governments. Funding for these programs is dependent on many factors outside our control including general economic conditions, continuing government efforts to contain health care costs and budgetary constraints at the federal or applicable state or local level and general political issues and priorities. These entities generally have the right to not renew or cancel their contracts with us on short notice without cause or if funds are not available. Unanticipated changes in funding, such as the application of sequestration by the federal or state governments, could substantially reduce our revenues and profitability.

The Medicare program has been the subject of regulatory reform initiatives, including the Health Care Reform Act. The premium rates paid to Medicare Advantage plans and Medicare Part D plans are established by contract, although the rates differ depending on a combination of

factors, many of which are outside our control. The Health Care Reform Act ties a portion of each Medicare Advantage plan's and Medicare Part D plan's reimbursement to the plan's "Star Rating" by CMS, with those plans receiving a rating of four or more stars eligible for quality-based bonus payments. The Star Rating system considers various measures adopted by CMS, including, for example, quality of care, preventative services, chronic illness management, coverage appeals and customer satisfaction. Our Medicare Advantage plans' and Medicare Part D plans' operating results, premium revenue and benefit offerings are likely to continue to be significantly determined by their Star Ratings. In October 2016, CMS announced 2017 Star Ratings and the projected Star Ratings for plans offered by certain subsidiaries of the Company included certain reductions that are primarily attributable to our CMS audit. There is no financial impact in 2017 because these ratings apply to plans for the 2018 payment year. However, if we are unsuccessful in restoring at least some of our downgraded Star Ratings measures, the effect in 2018 could be material to shareholders' net income. See Part II, Item 7 — Management's Discussion and Analysis of Financial Condition and Results of Information — Health Care Industry Developments and Other Matters Affecting our Global Health Care Segment for additional information on the impact of the downgraded 2018 Star Rating measures.

Contracts with CMS and the various state governmental agencies contain certain provisions regarding data submission, provider network maintenance, quality measures, claims payment, continuity of care, call center performance and other requirements. If we fail to comply with these requirements, we may be subject to administrative actions, fines or other penalties that could impact our profitability.

The Health Care Reform Act required establishing health insurance exchanges for individuals and small employers. Insurers participating on the health insurance exchanges are required to offer a minimum level of benefits and comply with requirements with respect to premium rates and coverage limitations. Our participation in these exchanges involves uncertainties associated with mix and volume of business and could adversely affect our results of operations, financial position and cash flows.

In addition, any failure to comply with various state and federal health care laws and regulations, including those directed at preventing fraud and abuse in government funded programs, could result in investigations or litigation, such as actions under the federal False Claims Act and similar whistleblower statutes under state laws. This could subject us to fines, limits on expansion, restrictions or exclusions from programs or other agreements with federal or state governmental agencies that could adversely impact our business, cash flows, financial condition and results of operations.

In addition, our Medicare Advantage and Medicare Part D businesses face a number of other risks including potential uncollectible receivables resulting from processing and/or verifying enrollment, inadequate underwriting assumptions, inability to receive and process correct information or increased medical or pharmaceutical costs. Actual results may be materially different than our assumptions and estimates regarding these complex and wide-ranging programs that could have a material adverse effect on our business, financial condition and results of operations.

### ***We face risks related to litigation, regulatory audits and investigations.***

We are routinely involved in numerous claims, lawsuits, regulatory audits, investigations and other legal matters arising in the ordinary course of business, including that of administering and insuring employee benefit programs. These legal matters could include benefit claims, breach of contract actions, tort claims, claims arising from consumer protection laws, claims disputes under federal or state laws and disputes regarding reinsurance arrangements, employment and employment discrimination-related suits, antitrust claims, employee benefit claims, wage and hour claims, tax, privacy, intellectual property and whistle blower claims and real estate disputes. In addition, we have incurred and likely will continue to incur liability for practices and claims related to our health care business, such as marketing misconduct, failure to timely or appropriately pay for or provide health care, provider network structure, poor outcomes for care delivered or arranged, provider disputes including disputes over compensation or contractual provisions, and claims related to our administration of self-funded business. There are currently, and may be in the future, attempts to bring class action lawsuits against the industry; or individual plaintiffs also may bring multiple claims regarding the same subject matter against us and other companies in our industry.

With respect to our global operations, contractual rights, laws and regulations may be subject to interpretation or uncertainty to a greater degree than in the U.S., and therefore subject us to disputes by customers, governmental authorities or others.

Court decisions and legislative activity may increase our exposure for any of these types of claims. In some cases, substantial non-economic or punitive damages may be sought. We seek to procure insurance coverage to cover some of these potential liabilities. However, certain potential liabilities may not be covered by insurance, insurers may dispute coverage or the amount of insurance may be insufficient to cover the entire damages awarded. In addition, certain types of damages, such as punitive damages, may not be covered by insurance, and insurance coverage for all or certain forms of liability may become unavailable or prohibitively expensive in the future. It is possible that the resolution of current or future legal matters and claims could result in losses material to our results of operations, financial condition and liquidity.

We are frequently the subject of regulatory market conduct and other reviews, audits and investigations by state insurance and health and welfare departments, attorneys general, CMS and the OIG and comparable authorities in foreign jurisdictions. With respect to our Medicare Advantage business, CMS and OIG perform audits to determine a health plan's compliance with federal regulations and contractual obligations, including compliance with proper coding practices and fraud and abuse enforcement practices through audits designed to detect and correct improper payments, and the DOJ has requested information regarding these practices. There also continues to be heightened review by federal and state regulators of business and reporting practices within the health care and disability insurance industry and increased scrutiny by other state and federal governmental agencies (such as state attorneys general) empowered to bring criminal actions in circumstances that could have previously given rise only to civil or administrative proceedings. These regulatory audits or reviews or actions by other governmental agencies could result in changes to our business practices, retroactive adjustments to certain premiums, significant fines, penalties, civil liabilities, criminal liabilities or other sanctions, including restrictions on our ability to market certain products or engage in business-related activities, that could have a material adverse effect on our business, results of operation, financial condition and liquidity. In addition, disclosure of an adverse investigation or audit or the imposition of fines or other sanctions in addition to the CMS sanctions discussed below could negatively affect our reputation in certain markets and make it more difficult for us to sell our products and services.

In January 2016, CMS issued to the Company a Notice of Imposition of Immediate Intermediate Sanctions (the "Notice"). The Notice requires the Company to suspend certain enrollment and marketing activities for its Medicare Advantage-Prescription Drug and Medicare Part D Plans.

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The Company is working to resolve these matters as quickly as possible. However, these matters were not resolved in time to participate in the 2017 Medicare Advantage and Part D annual enrollment period for 2017. See Part II, Item 7 — Management's Discussion and Analysis of Financial Condition and Results of Information — Health Care Industry Developments and Other Matters Affecting our Global Health Care Segment for additional information on the impact of the downgraded 2018 Star Rating measures.

A description of material pending legal actions and other legal and regulatory matters is included in Note 21 to our Consolidated Financial Statements included in this Form 10-K. The outcome of litigation and other legal or regulatory matters is always uncertain, and outcomes that are not justified by the evidence or existing law can occur.

#### ***If we fail to comply with applicable privacy, security, and data laws, regulations and standards, our business and reputation could be materially and adversely affected.***

The collection, maintenance, protection, use, transmission, disclosure and disposal of sensitive personal information are regulated at the federal, state, international and industry levels and requirements are imposed on us by contracts with clients. In some cases, such laws, rules, regulations and contractual requirements also apply to our vendors and require us to obtain written assurances of their compliance with such requirements or may hold us liable for any violations by our vendors. International laws, rules and regulations governing the use and disclosure of such information are generally more stringent than in the United States, and they vary from jurisdiction to jurisdiction. We also are subject to various other consumer protection laws that regulate our communications with customers.

These laws, rules, and contractual requirements are subject to change. Compliance with new privacy, security and data laws, regulations and requirements may result in increased operating costs, and may constrain or require us to alter our business model or operations. For example, the HITECH amendments to HIPAA may further restrict our ability to collect, disclose and use sensitive personal information and may impose additional compliance requirements on our business.

HIPAA requires covered entities to comply with the HIPAA privacy, security and breach rules. In addition, business associates must comply with the HIPAA security and breach requirements. While we provide for appropriate protections through our contracts with our third-party service providers and in certain cases assess their security controls, we have limited oversight or control over their actions and practices. Several of our businesses act as business associates to their covered entity customers and, as a result, collect, use, disclose and maintain sensitive personal information in order to provide services to these customers. HHS has continued its audit program to assess HIPAA compliance efforts by covered entities and has expanded it to include business associates. In addition, HHS has increased its enforcement efforts. These efforts result in enforcement actions that are the result of investigations brought on by the notification to HHS of a breach. An audit resulting in findings or allegations of noncompliance or the implementation of an enforcement action could have an adverse effect on our results of operations, financial position and cash flows.

#### ***Effective prevention, detection and control systems are critical to maintain regulatory compliance and prevent fraud and failure of these systems could adversely affect us.***

Federal and state governments have made investigating and prosecuting health care and other insurance fraud and abuse a priority. Fraud and abuse prohibitions encompass a wide range of activities including kickbacks for referral of customers, billing for unnecessary medical services, improper marketing, and violations of patient privacy rights. The regulations and contractual requirements applicable to us are complex and subject to change. In addition, ongoing vigorous law enforcement, a highly technical regulatory scheme and the Dodd-Frank Act legislation and related regulations enhance regulators' enforcement powers and whistleblower incentives and protections. Our compliance efforts in this area will continue to require significant resources. Failure of our prevention, detection or control systems related to regulatory compliance or the failure of employees to comply with our internal policies including data systems security or unethical conduct by managers and employees, could adversely affect our reputation and also expose us to litigation and other proceedings, fines and penalties.

In addition, provider or customer fraud that is not prevented or detected could impact our medical costs or those of our self-insured clients. Further, during an economic downturn, we may experience increased fraudulent claims volume that may lead to additional costs due to an increase in disputed claims and litigation.

## **Economic Risks**

#### ***Significant stock market or interest rate declines could result in additional unfunded pension obligations resulting in the need for additional plan funding by us and increased pension expenses.***

We currently have unfunded obligations in our frozen pension plans. A significant decline in the value of the plans' equity and fixed income investments or unfavorable changes in applicable laws or regulations could materially increase our expenses and change the timing and amount of required plan funding. This could reduce the cash available to us, including our subsidiaries. We also are exposed to interest rate and equity risk associated with our pension and other post-retirement obligations. Sustained declines in interest rates could have an adverse impact on the funded status of our pension plans and our reinvestment yield on new investments. See Note 15 to our Consolidated Financial Statements for more information on our obligations under the pension plan.

#### ***Significant changes in market interest rates affect the value of our financial instruments that promise a fixed return or benefit and the value of particular assets and liabilities.***

As an insurer, we have substantial investment assets that support insurance and contractholder deposit liabilities. Generally low levels of interest rates on investments, such as those experienced in U.S. and foreign financial markets during recent years, have negatively impacted our level of investment income earned in recent periods.

A substantial portion of our investment assets are in fixed interest-yielding debt securities of varying maturities, fixed redeemable preferred securities and commercial mortgage loans. The value of these investment assets can fluctuate significantly with changes in market conditions.



A rise in interest rates would likely reduce the value of our investment portfolio and increase interest expense if we were to access our available lines of credit.

***A downgrade in the financial strength ratings of our insurance subsidiaries could adversely affect new sales and retention of current business, and a downgrade in our debt ratings would increase the cost of borrowed funds and negatively affect our ability to access capital.***

Financial strength, claims paying ability and debt ratings by recognized rating organizations are each important factors in establishing the competitive position of insurance and health benefits companies. Ratings information by nationally recognized ratings agencies is broadly disseminated and generally used throughout the industry. We believe that the claims paying ability and financial strength ratings of our principal insurance subsidiaries are important factors in marketing our products to certain customers. Our debt ratings impact both the cost and availability of future borrowings, and accordingly, our cost of capital. Each of the rating agencies reviews ratings periodically and there can be no assurance that current ratings will be maintained in the future. A downgrade of these ratings in the future could make it more difficult to either market our products successfully or raise capital to support business growth within our insurance subsidiaries.

***Global market, economic and geopolitical conditions may cause fluctuations in equity market prices, interest rates and credit spreads that could impact our ability to raise or deploy capital and affect our overall liquidity.***

If the equity and credit markets experience extreme volatility and disruption, there could be downward pressure on stock prices and credit capacity for certain issuers without regard to those issuers' underlying financial strength. Extreme disruption in the credit markets could adversely impact our availability and cost of credit in the future. In addition, unpredictable or unstable market conditions or continued pressure in the global or U.S. economy could result in reduced opportunities to find suitable opportunities to raise capital.

As of December 31, 2016, our outstanding long-term debt totaled \$4.8 billion. In the event of adverse economic and industry conditions, we may be required to dedicate a greater percentage of our cash flow from operations to the payment of principal and interest on our debt, thereby reducing the funds we have available for other purposes, such as investments in ongoing businesses, acquisitions, dividends and stock repurchases. In these circumstances, our ability to execute our strategy may be limited, our flexibility in planning for or reacting to changes in business and market conditions may be reduced, or our access to capital markets may be limited such that additional capital may not be available or may be available only on unfavorable terms.

***Unfavorable developments in economic conditions may adversely affect our business, results of operations and financial condition.***

Global economic conditions continue to be challenging. Many factors, including geopolitical issues, confidence in any economic recoveries and any future economic downturns, availability and cost of credit and other capital and consumer spending can negatively impact expectations for the U.S. and global economies. Our results of operations could be materially and adversely affected by the impact of unfavorable economic conditions on our customers (both employers and individuals), health care providers and third-party vendors. For example:

- Employers may take action to reduce their operating costs by modifying, delaying or canceling plans to purchase our products or making changes in the mix of products purchased that are unfavorable to us.
- Higher unemployment rates and workforce reductions could result in lower enrollment in our employer-based plans (including an increase in the number of employees who opt out of employer-based plans) or our individual plans.
- Because of unfavorable economic conditions or the Health Care Reform Act, employers may stop offering health care coverage to employees or elect to offer this coverage on a voluntary, employee-funded basis as a means to reduce their operating costs.
- Our historical disability claim experience and industry data indicate that submitted disability claims rise under adverse economic conditions.
- If customers are not successful in generating sufficient funds or are precluded from securing financing, they may not be able to pay, or may delay payment of, accounts receivable that are owed to us.
- Our customers or potential customers may force us to compete more vigorously on factors such as price and service to retain or obtain their business.
- A prolonged unfavorable economic environment could adversely impact the financial position of hospitals and other health care providers, potentially increasing our medical costs as these providers attempt to maintain revenue levels in their efforts to adjust to their own economic challenges.
- Our third-party vendors could significantly and quickly increase their prices or reduce their output to reduce their operating costs. Our business depends on our ability to perform necessary business functions in an efficient and uninterrupted fashion.

These factors could lead to a decrease in our customer base, revenues or margins and/or an increase in our operating costs.

In addition, during a prolonged unfavorable economic environment, state and federal budgets could be materially and adversely affected, resulting in reduced reimbursements or payments in state and federal government programs such as Medicare and Social Security. These state and federal budgetary pressures also could cause the government to impose new or a higher level of taxes or assessments on us, such as premium taxes on insurance companies and HMOs and surcharges or fees on select fee-for-service and capitated medical claims. Although we could attempt to mitigate or cover our exposure from such increased costs through, among other things, increases in premiums, there can be no assurance that we will be able to mitigate or cover all of such costs, which may have a material adverse effect on our business, results of operations, financial condition and liquidity.

### ***We are subject to the credit risk of our reinsurers.***

We enter into reinsurance arrangements with other insurance companies, primarily to limit losses from large exposures or to permit recovery of a portion of direct losses. We also may enter into reinsurance arrangements in connection with acquisition or divestiture transactions when the underwriting company is not being acquired or sold.

Under all reinsurance arrangements, reinsurers assume insured losses, subject to certain limitations or exceptions that may include a loss limit. These arrangements also subject us to various obligations, representations and warranties with the reinsurers. Reinsurance does not relieve us of liability as the originating insurer. We remain liable to the underlying policyholders if a reinsurer defaults on obligations under the reinsurance arrangement. Although we regularly evaluate the financial condition of reinsurers to minimize exposure to significant losses from reinsurer insolvencies, reinsurers may become financially unsound. If a reinsurer fails to meet its obligations under the reinsurance contract or if the liabilities exceed any applicable loss limit, we will be forced to cover the claims on the reinsured policies.

The collectability of amounts due from reinsurers is subject to uncertainty arising from a number of factors, including whether the insured losses meet the qualifying conditions of the reinsurance contract, whether reinsurers or their affiliates have the financial capacity and willingness to make payments under the terms of the reinsurance contract, and the magnitude and type of collateral supporting our reinsurance recoverable, such as holding sufficient qualifying assets in trusts or letters of credit issued. Although a portion of our reinsurance exposures are secured, the inability to collect a material recovery from a reinsurer could have a material adverse effect on our results of operations, financial condition and liquidity.

### **Other Risks**

#### ***The pendency of and uncertainty surrounding the proposed merger with Anthem, Inc. could adversely affect our business.***

On February 8, 2017, the U.S. District Court for the District of Columbia (the "District Court") issued an order enjoining the proposed merger with Anthem. An appeal of the District Court's order is now pending before the Appeals Court. Cigna entered into the merger agreement in order to create a combined company that would expand choice, improve affordability and quality, and further accelerate value-based care. If the merger is not consummated as originally proposed, we will not realize any potential benefits of the merger. In addition, as discussed below under "*The ongoing litigation related to the merger agreement could adversely affect our business, financial results and operations*," we and Anthem are involved in pending litigation against each other. Cigna believes that, after the ruling by the District Court to enjoin the merger, terminating the merger agreement is in the best interest of our shareholders. Our inability to terminate the merger agreement could create uncertainty and disruptions to our business, delay or prevent us from pursuing other strategic opportunities or otherwise adversely affect our business, financial results and operations. It is uncertain whether the merger will be consummated or when or if we will be able to terminate the merger agreement, as further discussed below under "*The ongoing litigation related to the merger agreement could adversely affect our business, financial results and operations*".

The pendency of the merger, and the uncertainty surrounding whether the merger will be consummated or terminated, may cause disruptions to our business, which could adversely affect our relationships with our clients, customers, providers, lenders, vendors and/or employees. As a result of this uncertainty, we could also potentially lose or fail to attract new key employees, clients, vendors and our provider arrangements could be disrupted. In addition, we have diverted, and will continue to divert, management resources towards the proposed merger. The proposed merger will continue to divert management's attention and our resources from ongoing business and operations and other business opportunities. Any disruption to our workforce, business relationships or leadership could adversely affect our business, financial results and operations.

The merger agreement provides for ongoing restrictions on the conduct of our business including, among other things, certain restrictions on our ability to acquire other businesses, sell, transfer or license our assets, repurchase outstanding common stock, make capital expenditures, amend our organizational documents and incur indebtedness. We remain subject to these restrictions pursuant to the temporary restraining order from the Chancery Court, as further discussed below under "*The ongoing litigation related to the merger agreement could adversely affect our business, financial results and operations*". These restrictions could result in our inability to respond effectively to competitive pressures, industry developments and future opportunities.

Furthermore, we have incurred and will continue to incur significant transaction costs with respect to the proposed merger, including legal and other costs. The incurrence of these costs could adversely affect our business, financial results and operations.

#### ***The ongoing litigation related to the merger agreement could adversely affect our business, financial results and operations.***

On February 14, 2017, we notified Anthem that we had terminated the merger agreement and filed suit in the Delaware Court of Chancery (the "Chancery Court") seeking, among other things, declaratory judgments that the Company's termination of the merger agreement is lawful and that Anthem is not permitted to extend the termination date to April 30, 2017. In the filed suit, we are also seeking payment by Anthem of the \$1.85 billion reverse termination fee contemplated in the merger agreement, as well as additional damages. Later that day, Anthem filed suit against us seeking a temporary restraining order preventing the termination of the merger agreement, specific performance and damages. On February 15, 2017, the Chancery Court issued an order temporarily enjoining Cigna from terminating the merger agreement. Such litigation could be costly, create uncertainty with respect to the future of our business or otherwise adversely affect our business, financial results and operations.

While we believe in the merits of our claims and dispute Anthem's claims, the outcomes of lawsuits are inherently unpredictable, and we may be unsuccessful in the ongoing litigation or any future claims or litigation. The Chancery Court may find that we have not complied, in full or in part, with our obligations under the merger agreement, that we are liable for a breach, willful or otherwise, of the merger agreement, that we do not have a right to terminate the merger agreement, that we are not entitled to the reverse termination fee or other adverse findings. Failure to collect all or some of the reverse termination fee would adversely affect our business, financial results and operations. Anthem has claimed money damages in an amount to be proven at trial, including for actual damages, incidental damages, consequential damages, lost profits, lost goodwill, and other costs and damages incurred by Anthem by reason of Cigna's alleged breaches of the merger agreement. If Anthem prevails on any of these claims for damages, Cigna's liability could be substantial, and any such ruling could adversely affect our business, financial results and operations. Finally, any binding or non-binding decision that delays or eliminates our ability to terminate the merger agreement could create uncertainty and disruptions to our business, delay or prevent us from pursuing other strategic opportunities or otherwise adversely affect our business, financial results and operations.

## ITEM 1B. Unresolved Staff Comments

None.

## ITEM 2. Properties

Our global real estate portfolio consists of approximately 7.8 million square feet of owned and leased properties. Our domestic portfolio has approximately 5.8 million square feet in 38 states, the District of Columbia, Puerto Rico and the U.S. Virgin Islands. Our International properties contain approximately 2.0 million square feet located throughout the following countries: Australia, Bahrain, Belgium, Canada, China, Hong Kong, India, Indonesia, Kenya, Malaysia, New Zealand, Singapore, South Korea, Spain, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, and the United Kingdom.

Our principal, domestic office locations, including various support operations, along with Group Disability and Life Insurance, Health Services, Core Medical and Service Operations and the domestic office of our Global Supplemental Benefits business are the Wilde Building located at 900 Cottage Grove Road in Bloomfield, Connecticut (our corporate headquarters) and Two Liberty Place located at 1601 Chestnut Street in Philadelphia, Pennsylvania. The Wilde Building measures approximately 893,000 square feet and is owned, while Two Liberty Place measures approximately 322,000 square feet and is leased office space.

We believe our properties are adequate and suitable for our business as presently conducted. The foregoing does not include information on investment properties.

## ITEM 3. Legal Proceedings

The information contained under “Litigation Matters”, “Regulatory Matters” and “Other Legal Matters” in Note 21 to our Financial Statements beginning on page 106 of this Form 10-K, is incorporated herein by reference.

## ITEM 4. Mine Safety Disclosures

Not applicable.

## PART I

### EXECUTIVE OFFICERS OF THE REGISTRANT

# EXECUTIVE OFFICERS OF THE REGISTRANT

All officers are elected to serve for a one-year term or until their successors are elected. Principal occupations and employment during the past five years are listed below.

LISA R. BACUS, 52, Executive Vice President and Global Chief Marketing Officer of Cigna beginning May 2013 and Chief Customer Officer beginning February 2017; Executive Vice President and Chief Marketer at American Family Insurance from February 2008 until May 2013.

MARK L. BOXER, 57, Executive Vice President and Global Chief Information Officer of Cigna beginning April 2011; Deputy Chief Information Officer, Xerox Corporation; and Group President, Government Health Care, for Xerox Corporation/Affiliated Computer Services from March 2009 until April 2011.

DAVID M. CORDANI, 51, Chief Executive Officer of Cigna beginning December 2009; Director since October 2009; President beginning June 2008; and Chief Operating Officer from June 2008 until December 2009.

CHRISTOPHER HOCEVAR, 43, President, Strategy, Segments and Solutions beginning February 2017; President, Pharmacy and Select Business from June 2013 to February 2017; President, Select Business beginning February 2011.

NICOLE S. JONES, 46, Executive Vice President and General Counsel of Cigna beginning June 2011; Senior Vice President and General Counsel of Lincoln Financial Group from May 2010 until June 2011; Vice President and Deputy General Counsel of Cigna from April 2008 until May 2010; and Corporate Secretary of Cigna from September 2006 until April 2010.

MATTHEW G. MANDERS, 55, President, Government & Individual Programs and Group Insurance beginning February 2017; President, U.S. Markets from June 2014 until February 2017; President, Regional and Operations from November 2011 until June 2014; President, U.S. Service, Clinical and Specialty from January 2010 until November 2011; and President of Cigna HealthCare, Total Health, Productivity, Network & Middle Market from June 2009 until January 2010.

THOMAS A. MCCARTHY, 60, Executive Vice President and Chief Financial Officer of Cigna beginning July 2013; Vice President of Finance with responsibility for treasury, tax, strategy and corporate development, and management of run-off reinsurance from February 2003 until July 2013; Acting Chief Financial Officer from September 2010 until June 2011, and Treasurer from July 2008 until June 2011.

ALAN M. MUNY, MD, MHA, 63, Executive Vice President, Total Health & Network and Chief Medical Officer beginning February 2017; joined Cigna as Senior Vice President, Total Health & Network in 2010 and named Chief Medical Officer in 2011.

JOHN M. MURABITO, 58, Executive Vice President, Human Resources and Services of Cigna beginning August 2003.

JASON D. SADLER, 48, President, International Markets beginning June 2014; President, Global Individual Health, Life and Accident from July 2010 until June 2014, and Managing Director Insurance Business Hong Kong, HSBC Insurance Asia Limited from January 2007 until July 2010.

MICHAEL TRIPLETT, 55, President, U.S. Markets beginning February 2017; Regional Segment Lead from June 2009 to February 2017.

## PART II

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

The information under the caption "Quarterly Financial Data - Stock and Dividend Data" appears on page 113 of this Form 10-K. As of December 31, 2016, the number of shareholders of record was 6,029. Cigna's common stock is listed with, and trades on, the New York Stock Exchange under the symbol "CI".

### Issuer Purchases of Equity Securities

The following table provides information about Cigna's share repurchase activity for the quarter ended December 31, 2016:

Period	Total # of shares purchased <sup>(1)</sup>	Average price paid per share	Total # of shares purchased as part of publicly announced program <sup>(2)</sup>	Approximate dollar value of shares that may yet be purchased as part of publicly announced program <sup>(3)</sup>
October 1-31, 2016	235	\$ 123.45	-	\$ 725,000,122
November 1-30, 2016	21,463	\$ 132.60	-	\$ 725,000,122
December 1-31, 2016	1,952	\$ 136.21	-	\$ 725,000,122
<b>Total</b>	<b>23,650</b>	<b>\$ 132.81</b>	<b>-</b>	<b>N/A</b>

(1) Represents shares tendered by employees as payment of taxes withheld on vesting of restricted stock and strategic performance shares granted under the Company's equity compensation plans.

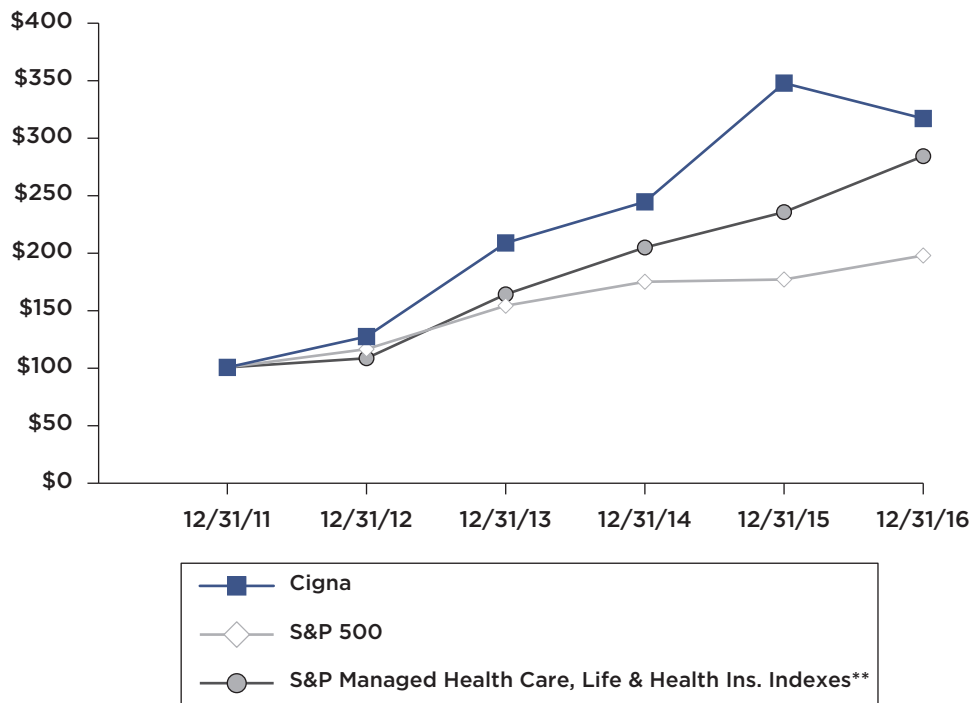
(2) Additionally, the Company maintains a share repurchase program, authorized by the Board of Directors. Under this program, the Company may repurchase shares from time to time, depending on market conditions and alternate uses of capital. The timing and actual number of shares repurchased will depend on a variety of factors, including price, general business and market conditions and alternate uses of capital. The share repurchase program may be effected through open market purchases or privately negotiated transactions in compliance with Rule 10b-18 under the Securities Exchange Act of 1934, as amended, including through Rule 10b5-1 trading plans. The program may be suspended or discontinued at any time. In 2016, the Company repurchased approximately 0.8 million shares for \$110 million. Remaining authorization under the program was approximately \$725 million as of December 31, 2016. In February 2017, the Board increased repurchase authority to \$3.7 billion, however management has determined that it is prudent to cap the amount of repurchase to \$250 million per quarter until there is more clarity with respect to the litigation with Anthem. From January 1, 2017 through February 22, 2017, the Company repurchased 0.7 million shares for \$106 million. Remaining authorization under the program was \$3.7 billion as of February 22, 2017.

(3) Approximate dollar value of shares is as of the last date of the applicable month.

PART II

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

**Five Year Cumulative Total Shareholder Return\***  
**December 31, 2011 - December 31, 2016**



	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016
Cigna	\$ 100	\$ 127	\$ 209	\$ 245	\$ 349	\$ 318
S&P 500	\$ 100	\$ 116	\$ 154	\$ 175	\$ 177	\$ 198
S&P Managed Health Care, Life & Health Ins. Indexes**	\$ 100	\$ 108	\$ 164	\$ 205	\$ 236	\$ 285

\* Assumes that the value of the investment in Cigna common stock and each index was \$100 on December 31, 2011 and that all dividends were reinvested.

\*\* Weighted average of S&P Managed Health Care (75%) and Life and Health Insurance (25%) Indexes.

## ITEM 6. Selected Financial Data

The selected financial data should be read in conjunction with Management's Discussion and Analysis of Financial Condition and Results of Operations and the Consolidated Financial Statements and accompanying notes included elsewhere herein.

### Highlights

<i>(Dollars in millions, except per share amounts)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Total revenues	\$ <b>39,668</b>	\$ 37,876	\$ 34,914	\$ 32,380	\$ 29,119
Shareholders' net income	\$ <b>1,867</b>	\$ 2,094	\$ 2,102	\$ 1,476	\$ 1,623
Net income	\$ <b>1,843</b>	\$ 2,077	\$ 2,094	\$ 1,478	\$ 1,624
<b>Shareholders' net income per share:</b>					
Basic	\$ <b>7.31</b>	\$ 8.17	\$ 7.97	\$ 5.28	\$ 5.70
Diluted	\$ <b>7.19</b>	\$ 8.04	\$ 7.83	\$ 5.18	\$ 5.61
Common dividends declared per share	\$ <b>0.04</b>	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04
Cash and investments	\$ <b>30,000</b>	\$ 26,681	\$ 25,762	\$ 25,160	\$ 26,638
Total assets	\$ <b>59,360</b>	\$ 57,088	\$ 55,870	\$ 54,306	\$ 53,700
Long-term debt	\$ <b>4,756</b>	\$ 5,020	\$ 4,979	\$ 4,984	\$ 4,952
Total liabilities	\$ <b>45,575</b>	\$ 44,975	\$ 44,991	\$ 43,629	\$ 43,817
Shareholders' equity	\$ <b>13,723</b>	\$ 12,035	\$ 10,774	\$ 10,567	\$ 9,769
Employees	<b>41,000</b>	39,300	37,200	36,500	35,800

# ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

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*Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is intended to provide information to assist you in better understanding and evaluating our financial condition and results of operations. We encourage you to read this MD&A in conjunction with our Consolidated Financial Statements included in Part II, Item 8 of this Annual Report on Form 10-K ("Form 10-K") and the "Risk Factors" contained in Part I, Item 1A of this Form 10-K.*

*Unless otherwise indicated, financial information in the MD&A is presented in accordance with accounting principles generally accepted in the United States of America ("GAAP"). See Note 2 to the Consolidated Financial Statements for additional information regarding the Company's significant accounting policies. In some of our financial tables in this MD&A, we present either percentage changes or "N/M" when those changes are so large as to become not meaningful. Changes in percentages are expressed in basis points ("bps").*

*In this MD&A, our consolidated measures "operating revenues" and "adjusted income from operations" are not determined in accordance with GAAP and should not be viewed as substitutes for the most directly comparable GAAP measures "total revenues" and "shareholders' net income."*

*We define operating revenues as total revenues excluding realized investment results. We exclude realized investment results from this measure because our portfolio managers may sell investments based on factors largely unrelated to the underlying business purposes of each segment. As a result, gains or losses created in this process may not be indicative of past or future underlying performance of our businesses.*

*We use adjusted income (loss) from operations as our principal financial measure of operating performance because management believes it best reflects the underlying results of our business operations and permits analysis of trends in underlying revenue, expenses and profitability. We define adjusted income from operations as shareholders' net income (loss) excluding after-tax realized investment gains and losses, net amortization of other acquired intangible assets and special items. Income or expense amounts are excluded from adjusted income from operations for the following reasons:*

- Realized investment results are excluded because, as noted above, our portfolio managers may sell investments based on factors largely unrelated to the underlying business purposes of each segment.*
- Net amortization of other intangible assets is excluded because it relates to costs incurred for acquisitions and, as a result, it does not relate to the core performance of the Company's business operations. In 2015, the amortization amount was net of a bargain purchase gain on an acquisition.*
- Special items are excluded because management believes they are not representative of the underlying results of operations. See Note 22 to the Consolidated Financial Statements for descriptions of special items.*

## Executive Overview

Cigna Corporation, together with its subsidiaries (either individually or collectively referred to as "Cigna," the "Company," "we," "our" or "us") is a global health services organization dedicated to a mission of helping individuals improve their health, well-being and sense of security. To execute on our mission, Cigna's strategy is to "Go Deep", "Go Global" and "Go Individual" with a differentiated set of medical, dental, disability, life and accident insurance and related products and services offered by our subsidiaries. In addition to these ongoing operations, we also have certain run-off operations.

For further information on our business and strategy, please see Item 1, "Business" in this Form 10-K.



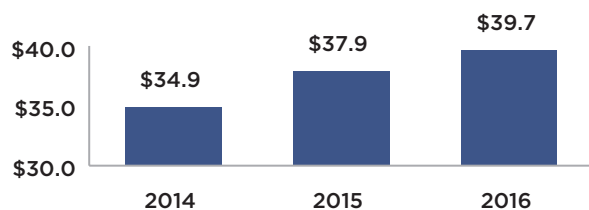
## Financial Summary

Summarized below are certain key measures of our performance for the years ended December 31:

	For the Years Ended December 31,			Increase (Decrease) 2016 vs. 2015	Increase (Decrease) 2015 vs. 2014
	2016	2015	2014		
<i>(Dollars in millions, except per share amounts)</i>					
<b>Total revenues</b> <sup>(1)</sup>	\$ 39,668	\$ 37,876	\$ 34,914	5%	8%
<b>Operating revenues</b> <sup>(1)</sup>					
Global Health Care	\$ 31,199	\$ 29,929	\$ 27,290	4%	10%
Global Supplemental Benefits	3,385	3,149	3,005	7	5
Group Disability and Life	4,443	4,271	3,970	4	8
Other Operations	472	485	510	(3)	(5)
Corporate	-	(15)	(15)	100	-
Total operating revenues <sup>(1)</sup>	\$ 39,499	\$ 37,819	\$ 34,760	4%	9%
<b>Shareholders' net income</b> <sup>(1)</sup>	\$ 1,867	\$ 2,094	\$ 2,102	(11)%	-%
<b>Adjusted Income (Loss) From Operations</b> <sup>(1)</sup>					
Global Health Care	\$ 1,852	\$ 1,848	\$ 1,752	-%	5%
Global Supplemental Benefits	294	262	243	12	8
Group Disability and Life	125	324	317	(61)	2
Other Operations	70	75	68	(7)	10
Corporate	(237)	(253)	(265)	6	5
Total adjusted income from operations <sup>(1)</sup>	\$ 2,104	\$ 2,256	\$ 2,115	(7)%	7%
<b>Earnings per share (diluted):</b>					
Shareholders' net income <sup>(1)</sup>	\$ 7.19	\$ 8.04	\$ 7.83	(11)%	3%
Adjusted income from operations <sup>(1)</sup>	\$ 8.10	\$ 8.66	\$ 7.87	(6)%	10%
Global medical customers (in thousands)	15,197	14,999	14,456	1%	4%

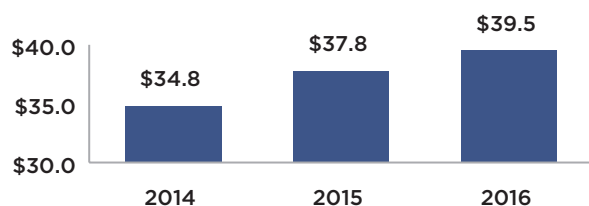
(1) See Consolidated Results of Operations beginning on page 41 for reconciliations of operating revenues to total revenues and adjusted income from operations to shareholders' net income on a dollar and per share basis.

### ■ Total revenues in billions (GAAP) <sup>(1)</sup>



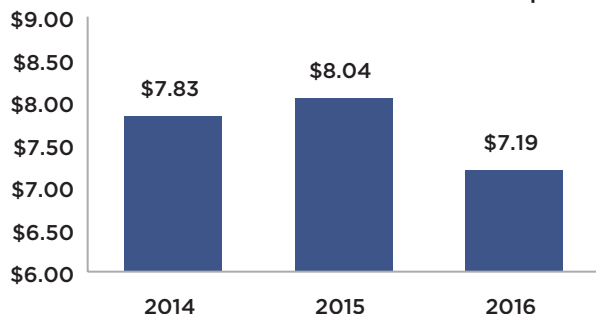
2016 and 2015 both increased, primarily reflecting higher operating revenues driven by business growth across the Company as discussed further below.

### ■ Total operating revenues in billions (non-GAAP) <sup>(1)</sup>



2016 and 2015 both reflected business growth in each of our ongoing reportable segments. Rate actions for certain products within our Commercial segment to recover medical cost trend also contributed to these increases.

### ■ Shareholders' net income per share (GAAP) <sup>(1)</sup>

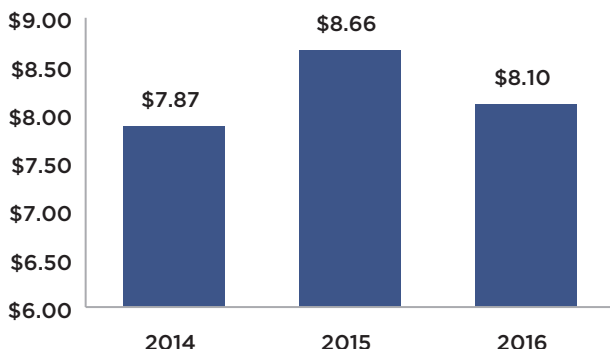


2016 vs. 2015 - Decrease was due to lower adjusted income from operations, primarily in the Group Disability and Life segment. Increased special item charges in 2016 (primarily higher merger costs and the 2016 risk corridor allowance) also contributed to the decline.

2015 vs. 2014 - The slight increase primarily reflected higher adjusted income from operations and, to a lesser extent, the impact of share repurchase. These favorable effects were partially offset by lower realized investment results and 2015 charges for merger and debt extinguishment costs reported as special items.

(1) See Consolidated results of operations starting on page 41 for reconciliations of operating revenues to total revenues and adjusted income from operations to shareholders' net income on a dollar and per share basis.

■ **Total adjusted income from operations per share (non-GAAP)<sup>(1)</sup>**

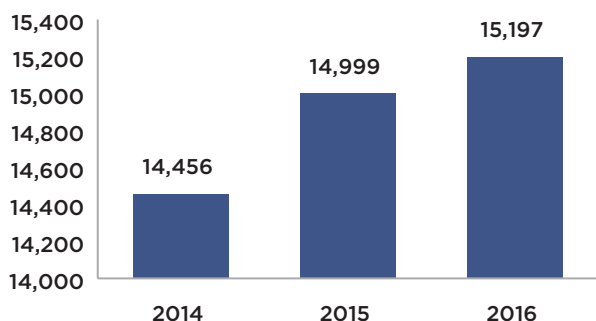


**2016 vs. 2015** - Decrease was driven by significantly lower earnings in Group Disability and Life and costs related to the Government segment's CMS audit response. Increased earnings contributions in Global Supplemental Benefits and the Commercial segment partially offset those unfavorable impacts.

**2015 vs. 2014** - Increase was due to higher earnings in each of our ongoing reportable segments, reflecting continued customer growth in all of our reportable segments, including improved contributions from our specialty health care businesses. Share repurchase also contributed to the increase.

(1) See Consolidated results of operations starting on page 41 for reconciliations of operating revenues to total revenues and adjusted income from operations to shareholders' net income on a dollar and per share basis.

■ **Global medical customers in thousands**



**2016 and 2015** both increased, including growth in the middle market, select and international market segments. The 2015 increase also reflected the acquisition of QualCare Alliance Networks, Inc. as well as growth in the government market segment.

Further discussion of detailed components of revenues and expenses can be found in the "Consolidated Results of Operations" section of this MD&A beginning on page 41. For further analysis and explanation of individual segment results, see the "Segment Reporting" section of this MD&A beginning on page 49.

## Key Transactions

### **Proposed Merger with Anthem, Inc. ("Anthem")**

On July 23, 2015, we entered into a definitive agreement to merge with Anthem, subject to certain terms, conditions and customary operating covenants, with Anthem continuing as the surviving company. At special shareholders' meetings in December 2015, Cigna shareholders approved the merger with Anthem and Anthem shareholders voted to approve the issuance of shares of Anthem common stock according to the merger agreement. Upon closing, our shareholders would receive \$103.40 in cash and 0.5152 of a share of Anthem common stock for each common share of the Company. The closing price of Anthem stock on February 22, 2017 was \$163.27.

Consummation of the merger is subject to certain customary conditions, including the receipt of certain necessary governmental and regulatory approvals, and the absence of a legal restraint prohibiting the consummation of the merger. On July 21, 2016, the U.S. Department of Justice ("DOJ") and certain state attorneys general filed a civil antitrust lawsuit in the U.S. District Court for the District of Columbia (the "District Court") seeking to block the merger and, on January 4, 2017, the parties concluded the District Court trial. On February 8, 2017, the District Court issued an order enjoining the proposed merger. Anthem appealed this ruling to the U.S. Court of Appeals for the District of Columbia Circuit (the "Appeals Court"). Additionally, Cigna appealed the District Court ruling following the Chancery Court ruling described below.

On February 14, 2017, Cigna delivered a notice to Anthem terminating the merger agreement and filed suit in the Delaware Court of Chancery (the "Chancery Court") seeking, among other things, declaratory judgment that Cigna's termination of the merger agreement is lawful and that Anthem does not have the right to extend the merger agreement termination date. Later that day, Anthem filed a lawsuit in the Chancery Court against us seeking, among other things, a temporary restraining order to enjoin Cigna from terminating the merger agreement, specific performance and damages, and, on February 15, 2017, the Chancery Court issued an order temporarily enjoining us from terminating the merger agreement. This order will be subject to further review at a preliminary injunction hearing.

See Notes 3 and 21 to the Consolidated Financial Statements in this Form 10-K for additional information about the proposed merger. See Item 1A. - Risk Factors in this Form 10-K for risks to our business due to the proposed merger.



## Risk Mitigation Programs

See Note 2 (K) to the Consolidated Financial Statements for a description of and our accounting policy for these programs that commenced in 2014.

The following table presents the after-tax benefits to shareholders' net income from these programs for the years ended December 31, 2016, 2015 and 2014 and our net receivable balances as of December 31, 2016 and 2015.

<i>(In millions)</i>	Net Receivable Balance <sup>(2)</sup> As of December 31,		After-tax Impact on Shareholders' Net Income For the Years Ended December 31,		
	2016	2015	2016	2015	2014
<b>Risk Corridor <sup>(1)</sup></b>					
Risk corridor (gross)	\$ 124	\$ 134	\$ (6)	\$ 49	\$ 40
Risk corridor allowance	(124)	-	(80)	-	-
Net risk corridor	-	134	(86)	49	40
Reinsurance	63	158	30	125	109
Risk adjustment	1	118	25	92	49
Total	\$ 64	\$ 410	\$ (31)	\$ 266	\$ 198

(1) Starting in fourth quarter 2016, we did not record amounts due to us under the risk corridor program and recorded an allowance for previously due amounts. See discussion below.

(2) For the reinsurance program, receivables are reported in reinsurance recoverables. Receivables, net of allowances, for the risk adjustment and risk corridor programs are reported in premiums, accounts and notes receivable. Payables for the risk adjustment program as of December 31, 2016 of \$51 million are netted in the receivable balance presented above, but are reported in accounts payable, accrued expenses and other liabilities in the Consolidated Balance Sheets.

As of September 30, 2016, the Company's risk corridor receivable was \$124 million pre-tax. An unfavorable court decision was issued during the fourth quarter rejecting another insurer's statutory, contractual and constitutional claims for payment of risk corridor receivables (Land of Lincoln Mutual Health Insurance Company v. United States). Based on this decision, as well as the large risk corridor program deficit, under applicable accounting rules, the Company determined it was required to establish an allowance for all of the \$124 million of receivables associated with the risk corridor program. In addition, the Company was unable to recognize \$25 million pre-tax income for incremental fourth quarter risk corridor receivables. This court case is under appeal and notwithstanding the accounting reflected, management continues to believe that the government has a binding obligation to satisfy the risk corridor receivable. We expect full payment of the remaining reinsurance and risk adjustment receivables.

## Consolidated Results of Operations

### Financial Summary

Summarized below are our results of operations on a GAAP basis.

<i>(In millions)</i>	For the Years Ended December 31,			Increase (Decrease)		Increase (Decrease)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Premiums	\$ 30,626	\$ 29,642	\$ 27,214	\$ 984	3%	\$ 2,428	9%
Fees and other revenues	4,760	4,488	4,141	272	6	347	8
Net investment income	1,147	1,153	1,166	(6)	(1)	(13)	(1)
Mail order pharmacy revenues	2,966	2,536	2,239	430	17	297	13
Operating revenues	39,499	37,819	34,760	1,680	4	3,059	9
Net realized investment gains	169	57	154	112	196	(97)	(63)
<b>Total revenues</b>	<b>39,668</b>	<b>37,876</b>	<b>34,914</b>	<b>1,792</b>	<b>5</b>	<b>2,962</b>	<b>8</b>
Global Health Care medical costs	19,009	18,354	16,694	655	4	1,660	10
Other benefit expenses	5,477	4,936	4,640	541	11	296	6
Mail order pharmacy costs	2,468	2,134	1,907	334	16	227	12
Other operating expenses	9,584	8,982	8,174	602	7	808	10
Amortization of other acquired intangible assets, net	151	143	195	8	6	(52)	(27)
<b>Benefits and expenses</b>	<b>36,689</b>	<b>34,549</b>	<b>31,610</b>	<b>2,140</b>	<b>6</b>	<b>2,939</b>	<b>9</b>
<b>Income before income taxes</b>	<b>2,979</b>	<b>3,327</b>	<b>3,304</b>	<b>(348)</b>	<b>(10)</b>	<b>23</b>	<b>1</b>
Income taxes	1,136	1,250	1,210	(114)	(9)	40	3
<b>Net income</b>	<b>1,843</b>	<b>2,077</b>	<b>2,094</b>	<b>(234)</b>	<b>(11)</b>	<b>(17)</b>	<b>(1)</b>
Less: net (loss) attributable to noncontrolling interests	(24)	(17)	(8)	(7)	(41)	(9)	(113)
<b>Shareholders' net income</b>	<b>\$ 1,867</b>	<b>\$ 2,094</b>	<b>\$ 2,102</b>	<b>\$ (227)</b>	<b>(11)%</b>	<b>\$ (8)</b>	<b>-%</b>

A reconciliation of shareholders' net income to adjusted income from operations follows:

<i>(In millions)</i>	For the Years Ended December 31,			Increase (Decrease)		Increase (Decrease)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Shareholders' net income	\$ 1,867	\$ 2,094	\$ 2,102	\$ (227)	(11)%	\$ (8)	-%
After-tax adjustments required to reconcile to adjusted income from operations:							
- Net realized investment (gains)	(109)	(40)	(106)	(69)		66	
- Amortization of other acquired intangible assets, net	94	80	119	14		(39)	
<b>Special items:</b>							
- Risk corridor allowance (See Note 22 to the Consolidated Financial Statements)	80	-	-	80		-	
- Merger-related transaction costs (See Note 3 to the Consolidated Financial Statements)	147	57	-	90		57	
- Charges associated with litigation matters discussed in Note 21 to the Consolidated Financial Statements	25	-	-	25		-	
- Debt extinguishment costs (See Note 5 to the Consolidated Financial Statements)	-	65	-	(65)		65	
Adjusted income from operations	\$ 2,104	\$ 2,256	\$ 2,115	\$ (152)	(7)%	\$ 141	7%

Other Key Consolidated Financial Data	For the Years Ended December 31,			Change Favorable (Unfavorable)		Change Favorable (Unfavorable)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
<b>Earnings per share (diluted):</b>							
Shareholders' net income	\$ 7.19	\$ 8.04	\$ 7.83	\$ (0.85)	(11)%	\$ 0.21	3%
Per share impact of after-tax adjustments to shareholders' net income							
Net realized investment (gains)	(0.42)	(0.15)	(0.40)	(0.27)		0.25	
Amortization of other acquired intangible assets, net	0.36	0.30	0.44	0.06		(0.14)	
Special items - see Note 22 for details	0.97	0.47	-	0.50		0.47	
Adjusted income from operations	\$ 8.10	\$ 8.66	\$ 7.87	\$ (0.56)	(6)%	\$ 0.79	10%
Effective tax rate	38.1%	37.6%	36.6%	(50) bps		(100) bps	

## Consolidated Results of Operations: 2016 Compared to 2015 and 2015 Compared to 2014

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- **Revenues.** The components of revenue changes are discussed further below:
  - **Premiums.** The increases in both 2016 and 2015, compared with each prior year, reflected premium growth in each of our ongoing reporting segments: Global Health Care, Global Supplemental Benefits and Group Disability and Life. These results were primarily attributable to customer growth in our targeted market segments within Global Health Care, as well as growth in Global Supplemental Benefits and Group Disability and Life. Rate actions in our commercial health care businesses consistent with medical cost trend also contributed to these increases.
  - **Fees and other revenues.** The increases in both 2016 and 2015, compared with each prior year, largely reflected growth from specialty products offered through our Global Health Care segment and an increased customer base for our administrative services only business.
  - **Net investment income** decreased slightly in both 2016 and 2015, compared with each prior year, as lower investment yields in the continued low interest rate environment were partially offset by higher average invested assets. Unfavorable foreign currency effects also contributed to these declines.
  - **Mail order pharmacy revenues** increased in both 2016 and 2015, compared with each prior year, driven by greater volume, primarily for specialty medications (e.g., certain injectables) due to our higher customer base and increased utilization.
  - **Realized investment results** increased in 2016 compared with 2015 due to significantly lower impairment losses. In 2015, realized investment results decreased compared with 2014, primarily due to higher impairment losses on certain externally managed fixed maturities, particularly within the energy sector. These impairments were driven by increased market yields. See Note 11 to the Consolidated Financial Statements for additional information.
- **Global Health Care medical costs.** The increase in 2016 compared with 2015 resulted primarily from medical cost trend and customer growth in our commercial health care businesses. The 2015 increase compared with 2014 was primarily due to customer growth in our government business and, to a lesser extent, medical cost trend.
- **Other benefit expenses.** The increase in 2016 compared with 2015 was driven by unfavorable disability and life claim experience due primarily to changes in the disability claims management process in 2016 and elevated life claims during the second quarter of 2016. Business growth in our Group Disability and Life and Global Supplemental Benefits segments also contributed to the increase. In 2015, the increase compared with 2014 primarily reflected business growth in our Group Disability and Life and Global Supplemental Benefits segments.
- **Mail order pharmacy costs.** The increases in both 2016 and 2015 compared with each prior year were primarily due to increased volume, primarily for specialty medications (e.g., certain injectables) due to our higher customer base and increased utilization. In 2015, higher unit costs also contributed to the increase.
- **Other operating expenses.** The increases in both 2016 and 2015 compared with each prior year were due to business growth, strategic investment across our segments and special items described in Note 22 to the Consolidated Financial Statements. In 2016, the increase also reflected costs associated with our CMS audit response as discussed in the Executive Overview section of this MD&A beginning on page 36.
- **Amortization of other acquired intangible assets, net.** The increase in 2016 compared with 2015 was driven by the absence of the \$23 million bargain purchase gain recorded in 2015 for an acquisition. This factor was partially offset by the expected continuing decline in amortization from our 2012 acquisition of HealthSpring, Inc. The decrease in 2015 compared with 2014 reflects the impact of both the \$23 million bargain purchase gain and the decline in HealthSpring amortization.
- **Special items.** Special item charges were higher in 2016 compared with 2015 primarily due to higher merger costs and the 2016 risk corridor allowance. Special items charges were higher in 2015 compared with 2014 due to merger costs and losses on the early extinguishment of debt in 2015 and the absence of special items in 2014. See Note 22 to the Consolidated Financial Statements for additional details about special items.
- **Consolidated effective tax rate.** The increase in our effective tax rate in 2016 compared with 2015 was largely driven by an increase in certain merger-related transaction costs reported in 2016 that are not tax deductible, partially offset by the tax benefits associated with adopting Accounting Standard Update ("ASU") 2016-09 as discussed in Note 2 to the Consolidated Financial Statements. The increase in the consolidated effective tax rate in 2015 was primarily driven by merger-related transaction costs in 2015 and the non-deductible health insurance industry tax assessed under the Health Care Reform Act. This tax was first assessed in 2014 and increased in 2015. See Note 20 to the Consolidated Financial Statements for additional information about income taxes.

We expect our effective tax rate to decline in 2017 as a result of the moratorium on the health insurance industry tax.



## Liquidity And Capital Resources

<b>Financial Summary</b> <i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Short-term investments	\$ 691	\$ 381	\$ 163
Cash and cash equivalents	\$ 3,185	\$ 1,968	\$ 1,420
Short-term debt	\$ 276	\$ 149	\$ 147
Long-term debt	\$ 4,756	\$ 5,020	\$ 4,979
Shareholders' equity	\$ 13,723	\$ 12,035	\$ 10,774

Consolidated short-term investments increased in both 2016 and 2015 as a result of investing excess cash balances at the parent company level.

### Liquidity

We maintain liquidity at two levels: the subsidiary level and the parent company level.

Liquidity requirements at the subsidiary level generally consist of:

- medical costs and benefit payments to policyholders;
- expense requirements, primarily for employee compensation and benefits, information technology and facilities costs; and
- income taxes.

Our subsidiaries normally meet their operating requirements by:

- maintaining appropriate levels of cash, cash equivalents and short-term investments;
- using cash flows from operating activities;
- matching investment durations to those estimated for the related insurance and contractholder liabilities;
- selling investments; and
- borrowing from affiliates, subject to applicable regulatory limits.

Liquidity requirements at the parent company level generally consist of:

- debt service and dividend payments to shareholders;
- pension plan funding; and
- repurchases of common stock.

The parent company normally meets its liquidity requirements by:

- maintaining appropriate levels of cash and various types of marketable investments;
- collecting dividends from its subsidiaries;
- using proceeds from issuance of debt and equity securities; and
- borrowing from its subsidiaries.

Cash flows for the years ended December 31, were as follows:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Net cash provided by operating activities <sup>(1)(2)</sup>	\$ 4,026	\$ 2,933	\$ 2,158
Net cash (used in) investing activities <sup>(2)</sup>	\$ (2,574)	\$ (1,736)	\$ (1,866)
Net cash (used in) financing activities <sup>(1)</sup>	\$ (225)	\$ (609)	\$ (1,635)

(1) As required in adopting ASU 2016-09, we retrospectively reclassified \$79 million in 2015 and \$53 million in 2014 of cash payments from operating to financing activities. These payments were related to employee tax obligations associated with stock compensation. The comparable amount reported in financing activities in 2016 was \$72 million. See Note 2 to the Consolidated Financial Statements for further discussion.

(2) As required in adopting ASU 2016-15, the Company retrospectively reclassified from investing to operating activities \$137 million in 2015 and \$111 million in 2014 of cash distributions from partnership earnings. The comparable amount reported in operating activities in 2016 was \$144 million. See Note 2 to the Consolidated Financial Statements for further discussion.

Cash flows from operating activities consist of cash receipts and disbursements for premiums and fees, mail order pharmacy, other revenues, investment income, taxes, benefits and expenses. Because certain income and expense transactions do not generate cash, and because cash transactions related to revenues and expenses may occur in periods different from when those revenues and expenses are recognized in shareholders' net income, cash flows from operating activities can be significantly different from shareholders' net income.

Cash flows from investing activities generally consist of net investment purchases or sales and net purchases of property and equipment including capitalized software, as well as cash used to acquire businesses.

Cash flows from financing activities are generally comprised of issuances and re-payment of debt at the parent company level, proceeds on the issuance of common stock resulting from stock option exercises, and stock repurchases. In addition, the subsidiaries report deposits to and withdrawals from investment contract liabilities (including universal life insurance liabilities) because such liabilities are considered financing activities with policyholders.

### Operating activities

Cash flows from operating activities increased in 2016 compared with 2015 due to higher receipts from Medicare Part D and Medicare Advantage programs.

Cash flows from operating activities increased in 2015 compared with 2014 primarily driven by the volume and timing of government reimbursements and pharmacy considerations.

## PART II

### ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

#### Investing activities

Cash used in investing activities increased in 2016 compared with 2015, due to higher purchases of fixed maturity investments. Net cash used in investing activities decreased in 2015 compared with 2014 due to lower net purchases of fixed maturities.

#### Financing activities

Cash used in financing activities decreased in 2016 compared with 2015, primarily due to lower share repurchases offset by lower proceeds from employees' exercise of stock options. Cash used in financing activities decreased in 2015 compared with the same period in 2014, primarily reflecting lower share repurchases.

#### Share repurchase

We maintain a share repurchase program, authorized by our Board of Directors. Under this program, we may repurchase shares from time to time, depending on market conditions and alternate uses of capital. The timing and actual number of shares repurchased will depend on a variety of factors, including price, general business and market conditions, and alternate uses of capital. The share repurchase program may be effected through open market purchases or privately negotiated transactions in compliance with Rule 10b-18 under the Securities Exchange Act of 1934, as amended, including through Rule 10b5-1 trading plans. The program may be suspended or discontinued at any time.

In 2016, we repurchased 0.8 million shares for \$110 million. In February 2017, the Board of Directors increased repurchase authority to \$3.7 billion, however management has determined that it is prudent to cap the amount of repurchase to \$250 million per quarter until there is more clarity with respect to the litigation with Anthem. From January 1, 2017 through February 22, 2017 we repurchased 0.7 million shares for \$106 million. The total remaining share repurchase authorization as of February 22, 2017 was \$3.7 billion. We repurchased 5.5 million shares for \$683 million in 2015 and 18.5 million shares for \$1.6 billion in 2014.

#### Interest Expense

Interest expense on long-term debt, short-term debt and capital leases was as follows:

<i>(In millions)</i>	2016	2015	2014
Interest expense	\$ 251	\$ 252	\$ 265

Interest expense reported above for the year ended 2015 excluded losses on the early extinguishment of debt.

The weighted average interest rate for outstanding short-term debt (primarily commercial paper) was 0.69% at December 31, 2015. There was no commercial paper outstanding as of December 31, 2016.

#### Capital Resources

Our capital resources (primarily retained earnings and proceeds from the issuance of debt and equity securities) provide protection for policyholders, furnish the financial strength to underwrite insurance risks and facilitate continued business growth.

Management, guided by regulatory requirements and rating agency capital guidelines, determines the amount of capital resources that we maintain. Management allocates resources to new long-term business commitments when returns, considering the risks, look promising and when the resources available to support existing business are adequate.

We prioritize our use of capital resources to:

- provide the capital necessary to support growth and maintain or improve the financial strength ratings of subsidiaries and to fund pension obligations;
- consider acquisitions that are strategically and economically advantageous; and
- return capital to investors through share repurchase.

See Note 3 to the Consolidated Financial Statements for information regarding capital restrictions imposed by our merger agreement with Anthem. The availability of capital resources will be impacted by equity and credit market conditions. Extreme volatility in credit or equity market conditions may reduce our ability to issue debt or equity securities.

#### Liquidity and Capital Resources Outlook

At December 31, 2016, there was approximately \$2.8 billion in cash and marketable investments available at the parent company level. In 2017, the parent company's combined cash obligations are expected to approximate \$660 million for repayment of debt, interest, pension contributions and dividends.

We expect, based on the parent company's current cash position and current projections for subsidiary dividends, to have sufficient liquidity to meet the obligations discussed above.

Our cash projections may not be realized and the demand for funds could exceed available cash if our ongoing businesses experience unexpected shortfalls in earnings, or we experience material adverse effects from one or more risks or uncertainties described more fully in the Risk Factors section of this Form 10-K. In those cases, we expect to have the flexibility to satisfy liquidity needs through a variety of measures, including intercompany borrowings and sales of liquid investments. The parent company may borrow up to \$1.3 billion from its insurance subsidiaries without additional state approval. As of December 31, 2016, the parent company had \$277 million of net intercompany loans

payable to its insurance subsidiaries. Alternatively, to satisfy parent company liquidity requirements we may use short-term borrowings, such as the commercial paper program, the committed revolving credit and letter of credit agreement of up to \$1.5 billion subject to the maximum debt leverage covenant in its line of credit agreement. As of December 31, 2016, \$1.5 billion of short-term borrowing capacity under the credit agreement was available to us. Within the maximum debt leverage covenant in the line of credit agreement as described in Note 5 to the Consolidated Financial Statements, we have \$9.7 billion of borrowing capacity in addition to the \$5 billion of debt outstanding. This additional borrowing capacity includes the \$1.5 billion available under the credit agreement.

Though we believe we have adequate sources of liquidity, significant disruption or volatility in the capital and credit markets could affect our ability to access those markets for additional borrowings or increase costs associated with borrowing funds.

We maintain a capital management strategy to retain overseas a significant portion of the earnings from our foreign operations. As of December 31, 2016, undistributed earnings were approximately \$2.5 billion. These undistributed earnings are deployed outside of the U.S. predominantly in support of the liquidity and regulatory capital requirements of our foreign operations. Approximately \$305 million of cash and cash equivalents held overseas would be subject to additional tax expense representing the difference between the U.S. and foreign tax rates, if repatriated. We continue to expect most of the undistributed earnings and future earnings to be reinvested to support growth initiatives overseas. This strategy does not materially limit our ability to meet our liquidity and capital needs in the U.S.

**Unfunded Pension Plan Liability.** As of December 31, 2016, our unfunded pension liability was \$911 million, reflecting a decrease of \$42 million from December 31, 2015. The decrease in the unfunded liability reflected strong asset returns in line with our expectations and changes to our mortality assumptions based on an updated pension mortality improvement scale published in the fourth quarter of 2016. These factors were partially offset by a decrease of approximately 20 basis points in the weighted average assumed discount rate. In February 2017, we made a voluntary pension contribution of \$150 million. We do not expect to make any additional pension contributions for the remainder of 2017, as there are no contributions required under the Pension Protection Act of 2006. See Note 15 to the Consolidated Financial Statements for additional information regarding our pension plans.

**Solvency II.** Beginning in 2016, our businesses in the European Union became subject to the directive on insurance regulation, solvency and governance requirements known as Solvency II. This directive imposes economic risk-based solvency and governance requirements and supervisory rules. Our European insurance companies are capitalized at levels consistent with projected Solvency II requirements and in compliance with anticipated governance and technical capability requirements.

## Guarantees and Contractual Obligations

We are contingently liable for various contractual obligations entered into in the ordinary course of business. The maturities of our primary contractual cash obligations, as of December 31, 2016, are estimated to be as follows:

<i>(In millions, on an undiscounted basis)</i>	Total	Less than 1 year	1-3 years	4-5 years	After 5 years
<b>On-Balance Sheet:</b>					
Insurance liabilities:					
Contractholder deposit funds	\$ 6,680	\$ 786	\$ 1,006	\$ 807	\$ 4,081
Future policy benefits	11,319	553	1,390	1,163	8,213
Global Health Care medical costs payable	2,554	2,458	39	12	45
Unpaid claims and claim expenses	5,354	1,678	1,035	695	1,946
Short-term debt	276	276	-	-	-
Long-term debt	7,886	247	617	1,350	5,672
Other long-term liabilities	879	306	116	88	369
<b>Off-Balance Sheet:</b>					
Purchase obligations	1,443	542	573	230	98
Operating leases	661	135	215	147	164
<b>Total</b>	<b>\$ 37,052</b>	<b>\$ 6,981</b>	<b>\$ 4,991</b>	<b>\$ 4,492</b>	<b>\$ 20,588</b>

### On balance sheet:

- **Insurance liabilities.** Contractual cash obligations for insurance liabilities, excluding unearned premiums, represent estimated net benefit payments for health, life and disability insurance policies and annuity contracts. Recorded contractholder deposit funds reflect current fund balances primarily from universal life insurance customers. Contractual cash obligations for these universal life contracts are estimated by projecting future payments using assumptions for lapse, withdrawal and mortality. These projected future payments include estimated future interest crediting on current fund balances based on current investment yields less the estimated cost of insurance charges and mortality and administrative fees. Actual obligations in any single year will vary based on actual morbidity, mortality, lapse, withdrawal, investment and premium experience. The sum of the obligations presented above exceeds the corresponding insurance and contractholder liabilities of \$21 billion recorded on the balance sheet because the recorded insurance liabilities reflect discounting for interest and the recorded contractholder liabilities exclude future interest crediting, charges and fees. We manage our investment portfolios to generate cash flows needed to satisfy contractual obligations. Any shortfall from expected investment yields could result in increases to recorded reserves and adversely impact results of operations. The amounts associated with the sold retirement benefits and individual life insurance and annuity businesses, as well as the reinsured workers' compensation, personal accident and supplemental benefits businesses, are excluded from the table above as their related net cash flows associated with them are not expected to impact our cash flows. The total amount of these reinsured reserves excluded is approximately \$5 billion. The expected future cash flows for guaranteed minimum death benefit ("GMDB") and guaranteed minimum income benefit ("GMIB") contracts included in the table above (within future policy benefits and other long-term liabilities) do not consider any of the related reinsurance arrangements.

- **Short-term debt** represents current maturities of long-term debt, and current obligations under capital leases.

## PART II

### ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

- **Long-term debt** includes scheduled interest payments. Capital leases are included in long-term debt and primarily represent obligations for IT network storage, servers and equipment.
- **Other long-term liabilities.** This table includes estimated payments for GMIB contracts, pension and other postretirement and postemployment benefit obligations, supplemental and deferred compensation plans, interest rate and foreign currency swap contracts, and reinsurance liabilities. These items are presented in accounts payable, accrued expenses and other liabilities in our Consolidated Balance Sheets.

Estimated payments of \$75 million for deferred compensation, qualified, non-qualified and international pension plans and other postretirement and postemployment benefit plans are expected to be paid in less than one year, including a voluntary contribution to the qualified pension plan of \$150 million made in February 2017. We do not expect to make any additional contributions to the qualified domestic pension plans during 2017. We expect to make payments subsequent to 2017 for these obligations, however subsequent payments have been excluded from the table as their timing is based on plan assumptions that may materially differ from actual activities. See Note 15 to the Consolidated Financial Statements for further information on pension and other postretirement benefit obligations.

## Off-Balance Sheet:

**Purchase obligations.** As of December 31, 2016, purchase obligations consisted of estimated payments required under contractual arrangements for future services and investment commitments as follows:

<i>(In millions)</i>	
Fixed maturities	\$ 26
Commercial mortgage loans	69
Limited liability entities (other long-term investments)	1,073
Total investment commitments	1,168
Future service commitments	275
Total purchase obligations	\$ 1,443

See Note 11 to the Consolidated Financial Statements for additional information.

Our estimated future service commitments primarily represent contracts for certain outsourced business processes and IT maintenance and support. We generally have the ability to terminate these agreements, but do not anticipate doing so at this time. Purchase obligations exclude contracts that are cancelable without penalty and those that do not contractually require minimum levels of goods or services to be purchased.

**Operating leases.** For additional information, see Note 18 to the Consolidated Financial Statements.

## Guarantees

We are contingently liable for various financial and other guarantees provided in the ordinary course of business. See Note 21 to the Consolidated Financial Statements for additional information on guarantees.

## Critical Accounting Estimates

The preparation of Consolidated Financial Statements in accordance with GAAP requires management to make estimates and assumptions that affect reported amounts and related disclosures in the Consolidated Financial Statements. Management considers an accounting estimate to be critical if:

- it requires assumptions to be made that were uncertain at the time the estimate was made; and
- changes in the estimate or different estimates that could have been selected could have a material effect on our consolidated results of operations or financial condition.

Management has discussed the development and selection of its critical accounting estimates with the Audit Committee of our Board of Directors and the Audit Committee has reviewed the disclosures presented below.

In addition to the estimates presented in the following table, there are other accounting estimates used in the preparation of our Consolidated Financial Statements, including estimates of liabilities for future policy benefits, as well as estimates with respect to postemployment and postretirement benefits other than pensions, certain compensation accruals, and income taxes.

Management believes the current assumptions used to estimate amounts reflected in our Consolidated Financial Statements are appropriate. However, if actual experience differs from the assumptions used in estimating amounts reflected in our Consolidated Financial Statements, the resulting changes could have a material adverse effect on our consolidated results of operations and, in certain situations, could have a material adverse effect on our liquidity and financial condition. The table below presents the adverse impacts of certain changes in assumptions. Except as noted, the effect of an assumption change in the opposite direction would be a positive impact to our consolidated results of operations, liquidity or financial condition.

See Note 2 to the Consolidated Financial Statements for further information on significant accounting policies.

<b>Balance Sheet Caption / Nature of Critical Accounting Estimate</b>	<b>Effect if Different Assumptions Used</b>
<b>Goodwill</b>	
<p>At the acquisition date, goodwill represents the excess of the cost of businesses acquired over the fair value of their net assets.</p> <p>We completed our annual evaluations of goodwill for impairment during the third quarter of 2016. These evaluations were performed at the reporting unit level, based on discounted cash flow analyses and market data. The evaluations indicated that no impairment was required. During the fourth quarter, we updated our analysis of the Government reporting unit, reflecting an increase in market interest rates. The updated analysis for the Government reporting unit continued to indicate that no impairment was required.</p> <p>Fair value of a reporting unit was estimated using models and assumptions that we believe a hypothetical market participant would use to determine a current transaction price. The significant assumptions and estimates used in determining fair value include the discount rate and future cash flows. A range of discount rates was used, corresponding with the reporting unit's weighted average cost of capital, consistent with that used for investment decisions considering the specific and detailed operating plans and strategies within the reporting unit. Projections of future cash flows were consistent with our annual planning process for revenues, claims, operating expenses, taxes, capital levels and long-term growth rates. In addition to these assumptions, we considered market data to evaluate the fair value of each reporting unit.</p> <p>In our Government operating segment (which is a reporting unit) we contract with CMS and various state governmental agencies to provide managed health care services, including Medicare Advantage plans and Medicare-approved prescription drug plans. Estimated future cash flows for this business incorporated the potential effects of Medicare Advantage reimbursement rates for 2017 and beyond as discussed in the "Executive Overview" section of this MD&amp;A. Revenues from the Medicare programs are dependent, in whole or in part, upon annual funding from the federal government through CMS. This evaluation also considered management's assessment of the impact of the CMS sanctions and updated Star Ratings discussed in Note 21 to the Consolidated Financial Statements. Funding for these programs is dependent on many factors including general economic conditions, continuing government efforts to contain health care costs and budgetary constraints at the federal level and general political issues and priorities.</p> <p>Goodwill as of December 31 was as follows (in millions):</p> <ul style="list-style-type: none"> <li>• 2016 - \$5,980</li> <li>• 2015 - \$6,019</li> </ul> <p>See Note 17 to the Consolidated Financial Statements for additional discussion of our goodwill.</p>	<p>If we do not achieve our earnings objectives or the cost of capital rises significantly, the assumptions and estimates underlying these impairment evaluations could be adversely affected and result in future impairment charges that would negatively impact our operating results.</p> <p>Based on our most recent evaluations, the fair value estimates of our reporting units exceed their carrying values by adequate margins.</p> <p>Changes in the funding for our Medicare programs by the federal government, or our inability to resolve the matters arising from the CMS Notice in a timely and satisfactory manner, could materially reduce revenues and profitability in our Government reporting unit and have a significant impact on its fair value.</p>
<b>Accounts payable, accrued expenses and other liabilities - pension liabilities</b>	
<p>These liabilities are estimates of the present value of the qualified and nonqualified pension benefits to be paid (attributed to employee service to date) net of the fair value of plan assets. The accrued pension benefit liability as of December 31 was as follows (in millions):</p> <ul style="list-style-type: none"> <li>• 2016 - \$911</li> <li>• 2015 - \$953</li> </ul> <p>See Note 15 to the Consolidated Financial Statements for assumptions and methods used to estimate pension liabilities.</p>	<p>The discount rate is typically the most significant assumption in measuring the pension liability. We develop the discount rate by applying actual annualized yields at various durations from a discount rate curve constructed from high quality corporate bonds.</p> <p>If discount rates for the qualified and nonqualified pension plans decreased by 50 basis points, the accrued pension benefit liability would increase by approximately \$195 million as of December 31, 2016 resulting in an after-tax decrease to shareholders' equity of approximately \$125 million.</p> <p>If the December 31, 2016 fair values of domestic qualified plan assets decreased by 10%, the accrued pension benefit liability would increase by approximately \$395 million as of December 31, 2016 resulting in an after-tax decrease to shareholders' equity of approximately \$255 million.</p>

Balance Sheet Caption / Nature of Critical Accounting Estimate	Effect if Different Assumptions Used
<b>Global Health Care medical costs payable</b>	
<p>Medical costs payable for the Global Health Care segment include both reported claims and estimates for losses incurred but not yet reported.</p> <p>Liabilities for medical costs payable as of December 31 were as follows (in millions):</p> <ul style="list-style-type: none"> <li>• 2016 - gross \$2,532; net \$2,257</li> <li>• 2015 - gross \$2,355; net \$2,112</li> </ul> <p>These liabilities are presented above both gross and net of reinsurance and other recoverables and generally exclude amounts for administrative services only business.</p> <p>See Note 7 to the Consolidated Financial Statements for additional information regarding assumptions and methods used to estimate this liability.</p>	<p>As described in Note 7, Global Health Care medical costs payable are primarily impacted by assumptions related to completion factors and medical cost trend. Changes in either assumption from actual results could impact the Global Health Care medical costs payable balance as noted below. A large number of factors may cause the medical cost trend to vary from the Company's estimates, including: changes in medical management practices, changes in the level and mix of benefits offered and services utilized, and changes in medical practices. Completion factors may be affected if actual claims submission rates from providers differ from estimates (that can be influenced by a number of factors, including provider mix, and electronic versus manual submissions), or if changes to the Company's internal claims processing patterns occur. Based on studies of our claim experience, it is reasonably possible that a 100 basis point change in the medical cost trend and a 50 basis point change in completion factors could occur in the near term.</p> <p>A 100 basis point increase in the medical cost trend rate would increase this liability by approximately \$30 million, resulting in a decrease in net income of approximately \$20 million after-tax, and a 50 basis point decrease in completion factors would increase this liability by approximately \$70 million, resulting in a decrease in net income of approximately \$45 million after-tax.</p>
<b>Unpaid claims and claim expenses - long-term disability reserves</b>	
<p>The liability for long-term disability reserves is the present value of estimated future benefits payments over the expected disability period and includes estimates for both reported claims and for claims incurred but not yet reported.</p> <p>Long-term disability reserves as of December 31 were as follows (in millions):</p> <ul style="list-style-type: none"> <li>• 2016 - gross \$3,708; net \$3,622</li> <li>• 2015 - gross \$3,481; net \$3,403</li> </ul> <p>See Note 8 to the Consolidated Financial Statements for additional information regarding assumptions and methods used to estimate this liability.</p>	<p>As described in Note 8, key assumptions in the calculation of long-term disability reserves include the discount rate and claim resolution rates, both of which are reviewed annually and updated when experience or future expectations would indicate a necessary change. Based on recent and historical resolution rate patterns and changes in investment portfolio yields, it is reasonably possible that a 5 percent change in claim resolution rates and a 25 basis point change in the discount rate could occur.</p> <p>The discount rate is the interest rate used to discount the projected future benefit payments to their present value. The discount rate assumption is based on the projected investment yield of the assets supporting the reserves. A 25 basis point decrease in the discount rate would increase long-term disability reserves by approximately \$45 million and decrease net income by approximately \$30 million after-tax.</p> <p>Claim resolution rate assumptions involve many factors including claimant demographics, the type of contractual benefit provided and the time since initially becoming disabled. The Company uses its own historical experience to develop its claim resolution rates. A 5 percent decrease in the claim resolution rate would increase long-term disability reserves by approximately \$90 million and decrease net income by approximately \$60 million after-tax.</p>
<b>Valuation of fixed maturity investments</b>	
<p>Most fixed maturities are classified as available for sale and are carried at fair value with changes in fair value recorded in accumulated other comprehensive income (loss) within shareholders' equity.</p> <p>Fair value is defined as the price at which an asset could be exchanged in an orderly transaction between market participants at the balance sheet date.</p> <p>Determining fair value for a financial instrument requires management judgment. The degree of judgment involved generally correlates to the level of pricing readily observable in the markets. Financial instruments with quoted prices in active markets or with market observable inputs to determine fair value, such as public securities, generally require less judgment. Conversely, private placements including more complex securities that are traded infrequently are typically measured using pricing models that require more judgment as to the inputs and assumptions used to estimate fair value. There may be a number of alternative inputs to select based on an understanding of the issuer, the structure of the security and overall market conditions. In addition, these factors are inherently variable in nature as they change frequently in response to market conditions. Approximately two-thirds of our fixed maturities are public securities, and one-third are private placement securities.</p> <p>See Note 10 to the Consolidated Financial Statements for a discussion of our fair value measurements and the procedures performed by management to determine that the amounts represent appropriate estimates.</p>	<p>Typically, the most significant input in the measurement of fair value is the market interest rate used to discount the estimated future cash flows of the instrument. Such market rates are derived by calculating the appropriate spreads over comparable U.S. Treasury securities, based on the credit quality, industry and structure of the asset.</p> <p>If the interest rates used to calculate fair value increased by 100 basis points, the fair value of the total fixed maturity portfolio of \$21 billion would decrease by approximately \$1.2 billion, resulting in an after-tax decrease to shareholders' equity of approximately \$0.8 billion.</p>



Balance Sheet Caption / Nature of Critical Accounting Estimate	Effect if Different Assumptions Used
<b>Assessment of "other-than-temporary" impairments on fixed maturities</b>	
To determine whether a fixed maturity's decline in fair value below its amortized cost is other than temporary, we must evaluate the expected recovery in value and our intent to sell or the likelihood of a required sale of the fixed maturity prior to an expected recovery. To make this determination, we consider a number of general and specific factors including the regulatory, economic and market environments, length of time and severity of the decline, and the financial health and specific near term prospects of the issuer.	For all fixed maturities with cost in excess of their fair value, if this excess was determined to be other-than-temporary, shareholders' net income for the year ended December 31, 2016 would have decreased by approximately \$115 million after-tax.
See Note 11 to the Consolidated Financial Statements for additional discussion of our review of declines in fair value, including information regarding our accounting policies for fixed maturities.	Unlike impairments, there is no impact to shareholders' net income for holding fixed maturities with a fair value in excess of cost because we classify our fixed maturities as available for sale.

## SEGMENT REPORTING

The following section of this MD&A discusses the results of each of our reporting segments. In these segment discussions, we present "operating revenues," defined as total revenues excluding realized investment results and "adjusted income from operations," defined as shareholders' net income (loss) excluding after-tax realized investment results, net amortization of other acquired intangible assets and special items. Ratios presented in this segment discussion exclude the same items as adjusted income from operations. See Note 22 to the Consolidated Financial Statements for additional discussion of these metrics.

In these segment discussions, we also present "adjusted margin," defined as adjusted income from operations divided by operating revenues.

See the MD&A Executive Overview beginning on page 36 for summarized financial results of each of our reporting segments.

## Global Health Care Segment

As described in the Segment Reporting introduction above, the performance of the Global Health Care segment is measured using adjusted income from operations. The key factors affecting adjusted income from operations for this segment are:

- customer growth;
- sales of specialty products;
- operating expense as a percentage of operating revenues (operating expense ratio); and
- medical costs as a percentage of premiums (medical care ratio or "MCR") for our commercial and government businesses.

## Results of Operations

## Financial Summary

<i>(In millions)</i>	For the Years Ended December 31,			Change Favorable (Unfavorable)		Change Favorable (Unfavorable)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Operating revenues	\$ 31,199	\$ 29,929	\$ 27,290	\$ 1,270	4%	\$ 2,639	10%
Adjusted income from operations	\$ 1,852	\$ 1,848	\$ 1,752	\$ 4	-%	\$ 96	5%
Adjusted margin	5.9%	6.2%	6.4%	(30)bps		(20)bps	
<b>Medical Care Ratios:</b>							
Commercial	79.3%	78.1%	78.5%	(120)bps		40bps	
Government	85.3%	85.2%	84.3%	(10)bps		(90)bps	
Consolidated Global Health Care	81.6%	80.9%	80.6%	(70)bps		(30)bps	
Operating expense ratio	21.5%	21.4%	21.4%	(10)bps		-bps	

<i>(Dollars in millions, customers in thousands)</i>	As of December 31,			Increase (Decrease)		Increase (Decrease)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Global Health Care medical costs payable	\$ 2,532	\$ 2,355	\$ 2,180	\$ 177	8%	\$ 175	8%
<b>Customers:</b>							
Total commercial risk	2,576	2,502	2,534	74	3%	(32)	(1)%
Total government	566	567	518	(1)	-	49	9
Total risk	3,142	3,069	3,052	73	2	17	1
Service	12,055	11,930	11,404	125	1	526	5
Total medical customers	15,197	14,999	14,456	198	1%	543	4%

## PART II

### ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

**Adjusted income from operations** was essentially flat in 2016 compared with 2015, reflecting earnings growth in our Commercial segment, primarily due to increased contributions from specialty products partially offset by lower margins in our U.S. Individual business. This increase was offset by lower earnings in our Government segment primarily driven by costs related to our CMS audit response.

Adjusted income from operations increased in 2015 compared with 2014, reflecting U.S. Commercial business growth, including increased contributions from pharmacy, stop loss and other specialty products. Results in 2015 also reflect the impact of increased investments in business initiatives.

**Operating revenues.** The increase in operating revenues in 2016 compared with 2015 was due to growth in our Commercial segment primarily from increased specialty revenues. Growth in Medicare Advantage customer volumes and higher premium rates for most products in our U.S. health care businesses primarily to recover underlying medical cost trend also contributed to the increase. These increases were partially offset by lower customer volumes in our Medicare Part D and U.S. Individual businesses. Operating revenues include amounts related to the Risk Mitigation Programs under the Health Care Reform Act. See the Risk Mitigation section on page 40 for further discussion of the Risk Corridor program.

The increase in operating revenues in 2015, compared with 2014 was primarily due to a higher customer base in our Government segment, as well as revenue growth in specialty businesses and higher premiums in the U.S. Commercial segment reflecting rate actions on most risk products primarily to recover underlying medical cost trends.

**Medical care ratios.** The Commercial medical care ratio increased in 2016 compared with 2015 reflecting a less favorable medical care ratio in our stop loss business as expected, lower premium due to the anticipated reduction of the Health Care Reform Act mandated fees in 2017, and less favorable prior year reserve development. The Commercial medical care ratio decreased slightly in 2015 compared with 2014 primarily due to a lower medical care ratio in our stop loss business.

The Government medical care ratio increased slightly in 2016 compared with 2015 reflecting higher medical costs in our Medicaid business and less favorable prior year development, mostly offset by improvements in the Medicare Part D business. The Government medical care ratio increased in 2015 compared with 2014 due to an increase in Medicare Part D utilization.

As discussed in the Regulation section of this Form 10-K, both the Commercial and Government segments are subject to minimum medical loss ratio requirements under the Health Care Reform Act. As of December 31, 2016 and 2015, liabilities under these requirements were not material.

**Operating expense ratio.** The operating expense ratio increased slightly in 2016 compared with 2015, reflecting costs related to our CMS audit response. Excluding those costs, the operating expense ratio decreased, reflecting higher revenue and operating efficiencies, partially offset by business initiative investments to enhance our capabilities. The operating expense ratio was flat in 2015 compared with 2014, reflecting business-initiative investments offset by higher revenue and disciplined expense management.

### *Other Items Affecting Health Care Results*

#### **Global Health Care Medical Costs Payable**

Medical costs payable was higher as of December 31, 2016 compared with 2015, primarily due to medical cost trend across all businesses and customer growth in our Commercial group business. Medical costs payable increased in 2015 compared with 2014, primarily driven by growth in the stop loss book of business and the Government segment. See Note 7 to the Consolidated Financial Statements for additional information.

#### **Medical Customers**

A medical customer is defined as a person meeting any one of the following criteria:

- is covered under an insurance policy or service agreement issued by us;
- has access to the Company's provider network for covered services under their medical plan; or
- has medical claims that are administered by us.

Our medical customer base as of December 31, 2016 was higher than 2015, primarily driven by growth in our middle market, select, and international market segments. Our medical customer base as of December 31, 2015 was higher than 2014, driven by strong overall retention and sales in our targeted market segments, as well as the acquisition of QualCare Alliance Networks, Inc. on February 28, 2015.

### **Global Supplemental Benefits Segment**

As described in the Segment Reporting introduction on page 49, the performance of the Global Supplemental Benefits segment is measured using adjusted income from operations. The key factors affecting adjusted income from operations for this segment are:

- premium growth, including new business and customer retention;
- benefit expenses as a percentage of premiums (loss ratio);
- operating expense and acquisition expense as a percentage of operating revenues (expense ratio and acquisition cost ratio); and
- the impact of foreign currency movements.

Throughout this discussion and the table presented below, prior period currency adjusted income from operations and operating revenues are calculated by applying the current period's exchange rates to reported results in the prior period. A strengthening U.S. Dollar against foreign currencies decreases these measures, while a weakening U.S. Dollar produces the opposite effect.

## Results of Operations

### Financial Summary

(In millions)	For the Years Ended December 31,			Change Favorable (Unfavorable)		Change Favorable (Unfavorable)	
	2016	2015	2014	2016 vs. 2015	2015 vs. 2014		
Operating revenues	\$ 3,385	\$ 3,149	\$ 3,005	\$ 236	7%	\$ 144	5%
Adjusted income from operations	\$ 294	\$ 262	\$ 243	\$ 32	12%	\$ 19	8%
Operating revenues, using actual 2016 currency exchange rates	\$ 3,385	\$ 3,069	\$ 2,738	\$ 316	10%	\$ 331	12%
Adjusted income from operations, using actual 2016 currency exchange rates	\$ 294	\$ 255	\$ 219	\$ 39	15%	\$ 36	16%
Adjusted margin	8.7%	8.3%	8.1%	40bps		20bps	
Loss ratio	55.3%	55.3%	54.3%	-bps		(100)bps	
Acquisition cost ratio	18.6%	19.3%	21.0%	70bps		170bps	
Expense ratio (excluding acquisition costs)	17.9%	18.3%	17.7%	40bps		(60)bps	

**Adjusted income from operations** increased in 2016 compared with 2015 primarily due to business growth, largely in South Korea, and lower acquisition and operating cost ratios. These factors were partially offset by higher income taxes and the unfavorable impact of foreign currency movements, primarily in South Korea. The increase in adjusted income from operations in 2015 compared with 2014 was primarily due to business growth and lower acquisition costs, partially offset by the unfavorable impact of foreign currency movements and higher expense ratios as discussed below.

**Operating revenues** were higher in 2016 compared with 2015 primarily due to new sales, particularly in South Korea and the U.S., reflecting both customer growth and sales of higher premium products. These higher premiums were partially offset by lower persistency in the U.K. and the unfavorable impact of foreign currency movements, primarily in South Korea and the U.K.

Operating revenues were higher in 2015 compared with 2014, primarily attributable to new sales, particularly in South Korea and the U.S., reflecting both customer growth and sales of higher premium products, partially offset by the unfavorable impact of foreign currency movements.

**Loss ratios** were flat in 2016 compared with 2015 reflecting favorable claims in South Korea, largely offset by higher claims in the U.S. Loss ratios increased in 2015 compared with 2014, primarily due to a business mix shift toward products with higher expected loss ratios in South Korea and the U.S.

**Acquisition cost ratios** decreased in both 2016 and 2015 compared with each prior year. The decline in each year's ratio largely represents a shift toward higher premium products with lower acquisition costs primarily in South Korea and the U.S.

The **expense ratio** (excluding acquisition costs) decreased in 2016 compared with 2015 primarily driven by operating efficiencies. The expense ratio (excluding acquisition costs) increased in 2015 compared with 2014 reflecting strategic business investments partially offset by operating efficiencies.

### Other Items Affecting Global Supplemental Benefits Results

South Korea is the single largest geographic market for our Global Supplemental Benefits segment. South Korea generated 51% of the segment's operating revenues and 85% of the segment's adjusted income from operations in 2016. In 2016, our Global Supplemental Benefits segment operations in South Korea represented 4% of our consolidated operating revenues and 12% of consolidated adjusted income from operations.

As a global company, our business is exposed to risks inherent in foreign operations. While we continue to monitor and evaluate the impacts of the U.K. vote to exit the European Union and the political unrest in Turkey, we do not expect these events to materially impact the results of the Global Supplemental Benefits segment in 2017.

Significant movements in foreign currency exchange rates could materially affect the reported results of the Global Supplemental Benefits segment.

### Group Disability and Life Segment

As described in the Segment Reporting introduction on page 49, the performance of the Group Disability and Life segment is measured using adjusted income from operations. The key factors affecting adjusted income from operations for this segment are:

- premium growth, including new business and customer retention;
- net investment income;
- benefit expenses as a percentage of premiums (loss ratio); and
- operating expense as a percentage of operating revenues excluding net investment income (expense ratio).

## Results of Operations

### Financial Summary

(In millions)	For the Years Ended December 31,			Change Favorable (Unfavorable)	Change Favorable (Unfavorable)		
	2016	2015	2014	2016 vs. 2015	2015 vs. 2014		
Operating revenues	\$ 4,443	\$ 4,271	\$ 3,970	\$ 172	4%	\$ 301	8%
Adjusted income from operations	\$ 125	\$ 324	\$ 317	\$ (199)	(61)%	\$ 7	2%
Adjusted margin	2.8%	7.6%	8.0%	(480)bps		(40)bps	
Loss ratio	83.8%	76.3%	76.5%	(750)bps		20bps	
Operating expense ratio	22.4%	21.9%	21.9%	(50)bps		-bps	

During the first half of 2016, the Group Disability and Life segment experienced significant unfavorable claims in its disability and life businesses. While claims experience moderated during the second half of 2016, the first half results caused full year earnings to decline significantly from the prior year.

**Disability:** We implemented modifications to our disability claims management process in the first quarter of 2016 to drive improved quality and consistency. These modifications extended the claims processing cycle and lowered the disability claim resolution rate. As our modified disability claims management process continued to mature during the latter half of 2016, our claim resolution rate significantly improved compared with the first half of 2016. As overall claim metrics continue to improve, management expects disability operational margins to normalize over the course of 2017.

**Life:** We experienced a period of elevated life claims in the second quarter of 2016, driven by substantially higher new claim incidence and sizes, both of which improved in the second half of 2016.

### 2016 vs. 2015

**Adjusted income from operations.** Results decreased in 2016 compared with 2015 due primarily to unfavorable disability and life claims experience as well as the absence of favorable reserve reviews and a higher operating expense ratio. Results in 2016 included the unfavorable impact of reserve reviews of \$18 million after-tax compared with a favorable impact of \$55 million after-tax in 2015.

**Operating revenues.** Premiums and fees increased in 2016 compared with 2015 driven by new business growth due to disability and life sales. Net investment income also increased in 2016 compared with 2015 primarily due to higher average assets partially offset by lower yields.

The **loss ratio** increased in 2016 compared with 2015 due to lower claim resolutions in disability, higher life claim incidence and sizes in the second quarter, and the unfavorable impact of reserve reviews as discussed above.

**Operating expense ratio.** The operating expense ratio increased in 2016 compared with 2015 primarily reflecting higher disability claim management costs.

### 2015 vs. 2014

**Adjusted income from operations.** Results in 2015 increased compared with 2014 due primarily to favorable life claims experience. Results also included the favorable after-tax effects of reserve reviews of \$55 million in 2015 and \$52 million in 2014.

**Operating revenues.** The increase in 2015 compared with 2014 was driven by new business growth due to disability and life sales. Net investment income also increased in 2015 compared with 2014 primarily due to higher average assets partially offset by lower yields.

The **loss ratio** decreased in 2015 compared with 2014 due to lower life claim incidence.

**Operating expense ratio.** The operating expense ratio was flat in 2015 compared with 2014 driven by effective cost management.

### Other Operations

As described in the Segment Reporting introduction on page 49, the performance of the Other Operations segment is measured using adjusted income from operations. Cigna's corporate-owned life insurance ("COLI") business contributes the majority of earnings in Other Operations. Cigna's Other Operations segment also includes the results from the run-off reinsurance and settlement annuity businesses, as well as the remaining deferred gains recognized from the sale of the individual life insurance and annuity and retirement benefits businesses.

## Results of Operations

### Financial Summary

(In millions)	For the Years Ended December 31,			Change Favorable (Unfavorable)		Change Favorable (Unfavorable)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Operating revenues	\$ 472	\$ 485	\$ 510	\$ (13)	(3)%	\$ (25)	(5)%
Adjusted income from operations	\$ 70	\$ 75	\$ 68	\$ (5)	(7)%	\$ 7	10%
Adjusted margin	14.8%	15.5%	13.3%	(70)bps		220bps	

**Adjusted income from operations** decreased in 2016 compared with 2015, reflecting less favorable mortality experience and lower interest margins in COLI. Adjusted income from operations increased in 2015 compared with 2014, reflecting favorable mortality experience in COLI.

**Operating revenues** decreased in 2016 compared with 2015 due to lower net investment income driven by lower investment yields. The decrease in operating revenues in 2015 compared with 2014 is largely due to lower net investment income driven by lower investment yields and, to a lesser extent, lower premiums in COLI driven by favorable experience-rating results.

### Corporate

Corporate reflects amounts not allocated to operating segments, including net interest expense (defined as interest on corporate debt less net investment income on investments not supporting segment operations), interest on uncertain tax positions, certain litigation matters, intersegment eliminations, compensation cost for stock options, expense associated with our frozen pension plans and certain overhead and project costs.

### Financial Summary

(In millions)	For the Years Ended December 31,			Change Favorable (Unfavorable)		Change Favorable (Unfavorable)	
	2016	2015	2014	2016 vs. 2015		2015 vs. 2014	
Adjusted loss from operations	\$ (237)	\$ (253)	\$ (265)	\$ 16	6%	\$ 12	5%

Corporate's **adjusted loss from operations** decreased in 2016 compared with 2015, primarily due to adopting ASU 2016-09 effective January 1, 2016, as further discussed in Note 2 to the Consolidated Financial Statements, and higher net investment income partially offset by higher pension and project expenses.

Corporate's adjusted loss from operations decreased in 2015 compared with 2014, primarily due to lower pension and interest expenses.

### Investment Assets

The following table presents our invested asset portfolio, excluding separate account assets, as of December 31, 2016 and 2015. An increase in investable funds has led to an increase across all asset types, except for commercial mortgages, that have continued to decline due to a competitive investment environment and our assessment of relative value versus other fixed income opportunities.

Additional information regarding our investment assets and related accounting policies is included in Notes 2, 10, 11, 12, 13, and 14 to the Consolidated Financial Statements.

(In millions)	2016	2015
Fixed maturities	\$ 20,961	\$ 19,455
Equity securities	583	190
Commercial mortgage loans	1,666	1,864
Policy loans	1,452	1,419
Other long-term investments	1,462	1,404
Short-term investments	691	381
Total	\$ 26,815	\$ 24,713

### Fixed Maturities

Investments in fixed maturities include publicly traded and privately placed debt securities, mortgage and other asset-backed securities, and preferred stocks redeemable by the investor. These investments are classified as available for sale and are carried at fair value on our balance sheet. Additional information regarding valuation methodologies, key inputs and controls is included in Note 10 of the Consolidated Financial Statements.

The following table reflects our fixed maturity portfolio by type of issuer as of December 31, 2016 and 2015.

(In millions)	2016	2015
Federal government and agency	\$ 877	\$ 779
State and local government	1,435	1,641
Foreign government	2,113	2,014
Corporate	16,050	14,448
Mortgage and other asset-backed	486	573
Total	\$ 20,961	\$ 19,455

## PART II

### ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

As of December 31, 2016, \$18.6 billion, or 89%, of the fixed maturities in our investment portfolio were investment grade (Baa and above, or equivalent), and the remaining \$2.4 billion were below investment grade. The majority of the bonds that are below investment grade are rated at the higher end of the non-investment grade spectrum. These quality characteristics have not materially changed from the prior year and are consistent with our investment strategy.

**State and local government.** Our investment in state and local government securities, with an average quality rating of Aa2, is diversified by issuer and geography with no single exposure greater than \$30 million as of December 31, 2016. We assess each issuer's credit quality based on a fundamental analysis of underlying financial information and do not rely solely on statistical rating organizations or monoline insurer guarantees.

**Foreign government.** We invest in high quality foreign government obligations with an average quality rating of Aa3 as of December 31, 2016. These investments are concentrated in Asia, primarily South Korea, consistent with the geographic locations of our international business operations. Foreign government obligations also include \$221 million of investments in European sovereign debt, none of which are in countries with significant political or economic concerns such as Portugal, Italy, Ireland, Greece, Spain and Turkey.

**Corporate.** As of December 31, 2016, corporate fixed maturities included the following.

- Private placement investments were \$5.3 billion. These investments are generally less marketable than publicly-traded bonds, however yields on these investments tend to be higher than yields on publicly-traded bonds with comparable credit risk. We perform a credit analysis of each issuer, diversify investments by industry and issuer and require financial and other covenants that allow us to monitor issuers for deteriorating financial strength and pursue remedial actions, if warranted.
- Investments in companies that are domiciled or have significant business interests in Italy, Ireland, Spain and Turkey were \$354 million. These investments have an average quality rating of Baa3 and are diversified by industry sector, including approximately 1% invested in financial institutions.
- Investments in the energy and natural gas sector were \$1.7 billion with gross unrealized losses of \$18 million. These investments have an average quality rating of Baa2 and are diversified by issuer with no single exposure greater than \$40 million.

In addition to amounts classified in fixed maturities on our Consolidated Balance Sheets, we operate a joint venture in China in which we have a 50% ownership interest. We account for this joint venture on the equity basis of accounting and report it in other assets, including other intangibles. This entity has an investment portfolio of approximately \$3.3 billion that is primarily invested in local Chinese corporate and government fixed maturities and has no investments with a material unrealized loss as of December 31, 2016.

## Equity Securities

Equity securities increased approximately \$400 million during 2016 to \$583 million as of December 31, 2016, largely due to investing in an exchange traded fund ("ETF") as part of a temporary program to invest available funds in high quality and liquid assets. The underlying assets of the ETF are primarily U.S. investment grade corporate bonds and there is a gross unrealized loss of \$5 million as of December 31, 2016 due to an increase in market yields since purchase.

## Commercial Mortgage Loans

Our commercial mortgage loans are fixed rate loans, diversified by property type, location and borrower. Loans are secured by high quality commercial properties and are generally made at less than 70% of the property's value at origination of the loan. Property value, debt service coverage, quality, building tenancy and stability of cash flows are all important financial underwriting considerations. We hold no direct residential mortgage loans and do not securitize or service mortgage loans. We completed an annual in-depth review of our commercial mortgage loan portfolio during the second quarter of 2016. For further information on the property type, location and credit quality of our commercial mortgage loans, as well as a discussion of the results of the annual portfolio review, see Note 11 to the Consolidated Financial Statements.

Commercial real estate capital markets remain very active for well-leased, quality commercial real estate located in strong institutional investment markets. The vast majority of properties securing the mortgages in our mortgage portfolio possess these characteristics.

The \$1.7 billion commercial mortgage loan portfolio consists of approximately 60 loans, including one impaired loan with a carrying value of \$21 million, net of a \$5 million reserve, that is classified as a problem loan. We have \$92 million of loans maturing in the next twelve months. Given the quality and diversity of the underlying real estate, positive debt service coverage and significant borrower investment generally ranging between 30 and 40%, we remain confident that borrowers will continue to perform as expected under their contract terms.

## Other Long-term Investments

Other long-term investments of \$1.5 billion primarily include investments in security partnership and real estate funds as well as direct investments in real estate joint ventures. The funds typically invest in mezzanine debt or equity of privately held companies (securities partnerships) and equity real estate. Given our subordinate position in the capital structure of these underlying entities, we assume a higher level of risk in return for higher expected returns. To mitigate risk, investments are diversified across approximately 120 separate partnerships, and approximately 70 general partners who manage one or more of these partnerships. Also, the funds' underlying investments are diversified by industry sector or property type, and geographic region. No single partnership investment exceeds 4% of our securities and real estate partnership portfolio.



## Problem and Potential Problem Investments

"Problem" bonds and commercial mortgage loans are either delinquent by 60 days or more or have been restructured as to terms, including concessions by us for modification of interest rate, principal payment or maturity date. "Potential problem" bonds and commercial mortgage loans are considered current (no payment is more than 59 days past due), but management believes they have certain characteristics that increase the likelihood that they may become problems. The characteristics management considers include, but are not limited to, the following:

- request from the borrower for restructuring;
- principal or interest payments past due by more than 30 but fewer than 60 days;
- downgrade in credit rating;
- collateral losses on asset-backed securities; and
- for commercial mortgages, deterioration of debt service coverage below 1.0 or value declines resulting in estimated loan-to-value ratios increasing to 100% or more.

We recognize interest income on problem bonds and commercial mortgage loans only when payment is actually received because of the risk profile of the underlying investment. The amount that would have been reflected in net income if interest on non-accrual investments had been recognized in accordance with their original terms was not significant for 2016 or 2015.

The following table shows problem and potential problem investments at amortized cost, net of valuation reserves and write-downs:

<i>(In millions)</i>	December 31, 2016			December 31, 2015		
	Gross	Reserve	Net	Gross	Reserve	Net
Problem bonds	\$ 70	\$ (9)	\$ 61	\$ 3	\$ (1)	\$ 2
Problem commercial mortgage loans	26	(5)	21	90	(11)	79
Foreclosed real estate	49	-	49	-	-	-
Total problem investments	\$ 145	\$ (14)	\$ 131	\$ 93	\$ (12)	\$ 81
Potential problem bonds	\$ 12	\$ (7)	\$ 5	\$ 55	\$ (23)	\$ 32
Potential problem commercial mortgage loans	-	-	-	64	(4)	60
Total potential problem investments	\$ 12	\$ (7)	\$ 5	\$ 119	\$ (27)	\$ 92

The increase in problem bonds was primarily due to three additional problem bonds in the energy sector. The increase in foreclosed real estate during 2016 reflects the foreclosure of a commercial mortgage loan classified as a problem loan as of December 31, 2015. The decrease in potential problem commercial mortgage loans in 2016 was due to a full payoff of one loan and partial payoff, and subsequent reclassification to good standing, of another loan.

## Investment Outlook

Global financial markets exhibited volatility throughout 2016 resulting from global economic and political uncertainty. The volatility began early in the year led by concerns related to slowing economic global growth, with particular concerns regarding China, potentially destabilizing impacts from cyclically low energy prices, followed in mid-year by concerns regarding the United Kingdom's decision to exit the European Union, and then finished the year with strong market reactions anticipating growth-oriented policy changes in the United States following our recent elections. The near-term impact of these events has not materially impacted our financial condition or liquidity; however, we continue to closely monitor global macroeconomic trends and the potential impact to our investment portfolio. Future realized and unrealized investment results will be driven largely by market conditions that exist when a transaction occurs or at the reporting date. These future conditions are not reasonably predictable; however, we believe that the vast majority of our investments will continue to perform under their contractual terms. Based on our strategy to match the duration of invested assets to the duration of insurance and contractholder liabilities, we expect to hold a significant portion of these assets for the long term. Although future impairment losses resulting from interest rate movements and credit deterioration due to both company-specific and the global economic uncertainties discussed above remain possible, we do not expect these losses to have a material adverse effect on our financial condition or liquidity.

## Market Risk

### Financial Instruments

Our assets and liabilities include financial instruments subject to the risk of potential losses from adverse changes in market rates and prices. Our primary market risk exposures are:

- **Interest-rate risk** on fixed-rate, medium-term instruments. Changes in market interest rates affect the value of instruments that promise a fixed return and our employee pension liabilities.
- **Foreign currency exchange rate risk** of the U.S. dollar primarily to the South Korean won, Euro, Chinese yuan renminbi, Taiwan dollar and British pound. An unfavorable change in exchange rates reduces the carrying value of net assets denominated in foreign currencies.

## Our Management of Market Risks

We predominantly rely on three techniques to manage our exposure to market risk:

- **Investment/liability matching.** We generally select investment assets with characteristics (such as duration, yield, currency and liquidity) that correspond to the underlying characteristics of our related insurance and contractholder liabilities so that we can match the investments to our obligations. Shorter-term investments generally support shorter-term life and health liabilities. Medium-term, fixed-rate investments support interest-sensitive and health liabilities. Longer-term investments generally support products with longer pay out periods such as annuities and long-term disability liabilities.
- **Use of local currencies for foreign operations.** We generally conduct our international business through foreign operating entities that maintain assets and liabilities in local currencies. While this technique does not reduce foreign currency exposure on our net assets, it substantially limits exchange rate risk to those net assets.
- **Use of derivatives.** We use derivative financial instruments to minimize certain market risks.

See Note 12 to the Consolidated Financial Statements for additional information about financial instruments, including derivative financial instruments.

## Effect of Market Fluctuations

The examples that follow illustrate the adverse effect of hypothetical changes in market rates or prices on the fair value of certain financial instruments including:

- a hypothetical increase in market interest rates, primarily for fixed maturities and commercial mortgage loans, partially offset by liabilities for long-term, largely fixed-rate debt; and
- a hypothetical strengthening of the U.S. dollar to foreign currencies, primarily for the net assets of foreign subsidiaries denominated in a foreign currency.

Management believes that actual results could differ materially from these examples because:

- these examples were developed using estimates and assumptions;
- changes in the fair values of all insurance-related assets and liabilities have been excluded because their primary risks are insurance rather than market risk;
- changes in the fair values of investments recorded using the equity method of accounting and liabilities for pension and other postretirement and postemployment benefit plans (and related assets) have been excluded, consistent with the disclosure guidance; and
- changes in the fair values of other significant assets and liabilities such as goodwill, deferred policy acquisition costs, taxes, and various accrued liabilities have been excluded; because they are not financial instruments, their primary risks are other than market risk.

The effects of hypothetical changes in market rates or prices on the fair values of certain of our financial instruments, subject to the exclusions noted above (particularly insurance liabilities), would have been as follows as of December 31:

<i>Market scenario for certain non-insurance financial instruments (in billions)</i>	<b>Loss in fair value</b>	
	<b>2016</b>	<b>2015</b>
100 basis point increase in interest rates	\$ 1.0	\$ 0.9
10% strengthening in U.S. dollar to foreign currencies	\$ 0.4	\$ 0.3

The effect of a hypothetical increase in interest rates was determined by estimating the present value of future cash flows using various models, primarily duration modeling. The impact of a hypothetical increase to interest rates at December 31, 2016 was greater than that at December 31, 2015 reflecting increased purchases of fixed maturities, in addition to valuation decreases of our long-term debt resulting from higher market yields during 2016.

The effect of a hypothetical strengthening of the U.S. dollar relative to the foreign currencies held by us was estimated to be 10% of the U.S. dollar equivalent fair value. Our foreign operations hold investment assets, such as fixed maturities, cash, and cash equivalents, that are generally invested in the currency of the related liabilities. The effect of a hypothetical 10% strengthening in the U.S. dollar to foreign currencies at December 31, 2016 was greater than that effect at December 31, 2015 due to increased amounts of investments that are primarily denominated in the South Korean won.

## **ITEM 7A. Quantitative and Qualitative Disclosures about Market Risk**

The information contained under the caption “Market Risk” in the MD&A section of this Form 10-K is incorporated by reference.

## ITEM 8. Financial Statements and Supplementary Data

### Report of Independent Registered Public Accounting Firm

#### To the Board of Directors and Shareholders of Cigna Corporation

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income, comprehensive income, changes in total equity and cash flows present fairly, in all material respects, the financial position of Cigna Corporation and its subsidiaries at December 31, 2016 and 2015, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2016 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, 2016, based on criteria established in *Internal Control - Integrated Framework 2013* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these 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 Management's Annual Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on these financial statements and on the Company's internal control over financial reporting based on our integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management and evaluating the overall financial statement presentation. 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.

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.

/s/ PricewaterhouseCoopers LLP

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PricewaterhouseCoopers LLP  
Hartford, Connecticut  
February 23, 2017

# Cigna Corporation

## Consolidated Statements of Income

<i>(In millions, except per share amounts)</i>	For the Years Ended December 31,		
	2016	2015	2014
<b>Revenues</b>			
Premiums	\$ 30,626	\$ 29,642	\$ 27,214
Fees and other revenues	4,760	4,488	4,141
Net investment income	1,147	1,153	1,166
Mail order pharmacy revenues	2,966	2,536	2,239
Realized investment gains (losses):			
Other-than-temporary impairments on fixed maturities	(35)	(112)	(36)
Other realized investment gains, net	204	169	190
Net realized investment gains	169	57	154
<b>TOTAL REVENUES</b>	<b>39,668</b>	<b>37,876</b>	<b>34,914</b>
<b>Benefits and Expenses</b>			
Global Health Care medical costs	19,009	18,354	16,694
Other benefit expenses	5,477	4,936	4,640
Mail order pharmacy costs	2,468	2,134	1,907
Other operating expenses	9,584	8,982	8,174
Amortization of other acquired intangible assets, net	151	143	195
<b>TOTAL BENEFITS AND EXPENSES</b>	<b>36,689</b>	<b>34,549</b>	<b>31,610</b>
<b>Income before Income Taxes</b>	<b>2,979</b>	<b>3,327</b>	<b>3,304</b>
<b>Income taxes (benefits):</b>			
Current	1,062	1,229	1,232
Deferred	74	21	(22)
<b>TOTAL TAXES</b>	<b>1,136</b>	<b>1,250</b>	<b>1,210</b>
<b>Net Income</b>	<b>1,843</b>	<b>2,077</b>	<b>2,094</b>
Less: Net (Loss) Attributable to Noncontrolling Interests	(24)	(17)	(8)
<b>SHAREHOLDERS' NET INCOME</b>	<b>\$ 1,867</b>	<b>\$ 2,094</b>	<b>\$ 2,102</b>
<b>Shareholders' Net Income Per Share:</b>			
Basic	\$ 7.31	\$ 8.17	\$ 7.97
Diluted	\$ 7.19	\$ 8.04	\$ 7.83
Dividends Declared Per Share	\$ 0.04	\$ 0.04	\$ 0.04

The accompanying Notes to the Consolidated Financial Statements are an integral part of these statements.

# Cigna Corporation

## Consolidated Statements of Comprehensive Income

<i>(In millions)</i>	For the Years Ended December 31,		
	2016	2015	2014
<b>Shareholders' net income</b>	<b>\$ 1,867</b>	<b>\$ 2,094</b>	<b>\$ 2,102</b>
<b>Shareholders' other comprehensive income (loss), net of tax:</b>			
Net unrealized appreciation (depreciation) on securities	(56)	(202)	143
Net unrealized appreciation (depreciation) on derivatives	(4)	15	11
Net translation of foreign currencies	(95)	(212)	(144)
Postretirement benefits liability adjustment	23	85	(426)
<b>Shareholders' other comprehensive (loss), net of tax</b>	<b>(132)</b>	<b>(314)</b>	<b>(416)</b>
<b>Shareholders' comprehensive income</b>	<b>1,735</b>	<b>1,780</b>	<b>1,686</b>
<b>Comprehensive income attributable to noncontrolling interests:</b>			
Net income (loss) attributable to redeemable noncontrolling interests	(7)	(6)	1
Net (loss) attributable to other noncontrolling interests	(17)	(11)	(9)
Other comprehensive (loss) attributable to redeemable noncontrolling interests	(10)	(17)	(7)
Other comprehensive income (loss) attributable to other noncontrolling interests	-	(1)	1
<b>Total comprehensive (loss) attributable to noncontrolling interests</b>	<b>(34)</b>	<b>(35)</b>	<b>(14)</b>
<b>TOTAL COMPREHENSIVE INCOME</b>	<b>\$ 1,701</b>	<b>\$ 1,745</b>	<b>\$ 1,672</b>

The accompanying Notes to the Consolidated Financial Statements are an integral part of these statements.



# Cigna Corporation

## Consolidated Balance Sheets

<i>(In millions, except per share amounts)</i>	<b>As of December 31,</b>	
	<b>2016</b>	<b>2015</b>
<b>Assets</b>		
Investments:		
Fixed maturities, at fair value (amortized cost, \$19,942; \$18,456)	<b>\$ 20,961</b>	\$ 19,455
Equity securities, at fair value (cost, \$583; \$190)	<b>583</b>	190
Commercial mortgage loans	<b>1,666</b>	1,864
Policy loans	<b>1,452</b>	1,419
Other long-term investments	<b>1,462</b>	1,404
Short-term investments	<b>691</b>	381
Total investments	<b>26,815</b>	24,713
Cash and cash equivalents	<b>3,185</b>	1,968
Premiums, accounts and notes receivable, net	<b>3,077</b>	3,694
Reinsurance recoverables	<b>6,478</b>	6,813
Deferred policy acquisition costs	<b>1,818</b>	1,659
Property and equipment	<b>1,536</b>	1,534
Deferred tax assets, net	<b>304</b>	379
Goodwill	<b>5,980</b>	6,019
Other assets, including other intangibles	<b>2,227</b>	2,476
Separate account assets	<b>7,940</b>	7,833
<b>TOTAL ASSETS</b>	<b>\$ 59,360</b>	\$ 57,088
<b>Liabilities</b>		
Contractholder deposit funds	<b>\$ 8,458</b>	\$ 8,443
Future policy benefits	<b>9,648</b>	9,479
Unpaid claims and claim expenses	<b>4,917</b>	4,574
Global Health Care medical costs payable	<b>2,532</b>	2,355
Unearned premiums	<b>634</b>	629
Total insurance and contractholder liabilities	<b>26,189</b>	25,480
Accounts payable, accrued expenses and other liabilities	<b>6,414</b>	6,493
Short-term debt	<b>276</b>	149
Long-term debt	<b>4,756</b>	5,020
Separate account liabilities	<b>7,940</b>	7,833
<b>TOTAL LIABILITIES</b>	<b>45,575</b>	44,975
<b>Contingencies - Note 21</b>		
Redeemable noncontrolling interests	<b>58</b>	69
<b>Shareholders' equity</b>		
Common stock (par value per share, \$0.25; shares issued, 296; authorized, 600)	<b>74</b>	74
Additional paid-in capital	<b>2,892</b>	2,859
Accumulated other comprehensive loss	<b>(1,382)</b>	(1,250)
Retained earnings	<b>13,855</b>	12,121
Less: treasury stock, at cost	<b>(1,716)</b>	(1,769)
<b>TOTAL SHAREHOLDERS' EQUITY</b>	<b>13,723</b>	12,035
Noncontrolling interests	<b>4</b>	9
Total equity	<b>13,727</b>	12,044
Total liabilities and equity	<b>\$ 59,360</b>	\$ 57,088
<b>SHAREHOLDERS' EQUITY PER SHARE</b>	<b>\$ 53.42</b>	\$ 46.91

The accompanying Notes to the Consolidated Financial Statements are an integral part of these statements.

# Cigna Corporation

## Consolidated Statements of Changes in Total Equity

	Common Stock	Additional Paid-in Capital	Accumulated Other Comprehensive Loss	Retained Earnings	Treasury Stock	Shareholders' Equity	Noncontrolling Interests	Total Equity	Redeemable Noncontrolling Interests
<i>(In millions, except per share amounts)</i>									
Balance at January 1, 2014	\$ 92	\$ 3,356	\$ (520)	\$ 13,676	\$(6,037)	\$ 10,567	\$ 14	\$ 10,581	\$ 96
<b>2014 Activity:</b>									
Effect of issuing stock for employee benefit plans		69		(124)	220	165		165	
Other comprehensive income (loss)			(416)			(416)	1	(415)	(7)
Net income (loss)				2,102		2,102	(9)	2,093	1
Common dividends declared (per share: \$0.04)				(11)		(11)		(11)	
Repurchase of common stock					(1,629)	(1,629)		(1,629)	
Retirement of treasury stock	(18)	(652)		(5,354)	6,024	-		-	
Other transactions impacting noncontrolling interests		(4)				(4)	9	5	
<b>BALANCE AT DECEMBER 31, 2014</b>	<b>74</b>	<b>2,769</b>	<b>(936)</b>	<b>10,289</b>	<b>(1,422)</b>	<b>10,774</b>	<b>15</b>	<b>10,789</b>	<b>90</b>
<b>2015 Activity:</b>									
Effect of issuing stock for employee benefit plans		99		(252)	336	183		183	
Other comprehensive income (loss)			(314)			(314)	(1)	(315)	(17)
Net income (loss)				2,094		2,094	(11)	2,083	(6)
Common dividends declared (per share: \$0.04)				(10)		(10)		(10)	
Repurchase of common stock					(683)	(683)		(683)	
Other transactions impacting noncontrolling interests		(9)				(9)	6	(3)	2
<b>BALANCE AT DECEMBER 31, 2015</b>	<b>74</b>	<b>2,859</b>	<b>(1,250)</b>	<b>12,121</b>	<b>(1,769)</b>	<b>12,035</b>	<b>9</b>	<b>12,044</b>	<b>69</b>
<b>2016 Activity:</b>									
Effect of issuing stock for employee benefit plans		51		(123)	163	91		91	
Other comprehensive (loss)			(132)			(132)	-	(132)	(10)
Net income (loss)				1,867		1,867	(17)	1,850	(7)
Common dividends declared (per share: \$0.04)				(10)		(10)		(10)	
Repurchase of common stock					(110)	(110)		(110)	
Other transactions impacting noncontrolling interests		(18)				(18)	12	(6)	6
<b>BALANCE AT DECEMBER 31, 2016</b>	<b>\$ 74</b>	<b>\$ 2,892</b>	<b>\$ (1,382)</b>	<b>\$ 13,855</b>	<b>\$(1,716)</b>	<b>\$ 13,723</b>	<b>\$ 4</b>	<b>\$ 13,727</b>	<b>\$ 58</b>

The accompanying Notes to the Consolidated Financial Statements are an integral part of these statements.

# Cigna Corporation

## Consolidated Statements of Cash Flows

(In millions)	For the years ended December 31,		
	2016	2015	2014
<b>Cash Flows from Operating Activities</b>			
Net income	\$ 1,843	\$ 2,077	\$ 2,094
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	610	585	588
Realized investment gains, net	(169)	(57)	(154)
Deferred income taxes	74	21	(22)
Net changes in assets and liabilities, net of non-operating effects:			
Premiums, accounts and notes receivable	663	(945)	(780)
Reinsurance recoverables	142	55	22
Deferred policy acquisition costs	(213)	(182)	(176)
Other assets	134	16	(265)
Insurance liabilities	683	657	457
Accounts payable, accrued expenses and other liabilities	124	423	202
Current income taxes	1	(25)	111
Loss on extinguishment of debt	-	100	-
Distributions from partnership investments <sup>(2)</sup>	144	137	111
Other, net <sup>(1)</sup>	(10)	71	(30)
<b>NET CASH PROVIDED BY OPERATING ACTIVITIES<sup>(1)(2)</sup></b>	<b>4,026</b>	<b>2,933</b>	<b>2,158</b>
<b>Cash Flows from Investing Activities</b>			
Proceeds from investments sold:			
Fixed maturities and equity securities	1,544	1,555	1,769
Investment maturities and repayments:			
Fixed maturities and equity securities	1,755	1,435	1,640
Commercial mortgage loans	316	640	453
Other sales, maturities and repayments (primarily short-term and other long-term investments) <sup>(2)</sup>	1,431	1,160	2,595
Investments purchased or originated:			
Fixed maturities and equity securities	(5,191)	(4,234)	(5,424)
Commercial mortgage loans	(165)	(500)	(287)
Other (primarily short-term and other long-term investments)	(1,698)	(1,183)	(2,115)
Property and equipment purchases, net	(461)	(510)	(473)
Acquisitions, net of cash acquired	(4)	(99)	-
Other, net	(101)	-	(24)
<b>NET CASH (USED IN) INVESTING ACTIVITIES<sup>(2)</sup></b>	<b>(2,574)</b>	<b>(1,736)</b>	<b>(1,866)</b>
<b>Cash Flows from Financing Activities</b>			
Deposits and interest credited to contractholder deposit funds	1,460	1,429	1,482
Withdrawals and benefit payments from contractholder deposit funds	(1,362)	(1,359)	(1,456)
Net change in short-term debt	(148)	(21)	(112)
Net proceeds on issuance of long-term debt	-	894	-
Repayment of long-term debt	-	(938)	-
Repurchase of common stock	(139)	(671)	(1,612)
Issuance of common stock	36	154	110
Other, net <sup>(1)</sup>	(72)	(97)	(47)
<b>NET CASH (USED IN) FINANCING ACTIVITIES<sup>(1)</sup></b>	<b>(225)</b>	<b>(609)</b>	<b>(1,635)</b>
Effect of foreign currency rate changes on cash and cash equivalents	(10)	(40)	(32)
Net increase / (decrease) in cash and cash equivalents	1,217	548	(1,375)
Cash and cash equivalents, January 1,	1,968	1,420	2,795
Cash and cash equivalents, December 31,	\$ 3,185	\$ 1,968	\$ 1,420
<b>Supplemental Disclosure of Cash Information:</b>			
Income taxes paid, net of refunds	\$ 1,064	\$ 1,194	\$ 1,085
Interest paid	\$ 244	\$ 245	\$ 259

(1) As required in adopting Accounting Standard Update ("ASU") 2016-09, the Company retrospectively reclassified \$79 million in 2015 and \$53 million in 2014 of cash payments from operating to financing activities. These payments were related to employee tax obligations associated with stock compensation. The comparable amount reported in financing activities in 2016 was \$72 million. See Note 2 for further discussion.

(2) As required in adopting ASU 2016-15, the Company retrospectively reclassified from investing to operating activities \$137 million in 2015 and \$111 million in 2014 of cash distributions from partnership earnings. The comparable amount reported in operating activities in 2016 was \$144 million. See Note 2 for further discussion.

The accompanying Notes to the Consolidated Financial Statements are an integral part of these statements.

Notes to the Consolidated Financial Statements

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## NOTE 1 Description of Business

Cigna Corporation, together with its subsidiaries (either individually or collectively referred to as “Cigna,” the “Company,” “we,” “our” or “us”) is a global health services organization dedicated to a mission of helping individuals improve their health, well-being and sense of security. To execute on our mission, Cigna’s strategy is to “Go Deep”, “Go Global” and “Go Individual” with a differentiated set of medical, dental, disability, life and accident insurance and related products and services offered by our subsidiaries. The majority of these products are offered through employers and other groups such as governmental and non-governmental organizations, unions and associations. Cigna also offers commercial health and dental insurance, Medicare and Medicaid products and health, life and accident insurance coverages to individuals in the U.S. and selected international markets. In addition to these ongoing operations, Cigna also has certain run-off operations.

The financial results of the Company’s businesses are reported in the following segments:

**Global Health Care** aggregates the Commercial and Government operating segments due to their similar economic characteristics, products and services and regulatory environment:

- The **Commercial** operating segment encompasses both the U.S. commercial and certain international health care businesses serving employers and their employees, other groups, and individuals. Products and services include medical, dental, behavioral health, vision, and prescription drug benefit plans, health advocacy programs and other products and services to insured and self-insured customers.
- The **Government** operating segment offers Medicare Advantage and Medicare Part D plans to seniors and Medicaid plans.

**Global Supplemental Benefits** includes supplemental health, life and accident insurance products offered in selected international markets and in the U.S.

**Group Disability and Life** provides group long-term and short-term disability, group life, accident and specialty insurance products and related services.

**Other Operations** consist of:

- corporate-owned life insurance (“COLI”);
- run-off reinsurance business that is predominantly comprised of guaranteed minimum death benefit (“GMDB”) and guaranteed minimum income benefit (“GMIB”) business effectively exited through reinsurance with Berkshire Hathaway Life Insurance Company of Nebraska (“Berkshire”) in 2013;
- deferred gains recognized from the 1998 sale of the individual life insurance and annuity business and the 2004 sale of the retirement benefits business; and
- run-off settlement annuity business.

**Corporate** reflects amounts not allocated to operating segments, such as net interest expense (defined as interest on corporate debt less net investment income on investments not supporting segment operations), interest on uncertain tax positions, certain litigation matters, intersegment eliminations, compensation cost for stock options, expense associated with frozen pension plans and certain costs for corporate projects, including overhead.

## NOTE 2 Summary of Significant Accounting Policies

### Basis of Presentation

The Consolidated Financial Statements include the accounts of Cigna Corporation and its subsidiaries. Intercompany transactions and accounts have been eliminated in consolidation. These Consolidated Financial Statements were prepared in conformity with accounting principles generally accepted in the United States of America (“GAAP”). Amounts recorded in the Consolidated Financial Statements necessarily reflect management’s estimates and assumptions about medical costs, investment valuation, interest rates and other factors. Significant estimates are discussed throughout these Notes; however, actual results could differ from those estimates. The impact of a change in estimate is generally included in earnings in the period of adjustment. Certain reclassifications have been made to prior year amounts to conform to the current presentation.

**Variable interest entities.** See Note 13 for a discussion of consolidated variable interest entities.

## Recent Accounting Changes

The following tables provide information about recently adopted and recently issued accounting guidance applicable to Cigna.

### Recently Adopted Accounting Guidance

Accounting Standard and Adoption Date	Requirements and Effects of Adopting New Guidance
<p><b>Classification of Certain Cash Receipts and Cash Payments (a consensus of the Emerging Issues Task Force) (Accounting Standards Update (“ASU”) 2016-15)</b></p> <p><b>Early adopted as of December 31, 2016</b></p>	<p>Specifies how certain transactions should be classified in the statement of cash flows. While the standard addresses multiple types of transactions, only a change in the treatment of distributions from equity method investments will impact the Company.</p> <p>Effects of adoption: using the nature of distribution approach, the Company reported \$144 million of cash receipts related to distributions from partnership earnings in operating activities in 2016. The Company reclassified \$137 million for 2015 and \$111 million for 2014 from investing to operating activities in the Consolidated Statements of Cash Flows.</p>
<p><b>Improvements to Employee Share-Based Payment Accounting (ASU 2016-09)</b></p> <p><b>Early adopted on January 1, 2016</b></p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• Excess tax benefits or deficiencies to be recorded prospectively in the income statement when awards vest or are settled; previously these effects were reported in additional paid-in capital</li> <li>• Cash flows related to excess tax benefits to be classified prospectively as an operating activity in the statement of cash flows (previously financing)</li> <li>• All cash payments made on an employee’s behalf for withheld shares to be presented retrospectively as a financing activity in the statement of cash flows</li> <li>• Prospective changes to the calculation of common stock equivalents for earnings per share</li> </ul> <p>Permits:</p> <ul style="list-style-type: none"> <li>• Repurchasing more of an employee’s shares for tax withholding purposes than previously allowed without triggering liability accounting</li> <li>• An accounting policy election to record forfeitures as they occur instead of estimating</li> </ul> <p>Effects of adoption:</p> <ul style="list-style-type: none"> <li>• \$29 million of excess tax benefits recorded in net income during 2016 (in Corporate)</li> <li>• \$72 million of tax withholding cash flows reported in financing activities in 2016; reclassified \$79 million for 2015 and \$53 million for 2014 of tax withholding from operating to financing activities in the Consolidated Statements of Cash Flows</li> <li>• Approximately one million additional weighted average shares in 2016 for the diluted earnings per share calculations</li> <li>• No changes in our employee tax withholding practices for stock compensation</li> <li>• The amount of compensation cost recognized in each period continues to be determined based on estimated forfeitures</li> </ul>
<p><b>Disclosures about Short-Duration Insurance Contracts (ASU 2015-09)</b></p> <p><b>Adopted December 31, 2016</b></p>	<p>Requires additional information about an insurance entity’s initial claim estimates and subsequent adjustments to those estimates; methodologies and judgments in estimating claims; and the timing, frequency and severity of claims.</p> <p>Effects of adoption:</p> <ul style="list-style-type: none"> <li>• See Note 7 for these disclosures about our Global Health Care medical cost payable liabilities</li> <li>• See Note 8 for these disclosures about our unpaid claims and claim expense liabilities</li> </ul>
<p><b>Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or Its Equivalent) (ASU 2015-07)</b></p> <p><b>Adopted January 1, 2016</b></p>	<p>Removes fair value disclosure requirement for all investments measured using the practical expedient of net asset value (“NAV”) per share. Certain additional disclosures are now required for such investments.</p> <p>Effects of adoption: see Note 10 for these disclosures about separate account investments that use NAV as a practical expedient; comparable prior year amounts are also disclosed.</p>
<p><b>Amendments to the Consolidation Analysis (ASU 2015-02)</b></p> <p><b>Adopted January 1, 2016</b></p>	<p>Defines limited partnerships as variable interest entities unless substantive kick-out rights or participating rights exist.</p> <p>Effects of adoption:</p> <ul style="list-style-type: none"> <li>• No material effect on the Company’s financial statements</li> <li>• See Note 13 for disclosures about various limited partnerships newly identified as variable interest entities for which the Company is not the primary beneficiary</li> </ul>



## Recently Issued Accounting Guidance Not Yet Adopted

Accounting Standard and Effective Date Applicable for Cigna	Requirements and Expected Effects of New Guidance Not Yet Adopted
<p><b>Simplifying the Test for Goodwill Impairment (ASU 2017-04)</b></p> <p>Required as of January 1, 2020, with early adoption permitted as of January 1, 2017</p>	<p>Simplifies the accounting for goodwill impairment by eliminating the need to determine the fair value of individual assets and liabilities of a reporting unit to measure a goodwill impairment.</p> <p>Expected effects: the Company is evaluating this new standard and its expected timing of adoption.</p>
<p><b>Clarifying the Definition of a Business (ASU 2017-01)</b></p> <p>Required as of January 1, 2018, with early adoption permitted as of January 1, 2017</p>	<p>Revises the definition of a business and provides a more robust framework for entities to use in determining when a set of assets and activities is a business.</p> <p>Expected effects: if a group of assets acquired after adoption is not considered a business, no goodwill will be recorded and most intangible assets recorded from the acquisition will be amortized to shareholders' net income over their useful lives. The Company is evaluating this new standard and its expected timing of adoption.</p>
<p><b>Intra-Entity Asset Transfers of Assets Other than Inventory (ASU 2016-16)</b></p> <p>Required as of January 1, 2018, with early adoption permitted as of January 1, 2017</p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• Entities to recognize the tax impacts of all intra-entity sales of assets other than inventory even though the pre-tax effects of those transactions are eliminated in consolidation</li> <li>• Modified retrospective approach for adoption, with a cumulative-effect adjustment recorded in retained earnings</li> </ul> <p>Expected effects: the Company is evaluating this new standard, its expected timing of adoption and effects on its financial statements and disclosures.</p>
<p><b>Measurement of Credit Losses on Financial Instruments (ASU 2016-13)</b></p> <p>Required as of January 1, 2020, with early adoption permitted as of January 1, 2019</p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• A new approach (based on expected credit losses) to estimate and recognize credit losses for certain financial instruments such as mortgage loans, reinsurance recoverables and other receivables</li> <li>• Changes in the criteria for impairment of available-for-sale debt securities</li> <li>• Modified retrospective approach for adoption, with a cumulative-effect adjustment recorded in retained earnings</li> </ul> <p>Expected effects: the Company is evaluating this new standard, its expected timing of adoption and effects on its financial statements and disclosures. It is possible that an additional allowance for future expected credit losses for certain financial instruments may be required at adoption.</p>
<p><b>Leases (ASU 2016-02)</b></p> <p>Required as of January 1, 2019</p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• Balance sheet recognition of assets and liabilities arising from leases, including from leases embedded in other contracts</li> <li>• Additional disclosures of the amount, timing and uncertainty of cash flows from leases will be required</li> <li>• Modified retrospective approach for leases in effect as of and after the date of adoption, with a cumulative-effect adjustment recorded in retained earnings</li> </ul> <p>Expected effects: the Company is still evaluating the impact the standard could have on the Consolidated Financial Statements; however, while the Company has not yet quantified the amount, we do expect the standard will have a material impact on our Consolidated Balance Sheets due to the recognition of additional assets and liabilities for operating leases. The actual increase in assets and liabilities will depend on the volume and terms of leases in place at adoption.</p>
<p><b>Recognition and Measurement of Financial Assets and Financial Liabilities (ASU 2016-01)</b></p> <p>Required as of January 1, 2018</p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• Entities to measure equity investments at fair value in net income if they are neither consolidated nor accounted for under the equity method</li> <li>• Cumulative effect adjustment to the beginning balance of retained earnings at adoption</li> </ul> <p>Expected effects:</p> <ul style="list-style-type: none"> <li>• Certain limited partnership interests carried at cost of \$260 million as of December 31, 2016 will be reported at fair value at adoption</li> <li>• An increase to retained earnings of approximately \$60 million, after-tax, if implemented as of December 31, 2016. Actual cumulative effect adjustment will depend on investments held and market conditions at adoption.</li> </ul>

PART II

ITEM 8. Financial Statements and Supplementary Data

Accounting Standard and Effective Date Applicable for Cigna	Requirements and Expected Effects of New Guidance Not Yet Adopted
<p><b>Revenue from Contracts with Customers (ASU 2014-09 and related amendments)</b></p> <p><b>Required as of January 1, 2018, with early adoption permitted as of January 1, 2017</b></p>	<p>Requires:</p> <ul style="list-style-type: none"> <li>• Companies to estimate and allocate the expected customer contract revenues among distinct goods or services based on relative standalone selling prices</li> <li>• Revenues to be recognized as goods or services are delivered</li> <li>• Extensive new disclosures including the presentation of additional categories of revenues and information about related contract assets and liabilities</li> <li>• Adoption through retrospective restatement with or without using certain practical expedients or adoption with a cumulative effect adjustment</li> </ul> <p>Expected effects:</p> <ul style="list-style-type: none"> <li>• Applies to the Company's non-insurance, administrative service contracts but does not apply to certain contracts within the scope of other GAAP, such as insurance contracts</li> <li>• The Company will adopt the new guidance as of January 1, 2018 but has not yet selected a method of adoption</li> <li>• The Company does not currently expect the adoption of the new guidance to have a material impact to its pattern of revenue recognition</li> <li>• The Company is continuing to evaluate the new requirements. Specifically, the Company is evaluating the combination of contract guidance for certain customers where the Company provides both insurance and non-insurance products, the deferral of revenue for services provided after the termination of certain administrative contracts and the Company's status as principal or agent for certain performance obligations.</li> </ul>

## Significant Accounting Policies

The Company's accounting policies are either described in this Note or are described in the applicable Notes to the Consolidated Financial Statements as indicated in the table below.

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### A. Investments – Policy Loans

Policy loans are carried at unpaid principal balances plus accumulated interest, the total of which approximates fair value. These loans are collateralized by life insurance policy cash values and therefore have minimal exposure to credit loss. Interest rates are reset annually based on an index.

### B. Cash and Cash Equivalents

Cash and cash equivalents are carried at cost that approximates fair value. Cash equivalents consist of short-term investments with maturities of three months or less from the time of purchase. The Company reclassifies cash overdraft positions to accounts payable, accrued expenses and other liabilities when the legal right of offset does not exist.

### C. Premiums, Accounts and Notes Receivable and Reinsurance Recoverables

Premiums, accounts and notes receivable and reinsurance recoverables are reported net of allowances for doubtful accounts and unrecoverable reinsurance of \$203 million as of December 31, 2016 and \$78 million as of December 31, 2015. The Company estimates these allowances for doubtful accounts and unrecoverable reinsurance using management's best estimates of collectability, taking into consideration the age of the outstanding amounts, historical collection patterns and other economic factors. See Note 22 for additional discussion of the allowance established in 2016 for the risk corridor receivable.

### D. Deferred Policy Acquisition Costs

Costs eligible for deferral include incremental, direct costs of acquiring new or renewal insurance and investment contracts and other costs directly related to successful contract acquisition. Examples of deferrable costs include commissions, sales compensation and benefits, policy

## PART II

### ITEM 8. Financial Statements and Supplementary Data

issuance and underwriting costs and premium taxes. The Company records acquisition costs differently depending on the product line. Acquisition costs for:

- **Universal life products** are deferred and amortized in proportion to the present value of total estimated gross profits over the expected lives of the contracts.
- **Supplemental health, life and accident insurance (primarily individual products) and group health and accident insurance products** are deferred and amortized, generally in proportion to the ratio of periodic revenue to the estimated total revenues over the contract periods.
- **Other products** are expensed as incurred.

Deferred policy acquisition costs also include the value of business acquired with certain acquisitions.

Each year, deferred policy acquisition costs are tested for recoverability. For universal life and other individual products, management estimates the present value of future revenues less expected payments. For group health and accident insurance products, management estimates the sum of unearned premiums and anticipated net investment income less future expected claims and related costs. If management's estimates of these sums are less than the deferred costs, the Company reduces deferred policy acquisition costs and records an expense. The Company recorded amortization for policy acquisition costs of \$292 million in 2016, \$286 million in 2015 and \$289 million in 2014 primarily in other operating expenses.

## E. Other Assets, including Other Intangibles

Other assets, including other intangibles consist primarily of GMIB assets, accrued net investment income, other intangible assets and various other insurance-related assets. See Note 17 for the Company's accounting policy for other intangibles. Additionally, these other assets include the carrying value of our equity-method investments in joint ventures in China and other foreign jurisdictions.

## F. Contractholder Deposit Funds

Liabilities for contractholder deposit funds primarily include deposits received from customers for investment-related and universal life products and investment earnings on their fund balances. These liabilities are adjusted to reflect administrative charges and, for universal life fund balances, mortality charges. In addition, this caption includes: 1) premium stabilization reserves under group insurance contracts representing experience refunds left with the Company to pay future premiums; 2) deposit administration funds used to fund non-pension retiree insurance programs; 3) retained asset accounts; and 4) annuities or supplementary contracts without significant life contingencies. Interest credited on these funds is accrued ratably over the contract period.

## G. Future Policy Benefits

Future policy benefits represent the present value of estimated future obligations under long-term life and supplemental health insurance policies and annuity products currently in force. These obligations are estimated using actuarial methods and consist primarily of reserves for annuity contracts, life insurance benefits, GMDB contracts (see Note 9 for additional information) and certain health, life and accident insurance products of our Global Supplemental Benefits segment.

Obligations for annuities represent specified periodic benefits to be paid to an individual or groups of individuals over their remaining lives. Obligations for life insurance policies and GMDB contracts represent benefits to be paid to policyholders, net of future premiums to be received. Management estimates these obligations based on assumptions as to premiums, interest rates, mortality or morbidity, future claim adjudication expenses and surrenders, allowing for adverse deviation as appropriate. Mortality, morbidity and surrender assumptions are based on the Company's own experience and published actuarial tables. Interest rate assumptions are based on management's judgment considering the Company's experience and future expectations, and range from 0.1% to 9%. Obligations for the run-off settlement annuity business include adjustments for realized and unrealized investment returns consistent with GAAP when a premium deficiency exists.

## H. Redeemable Noncontrolling Interests

Products and services are offered in Turkey and India through joint venture entities for which the Company is the principal equity holder or primary beneficiary. Accordingly, these entities are consolidated. The redeemable noncontrolling interests on our Consolidated Balance Sheets represent our joint venture partners' preferred and common stock interests in these entities. Our joint venture partners may, at their election, require the Company to purchase their redeemable noncontrolling interests. We also have the right to require our joint venture partners to sell their redeemable noncontrolling interests to us. The redeemable noncontrolling interests were recorded at fair value as of the dates of purchase. When the estimated redemption value for a redeemable noncontrolling interest exceeds its carrying value, an adjustment to increase the redeemable noncontrolling interest is recorded with an offsetting reduction to additional paid-in capital. When an adjustment is made to the carrying value of the redeemable noncontrolling interest, the calculation of shareholders' net income per share will be adjusted if the redemption value exceeds the greater of the carrying value or fair value.

## I. Accounts Payable, Accrued Expenses and Other Liabilities

Accounts payable, accrued expenses and other liabilities include liabilities for pension, other postretirement and postemployment benefits (see Note 15), GMIB contract liabilities (see Note 9), self-insured exposures, management compensation, cash overdraft positions and various insurance-related liabilities, including experience-rated refunds, reinsurance contracts and the minimum medical loss ratio rebate accrual under The Patient Protection and Affordable Care Act (the "Health Care Reform Act" or "ACA"). Legal costs to defend the Company's litigation and arbitration matters are expensed when incurred in cases where the Company cannot reasonably estimate the ultimate cost to defend. In cases where the Company can reasonably estimate the cost to defend, a liability for these costs is accrued when the claim is reported.

## J. Translation of Foreign Currencies

The Company generally conducts its international business through foreign operating entities that maintain assets and liabilities in local currencies that are generally their functional currencies. The Company uses exchange rates as of the balance sheet date to translate assets and liabilities into U.S. dollars. Translation gains or losses on functional currencies, net of applicable taxes, are recorded in accumulated other comprehensive income (loss). The Company uses average monthly exchange rates during the year to translate revenues and expenses into U.S. dollars.

## K. Premiums and Related Expenses

Premiums for group life, accident and health insurance and managed care coverages are recognized as revenue on a pro rata basis over the contract period. Benefits and expenses are recognized when incurred and, for our Global Health Care insured business, medical costs are presented net of pharmaceutical manufacturer rebates. For experience-rated contracts, premium revenue includes an adjustment for experience-rated refunds based on contract terms and calculated using the customer's experience (including estimates of incurred but not reported claims).

Premium revenue also includes an adjustment to reflect the estimated effect of rebates due to customers under the commercial minimum medical loss ratio provisions of the Health Care Reform Act. These rebates are settled in the year following the policy year.

Premiums received for the Company's Medicare Advantage Plans and Medicare Part D products from the Centers for Medicare and Medicaid Services ("CMS") and customers are recognized as revenue ratably over the contract period. CMS provides risk-adjusted premium payments for Medicare Advantage Plans and Medicare Part D products based on the demographics and wellness of enrollees. The Company recognizes periodic changes to risk-adjusted premiums as revenue when the amounts are determinable and collection is reasonably assured. Additionally, Medicare Part D premiums include payments from CMS for risk sharing adjustments. The risk sharing adjustments that are estimated quarterly based on claim experience, compare actual incurred drug benefit costs to estimated costs submitted in original contracts and may result in more or less revenue from CMS. Final revenue adjustments are determined and settled with CMS in the year following the contract year. Premium revenue also includes an adjustment to reflect the estimated effect of rebates due to CMS under the Medicare Advantage and Medicare Part D minimum medical loss ratio provisions of the Health Care Reform Act.

**Accounting for the Health Care Reform Act's Risk Mitigation Programs.** Beginning in 2014, as prescribed by the Health Care Reform Act, programs went into effect to reduce the risk for participating health insurance companies selling coverage on the public exchanges.

- A *three-year (2014-2016) reinsurance program* is designed to provide reimbursement to insurers for high cost individual business sold on or off the public exchanges. The reinsurance entity established by the U.S. Department of Health and Human Services ("HHS") is funded by a per-customer reinsurance fee assessed on all insurers, Health Maintenance Organizations ("HMOs") and self-insured group health plans, excluding certain products such as Medicare Advantage and Medicare Part D. Only non-grandfathered individual plans are eligible for recoveries if claims exceed a specified threshold, up to a reinsurance cap.
- A *permanent risk adjustment program* reallocates funds from insurers with lower risk populations to insurers with higher risk populations based on the relative risk scores of participants in non-grandfathered plans in the individual and small group markets, both on and off the exchanges. We estimate our receivable or payable based on the risk of our members compared to the risk of other members in the same state and market, considering data obtained from industry studies and HHS.
- A *three-year (2014-2016) risk corridor program* is designed to limit insurer gains and losses by comparing allowable medical costs to a target amount as defined by HHS. This program applies to individual and small group qualified health plans, operating on and off the exchanges. Variances from the target amount exceeding certain thresholds may result in amounts due to or due from HHS.

Reinsurance contributions associated with non-grandfathered individual plans are reported as reductions in premium revenues, and estimated reinsurance recoveries are established with offsetting reductions in Global Health Care medical costs. Reinsurance fee contributions for other insured business are reported in other operating expenses. Final recoverable amounts are determined and settled with HHS in the year following the policy year. For the risk adjustment and risk corridor programs, the Company records receivables or payables as adjustments to premium revenue based on our year-to-date experience when the amounts are reasonably estimable and collection is reasonably assured. Final revenue adjustments are determined by HHS in the year following the policy year. For additional discussion on our revenue recognition considerations for the risk corridor program in 2016, see Note 22.

Premiums for individual life, accident and supplemental health insurance and annuity products, excluding universal life and investment-related products, are recognized as revenue when due. Benefits and expenses are matched with premiums.

Revenue for universal life products is recognized as follows:

- Investment income on assets supporting universal life products is recognized in net investment income as earned.
- Charges for mortality, administration and policy surrender are recognized in premiums as earned. Administrative fees are considered earned when services are provided.

Benefits and expenses for universal life products consist of benefit claims in excess of policyholder account balances and income earned by policyholders. Expenses are recognized when claims are incurred, and income is credited to policyholders in accordance with contract provisions.

The unrecognized portion of premiums received is recorded as unearned premiums.

## L. Fees, Related Expenses and Mail Order Pharmacy Revenues and Costs

Contract fees for administrative services only (“ASO”) programs and pharmacy programs and services are recognized in fees and other revenues as services are provided, net of estimated pharmaceutical manufacturer rebates payable to ASO clients using our network of retail pharmacies and estimated refunds under performance guarantees. Expenses associated with these programs and services are recognized in other operating expenses as incurred, net of estimated pharmaceutical rebates from manufacturers for prescriptions filled through our network of retail pharmacies.

In some cases, the Company provides performance guarantees associated with meeting certain service standards, clinical outcomes or financial metrics. If these service standards, clinical outcomes or financial metrics are not met, the Company may be financially at risk up to a stated percentage of the contracted fee or a stated dollar amount. The Company defers revenues for estimated payouts associated with these performance guarantees. Approximately 10% of ASO fees reported for the year ended December 31, 2016 were at risk under performance guarantees, with reimbursements estimated to be less than 1% of revenues.

Revenues for investment-related products are recognized as follows:

- Investment income on assets supporting investment-related products is recognized in net investment income as earned.
- Contract fees based upon related administrative expenses are recognized in fees and other revenues as they are earned ratably over the contract period.

Benefits and expenses for investment-related products consist primarily of income credited to policyholders in accordance with contract provisions.

Mail order pharmacy revenues and the cost of prescriptions are recognized as each prescription is shipped. Mail order pharmacy revenues are presented net of estimated pharmaceutical manufacturer rebates payable to ASO clients using our mail order business. Mail order pharmacy costs include the cost of prescriptions sold and other costs to operate this business including supplies, shipping and handling, net of estimated pharmaceutical rebates from manufacturers for prescriptions filled through our mail order business.

## NOTE 3 Mergers and Acquisitions

### *Proposed Merger*

On July 23, 2015, the Company entered into a merger agreement with Anthem, Inc. (“Anthem”) and Anthem Merger Sub Corp. (“Merger Sub”), a direct wholly-owned subsidiary of Anthem.

The merger agreement provides (a) for the merger of the Company and Merger Sub, with the Company continuing as the surviving corporation and (b) if certain tax opinions are delivered, immediately following the completion of the initial merger, for the surviving corporation to be merged with and into Anthem, with Anthem continuing as the surviving corporation (collectively, the “merger”). Subject to certain terms, conditions, and customary operating covenants, each share of Cigna common stock issued and outstanding immediately prior to the effective time of the merger would be converted into the right to receive (a) \$103.40 in cash, without interest, and (b) 0.5152 of a share of Anthem common stock. The closing price of Anthem common stock on February 22, 2017 was \$163.27.

At special shareholders’ meetings held in December 2015, Cigna shareholders approved the merger and Anthem shareholders approved the issuance of shares of Anthem common stock in connection with the merger. Completing the merger remains subject to certain customary conditions, including the receipt of certain necessary governmental and regulatory approvals and the absence of a legal restraint prohibiting the merger. Completing the merger is not subject to a financing condition.

On July 21, 2016, the U.S. Department of Justice (“DOJ”) and certain state attorneys general filed a civil antitrust lawsuit in the U.S. District Court for the District of Columbia (the “District Court”) seeking to block the merger and, on January 4, 2017, the parties concluded the District Court trial.

On January 18, 2017, the Company received a written notice from Anthem seeking to extend the termination date of the merger agreement from January 31, 2017 to April 30, 2017.

On February 8, 2017, the District Court issued an order enjoining the proposed merger. Anthem filed a notice of appeal of the District Court’s order with the U.S. Court of Appeals for the District of Columbia Circuit (the “Appeals Court”) and requested an expedited appeal.

On February 14, 2017, the Company delivered a notice to Anthem terminating the merger agreement and filed suit in the Delaware Court of Chancery (the “Chancery Court”) seeking, among other things, declaratory judgment that Cigna’s termination of the merger agreement is lawful and that Anthem does not have the right to extend the merger agreement termination date. Later that day, Anthem filed a lawsuit in the Chancery Court against the Company seeking, among other things, a temporary restraining order to enjoin Cigna from terminating the merger agreement, specific performance and damages, and, on February 15, 2017, the Chancery Court issued an order temporarily enjoining the Company from terminating the merger agreement. This order will be subject to further review at a preliminary injunction hearing.

On February 17, 2017, the Appeals Court granted Anthem’s motion for an expedited appeal and set oral arguments for March 24, 2017. That same day, the Company filed its notice of appeal of the District Court’s order enjoining the merger with the Appeals Court.

The merger agreement contains customary covenants, including covenants that Cigna conduct its business in the ordinary course during the period between entering into the merger agreement and closing. In addition, Cigna’s ability to take certain actions prior to closing without Anthem’s consent is subject to certain limitations. These limitations relate to, among other matters, the payment of dividends, capital expenditures, the payment or retirement of indebtedness or the incurring of new indebtedness, settlement of material claims or proceedings, mergers or acquisitions, and certain employment-related matters.

The Company incurred pre-tax costs of \$166 million (\$147 million after-tax) for the year ended December 31, 2016, and \$66 million (\$57 million after-tax) for the year ended December 31, 2015 directly related to the proposed merger. These costs consisted primarily of fees for financial advisory, legal and other professional services. If the merger is consummated, most of the merger-related costs are not deductible for federal income tax purposes. If the merger is not consummated, most of these costs would become deductible for federal income tax purposes, resulting in a tax benefit of approximately \$50 million.



## Acquisitions

The Company completed certain acquisitions during the three years ended December 31, 2016 that were not material to the Company's results of operations, liquidity or financial condition. In accordance with GAAP, the purchase price for each acquisition was allocated to the tangible and intangible net assets acquired based on management's estimates of their fair values.

## NOTE 4 Earnings Per Share

**Accounting policy.** The Company computes basic earnings per share using the weighted-average number of unrestricted common and deferred shares outstanding. Diluted earnings per share also includes the dilutive effect of outstanding employee stock options and restricted stock using the treasury stock method and the effect of strategic performance shares.

Basic and diluted earnings per share were computed as follows:

(Shares in thousands, dollars in millions, except per share amounts)	2016			2015			2014		
	Basic	Effect of Dilution	Diluted	Basic	Effect of Dilution	Diluted	Basic	Effect of Dilution	Diluted
Shareholders' net income	\$ 1,867	\$ -	\$ 1,867	\$ 2,094	\$ -	\$ 2,094	\$ 2,102	\$ -	\$ 2,102
<b>Shares:</b>									
Weighted average	255,360	-	255,360	256,149	-	256,149	263,889	-	263,889
Common stock equivalents		4,287	4,287		4,443	4,443		4,714	4,714
Total shares	255,360	4,287	259,647	256,149	4,443	260,592	263,889	4,714	268,603
EPS	\$ 7.31	\$ (0.12)	\$ 7.19	\$ 8.17	\$ (0.13)	\$ 8.04	\$ 7.97	\$ (0.14)	\$ 7.83

The following outstanding employee stock options were not included in the computation of diluted earnings per share because their effect was anti-dilutive.

(In millions)	2016	2015	2014
Anti-dilutive options	2.3	0.4	1.0

## NOTE 5 Debt

The outstanding amounts of debt and capital leases for the years ended December 31 were as follows:

(In millions)	2016	2015
<b>Short-term:</b>		
Commercial paper	\$ -	\$ 100
Current maturities of long-term debt	250	-
Other, including capital leases	26	49
Total short-term debt	\$ 276	\$ 149
<b>Long-term:</b>		
Uncollateralized debt:		
\$250 million, 5.375% Notes due 2017	\$ -	\$ 249
\$131 million, 6.35% Notes due 2018	131	131
\$250 million, 4.375% Notes due 2020 <sup>(1)</sup>	252	254
\$300 million, 5.125% Notes due 2020 <sup>(1)</sup>	301	303
\$78 million, 6.37% Notes due 2021	78	78
\$300 million, 4.5% Notes due 2021 <sup>(1)</sup>	302	304
\$750 million, 4% Notes due 2022	744	743
\$100 million, 7.65% Notes due 2023	100	100
\$17 million, 8.3% Notes due 2023	17	17
\$900 million, 3.25% Notes due 2025	893	892
\$300 million, 7.875% Debentures due 2027	299	299
\$83 million, 8.3% Step Down Notes due 2033	82	82
\$500 million, 6.15% Notes due 2036	498	498
\$300 million, 5.875% Notes due 2041	296	295
\$750 million, 5.375% Notes due 2042	743	743
Other, including capital leases	20	32
Total long-term debt	\$ 4,756	\$ 5,020

<sup>(1)</sup> The Company has entered into interest rate swap contracts hedging a portion of these fixed-rate debt instruments. See Note 12 for further information about the Company's interest rate risk management and these derivative instruments.

The Company has a five-year revolving credit and letter of credit agreement for \$1.5 billion that permits up to \$500 million to be used for letters of credit. This agreement extends through December 2019 and is diversified among 16 banks with three banks each having 12% of the commitment and the remainder spread among 13 banks. The credit agreement includes options to increase the commitment amount to \$2 billion and to extend the term past December 2019, subject to consent by the administrative agent and the committing banks. The credit agreement is available for general corporate purposes including for the issuance of letters of credit. The credit agreement contains customary covenants and restrictions, including a financial covenant that the Company may not permit its leverage ratio - that is total consolidated debt

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to total consolidated capitalization (each as defined in the credit agreement) - to exceed 0.50. The leverage ratio excludes the following items that are included in accumulated other comprehensive loss on the Company's Consolidated Balance Sheets: net unrealized appreciation in fixed maturities and the portion of the post-retirement benefits liability adjustment attributable to pension. The Company was in compliance with its debt covenants as of December 31, 2016.

The Company had \$9.7 billion of borrowing capacity within the maximum debt coverage covenant in the letter of credit agreement, in addition to the \$5 billion of debt outstanding as of December 31, 2016. This additional borrowing capacity includes the \$1.5 billion available under the credit agreement. Letters of credit outstanding as of December 31, 2016 totaled \$14 million.

On March 11, 2015, the Company issued \$900 million of 10-Year Notes due April 15, 2025 at a stated interest rate of 3.25% (\$892 million, net of discount and issuance costs, with an effective annual interest rate of 3.36%). Interest is payable on April 15 and October 15 of each year beginning October 15, 2015. The proceeds of this debt were used to repay debt maturing in 2016 and in 2019 as described below.

The Company may redeem these Notes, at any time, in whole or in part, at a redemption price equal to the greater of:

- 100% of the principal amount of the Notes to be redeemed; or
- the present value of the remaining principal and interest payments on the Notes being redeemed discounted at the applicable Treasury rate plus 17.5 basis points.

The following debt transactions occurred in April 2015:

- The Company redeemed its 2.75% Notes due 2016, including accrued interest from November 15, 2014 through the settlement date of April 13, 2015. The redemption price equaled the present value of the remaining principal and interest payments on the Notes being redeemed, discounted at a rate equal to the 10-year Treasury Rate plus a fixed spread of 30 basis points. The Company paid \$626 million including accrued interest and expenses, resulting in a pre-tax loss on early debt extinguishment of \$21 million (\$14 million after-tax) that was recognized in the second quarter of 2015.
- The Company redeemed its 8.50% Notes due 2019, including accrued interest from November 1, 2014 through the settlement date of April 13, 2015. The redemption price equaled the present value of the remaining principal and interest payments on the Notes being redeemed, discounted at a rate equal to the 10-year Treasury Rate plus a fixed spread of 50 basis points. The Company paid \$329 million including accrued interest and expenses, resulting in a pre-tax loss on early debt extinguishment of \$79 million (\$51 million after-tax) that was recognized in the second quarter of 2015.

Maturities of long-term debt and capital leases are as follows:

(In millions)	Scheduled Maturities	
	Long-term Debt <sup>(1)</sup>	Capital Leases
2017	\$ 255	\$ 21
2018	\$ 131	\$ 10
2019	\$ -	\$ 10
2020	\$ 549	\$ -
2021	\$ 378	\$ -
Maturities after 2021	\$ 3,694	\$ -

(1) Long-term debt maturity amounts exclude capital leases.

Interest expense on long-term and short-term debt was \$251 million in 2016, \$252 million in 2015, and \$265 million in 2014. The 2015 expense excludes losses on the early extinguishment of debt.

## NOTE 6 Common and Preferred Stock

As of December 31, the Company had issued the following shares:

(Shares in thousands)	2016	2015	2014
<b>Common: Par value \$0.25; 600,000 shares authorized</b>			
Outstanding - January 1,	256,544	259,276	275,526
Issued for stock option and other benefit plans	1,110	2,751	2,284
Repurchased common stock	(785)	(5,483)	(18,534)
Outstanding - December 31,	256,869	256,544	259,276
Treasury stock	39,276	39,601	36,869
Issued - December 31,	296,145	296,145	296,145

The Company maintains a share repurchase program authorized by its Board of Directors. Under this program, the Company may repurchase shares from time to time. The timing and actual number of shares repurchased will depend on a variety of factors, including price, general business and market conditions, and alternate uses of capital. The share repurchase program may be effected through open market purchases or privately negotiated transactions in compliance with Rule 10b-18 under the Securities Exchange Act of 1934, as amended, including through Rule 10b5-1 trading plans. The program may be suspended or discontinued at any time.

In 2014, the Company retired 70 million shares of treasury stock. This transaction had no effect on total shareholders' equity.

The Company has authorized a total of 25 million shares of \$1 par value preferred stock. No shares of preferred stock were outstanding at December 31, 2016, 2015 or 2014.

## NOTE 7 Global Health Care Medical Costs Payable

**Accounting policy.** The Company uses actuarial principles and assumptions that are consistently applied each reporting period and recognizes the actuarial best estimate of the ultimate liability along with a margin for adverse deviation. This approach is consistent with actuarial standards of practice that the liabilities be adequate under moderately adverse conditions.

This liability is primarily calculated using “completion factors” developed by comparing the claim incurral date to the date claims were paid. Completion factors are impacted by several key items including changes in: 1) electronic (auto-adjudication) versus manual claim processing, 2) provider claims submission rates, 3) membership and 4) the mix of products. The Company uses historical completion factors combined with an analysis of current trends and operational factors to develop current estimates of completion factors. The Company estimates the liability for claims incurred in each month by applying the current estimates of completion factors to the current paid claims data. This approach implicitly assumes that historical completion rates will be a useful indicator for the current period.

For more recent months, the Company relies more heavily on medical cost trend analysis that reflects expected claim payment patterns and other relevant operational considerations. Medical cost trend is primarily impacted by medical service utilization and unit costs that are affected by changes in the level and mix of medical benefits offered, including inpatient, outpatient and pharmacy, the impact of copays and deductibles, changes in provider practices and changes in consumer demographics and consumption behavior.

For each reporting period, the Company compares key assumptions used to establish the medical costs payable to actual experience. When actual experience differs from these assumptions, medical costs payable are adjusted through current period shareholders' net income. Additionally, the Company evaluates expected future developments and emerging trends that may impact key assumptions. The process used to determine this liability requires the Company to make critical accounting estimates that involve considerable judgment, reflecting the variability inherent in forecasting future claim payments. These estimates are highly sensitive to changes in the Company's key assumptions, specifically completion factors and medical cost trends.

**Liability balance details.** The liability for Global Health Care medical costs payable as of December 31 is comprised of the following:

<i>(In millions)</i>	2016	2015
Incurring but not reported	\$ 1,858	\$ 1,757
Reported claims in process	556	470
Physician incentives and other medical care expense and services payable	118	128
Medical costs payable	\$ 2,532	\$ 2,355

Activity in medical costs payable was as follows:

<i>(In millions)</i>	2016	2015	2014
Balance at January 1,	\$ 2,355	\$ 2,180	\$ 2,050
Less: Reinsurance and other amounts recoverable	243	252	194
Balance at January 1, net	2,112	1,928	1,856
<b>Incurred costs related to:</b>			
Current year	19,087	18,564	16,853
Prior years	(78)	(210)	(159)
Total incurred	19,009	18,354	16,694
<b>Paid costs related to:</b>			
Current year	17,052	16,588	14,966
Prior years	1,812	1,582	1,656
Total paid	18,864	18,170	16,622
Balance at December 31, net	2,257	2,112	1,928
Add: Reinsurance and other amounts recoverable	275	243	252
Balance at December 31,	\$ 2,532	\$ 2,355	\$ 2,180

Reinsurance and other amounts recoverable reflect amounts due from reinsurers and policyholders to cover incurred but not reported and pending claims for certain business where the Company administers the plan benefits but the right of offset does not exist. See Note 9 for additional information on reinsurance.

For the years ended December 31, variances in incurred costs related to prior years' medical costs payable that resulted from the differences between actual experience and the Company's key assumptions were as follows:

<i>(\$ in millions)</i>	2016		2015	
	\$	% <sup>(1)</sup>	\$	% <sup>(2)</sup>
Actual completion factors	\$ 59	0.3%	\$ 62	0.4%
Medical cost trend	27	0.1%	115	0.7%
Other <sup>(3)</sup>	(8)	0.0%	33	0.2%
Total favorable (unfavorable) variance	\$ 78	0.4%	\$ 210	1.3%

(1) Percentage of current year incurred costs as reported for 2015.

(2) Percentage of current year incurred costs as reported for 2014.

(3) In 2015, the other balance primarily relates to an increase in the 2014 reinsurance reimbursement rate from CMS under the Health Care Reform Act.

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Incurred costs related to prior years in the table above, although adjusted through shareholders' net income, do not directly correspond to an increase or decrease to shareholders' net income. The primary reason for this difference is that decreases to prior year incurred costs pertaining to the portion of the liability established for moderately adverse conditions are not considered as impacting shareholders' net income if they are offset by increases in the current year provision for moderately adverse conditions.

The net impact of prior year development on shareholders' net income was not significant for the year ended December 31, 2016 compared with a \$60 million increase for the year ended December 31, 2015. Favorable prior year development implies primarily lower than expected utilization of medical services and vice versa while amounts close to zero imply utilization of medical services that are consistent with expectations.

The table below depicts the incurred and paid claims development as of December 31, 2016 (net of reinsurance), claims frequency metrics and incurred but not reported liabilities for Cigna's Global Health Care medical costs payable. The information about incurred and paid claims development for the year ended December 31, 2015 is presented as supplementary information and is unaudited.

(\$ in millions, except for claims frequency) Incurred Year	Incurred Costs		Medical Costs Payable	Claims Frequency
	2015 (Unaudited)	2016		
2015	\$ 18,564	\$ 18,487	\$ 182	2.5 million
2016		19,087	\$ 2,035	2.9 million
Cumulative incurred costs for the periods presented		\$ 37,574		

Incurred Year	Cumulative Paid Costs	
	2015 (Unaudited)	2016
2015	\$ 16,588	\$ 18,305
2016		17,052
Cumulative paid costs for the periods presented		\$ 35,357
Outstanding liabilities prior to 2015		40
Net outstanding liabilities for Global Health Care medical costs payable		2,257
Reinsurance and other amounts recoverable		275
Total liability for Global Health Care medical costs payable		\$ 2,532

More than 95% of health claims for an accident year are paid within one year of their incurred date.

There is no single or common claim frequency metric used in the health care industry. The Company believes a relevant metric for the Global Health Care segment is the number of customers for whom an insured medical claim was paid. This metric will generally be consistent and comparable over time.

## **NOTE 8 Liabilities for Unpaid Claims and Claim Expenses**

As discussed in Note 2, the Company is newly required by ASU 2015-09 to present additional information about its claim estimates related to short-duration insurance contracts. The following information relates to the Company's unpaid claims and claim expense liabilities.

**Accounting policy.** Liabilities for unpaid claims and claim expenses are established by book of business within the Company's Group Disability and Life, Global Supplemental Benefits and Other Operations segments. The Group Disability and Life segment's liability for unpaid claims and claim expenses consists of the following primary products: long-term and short-term disability, life insurance, and accident coverages. Unpaid claims and claim expenses consist of (1) case or claims reserves for known claims that are unpaid as of the balance sheet date; (2) incurred but not reported reserves for claims when the insured event has occurred but has not been reported to the Company; and (3) loss adjustment expense reserves for the expected costs of settling these claims. The Company consistently estimates incurred but not yet reported losses using actuarial principles and assumptions based on historical and projected claim incidence patterns, claim size and the expected payment period. The Company recognizes the actuarial best estimate of the ultimate liability within a level of confidence, consistent with actuarial standards of practice that the liabilities be adequate under moderately adverse conditions. When estimates of these liabilities change, the Company immediately records the adjustment in benefits and expenses.

The Company's liability for disability claims reported but not yet paid is the present value of estimated future benefit payments over the expected disability period. The Company projects the expected disability period by using historical resolution rates combined with an analysis of current trends and operational factors to develop current estimates of resolution rates. Using the Company's experience, expected claim resolution rates may vary based upon the anticipated disability period, the covered benefit period, the cause of disability, the benefit design and the claimant's age, gender and income level. The gross monthly benefit is reduced (offset) by disability income received under other benefit programs, most commonly Social Security Disability Income, workers' compensation, statutory disability or other group benefit plans. For certain offsets not yet finalized, the Company estimates the probability and amount of future offset awards and lapses based on the Company's experience.

**Liability balance details.** The liability for unpaid claims and claim expenses by segment as of December 31 is as follows:

<i>(In millions)</i>	2016	2015
Group Disability and Life	\$ 4,342	\$ 4,006
Global Supplemental Benefits	384	353
Other Operations	191	215
Unpaid claims and claim expenses	\$ 4,917	\$ 4,574

The Company discounts certain liabilities, predominantly long-term disability, because benefits payments are made over extended periods. Discount rate assumptions for these liabilities are based on projected investment returns for the supporting asset portfolios. Details of the Company's unpaid claim discounted liability balances as of December 31 were as follows:

<i>(In billions)</i>	2016	2015
Discounted liabilities	\$ 3.9	\$ 3.7
Aggregate amount of discount	\$ 1.1	\$ 1.0
Range of discount rates	3.3% - 5.8%	3.5% - 5.7%

Interest is accreted and recognized in other benefit expenses in the Consolidated Statements of Income.

Activity in the Company's Group Disability and Life and the Global Supplemental Benefits segments' liabilities for unpaid claims and claim expenses are presented in the following table. Liabilities associated with the Company's Other Operations segment are excluded because they pertain to obligations for long-duration insurance contracts or, if short-duration, the liabilities have been fully reinsured.

<i>(In millions)</i>	2016	2015	2014
Balance at January 1,	\$ 4,359	\$ 4,178	\$ 4,038
Less: Reinsurance	115	104	99
Balance at January 1, net	4,244	4,074	3,939
<b>Incurred claims related to:</b>			
Current year	4,258	3,813	3,512
<b>Prior years:</b>			
Interest accretion	161	163	149
All other incurred	93	(91)	(165)
Total incurred	4,512	3,885	3,496
<b>Paid claims related to:</b>			
Current year	2,575	2,325	2,078
Prior years	1,560	1,382	1,271
Total paid	4,135	3,707	3,349
Acquisitions	-	11	-
Foreign currency	(16)	(19)	(12)
Balance at December 31, net	4,605	4,244	4,074
Add: Reinsurance	121	115	104
Balance at December 31,	\$ 4,726	\$ 4,359	\$ 4,178

Reinsurance in the table above reflect amounts due from reinsurers related to unpaid claims liabilities. The Company's insurance subsidiaries enter into agreements with other companies primarily to limit losses from large exposures and to permit recovery of a portion of incurred losses. See Note 9 for additional information on reinsurance.

The majority of the liability for unpaid claims and claim expenses is related to disability claims with long-tailed payouts. Interest earned on assets backing these liabilities is an integral part of pricing and reserving. Therefore, interest accreted on prior year balances is shown as a separate component of prior year incurred claims. This interest is calculated by applying the average discount rate used in determining the liability balance to the average liability balance over the period. The remaining prior year incurred claims amount primarily reflects updates to the Company's liability estimates and variances between actual experience during the period relative to the assumptions and expectations reflected in determining the liability. Assumptions reflect the Company's expectations over the life of the book of business and will vary from actual experience in any period, both favorably and unfavorably, with variation in resolution rates being the most significant driver for the long-term disability business. Prior year incurred claims reported in 2016 included the impact of modifications made to our disability claims management process and a period of elevated life claims.

**Long-Term Disability Development Tables.** The table below presents information about incurred and paid claims development as of December 31, 2016 (net of reinsurance) cumulative claim frequency and total incurred but not reported liabilities for the Company's long-term disability book of business. The information about incurred and paid claims development for the years ended December 31, 2012 through 2015, is presented as supplementary information and is unaudited. As permitted under the standard in the initial year of adoption, the Company

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presented development table information for five years because obtaining information beyond this period was impracticable as historical data was not maintained in such detail at this level.

(In millions, except for claims frequency)

Accident Year	Incurred Claims (undiscounted)					2016	Incurred But Not Reported Liabilities	Claims Frequency
	2012 (Unaudited)	2013 (Unaudited)	2014 (Unaudited)	2015 (Unaudited)	2016			
2012	\$ 995	\$ 951	\$ 889	\$ 876	\$ 883	\$ -	21,170	
2013		1,063	1,037	1,062	1,072	-	23,493	
2014			1,158	1,129	1,167	3	25,175	
2015				1,184	1,154	17	25,133	
2016					1,246	524	13,734	
Cumulative incurred claims for the periods presented					\$ 5,522			

Accident Year	Cumulative Paid Claims					2016
	2012 (Unaudited)	2013 (Unaudited)	2014 (Unaudited)	2015 (Unaudited)	2016	
2012	\$ 81	\$ 288	\$ 429	\$ 504	\$ 571	
2013		92	342	503	600	
2014			111	379	575	
2015				114	417	
2016					122	
Cumulative paid claims for the periods presented						2,285
All outstanding liabilities prior to 2012, net of reinsurance						1,361
Impact of discounting						(976)
Liability for long-term disability unpaid claims and claim expenses, net of reinsurance						\$ 3,622

The claims frequency metric used for the Company's long-term disability line of business represents the number of unique claim events for which benefits have been approved and payments made. Claim events are identified using a unique claimant identifier and incurral date. Thus, if an individual has multiple claims for different disabling events (and therefore different incurral dates), each will be determined to be a unique claim event. However, if an individual receives multiple benefits under more than one policy (for example for supplemental disability benefits such as pension contribution benefits or survivor benefits), the Company treats this as a single claim occurrence because they related to the same claim event. Claims frequency metrics for the most recent year are expected to be low, reflecting the long-term disability product features including waiting and elimination periods that result in delayed eligibility for contract benefits.

The following is supplementary and unaudited information about average historical claims payout patterns for the long-term disability business for the years presented in the development table as of December 31, 2016. The average annual percentage payout of incurred claims, net of reinsurance, is approximately 9% in year one, 24% in year two, 16% in year three, 9% in year four and 8% in year five.

The following reconciles the long-term disability net incurred and paid claims development table to the liability for unpaid claims and claim expenses in the Company's Consolidated Balance Sheets as of December 31, 2016.

(In millions)

<b>Net outstanding liabilities – Group Disability and Life segment</b>		
Long-term disability liabilities, net of reinsurance		\$ 3,622
Other short-duration insurance books of business, net of reinsurance		620
Liabilities for unpaid claims and claim expenses, net of reinsurance		4,242
<b>Reinsurance recoverable on unpaid claims – Group Disability and Life segment</b>		
Long-term disability		86
Other short-duration insurance books of business		14
Total reinsurance recoverable on unpaid claims		100
Total liability for unpaid claims and claim expenses – Group Disability and Life segment		4,342
Global Supplemental Benefits segment		384
Other Operations segment		191
Total liability for unpaid claims and claim expenses		\$ 4,917

The other short-duration insurance books of business, net of reinsurance, primarily include liabilities for life, accident and short-term disability insurance products. Liabilities for these products are typically complete within one year. Claim development on these liabilities is largely driven by completion factors and loss ratio assumptions. In 2016, development on these liabilities was driven by a period of elevated life claims.

## NOTE 9 Reinsurance

The Company's insurance subsidiaries enter into agreements with other insurance companies to assume and cede reinsurance. Reinsurance is ceded primarily to limit losses from large exposures and to permit recovery of a portion of direct or assumed losses. Reinsurance is also used in acquisition and disposition transactions when the underwriting company is not being acquired. Reinsurance does not relieve the originating



insurer of liability. Therefore, reinsured liabilities must continue to be reported along with the related reinsurance recoverables. The Company regularly evaluates the financial condition of its reinsurers and monitors concentrations of its credit risk.

### Reinsurance Recoverables

The majority of the Company's reinsurance recoverables resulted from acquisition and disposition transactions in which the underwriting company was not acquired. Components of the Company's reinsurance recoverables are presented below:

<i>(In millions)</i>		December 31,	December 31,	Collateral and Other Terms at December 31, 2016
Line of Business	Reinsurer(s)	2016	2015	
<b>Ongoing operations:</b>				
Global Health Care, Global Supplemental Benefits, Group Disability and Life	Various	\$ 478	\$ 553	Recoverables from approximately 80 reinsurers, including the U.S. Government, used in the ordinary course of business. Current balances range from less than \$1 million up to \$96 million. Excluding the recoverable from the U.S. Government of \$63 million, 13% is secured by assets in trusts or letters of credit.
Total recoverables related to ongoing operations		478	553	
<b>Acquisition, disposition or runoff activities:</b>				
Individual Life and Annuity (sold in 1998)	Lincoln National Life and Lincoln Life & Annuity of New York	3,586	3,705	Both companies' ratings were sufficient to avoid triggering a contractual obligation to fully secure the outstanding balance.
GMDB (effectively exited in 2013)	Berkshire Other	1,085 44	1,123 41	100% secured by assets in a trust. 100% secured by assets in a trust or letters of credit.
Retirement Benefits Business (sold in 2004)	Prudential Retirement Insurance and Annuity	921	995	100% secured by assets in a trust.
Supplemental Benefits Business (2012 acquisition)	Great American Life	297	315	99% secured by assets in a trust.
Other run-off reinsurance	Various	67	81	99% secured by assets in a trust or other deposits.
Total recoverables related to acquisition, disposition or runoff activities		6,000	6,260	
Total reinsurance recoverables		\$ 6,478	\$ 6,813	

The Company bears the risk of loss if its reinsurers and retrocessionaires do not meet or are unable to meet their reinsurance obligations to the Company. Over 90% of the Company's reinsurance recoverables were from companies rated A or higher by Standard & Poors at December 31, 2016. The Company reviews its reinsurance arrangements and establishes reserves against the recoverables if recovery is not considered probable. As of December 31, 2016 and December 31, 2015, the Company's recoverables were net of a reserve of \$3 million.

### Effects of Reinsurance

The following table presents direct, assumed and ceded premiums for both short-duration and long-duration insurance contracts. It also presents reinsurance recoveries that have been netted against benefits and expenses in the Company's Consolidated Statements of Income.

<i>(In millions)</i>	2016	2015	2014
<b>Premiums</b>			
<b>Short-duration contracts:</b>			
Direct	\$ 27,496	\$ 26,751	\$ 24,294
Assumed	247	289	429
Ceded	(229)	(254)	(226)
Total short-duration contract premiums	27,514	26,786	24,497
<b>Long-duration contracts:</b>			
Direct	3,259	3,061	2,921
Assumed	137	111	173
<b>Ceded:</b>			
Individual life insurance and annuity business sold	(153)	(158)	(254)
Other	(131)	(158)	(123)
Total long-duration contract premiums	3,112	2,856	2,717
Total premiums	\$ 30,626	\$ 29,642	\$ 27,214
<b>Reinsurance recoveries</b>			
Individual life insurance and annuity business sold	\$ 279	\$ 301	\$ 366
Other	261	436	292
Total reinsurance recoveries	\$ 540	\$ 737	\$ 658

The effects of reinsurance on written premiums for short-duration contracts were not materially different from the recognized premium amounts shown in the table above.

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ITEM 8. Financial Statements and Supplementary Data

**Effective Exit of GMDB and GMIB Business**

In 2013, the Company entered into an agreement with Berkshire to effectively exit the GMDB and GMIB business via a reinsurance transaction for a payment of \$2.2 billion. Berkshire reinsured 100% of the Company's future claim payments in this business, net of retrocessional arrangements existing at that time. The reinsurance agreement is subject to an overall limit with approximately \$3.5 billion remaining at December 31, 2016.

A discussion of each of these businesses follows. While GMDB is accounted for as reinsurance, GMIB assets and liabilities are reported as derivatives at fair value as discussed below. Accordingly, GMIB assets are reported in other assets, including intangibles, and GMIB liabilities are reported in accounts payable, accrued expenses and other liabilities.

**GMDB**

The majority of the GMDB exposure arises under annuities written by ceding companies that guarantee the benefit received at death will be no less than the highest historical account value of the related mutual fund investments on a contractholder's anniversary date. Under this type of death benefit, the Company's exposure arises when the highest anniversary account value exceeds the fair value of the related mutual fund investments at the time of a contractholder's death.

**Accounting policy.** The Company estimates the gross liability and reinsurance recoverable with an internal model based on the Company's experience and future expectations over an extended period, consistent with the long-term nature of this product. As a result of the reinsurance transaction, reserve increases have a corresponding increase in the recorded reinsurance recoverable, provided the increased recoverable remains within the overall Berkshire limit (including the GMIB asset presented below). The ending net retained reserve covers ongoing administrative expenses, as well as minor claim exposure retained by the Company.

Because the product is premium deficient, the Company records an increase to the net retained reserve if it is inadequate based on the model.

Activity in future policy benefit reserves for the GMDB business was as follows:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Balance at January 1,	\$ 1,252	\$ 1,270	\$ 1,396
Add: Unpaid claims	18	16	18
Less: Reinsurance and other amounts recoverable	1,164	1,186	1,317
Balance at January 1, net	106	100	97
Add: Incurred benefits	4	3	3
Less: Paid benefits / (recoveries)	(1)	(3)	-
Ending balance, net	111	106	100
Less: Unpaid claims	16	18	16
Add: Reinsurance and other amounts recoverable	1,129	1,164	1,186
Balance at December 31,	\$ 1,224	\$ 1,252	\$ 1,270

Benefits paid and incurred are net of ceded amounts.

The table below presents the account value, net amount at risk and average attained age of underlying contractholders for guarantees assumed by the Company in the event of death. The net amount at risk is the amount that the Company would have to pay if all contractholders died as of the specified date. Unless the Berkshire reinsurance limit is exceeded, the Company should be reimbursed in full for these payments.

<i>(Dollars in millions, excludes impact of reinsurance ceded)</i>	2016	2015
Account value	\$ 10,650	\$ 11,355
Net amount at risk	\$ 2,458	\$ 2,870
Average attained age of contractholders (weighted by exposure)	75	74
Number of contractholders	285,000	324,000

## GMIB

In this business, the Company reinsured contracts with issuers of GMIB products. The Company's exposure represents the excess of a contractually guaranteed amount over the level of variable annuity account values. Payment by the Company depends on the actual account value in the underlying mutual funds and the level of interest rates when the contractholders elect to receive minimum income payments that must occur within 30 days of a policy anniversary after the appropriate waiting period. The Company has purchased retrocessional coverage ("GMIB assets") for these contracts.

**Accounting policy.** The Company reports GMIB liabilities and assets as derivatives at fair value because cash flows of these liabilities and assets are affected by equity markets and interest rates, but are without significant life insurance risk and are settled in lump sum payments. Periodically, the Company receives and pays fees based on either contractholders' account values or deposits increased at a contractual rate. The Company will also pay and receive cash depending on changes in account values and interest rates when contractholders first elect to receive minimum income payments. Cash flows on these contracts are reported in operating activities.

As of December 31, 2016, there were three reinsurers for GMIB as follows:

<i>(In millions)</i>		December 31, 2016	December 31, 2015	Collateral and Other Terms at December 31, 2016
<b>Line of Business</b>	<b>Reinsurer(s)</b>			
GMIB	Berkshire	\$ 370	\$ 420	100% were secured by assets in a trust.
	Sun Life Assurance Company of Canada	227	257	
	Liberty Re (Bermuda) Ltd.	202	230	100% were secured by assets in a trust.
Total GMIB recoverables reported in other assets		\$ 799	\$ 907	

**Assumptions used in fair value measurement.** The Company estimates the fair value of the assets and liabilities for GMIB contracts by calculating the results for many scenarios run through a model utilizing various assumptions. The only assumption expected to impact future shareholders' net income is non-performance risk. The non-performance risk adjustment reflects a market participant's view of nonpayment risk by adding an additional spread to the discount rate in the calculation of both (a) the GMIB liabilities to be paid by the Company, and (b) the GMIB assets to be paid by the reinsurers, after considering collateral.

Other assumptions that affect GMIB assets and liabilities include capital market assumptions (including market returns, interest rates and market volatilities of the underlying equity and bond mutual fund investments) and future annuitant behavior (including mortality, lapse, and annuity election rates). As certain assumptions used to estimate fair values for these contracts are largely unobservable (primarily related to future annuitant behavior), the Company classifies GMIB assets and liabilities in Level 3 in the fair value hierarchy presented in Note 10.

The Company regularly evaluates each of the assumptions used in establishing these assets and liabilities. Significant decreases in assumed lapse rates or spreads used to calculate non-performance risk of the Company, or significant increases in assumed annuity election rates or spreads used to calculate the non-performance risk of the reinsurers, would result in higher fair value measurements. A change in one of these assumptions is not necessarily accompanied by a change in another assumption.

**GMIB guarantees.** Future payments are not fixed and determinable under the terms of these contracts. Accordingly, the Company calculated exposure, without considering any reinsurance coverage, using the following hypothetical assumptions:

- no annuitants surrendered their accounts;
- all annuitants lived to elect their benefit;
- all annuitants elected to receive their benefit on the next available date (2017 through 2021); and
- all underlying mutual fund investment values remained at the December 31, 2016 value of \$810 million with no future returns.

The Company has reinsurance coverage in place that covers the exposures on these contracts. Using these hypothetical assumptions, GMIB exposure is \$703 million, which is lower than the recorded liability for GMIB calculated using fair value assumptions.

## NOTE 10 Fair Value Measurements

The Company carries certain financial instruments at fair value in the financial statements including fixed maturities, equity securities, short-term investments and derivatives. Other financial instruments are measured at fair value only under certain conditions, such as when impaired.

Fair value is defined as the price at which an asset could be exchanged in an orderly transaction between market participants at the balance sheet date. A liability's fair value is defined as the amount that would be paid to transfer the liability to a market participant, not the amount that would be paid to settle the liability with the creditor.

The Company's financial assets and liabilities carried at fair value have been classified based upon a hierarchy defined by GAAP. The hierarchy gives the highest ranking to fair values determined using unadjusted quoted prices in active markets for identical assets and liabilities (Level 1) and the lowest ranking to fair values determined using methodologies and models with unobservable inputs (Level 3). An asset's or a liability's classification is based on the lowest level of input that is significant to its measurement. For example, a financial asset or liability carried at fair value would be classified in Level 3 if unobservable inputs were significant to the instrument's fair value, even though the measurement may be derived using inputs that are both observable (Levels 1 and 2) and unobservable (Level 3).

The Company estimates fair values using prices from third parties or internal pricing methods. Fair value estimates received from third-party pricing services are based on reported trade activity and quoted market prices when available, and other market information that a market participant may use to estimate fair value. The internal pricing methods are performed by the Company's investment professionals and generally involve using discounted cash flow analyses, incorporating current market inputs for similar financial instruments with comparable terms and credit quality, as well as other qualitative factors. In instances where there is little or no market activity for the same or similar instruments, fair value is estimated using methods, models and assumptions that the Company believes a hypothetical market participant would use to determine a current transaction price. These valuation techniques involve some level of estimation and judgment that becomes significant with increasingly complex instruments or pricing models.

The Company is responsible for determining fair value, as well as for assigning the appropriate level within the fair value hierarchy, based on the significance of unobservable inputs. The Company reviews methodologies, processes and controls of third-party pricing services and compares prices on a test basis to those obtained from other external pricing sources or internal estimates. The Company performs ongoing analyses of both prices received from third-party pricing services and those developed internally to determine that they represent appropriate estimates of fair value. The controls executed by the Company include evaluating changes in prices and monitoring for potentially stale valuations. The Company also performs sample testing of sales values to confirm the accuracy of prior fair value estimates. The minimal exceptions identified during these processes indicate that adjustments to prices are infrequent and do not significantly impact valuations. Annually, we conduct an on-site visit of the most significant pricing service to review their processes, methodologies and controls. This on-site review includes a walk-through of inputs of a sample of securities held across various asset types to validate the documented pricing process.

### A. Financial Assets and Financial Liabilities Carried at Fair Value

The following tables provide information as of December 31, 2016 and 2015 about the Company's financial assets and liabilities carried at fair value. Separate account assets that are also recorded at fair value on the Company's Consolidated Balance Sheets are reported separately under the heading separate account assets as gains and losses related to these assets generally accrue directly to policyholders.

#### December 31, 2016

<i>(In millions)</i>	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
<b>Financial assets at fair value:</b>				
<b>Fixed maturities:</b>				
Federal government and agency	\$ 374	\$ 503	\$ -	\$ 877
State and local government	-	1,435	-	1,435
Foreign government	-	2,066	47	2,113
Corporate	-	15,552	498	16,050
Mortgage and other asset-backed	-	329	157	486
Total fixed maturities <sup>(1)</sup>	374	19,885	702	20,961
Equity securities	396	113	74	583
Subtotal	770	19,998	776	21,544
Short-term investments	-	691	-	691
GMIB assets	-	-	799	799
Other derivative assets	-	10	-	10
Total financial assets at fair value, excluding separate accounts	\$ 770	\$ 20,699	\$ 1,575	\$ 23,044
GMIB liabilities	\$ -	\$ -	\$ 780	\$ 780
Other derivative liabilities	-	5	-	5
Total financial liabilities at fair value	\$ -	\$ 5	\$ 780	\$ 785

(1) Fixed maturities included \$524 million of net appreciation required to adjust future policy benefits for the run-off settlement annuity business including \$14 million of appreciation for securities classified in Level 3. See Note 11A for additional information.

December 31, 2015

<i>(In millions)</i>	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
<b>Financial assets at fair value:</b>				
<b>Fixed maturities:</b>				
Federal government and agency	\$ 251	\$ 528	\$ -	\$ 779
State and local government	-	1,641	-	1,641
Foreign government	-	2,010	4	2,014
Corporate	-	14,122	326	14,448
Mortgage and other asset-backed	-	246	327	573
Total fixed maturities <sup>(1)</sup>	251	18,547	657	19,455
Equity securities	32	89	69	190
Subtotal	283	18,636	726	19,645
Short-term investments	-	381	-	381
GMIB assets	-	-	907	907
Other derivative assets	-	16	-	16
Total financial assets at fair value, excluding separate accounts	\$ 283	\$ 19,033	\$ 1,633	\$ 20,949
GMIB liabilities	\$ -	\$ -	\$ 885	\$ 885
Total financial liabilities at fair value	\$ -	\$ -	\$ 885	\$ 885

(1) Fixed maturities included \$483 million of net appreciation required to adjust future policy benefits for the run-off settlement annuity business including \$30 million of appreciation for securities classified in Level 3. See Note 11A for additional information.

### Level 1 Financial Assets

Inputs for instruments classified in Level 1 include unadjusted quoted prices for identical assets in active markets accessible at the measurement date. Active markets provide pricing data for trades occurring at least weekly and include exchanges and dealer markets.

Assets in Level 1 include actively-traded U.S. government bonds and exchange-listed equity securities. Given the narrow definition of Level 1 and the Company's investment asset strategy to maximize investment returns, a relatively small portion of the Company's investment assets are classified in this category.

### Level 2 Financial Assets and Financial Liabilities

Inputs for instruments classified in Level 2 include quoted prices for similar assets or liabilities in active markets, quoted prices from those willing to trade in markets that are not active, or other inputs that are market observable or can be corroborated by market data for the term of the instrument. Such other inputs include market interest rates and volatilities, spreads and yield curves. An instrument is classified in Level 2 if the Company determines that unobservable inputs are insignificant.

**Fixed maturities and equity securities.** Approximately 93% of the Company's investments in fixed maturities and equity securities are classified in Level 2 including most public and private corporate debt and equity securities, federal agency and municipal bonds, non-government mortgage-backed securities and preferred stocks. Because many fixed maturities do not trade daily, third-party pricing services and internal methods often use recent trades of securities with similar features and characteristics. When recent trades are not available, pricing models are used to determine these prices. These models calculate fair values by discounting future cash flows at estimated market interest rates. Such market rates are derived by calculating the appropriate spreads over comparable U.S. Treasury securities, based on the credit quality, industry and structure of the asset. Typical inputs and assumptions to pricing models include, but are not limited to, a combination of benchmark yields, reported trades, issuer spreads, liquidity, benchmark securities, bids, offers, reference data, and industry and economic events. For mortgage-backed securities, inputs and assumptions may also include characteristics of the issuer, collateral attributes, prepayment speeds and credit rating.

Nearly all of these instruments are valued using recent trades or pricing models. Less than 1% of the fair value of investments classified in Level 2 represents foreign bonds that are valued using a single unadjusted market-observable input derived by averaging multiple broker-dealer quotes, consistent with local market practice.

**Short-term investments** are carried at fair value that approximates cost. On a regular basis, the Company compares market prices for these securities to recorded amounts to validate that current carrying amounts approximate exit prices. The short-term nature of the investments and corroboration of the reported amounts over the holding period support their classification in Level 2.

**Other derivatives** classified in Level 2 represent over-the-counter instruments such as interest rate and foreign currency swap contracts. Fair values for these instruments are determined using market observable inputs including forward currency and interest rate curves and widely published market observable indices. Credit risk related to the counterparty and the Company is considered when estimating the fair values of these derivatives. However, the Company is largely protected by collateral arrangements with counterparties and determined that no adjustment for credit risk was required as of December 31, 2016 or 2015. Level 2 also includes exchange-traded interest rate swap contracts. Credit risk related to the clearinghouse counterparty and the Company is considered minimal when estimating the fair values of these derivatives because of upfront margin deposits and daily settlement requirements. The nature and use of these other derivatives are described in Note 12.

### Level 3 Financial Assets and Financial Liabilities

Certain inputs for instruments classified in Level 3 are unobservable (supported by little or no market activity) and significant to their resulting fair value measurement. Unobservable inputs reflect the Company's best estimate of what hypothetical market participants would use to determine a transaction price for the asset or liability at the reporting date.

The Company classifies certain newly issued, privately-placed, complex or illiquid securities, as well as assets and liabilities relating to GMIB, in Level 3. Approximately 4% of fixed maturities and equity securities are priced using significant unobservable inputs and classified in this category.

Fair values of mortgage and other asset-backed securities, corporate and government fixed maturities are primarily determined using pricing models that incorporate the specific characteristics of each asset and related assumptions including the investment type and structure, credit quality, industry and maturity date in comparison to current market indices, spreads and liquidity of assets with similar characteristics. For mortgage and other-backed securities, inputs and assumptions for pricing may also include collateral attributes and prepayment speeds. Recent trades in the subject security or similar securities are assessed when available, and the Company may also review published research in its evaluation, as well as the issuer's financial statements.

### Quantitative Information about Unobservable Inputs

The following tables summarize the fair value and significant unobservable inputs used in pricing the following securities that were developed directly by the Company as of December 31, 2016 and 2015. The range and weighted average basis point amounts ("bps") for fixed maturity spreads (adjustment to discount rates) and price-to-earnings multiples for equity investments reflect the Company's best estimates of the unobservable adjustments a market participant would make to calculate these fair values.

*Mortgage and other asset-backed securities.* The significant unobservable inputs used to value the following mortgage and other asset-backed securities are liquidity and weighting of credit spreads. When there is limited trading activity for the security, an adjustment for liquidity is made as of the measurement date that considers current market conditions, issuer circumstances and complexity of the security structure. An adjustment to weight credit spreads is needed to value a more complex bond structure with multiple underlying collateral and no standard market valuation technique. The weighting of credit spreads is primarily based on the underlying collateral's characteristics and their proportional cash flows supporting the bond obligations. The resulting wide range of unobservable adjustments in the table below is due to the varying liquidity and quality of the underlying collateral, ranging from high credit quality to below investment grade.

*Corporate and government fixed maturities.* The significant unobservable input used to value the following corporate and government fixed maturities is an adjustment for liquidity. When there is limited trading activity for the security, an adjustment is needed to reflect current market conditions and issuer circumstances.

*Equity securities.* The significant unobservable input used to value the following equity securities is a multiple of earnings before interest, taxes, depreciation and amortization ("EBITDA"). These securities are comprised of private equity investments with limited trading activity and therefore a ratio of price to EBITDA is used to estimate value based on company circumstances and relative risk characteristics.

### As of December 31, 2016

<i>(Fair value in millions)</i>	Fair Value	Unobservable Input	Unobservable Adjustment Range (Weighted Average)
<b>Fixed maturities:</b>			
Mortgage and other asset-backed securities	\$ 157	Liquidity	60 - 330 (90) bps
		Weighting of credit spreads	160 - 470 (230) bps
Corporate and government fixed maturities	490	Liquidity	80 - 1,300 (340) bps
Total fixed maturities	647		
Equity securities	74	Price-to-EBITDA multiples	4.2 - 11.6 (8.5)
Subtotal	721		
Securities not priced by the Company <sup>(1)</sup>	55		
Total Level 3 securities	\$ 776		

(1) The fair values for these securities use single, unadjusted non-binding broker quotes not developed directly by the Company.

### As of December 31, 2015

<b>Fixed maturities:</b>			
Mortgage and other asset-backed securities	\$ 327	Liquidity	60 - 440 (200) bps
		Weighting of credit spreads	170 - 630 (220) bps
Corporate and government fixed maturities	285	Liquidity	70 - 930 (280) bps
Total fixed maturities	612		
Equity securities	69	Price-to-EBITDA multiples	4.2 - 11.6 (8.3)
Subtotal	681		
Securities not priced by the Company <sup>(1)</sup>	45		
Total Level 3 securities	\$ 726		

(1) The fair values for these securities use single, unadjusted non-binding broker quotes not developed directly by the Company.

Significant increases in fixed maturity spreads would result in lower fair value measurements while decreases in these inputs would result in higher fair value measurements. Significant decreases in equity price-to-EBITDA multiples would result in lower fair value measurements while increases in these inputs would result in higher fair value measurements. Generally, the unobservable inputs are not interrelated and a change in the assumption used for one unobservable input is not accompanied by a change in the other unobservable input.



**GMIB contracts.** See discussion in Note 9.

### Changes in Level 3 Financial Assets and Financial Liabilities Carried at Fair Value

The following tables summarize the changes in financial assets and financial liabilities classified in Level 3 for the years ended December 31, 2016 and 2015. Separate account asset changes are reported separately under the heading "separate account assets" as the changes in fair values of these assets generally accrue directly to the policyholders. Gains and losses reported in these tables may include net changes in fair value that are attributable to both observable and unobservable inputs.

<i>(In millions)</i>	Fixed Maturities & Equity Securities	GMIB Assets	GMIB Liabilities	GMIB Net
Balance at January 1, 2016	\$ 726	\$ 907	\$ (885)	\$ 22
<b>Gains (losses) included in shareholders' net income:</b>				
GMIB fair value gain/(loss)	-	(47)	47	-
Other	(18)	-	(3)	(3)
Total gains (losses) included in shareholders' net income	(18)	(47)	44	(3)
Losses included in other comprehensive income	(1)	-	-	-
Gains required to adjust future policy benefits for settlement annuities <sup>(1)</sup>	29	-	-	-
<b>Purchases, sales, settlements:</b>				
Purchases	96	-	-	-
Sales	(140)	-	-	-
Settlements	(74)	(61)	61	-
Total purchases, sales and settlements	(118)	(61)	61	-
<b>Transfers into/(out of) Level 3:</b>				
Transfers into Level 3	338	-	-	-
Transfers out of Level 3	(180)	-	-	-
Total transfers into/(out of) Level 3	158	-	-	-
Balance at December 31, 2016	\$ 776	\$ 799	\$ (780)	\$ 19
Total gains (losses) included in shareholders' net income attributable to instruments held at the reporting date	\$ (18)	\$ (47)	\$ 44	\$ (3)
Balance at January 1, 2015	\$ 857	\$ 953	\$ (929)	\$ 24
<b>Gains (losses) included in shareholders' net income:</b>				
GMIB fair value gain/(loss)	-	(5)	2	(3)
Other	24	1	-	1
Total gains (losses) included in shareholders' net income	24	(4)	2	(2)
Losses included in other comprehensive income	(11)	-	-	-
Losses required to adjust future policy benefits for settlement annuities <sup>(1)</sup>	(1)	-	-	-
<b>Purchases, sales, settlements:</b>				
Purchases	153	-	-	-
Sales	(230)	-	-	-
Settlements	(21)	(42)	42	-
Total purchases, sales and settlements	(98)	(42)	42	-
<b>Transfers into/(out of) Level 3:</b>				
Transfers into Level 3	49	-	-	-
Transfers out of Level 3	(94)	-	-	-
Total transfers into/(out of) Level 3	(45)	-	-	-
Balance at December 31, 2015	\$ 726	\$ 907	\$ (885)	\$ 22
Total gains (losses) included in shareholders' net income attributable to instruments held at the reporting date	\$ (6)	\$ (4)	\$ 2	\$ (2)

<sup>(1)</sup> Amounts do not accrue to shareholders.

As noted in the preceding tables, total gains and losses included in shareholders' net income are reflected in the following captions in the Consolidated Statements of Income:

- Realized investment gains (losses) and net investment income for amounts related to fixed maturities and equity securities and realized investment gains (losses) for the impact of changes in non-performance risk related to GMIB assets and liabilities, similar to hedge ineffectiveness; and
- Other operating expenses for amounts related to GMIB assets and liabilities (GMIB fair value gain/loss), except for the impact of changes in non-performance risk.

In the tables above, gains and losses included in other comprehensive income are reflected in net unrealized appreciation (depreciation) on securities in the Consolidated Statements of Comprehensive Income.

**PART II**

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

Reclassifications impacting Level 3 financial instruments are reported as transfers into or out of the Level 3 category as of the beginning of the quarter in which the transfer occurs. Therefore gains and losses in income only reflect activity for the period the instrument was classified in Level 3.

Transfers into or out of the Level 3 category occur when unobservable inputs, such as the Company's best estimate of what a market participant would use to determine a current transaction price, become more or less significant to the fair value measurement. For the year ended 2016, transfers between Level 2 and Level 3 primarily reflect changes in liquidity and credit risk estimates for certain private placement issuers in the metals, mining, energy, electric and consumer sectors. For the year ended 2015, transfers out of Level 3 primarily reflect a change in the significance of the unobservable inputs related to liquidity and credit estimates used to value several private corporate bonds.

**Separate Accounts**

**Accounting policy.** Separate account assets and liabilities are contractholder funds maintained in accounts with specific investment objectives. The assets of these accounts are legally segregated and are not subject to claims that arise out of any of the Company's other businesses. These separate account assets are carried at fair value with equal amounts recorded for related separate account liabilities. The investment income and fair value gains and losses of these accounts generally accrue directly to the contractholders and, together with their deposits and withdrawals, are excluded from the Company's Consolidated Statements of Income and Cash Flows. Fees and charges earned for mortality risks, asset management or administrative services are reported in either premiums or fees and other revenues. Beginning in 2016, investments that are measured using the practical expedient of NAV (see Note 2 for additional information) are excluded from the fair value hierarchy. Prior periods have been reclassified to conform to the current presentation.

At December 31, fair values of separate account assets were as follows:

<i>(In millions)</i>	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
<b>2016</b>				
Guaranteed separate accounts (See Note 21)	\$ 238	\$ 262	\$ -	\$ 500
Non-guaranteed separate accounts <sup>(1)</sup>	1,368	4,885	331	6,584
Subtotal	\$ 1,606	\$ 5,147	\$ 331	\$ 7,084
Non-guaranteed separate accounts priced at NAV as a practical expedient <sup>(1)</sup>				856
Total separate account assets				\$ 7,940
<b>2015</b>				
Guaranteed separate accounts (See Note 21)	\$ 235	\$ 274	\$ -	\$ 509
Non-guaranteed separate accounts <sup>(1)</sup>	1,401	4,698	297	6,396
Subtotal	\$ 1,636	\$ 4,972	\$ 297	\$ 6,905
Non-guaranteed separate accounts priced at NAV as a practical expedient <sup>(1)</sup>				928
Total separate account assets				\$ 7,833

<sup>(1)</sup> Non-guaranteed separate accounts included \$3.7 billion as of December 31, 2016 and \$3.6 billion as of December 31, 2015 in assets supporting the Company's pension plans, including \$0.3 billion classified in Level 3 and \$0.9 billion priced at NAV as a practical expedient for both periods.

Separate account assets in Level 1 primarily include exchange-listed equity securities. Level 2 assets primarily include:

- corporate and structured bonds valued using recent trades of similar securities or pricing models that discount future cash flows at estimated market interest rates as described above; and
- actively-traded institutional and retail mutual fund investments and separate accounts priced using the daily net asset value that is the exit price.

Separate account assets classified in Level 3 primarily support Cigna's pension plans, and include certain newly issued, privately-placed, complex, or illiquid securities that are priced using methods discussed above, as well as commercial mortgage loans that are valued according to the methodologies discussed below. The following tables summarize the changes in separate account assets reported in Level 3 for the years ended December 31, 2016 and 2015.

<i>(In millions)</i>	2016	2015
Balance at January 1	\$ 297	\$ 255
Policyholder gains (losses)	2	(6)
<b>Purchases, issuances, settlements:</b>		
Purchases	22	59
Sales	(11)	-
Settlements	(18)	(16)
Total purchases, sales and settlements	(7)	43
<b>Transfers into/(out of) Level 3:</b>		
Transfers into Level 3	65	17
Transfers out of Level 3	(26)	(12)
Total transfers into/(out of) Level 3:	39	5
Balance at December 31	\$ 331	\$ 297

Separate account investments in securities partnerships, real estate, and hedge funds are generally valued based on the separate account's ownership share of the equity of the investee (NAV as a practical expedient), including changes in the fair values of its underlying investments. Substantially all of these assets support the Cigna Pension Plans. The table below provides additional information on these investments.

(In millions)	Fair Value as of		Unfunded Commitments	Redemption Frequency (if currently eligible) <sup>(1)</sup>	Redemption Notice Period <sup>(1)</sup>
	December 31, 2016	December 31, 2015			
Security Partnerships	\$ 424	\$ 406	\$ 286	Not applicable	Not applicable
Real Estate Funds	231	261	-	Quarterly	45-90 days
Hedge Funds	201	261	-	Up to Annually, varying by fund	30-90 days
Total	\$ 856	\$ 928	\$ 286		

(1) The attributes noted are effective as of December 31, 2016 and 2015.

## B. Assets and Liabilities Measured at Fair Value under Certain Conditions

Some financial assets and liabilities are not carried at fair value each reporting period, but may be measured using fair value only under certain conditions, such as investments in real estate, partnership entities and commercial mortgage loans when they become impaired. Impaired values for these asset types classified as Level 3 representing less than 1% of total investments, were written down to their fair values, resulting in realized investment losses of \$4 million after-tax in 2016 and \$16 million after-tax in 2015.

## C. Fair Value Disclosures for Financial Instruments Not Carried at Fair Value

The following table includes the Company's financial instruments not recorded at fair value that are subject to fair value disclosure requirements at December 31, 2016 and 2015. In addition to universal life products and capital leases, financial instruments that are carried in the Company's Consolidated Financial Statements at amounts that approximate fair value are excluded from the following table.

(In millions)	Classification in Fair Value Hierarchy	December 31, 2016		December 31, 2015	
		Fair Value	Carrying Value	Fair Value	Carrying Value
Commercial mortgage loans	Level 3	\$ 1,682	\$ 1,666	\$ 1,911	\$ 1,864
Contractholder deposit funds, excluding universal life products	Level 3	\$ 1,215	\$ 1,212	\$ 1,151	\$ 1,148
Long-term debt, including current maturities, excluding capital leases	Level 2	\$ 5,460	\$ 4,991	\$ 5,515	\$ 5,020

The fair values for all financial instruments presented in the table above have been estimated using market information when available. The following valuation methodologies and inputs are used by the Company to determine fair value.

**Commercial mortgage loans.** The Company estimates the fair value of commercial mortgage loans generally by discounting the contractual cash flows at estimated market interest rates that reflect the Company's assessment of the credit quality of the loans. Market interest rates are derived by calculating the appropriate spread over comparable U.S. Treasury rates based on the property type, quality rating and average life of the loan. The quality ratings reflect the relative risk of the loan considering debt service coverage, the loan-to-value ratio and other factors. Fair values of impaired mortgage loans are based on the estimated fair value of the underlying collateral generally determined using an internal discounted cash flow model. The fair value measurements were classified in Level 3 because the cash flow models incorporate significant unobservable inputs.

**Contractholder deposit funds, excluding universal life products.** Generally, these funds do not have stated maturities. Approximately 70% of these balances can be withdrawn by the customer at any time without prior notice or penalty. The fair value for these contracts is the amount estimated to be payable to the customer as of the reporting date, which is generally the carrying value. Most of the remaining contractholder deposit funds are reinsured by the buyers of the individual life and annuity and retirement benefits businesses. The fair value for these contracts is determined using the fair value of these buyers' assets supporting these reinsured contracts. The Company had reinsurance recoverables equal to the carrying value of these reinsured contracts. These instruments were classified in Level 3 because certain inputs are unobservable (supported by little or no market activity) and significant to their resulting fair value measurement.

**Long-term debt, including current maturities, excluding capital leases.** The fair value of long-term debt is based on quoted market prices for recent trades. When quoted market prices are not available, fair value is estimated using a discounted cash flow analysis and the Company's estimated current borrowing rate for debt of similar terms and remaining maturities. These measurements were classified in Level 2 because the fair values are based on quoted market prices or other inputs that are market observable or can be corroborated by market data.

Fair values of off-balance sheet financial instruments were not material as of December 31, 2016 and 2015.

## NOTE 11 Investments, Investment Income and Gains and Losses

Cigna's investment portfolio consists of a broad range of investments including fixed maturities and equity securities, commercial mortgage loans, other long-term investments and short-term investments. The sections below provide more detail regarding our accounting policies, investment balances, net investment income and realized investment gains and losses. See Note 10 for information about the valuation of the Company's investment portfolio.

## A. Investment Portfolio

### Fixed Maturities and Equity Securities

**Accounting policy.** Fixed maturities (including bonds, mortgage and other asset-backed securities and preferred stocks redeemable by the investor) and most equity securities are classified as available for sale and are carried at fair value with changes in fair value recorded in accumulated other comprehensive income (loss) within shareholders' equity. Net unrealized appreciation on investments supporting the Company's run-off settlement annuity business is reported in future policy benefit liabilities rather than accumulated other comprehensive income (loss).

Equity securities include hybrid investments consisting of preferred stock with call features that are carried at fair value with changes in fair value reported in other realized investment gains (losses) and dividends reported in net investment income. As of December 31, 2016, fair values of these securities were \$36 million and amortized cost was \$49 million. As of December 31, 2015, fair values of these securities were \$52 million and amortized cost was \$66 million.

The Company records impairment losses in net income for fixed maturities with fair value below amortized cost that meet either of the following conditions:

- If the Company intends to sell or determines that it is more likely than not to be required to sell these fixed maturities before their fair values recover, an impairment loss is recognized for the excess of the amortized cost over fair value.
- If the net present value of projected future cash flows of a fixed maturity (based on qualitative and quantitative factors, including the probability of default, and the estimated timing and amount of recovery) is below the amortized cost basis, that difference is recognized as an impairment loss. For mortgage and asset-backed securities, estimated future cash flows are also based on assumptions about the collateral attributes including prepayment speeds, default rates and changes in value.

The amortized cost and fair value by contractual maturity periods for fixed maturities were as follows at December 31, 2016:

<i>(In millions)</i>	Amortized	
	Cost	Fair Value
Due in one year or less	\$ 1,570	\$ 1,574
Due after one year through five years	6,481	6,731
Due after five years through ten years	8,036	8,189
Due after ten years	3,394	3,981
Mortgage and other asset-backed securities	461	486
Total	\$ 19,942	\$ 20,961

Actual maturities of these securities could differ from their contractual maturities used in the table above. This could occur because issuers may have the right to call or prepay obligations, with or without penalties.

Gross unrealized appreciation (depreciation) on fixed maturities by type of issuer is shown below.

<i>(In millions)</i>	December 31, 2016			
	Amortized Cost	Unrealized Appreciation	Unrealized Depreciation	Fair Value
Federal government and agency	\$ 658	\$ 223	\$ (4)	\$ 877
State and local government	1,342	99	(6)	1,435
Foreign government	1,998	129	(14)	2,113
Corporate	15,483	716	(149)	16,050
Mortgage and other asset-backed	461	29	(4)	486
Total	\$ 19,942	\$ 1,196	\$ (177)	\$ 20,961

<i>(In millions)</i>	December 31, 2015			
	Amortized Cost	Unrealized Appreciation	Unrealized Depreciation	Fair Value
Federal government and agency	\$ 528	\$ 251	\$ -	\$ 779
State and local government	1,496	147	(2)	1,641
Foreign government	1,870	147	(3)	2,014
Corporate	14,022	632	(206)	14,448
Mortgage and other asset-backed	540	41	(8)	573
Total	\$ 18,456	\$ 1,218	\$ (219)	\$ 19,455

The above table includes investments with a fair value of \$2.7 billion at December 31, 2016 and 2015 supporting liabilities of the Company's run-off settlement annuity business. These investments had gross unrealized appreciation of \$539 million and gross unrealized depreciation of \$15 million at December 31, 2016, compared with gross unrealized appreciation of \$521 million and gross unrealized depreciation of \$38 million at December 31, 2015.

As of December 31, 2016, the Company had commitments to purchase \$26 million of fixed maturities, all of which bear interest at a fixed market rate.

**Review of declines in fair value.** Management reviews fixed maturities with a decline in fair value from cost for impairment based on criteria that include:

- length of time and severity of decline;
- financial health and specific near term prospects of the issuer;
- changes in the regulatory, economic or general market environment of the issuer's industry or geographic region; and
- the Company's intent to sell or the likelihood of a required sale prior to recovery.

The table below summarizes fixed maturities with a decline in fair value from amortized cost at December 31, 2016 by the length of time these securities have been in an unrealized loss position. These fixed maturities are primarily corporate securities with a decline in fair value that reflects an increase in market yields since purchase.

<i>(Dollars in millions)</i>	Fair Value	Amortized Cost	Unrealized Depreciation	Number of Issues
<b>Fixed maturities:</b>				
<b>One year or less:</b>				
Investment grade	\$ 4,346	\$ 4,475	\$ (129)	992
Below investment grade	\$ 724	\$ 736	\$ (12)	591
<b>More than one year:</b>				
Investment grade	\$ 308	\$ 327	\$ (19)	53
Below investment grade	\$ 186	\$ 203	\$ (17)	28

Equity securities include an investment of approximately \$400 million in an exchange traded fund ("ETF") with a gross unrealized loss of \$5 million at December 31, 2016. The underlying assets of the ETF are primarily U.S. investment grade corporate bonds and the gross unrealized loss is due to an increase in market yields since purchase. There were no other available for sale equity securities with a significant unrealized loss reflected in accumulated other comprehensive income at December 31, 2016.

## Commercial Mortgage Loans

Mortgage loans held by the Company are made exclusively to commercial borrowers and are diversified by property type, location and borrower. Loans are generally issued at a fixed rate of interest and are secured by high quality, primarily completed and substantially leased operating properties.

**Accounting policy.** Commercial mortgage loans are carried at unpaid principal balances or, if impaired, the lower of unpaid principal or fair value of the underlying real estate. See the "Impaired commercial mortgage loans" section below for the Company's accounting policy for impaired commercial mortgage loans.

At December 31, commercial mortgage loans were distributed among the following property types and geographic regions:

<i>(In millions)</i>	2016	2015
<b>Property type</b>		
Office buildings	\$ 592	\$ 697
Apartment buildings	428	366
Industrial	302	322
Hotels	205	259
Retail facilities	139	213
Other	-	7
Total	\$ 1,666	\$ 1,864
<b>U.S. geographic region</b>		
Pacific	\$ 714	\$ 738
South Atlantic	268	366
New England	227	276
Central	239	205
Middle Atlantic	186	227
Mountain	32	52
Total	\$ 1,666	\$ 1,864

At December 31, 2016, scheduled commercial mortgage loan maturities were as follows:

<i>(In millions)</i>	Scheduled Maturities
2017	\$ 92
2018	138
2019	251
2020	97
2021 and thereafter	1,088
Total	\$ 1,666

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Actual maturities could differ from contractual maturities for several reasons: borrowers may have the right to prepay obligations with or without prepayment penalties; the maturity date may be extended; and loans may be refinanced.

As of December 31, 2016, the Company had commitments to extend credit under commercial mortgage loan agreements of \$69 million.

**Credit quality.** The Company regularly evaluates and monitors credit risk, beginning with the initial underwriting of a mortgage loan and continuing throughout the investment holding period. Mortgage origination professionals employ an internal credit quality rating system designed to evaluate the relative risk of the transaction at origination that is then updated each year as part of the annual portfolio loan review. The Company evaluates and monitors credit quality on a consistent and ongoing basis, classifying each loan as a loan in good standing, potential problem loan or problem loan.

Quality ratings are based on our evaluation of a number of key inputs related to the loan, including real estate market-related factors such as rental rates and vacancies, and property-specific inputs such as growth rate assumptions and lease rollover statistics. However, the two most significant contributors to the credit quality rating are the debt service coverage and loan-to-value ratios. The debt service coverage ratio measures the amount of property cash flow available to meet annual interest and principal payments on debt, with a ratio below 1.0 indicating that there is not enough cash flow to cover the required loan payments. The loan-to-value ratio, commonly expressed as a percentage, compares the amount of the loan to the fair value of the underlying property collateralizing the loan.

The following tables summarize the credit risk profile of the Company's commercial mortgage loan portfolio based on loan-to-value and debt service coverage ratios, as of December 31, 2016 and 2015:

<b>Debt Service Coverage Ratio</b>						
<b>December 31, 2016</b>						
<i>(In millions)</i>						
<b>Loan-to-Value Ratio</b>	<b>1.30x or Greater</b>	<b>1.20x to 1.29x</b>	<b>1.10x to 1.19x</b>	<b>1.00x to 1.09x</b>	<b>Less than 1.00x</b>	<b>Total</b>
Below 50%	\$ 335	\$ 15	\$ -	\$ -	\$ -	\$ 350
50% to 59%	517	46	-	30	-	593
60% to 69%	624	14	-	-	-	638
70% to 79%	-	-	29	-	35	64
80% to 89%	-	-	-	-	-	-
90% to 100%	-	-	-	-	21	21
<b>Total</b>	<b>\$ 1,476</b>	<b>\$ 75</b>	<b>\$ 29</b>	<b>\$ 30</b>	<b>\$ 56</b>	<b>\$ 1,666</b>

<b>December 31, 2015</b>						
Below 50%	\$ 261	\$ 2	\$ -	\$ 67	\$ -	\$ 330
50% to 59%	683	-	-	24	-	707
60% to 69%	590	14	-	19	-	623
70% to 79%	-	-	-	30	36	66
80% to 89%	40	-	-	-	-	40
90% to 100%	-	-	-	-	98	98
<b>Total</b>	<b>\$ 1,574</b>	<b>\$ 16</b>	<b>\$ -</b>	<b>\$ 140</b>	<b>\$ 134</b>	<b>\$ 1,864</b>

The Company's annual in-depth review of its commercial mortgage loan investments is the primary mechanism for identifying emerging risks in the portfolio. The most recent review was completed by the Company's investment professionals in the second quarter of 2016 and included an analysis of each underlying property's most recent annual financial statements, rent rolls, operating plans, budgets, a physical inspection of the property and other pertinent factors. Based on historical results, current leases, lease expirations and rental conditions in each market, the Company estimates the current year and future stabilized property income and fair value and categorizes the investments as loans in good standing, potential problem loans or problem loans. The results of the 2016 review showed improvement from the prior review in each of the key metrics and confirmed the overall strength of the portfolio. Based on property values and cash flows estimated as part of this review, and considering updates for loans where material changes were subsequently identified, the portfolio's average loan-to-value ratio improved to 57% at December 31, 2016 from 58% at December 31, 2015. The portfolio's average debt service coverage ratio improved to 1.95 at December 31, 2016 from 1.78 at December 31, 2015. These improvements are primarily attributable to improvements in property operations and the relative stability of these metrics is primarily due to low portfolio turnover.

The Company will reevaluate a loan's credit quality between annual reviews if new property information is received or an event such as delinquency or a borrower's request for restructure causes management to believe that the Company's estimate of financial performance, fair value or the risk profile of the underlying property has been impacted.

Potential problem mortgage loans are considered current (no payment is more than 59 days past due), but they exhibit certain characteristics that increase the likelihood of future default. The characteristics management considers include, but are not limited to, the deterioration of debt service coverage below 1.0, estimated loan-to-value ratios increasing to 100% or more, downgrade in quality rating and requests from the borrower for restructuring. In addition, loans are considered potential problems if principal or interest payments are past due by more than 30 but less than 60 days. Problem mortgage loans are either in default by 60 days or more or have been restructured as to terms that could include concessions on interest rate, principal payment or maturity date. The Company monitors each problem and potential problem mortgage loan on an ongoing basis, and updates the loan categorization and quality rating when warranted.

Problem and potential problem mortgage loans, net of valuation reserves, totaled \$21 million at December 31, 2016 and \$139 million at December 31, 2015.

**Impaired commercial mortgage loans.** A commercial mortgage loan is considered impaired when it is probable that the Company will not collect all amounts due according to the terms of the original loan agreement. These loans are included in either problem or potential problem



loans. The Company monitors credit risk and assesses the impairment of loans individually and on a consistent basis for all loans in the portfolio. Impaired loans are carried at the lower of unpaid principal balance or the fair value of the underlying real estate. The Company estimates the fair value of the underlying real estate using internal valuations generally based on discounted cash flow analyses. Certain commercial mortgage loans without valuation reserves are considered impaired because the Company will not collect all interest due according to the terms of the original agreements; however, the Company expects to recover the unpaid principal because it is less than the fair value of the underlying real estate. Because of the risk profile of the underlying investment, the Company recognizes interest income on impaired mortgage loans only when payment is actually received.

The carrying value of the Company's impaired commercial mortgage loans and related valuation reserves were as follows:

<i>(In millions)</i>	2016			2015		
	Gross	Reserves	Net	Gross	Reserves	Net
Impaired commercial mortgage loans with valuation reserves	\$ 26	\$ (5)	\$ 21	\$ 113	\$ (15)	\$ 98
Impaired commercial mortgage loans with no valuation reserves	-	-	-	-	-	-
Total	\$ 26	\$ (5)	\$ 21	\$ 113	\$ (15)	\$ 98

The average recorded investment in impaired loans was \$72 million during 2016 and \$126 million during 2015. The decrease in the average recorded investment was partially due to the foreclosure of one impaired loan. Interest income on impaired commercial mortgage loans was not significant for 2016 or 2015.

Changes in valuation reserves for commercial mortgage loans were not material for the years ended December 31, 2016 and 2015.

## Other Long-Term Investments

**Accounting policy.** Other long-term investments include investments in unconsolidated entities. These entities include certain limited partnerships and limited liability companies holding real estate, securities or loans. These investments are carried at cost plus the Company's ownership percentage of reported income or loss in cases where the Company has significant influence; otherwise the investment is carried at cost. Income from certain entities is reported on a one quarter lag depending on when their financial information is received. Other long-term investments are considered impaired, and written down to their fair value, when cash flows indicate that the carrying value may not be recoverable. Fair value is generally determined based on a discounted cash flow analysis.

Other long-term investments also include investment real estate carried at depreciated cost less any impairment write downs to fair value when cash flows indicate that the carrying value may not be recoverable. Depreciation is generally recorded using the straight-line method based on the estimated useful life of each asset. Investment real estate as of December 31, 2016 and 2015 is expected to be held longer than one year and includes real estate acquired through the foreclosure of commercial mortgage loans.

Additionally, other long-term investments include interest rate and foreign currency swaps carried at fair value. See Note 12 for information on the Company's accounting policies for these derivative financial instruments.

As of December 31, other long-term investments consisted of the following:

<i>(In millions)</i>	2016	2015
Real estate investments	\$ 738	\$ 814
Securities partnerships	650	501
Other	74	89
Total	\$ 1,462	\$ 1,404

As of December 31, 2016, the Company had commitments to contribute:

- \$263 million to limited liability entities that hold either real estate or loans to real estate entities that are diversified by property type and geographic region; and
- \$810 million to entities that hold securities diversified by issuer and maturity date.

The Company expects to disburse approximately 26% of the committed amounts in 2017.

## Short-Term Investments and Cash Equivalents

**Accounting policy.** Security investments with maturities of greater than three months to one year from time of purchase are classified as short-term, available for sale and carried at fair value that approximates cost. Cash equivalents consist of short-term investments with maturities of three months or less from the time of purchase and are carried at cost that approximates fair value.

Short-term investments and cash equivalents included corporate securities of \$2.2 billion, federal government securities of \$378 million and money market funds of \$11 million as of December 31, 2016. The Company's short-term investments and cash equivalents as of December 31, 2015 included corporate securities of \$925 million, federal government securities of \$220 million and money market funds of \$55 million.

## Concentration of Risk

As of December 31, 2016 and 2015, the Company did not have a concentration of investments in a single issuer or borrower exceeding 10% of shareholders' equity.

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## B. Net Investment Income

**Accounting policy.** When interest and principal payments on investments are current, the Company recognizes interest income when it is earned. The Company recognizes interest income on a cash basis when interest payments are delinquent based on contractual terms or when certain terms (interest rate or maturity date) of the investment have been restructured.

The components of pre-tax net investment income for the years ended December 31 were as follows:

<i>(In millions)</i>	2016	2015	2014
Fixed maturities	\$ 899	\$ 879	\$ 876
Equity securities	4	3	3
Commercial mortgage loans	91	112	133
Policy loans	72	72	72
Other long-term investments	98	116	105
Short-term investments and cash	26	14	17
Total investment income	1,190	1,196	1,206
Less investment expenses	43	43	40
Net investment income	\$ 1,147	\$ 1,153	\$ 1,166

Real estate investments and securities partnerships with a carrying value of \$220 million at December 31, 2016 and \$277 million at December 31, 2015 were non-income producing during the preceding twelve months.

Net investment income for separate accounts that is excluded from the Company's revenues was \$236 million for 2016, \$262 million for 2015, and \$225 million for 2014.

## C. Realized Investment Gains And Losses

**Accounting policy.** Realized investment gains and losses are based on specifically identified assets and result from sales, investment asset write-downs, changes in the fair values of certain derivatives and changes in valuation reserves on commercial mortgage loans.

The following realized gains and losses on investments for the years ended December 31 exclude amounts required to adjust future policy benefits for the run-off settlement annuity business.

<i>(In millions)</i>	2016	2015	2014
Fixed maturities	\$ 23	\$ (82)	\$ 14
Equity securities	(1)	36	13
Commercial mortgage loans	4	(2)	(6)
Other investments, including derivatives	143	105	133
Net realized investment gains, before income taxes	169	57	154
Less income taxes	60	17	48
Net realized investment gains	\$ 109	\$ 40	\$ 106

Included in these realized investment gains (losses) were pre-tax asset write-downs as follows:

<i>(In millions)</i>	2016	2015	2014
<b>Other-than-temporary impairments on fixed maturities:</b>			
Credit-related	\$ (19)	\$ (11)	\$ -
Non credit-related <sup>(1)</sup>	(16)	(101)	(36)
Total other-than-temporary impairments on fixed maturities	(35)	(112)	(36)
Other asset write-downs <sup>(2)</sup>	(23)	(28)	(16)
TOTAL	\$ (58)	\$ (140)	\$ (52)

(1) These write-downs pertain to other-than-temporary declines in fair values due to increases in market yields (widening of credit spreads), particularly within the energy sector, for certain below investment grade fixed maturities with an increased probability of sales activity prior to recovery of amortized cost basis.

(2) Other asset write-downs include other-than-temporary declines in the fair values of equity securities, increases in valuation reserves on commercial mortgage loans, and asset write-downs related to security partnerships and real estate investments.

Realized investment gains in other investments, including derivatives, represent primarily gains on sale of real estate properties held in joint ventures.

Realized investment gains that are excluded from the Company's revenues for the years ended December 31 were as follows:

<i>(In millions)</i>	2016	2015	2014
Separate accounts	\$ 16	\$ 117	\$ 376
Investment gains required to adjust future policy benefits for the run-off settlement annuity business	\$ 63	\$ 114	\$ 86

The following table presents sales information for available-for-sale fixed maturities and equity securities for the years ended December 31. Gross gains on sales and gross losses on sales exclude amounts required to adjust future policy benefits for the run-off settlement annuity business.

<i>(In millions)</i>	2016	2015	2014
Proceeds from sales	\$ 1,544	\$ 1,555	\$ 1,769
Gross gains on sales	\$ 83	\$ 85	\$ 62
Gross losses on sales	\$ 7	\$ 13	\$ 6

## NOTE 12 Derivative Financial Instruments

The Company uses derivative financial instruments to manage the characteristics of investment assets (such as duration, yield, currency and liquidity) to meet the varying demands of the related insurance and contractholder liabilities (such as paying claims, investment returns and withdrawals) and to hedge interest rate risk of its long-term debt. The Company has written and purchased GMIB reinsurance contracts in its run-off reinsurance business that are accounted for as freestanding derivatives and discussed in Note 9. Derivatives in the Company's separate accounts are excluded from the following discussion because associated gains and losses generally accrue directly to separate account policyholders.

**Accounting policy.** The Company applies hedge accounting when derivatives are designated, qualified and highly effective as hedges. Effectiveness is formally assessed and documented at inception and each period throughout the life of a hedge using various quantitative methods appropriate for each hedge, including regression analysis and dollar offset. Under hedge accounting, the changes in fair value of the derivative and the hedged risk are generally recognized together and offset each other when reported in shareholders' net income. Changes in the fair value of a derivative instrument may not always equal changes in the fair value of the hedged item. This is referred to as "hedge ineffectiveness" and is generally recorded in realized investment gains and losses. In the event of an early hedge termination, the changes in fair value of derivatives that qualified for hedge accounting are reported in shareholders' net income, generally as a part of realized investment gains and losses. Derivative cash flows are generally reported in operating activities.

The following tables provide information on the Company's specific applications of derivative financial instruments during the years ended December 31.

Fair Value Hedge of Long-Term Corporate Debt	Notional Value (in millions)	
	2016	2015
<i>Type of instrument.</i> Interest rate swap contracts	\$ 750	\$ 750
<i>Purpose.</i> To convert a portion of the interest rate exposure on the Company's long-term debt from fixed to variable rates. This more closely aligns the Company's interest expense with the interest income received on its cash equivalent and short-term investment balances. The variable rates are benchmarked to LIBOR.		
<i>Terms of derivative instruments.</i> The Company provides upfront margin and settles fair value changes and net interest between variable and fixed rates daily with a central clearinghouse.		
<i>Accounting.</i> Using fair value hedge accounting, the fair values of the swap contracts are reported in other assets, including other intangibles, or accounts payable, accrued expenses, and other liabilities. The critical terms of these swaps match those of the long-term debt being hedged. As a result, the carrying value of the hedged debt is adjusted to reflect changes in its fair value driven by LIBOR. The effects of those adjustments on other operating expenses are offset by the effects of corresponding changes in the swaps' fair value. The net impact from the hedge reported in other operating expenses reflects interest expense on the hedged debt at the variable interest rate.		

Cash Flow Hedges of Fixed Maturity Bonds	Notional Value (in millions)	
	2016	2015
<i>Type of instrument.</i> Foreign currency and combination (interest rate and foreign currency) swap contracts	\$ 55	\$ 131
<i>Purpose.</i> To hedge the interest and foreign currency cash flows of its fixed maturity bonds to match associated insurance liabilities.		
<i>Terms of derivative instruments.</i> The Company periodically exchanges cash flows between variable and fixed interest rates or between two currencies for both principal and interest. Foreign currency swaps are Euros, Canadian dollars, and Japanese yen and have terms for periods of up to five years.		
<i>Accounting.</i> Using cash flow hedge accounting, fair values are reported in other long-term investments or accounts payable, accrued expenses, and other liabilities. Changes in fair values are reported in accumulated other comprehensive income and amortized into net investment income or other realized investment gains and losses as interest or principal payments are received.		

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Fair Value Hedges of Fixed Maturity Bonds	Notional Value (in millions)	
	2016	2015
Type of instrument. Foreign currency swap contracts	\$ 78	\$ -
Purpose. To hedge the foreign exchange related changes in fair values of the Company's fixed maturity bonds.		
Terms of derivative instruments. The Company periodically exchanges cash flows between U.S. dollars and Euros for both principal and interest for periods of up to ten years.		
Accounting. Using fair value hedge accounting, fair values are reported in other long-term investments or accounts payable, accrued expenses, and other liabilities. Changes in fair values of the swap contracts, as well as changes in the fair values of the hedged bonds attributable to the hedged risk are reported in other realized investment gains and losses.		

Economic Hedges of a Fixed Maturity Bond Portfolio	Notional Value (in millions)	
	2016	2015
Type of instrument. Foreign currency forward contracts	\$ 149	\$ -
Purpose. To hedge the foreign exchange related changes in fair values of a U.S. dollar-denominated fixed maturity bond portfolio to reflect the local currency for one of the Company's foreign subsidiaries.		
Terms of derivative instruments. The Company agrees to purchase South Korean won in exchange for U.S. dollars at a future date, generally within three months from the contracts' trade dates.		
Accounting. As these arrangements were not designated as accounting hedges, fair values are reported in short-term investments or accounts payable, accrued expenses, and other liabilities, and changes in fair values are reported in other realized investment gains and losses.		

As of and for the years ended December 31, 2016 and 2015, the effects of these derivative instruments on the Consolidated Financial Statements were not material. No material amounts were excluded from the assessment of hedge effectiveness and no significant gains or losses were recognized due to hedge ineffectiveness.

**Collateral and termination features.** The Company routinely monitors exposure to credit risk associated with derivatives and diversifies the portfolio among approved dealers of high credit quality to minimize this risk. As of December 31, 2016, the Company had \$18 million in cash on deposit representing the upfront margin required for the Company's centrally-cleared derivative instruments. Certain of the Company's over-the-counter derivative instruments contain provisions requiring either the Company or the counterparty to post collateral or demand immediate payment depending on the amount of the net liability position and predefined financial strength or credit rating thresholds. Collateral posting requirements vary by counterparty. The net asset or liability positions of these derivatives were not material as of December 31, 2016 or 2015.

## NOTE 13 Variable Interest Entities

When the Company becomes involved with a variable interest entity, as well as when there is a change in the Company's involvement with an entity, the Company evaluates the following to determine if it is the primary beneficiary and must consolidate the entity:

- the structure and purpose of the entity;
- the risks and rewards created by and shared through the entity; and
- the Company's ability to direct its activities, receive its benefits and absorb its losses relative to the other parties involved with the entity including its sponsors, equity holders, guarantors, creditors and servicers.

As of December 31, 2016 and 2015, the Company determined it was not a primary beneficiary in any material variable interest entities.

The Company owns interests in security and real estate limited partnerships that are now defined as variable interest entities under GAAP (see discussion of ASU 2015-02 in Note 2). These partnerships invest in the equity or mezzanine debt of privately held companies and real estate properties. General partners unaffiliated with the Company control decisions that most significantly impact the partnership's operations and the limited partners do not have substantive kick-out or participating rights. The Company's maximum exposure to these entities of \$2.1 billion across approximately 100 limited partnerships as of December 31, 2016 includes \$1 billion reported in other long-term investments and commitments to contribute an additional \$1.1 billion. The Company's non-controlling interest in each of these limited partnerships is generally less than 10% of the partnership ownership interests.

In the normal course of its investing activities, the Company also makes passive investments in certain asset-backed and corporate securities that are issued by variable interest entities whose sponsors or issuers are unaffiliated with the Company. The Company receives fixed-rate cash flows from these investments and the maximum potential exposure to loss is limited to the carrying amount of \$0.6 billion as of December 31, 2016, that is reported in fixed maturities. The Company's combined ownership interests are insignificant relative to the total principal amounts issued by these entities.

The Company is also involved in real estate joint ventures with carrying values of \$0.2 billion where all decisions significantly affecting the entities' economic performance are subject to unanimous approval by the equity holders. As a result, the Company determined that the power

over these entities is shared equally, and there is no primary beneficiary. The Company's maximum exposure to loss was approximately equal to its carrying value that is reported in other long-term investments.

To provide certain services to its Medicare Advantage customers, the Company contracts with independent physician associations ("IPAs") that are variable interest entities. Physicians provide health care services to Medicare Advantage customers and the Company provides medical management and administrative services to the IPAs. The Company's maximum exposure to loss related to the IPA arrangements is limited to their liability for incurred but not reported medical costs for the Company's Medicare Advantage customers. These liabilities are not material and are generally secured by deposits maintained by the IPAs.

The Company is not the primary beneficiary of any of the variable interest entities described above and does not consolidate these entities because either:

- it has no power to direct the activities that most significantly impact the entities' economic performance; or
- it has neither the right to receive benefits nor the obligation to absorb losses that could be significant to these variable interest entities.

The Company has not provided, and does not intend to provide, financial support to these entities that it is not contractually required to provide. The Company performs ongoing qualitative analyses of its involvement with these variable interest entities to determine if consolidation is required.

## NOTE 14 Accumulated Other Comprehensive Income (Loss)

Accumulated other comprehensive income (loss) excludes amounts required to adjust future policy benefits for the run-off settlement annuity business. Changes in the components of accumulated other comprehensive income (loss) were as follows:

<i>(In millions)</i>	Pre-Tax	Tax (Expense) Benefit	After-Tax
<b>2016</b>			
<b>Net unrealized appreciation on securities, January 1,</b>	<b>\$ 612</b>	<b>\$ (194)</b>	<b>\$ 418</b>
Net unrealized (depreciation) on securities arising during the year, before reclassification adjustment	(48)	6	(42)
Reclassification adjustment for (gains) included in shareholders' net income (net realized investment gains)	(22)	8	(14)
Net unrealized (depreciation) on securities arising during the year	(70)	14	(56)
<b>Net unrealized appreciation on securities, December 31,</b>	<b>\$ 542</b>	<b>\$ (180)</b>	<b>\$ 362</b>
<b>Net unrealized appreciation on derivatives, January 1,</b>	<b>\$ 10</b>	<b>\$ (3)</b>	<b>\$ 7</b>
Reclassification adjustment for losses included in shareholders' net income (other operating expenses)	1	-	1
Reclassification adjustment for (gains) included in shareholders' net income (net realized investment gains)	(7)	2	(5)
Net unrealized (depreciation) on derivatives arising during the year	(6)	2	(4)
<b>Net unrealized appreciation on derivatives, December 31,</b>	<b>\$ 4</b>	<b>\$ (1)</b>	<b>\$ 3</b>
<b>Net translation of foreign currencies, January 1,</b>	<b>\$ (295)</b>	<b>\$ 21</b>	<b>\$ (274)</b>
Net translation of foreign currencies arising during the year	(95)	-	(95)
<b>Net translation of foreign currencies, December 31,</b>	<b>\$ (390)</b>	<b>\$ 21</b>	<b>\$ (369)</b>
<b>Postretirement benefits liability adjustment, January 1,</b>	<b>\$ (2,155)</b>	<b>\$ 754</b>	<b>\$ (1,401)</b>
Reclassification adjustment for amortization of net losses from past experience and prior service costs (other operating expenses)	64	(22)	42
Net change due to valuation update	(29)	10	(19)
Net postretirement benefits liability adjustment arising during the year	35	(12)	23
<b>Postretirement benefits liability adjustment, December 31,</b>	<b>\$ (2,120)</b>	<b>\$ 742</b>	<b>\$ (1,378)</b>

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<i>(In millions)</i>	Pre-Tax	Tax (Expense) Benefit	After-Tax
2015			
<b>Net unrealized appreciation on securities, January 1,</b>	\$ 955	\$ (335)	\$ 620
Net unrealized (depreciation) on securities arising during the year, before reclassification adjustment	(389)	157	(232)
Reclassification adjustment for losses included in shareholders' net income (net realized investment gains)	46	(16)	30
Net unrealized (depreciation) on securities arising during the year	(343)	141	(202)
<b>Net unrealized appreciation on securities, December 31,</b>	\$ 612	\$ (194)	\$ 418
<b>Net unrealized (depreciation) on derivatives, January 1,</b>	\$ (12)	\$ 4	\$ (8)
Net unrealized appreciation on derivatives arising during the year, before reclassification adjustment	10	(3)	7
Reclassification adjustment for losses included in shareholders' net income (other operating expenses)	12	(4)	8
Net unrealized appreciation on derivatives, arising during the year	22	(7)	15
<b>Net unrealized appreciation on derivatives, December 31,</b>	\$ 10	\$ (3)	\$ 7
<b>Net translation of foreign currencies, January 1,</b>	\$ (71)	\$ 9	\$ (62)
Net translation of foreign currencies, arising during the year	(224)	12	(212)
<b>Net translation of foreign currencies, December 31,</b>	\$ (295)	\$ 21	\$ (274)
<b>Postretirement benefits liability adjustment, January 1,</b>	\$ (2,286)	\$ 800	\$ (1,486)
Reclassification adjustment for amortization of net losses from past experience and prior service costs (other operating expenses)	68	(23)	45
Net change due to valuation update	63	(23)	40
Net postretirement benefits liability adjustment arising during the year	131	(46)	85
<b>Postretirement benefits liability adjustment, December 31,</b>	\$ (2,155)	\$ 754	\$ (1,401)

<i>(In millions)</i>	Pre-Tax	Tax (Expense) Benefit	After-Tax
2014			
<b>Net unrealized appreciation on securities, January 1,</b>	\$ 733	\$ (256)	\$ 477
Net unrealized appreciation on securities arising during the year, before reclassification adjustment	249	(89)	160
Reclassification adjustment for (gains) included in net income (net realized investment gains)	(27)	10	(17)
Net unrealized appreciation on securities arising during the year	222	(79)	143
<b>Net unrealized appreciation on securities, December 31,</b>	\$ 955	\$ (335)	\$ 620
<b>Net unrealized depreciation on derivatives, January 1,</b>	\$ (29)	\$ 10	\$ (19)
Net unrealized appreciation on derivatives arising during the year	17	(6)	11
<b>Net unrealized depreciation on derivatives, December 31,</b>	\$ (12)	\$ 4	\$ (8)
<b>Net translation of foreign currencies, January 1,</b>	\$ 91	\$ (9)	\$ 82
Net translation of foreign currencies arising during the year	(162)	18	(144)
<b>Net translation of foreign currencies, December 31,</b>	\$ (71)	\$ 9	\$ (62)
<b>Postretirement benefits liability adjustment, January 1,</b>	\$ (1,630)	\$ 570	\$ (1,060)
Reclassification adjustment for amortization of net losses from past experience and prior service costs (other operating expenses)	54	(18)	36
Reclassification adjustment for settlement loss (other operating expenses)	6	(2)	4
Total reclassification adjustment to shareholders' net income (other operating expenses)	60	(20)	40
Net change due to valuation update and plan amendments	(716)	250	(466)
Net postretirement benefits liability adjustment arising during the year	(656)	230	(426)
<b>Postretirement benefits liability adjustment, December 31,</b>	\$ (2,286)	\$ 800	\$ (1,486)

## NOTE 15 Pension and Other Postretirement Benefit Plans

### A. About our Plans

**Pension plans.** The Company's principal qualified defined benefit pension plans, the Cigna Pension Plan and the Cigna Pension Plan for Certain Former Employees, cover approximately 21,700 retirees, 15,700 vested former employees and 14,800 active employees. Current retirees, certain vested former employees and longer-service active employees are entitled to an annuity benefit based on pay and length of service. Most pension-eligible active employees and certain vested former employees are entitled to a cash balance defined benefit. The Cigna Supplemental Pension Plan, a non-qualified and unfunded plan, covers only certain employees. We froze future benefit accruals for all of these domestic pension plans in 2009. Additionally the Company has foreign pension and other postretirement benefit plans that are immaterial to our results of operations, liquidity and financial position.



As further discussed in Note 21, Cigna Corporation and the Cigna Pension Plan are defendants in a class action lawsuit related to the Plan's conversion of certain employees from an annuity to a cash balance benefit in 1997. When the required plan amendment related to this litigation is adopted, the pension benefit obligation will be updated to reflect benefits resulting from this litigation.

**Other postretirement benefit plans.** The Company's postretirement benefit medical plan covers approximately 19,400 retirees and 19,900 active employees. Post-1988 retirees contribute to the cost of this coverage, whereas pre-1989 retirees do not. For post-1988 retirees, the Company's cost is capped at 200% of the per capita cost in 2000. Pharmacy coverage for Medicare-eligible retirees is delivered using an Employer Group Waiver Plan. Under that plan, the Company receives subsidies from CMS. The postretirement medical plan is unfunded and future benefit accruals were frozen in 2013. The Company also offers certain postretirement life insurance benefits through various plans. Retirees do not contribute to the cost of life insurance benefits.

**Accounting policy.** The Company measures the assets and liabilities of its domestic pension and other postretirement benefit plans as of December 31. Benefit obligations are measured at the present value of estimated future payments based on actuarial assumptions. The Company uses the "corridor" method to account for changes in the benefit obligation when actual results differ from those assumed, or when assumptions change. These changes are called net unrecognized actuarial gains (losses). Under the corridor method, net unrecognized actuarial gains (losses) are initially recorded in accumulated other comprehensive income. When the unrecognized gain (loss) exceeds 10% of the benefit obligation, that excess is amortized to other operating expense over the expected remaining lives of plan participants.

For balance sheet purposes, we measure plan assets at fair value. When the actual return differs from the expected return, those differences are reflected in the net unrealized actuarial gain (loss) discussed above. However, to measure pension benefit costs, we use a "market-related" asset valuation for domestic pension plan assets invested in non-fixed income investments that is different than the actual fair value. The "market-related" value recognizes the difference between actual and expected long-term returns in the portfolio over five years, a method that reduces the short-term impact of market fluctuations on pension costs. At December 31, 2016, the market-related asset value was approximately \$3.9 billion compared with a fair value of approximately \$4.0 billion.

## B. Funded Status and Amounts Included in Accumulated Other Comprehensive Income

The following table summarizes the projected benefit obligations and assets related to our domestic and international pension and other postretirement benefit plans as of, and for the years ended, December 31:

(In millions)	Pension Benefits		Other Postretirement Benefits	
	2016	2015	2016	2015
<b>Change in benefit obligation</b>				
Benefit obligation, January 1	\$ 4,934	\$ 5,269	\$ 295	\$ 335
Service cost	2	2	-	-
Interest cost	199	194	11	11
(Gain) loss from past experience	57 <sup>(1)</sup>	(239) <sup>(2)</sup>	2	(19)
Benefits paid from plan assets	(284)	(270)	(3)	(3)
Benefits paid - other	(20)	(22)	(28)	(29)
Benefit obligation, December 31	4,888	4,934	277	295
<b>Change in plan assets</b>				
Fair value of plan assets, January 1	3,981	4,170	8	12
Actual return on plan assets	279	75	-	(1)
Benefits paid	(284)	(270)	(3)	(3)
Contributions	1	6	-	-
Fair value of plan assets, December 31	3,977	3,981	5	8
Funded Status	\$ (911)	\$ (953)	\$ (272)	\$ (287)

(1) Positive amount reflects a decrease in the discount rate, partially offset by a favorable change in the mortality assumption.

(2) Negative amount reflects an increase in the discount rate and a favorable change in the mortality assumption.

We fund our qualified pension plans at least at the minimum amount required by the Employee Retirement Income Security Act of 1974 and the Pension Protection Act of 2006. In February 2017, we made a voluntary contribution of \$150 million. For the remainder of 2017, we do not expect to make any additional contributions to the qualified pension plans because none are required. Future years' contributions will ultimately be based on a wide range of factors including but not limited to asset returns, discount rates and funding targets. Non-qualified pension and other postretirement benefit plans are generally funded on a pay-as-you-go basis as there are no plan assets for these plans.

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**Benefit payments.** The following benefit payments are expected to be paid in:

<i>(In millions)</i>	Pension Benefits	Other Postretirement Benefits
2017	\$ 381	\$ 29
2018	\$ 325	\$ 28
2019	\$ 330	\$ 27
2020	\$ 324	\$ 25
2021	\$ 323	\$ 24
2022-2026	\$ 1,587	\$ 97

Amounts reflected in the pension and other postretirement benefit liabilities shown above that have not yet been reported in net income and therefore are included in accumulated other comprehensive loss consisted of the following as of December 31:

<i>(In millions)</i>	Pension Benefits		Other Postretirement Benefits	
	2016	2015	2016	2015
Unrecognized net gain (loss)	\$ (2,163)	\$ (2,201)	\$ -	\$ 1
Unrecognized prior service cost	(6)	(7)	49	52
Postretirement benefits liability adjustment	\$ (2,169)	\$ (2,208)	\$ 49	\$ 53

We expect to recognize pre-tax losses of \$66 million in 2017 from amortization of the net actuarial loss in our pension plans and pre-tax gains of \$2 million in 2017 from amortization of prior service cost in the other postretirement benefit plans. These estimates are based on a weighted average amortization period for the frozen and inactive plans that is based on the average expected remaining life of plan participants of approximately 27 years.

### C. Cost of our Plans

Components of net pension and other postretirement benefits cost for the years ended December 31 were as follows:

<i>(In millions)</i>	Pension Benefits			Other Postretirement Benefits		
	2016	2015	2014	2016	2015	2014
Service cost	\$ 2	\$ 2	\$ 2	\$ -	\$ -	\$ -
Interest cost	199	194	206	11	11	12
Expected long-term return on plan assets	(249)	(267)	(264)	-	-	-
<b>Amortization of:</b>						
Net loss from past experience	65	70	57	1	-	-
Prior service cost	1	-	-	(3)	(3)	(3)
Settlement loss	-	-	6	-	-	-
Net pension cost	\$ 18	\$ (1)	\$ 7	\$ 9	\$ 8	\$ 9

### D. Assumptions Used for Pension and other Postretirement Benefit Plans

Management determined the present value of the projected benefit obligation and the accumulated other postretirement benefit obligation and related benefit costs based on the following weighted average assumptions as of and for the years ended December 31:

	2016	2015
<b>Discount rate:</b>		
Pension benefit obligation	3.95%	4.17%
Other postretirement benefit obligation	3.70%	3.89%
Pension benefit cost	4.17%	3.75%
Other postretirement benefit cost	3.89%	3.50%
<b>Expected long-term return on plan assets:</b>		
Pension benefit cost	7.25%	7.25%
Other postretirement benefit cost	5.00%	5.00%
Mortality table for pension and postretirement benefit obligations	RP 2014 with MP 2016 projection scale	RP 2014 with MP 2015 projection scale

The Company used the Society of Actuaries mortality table RP2014 and the updated improvement scales published in 2015 and 2016 to value its benefit obligations because the Company's mortality experience closely matched these tables based on internal studies. The updated improvement scales published in 2015 and 2016 both indicated that mortality improvement is expected to be lower than was originally projected when the study was first published in 2014, resulting in decreases to the benefit obligations in both years.

The Company sets discount rates by applying actual annualized yields for high quality bonds at various durations to the expected cash flows of the pension and other postretirement benefits liabilities. The discount rate curve is constructed using an array of bonds in various industries

throughout the domestic market, but only selects those for the curve that have an above average return at each duration. Management believes that this curve is representative of the yields that the Company is able to achieve through its plan asset investment strategy.

Expected long-term rates of return on plan assets were developed considering actual long-term historical returns, expected long-term market conditions, plan asset mix and management's investment strategy that continues a significant allocation to domestic and foreign equity securities as well as securities partnerships, real estate and hedge funds. Expected long-term market conditions take into consideration certain key macroeconomic trends including expected domestic and foreign GDP growth, employment levels and inflation.

The estimated rate of future increases in the per capita cost of postretirement health care benefits is 6.50% in 2017, decreasing by 0.25% per year to 4.75% in 2024 and beyond. The impact of a 1% increase or decrease in the estimated rate would be immaterial to postretirement cost and benefit obligation.

## E. Pension Plan Assets

As of December 31, 2016, pension assets included \$3.7 billion invested in the separate accounts of Connecticut General Life Insurance Company and Life Insurance Company of North America, subsidiaries of the Company, as well as an additional \$276 million invested directly in funds offered by the buyer of the retirement benefits business.

The fair values of pension assets by category are as follows as of December 31, 2016 and 2015.

<i>(In millions)</i>	2016	2015
<b>Pension assets at fair value:</b>		
<b>Fixed maturities:</b>		
Federal government and agency	\$ 1	\$ 2
Corporate	1,125	1,067
Asset-backed	22	21
Fund investments	630	556
<b>Total fixed maturities</b>	<b>1,778</b>	<b>1,646</b>
<b>Equity securities:</b>		
Domestic	681	677
International, including funds and pooled separate accounts <sup>(1)</sup>	350	383
<b>Total equity securities</b>	<b>1,031</b>	<b>1,060</b>
Securities partnerships	424	406
Real estate funds, including pooled separate accounts <sup>(1)</sup>	289	362
Hedge funds	196	256
Commercial mortgage loans	129	131
Guaranteed deposit account contract	67	58
Cash equivalents and other current assets, net	63	62
<b>Total pension assets at fair value</b>	<b>\$ 3,977</b>	<b>\$ 3,981</b>

<sup>(1)</sup> A pooled separate account has several participating benefit plans and each owns a share of the total pool of investments.

The Company's current target investment allocation percentages (50% fixed income, 25% public equity securities, and 25% in other investments, including private equity (securities partnerships), real estate and hedge funds) are developed by management as guidelines, although the fair values of each asset category are expected to vary as a result of changes in market conditions. The Company would expect to further reduce the allocation to equity securities and other investments and increase the allocation to fixed income investments as funding levels improve.

See Note 10 for further details regarding how fair value is determined, including the level within the fair value hierarchy and the procedures we use to validate fair value measurements. The Company classifies substantially all pension assets fixed maturities in Level 2. These assets are valued using recent trades of similar securities or are fund investments priced using their daily net asset value that is the exit price. Within pension assets, a substantial portion of domestic equity securities are classified as Level 1, while international equity funds are predominantly classified in Level 2 using daily net asset value.

Securities partnerships, real estate and hedge funds are valued using NAV as a practical expedient and are excluded from the fair value hierarchy. See Note 10 for additional disclosures related to these assets invested in the separate accounts of the Company's subsidiaries. Certain securities as described in Note 10, as well as commercial mortgage loans and guaranteed deposit account contracts, are classified in Level 3 because unobservable inputs used in their valuation are significant.

## F. 401(k) Plans

The Company sponsors a 401(k) plan in which the Company matches a portion of employees' pre-tax contributions. Participants in the plan may invest in various funds that invest in the Company's common stock, several diversified stock funds, a bond fund or a fixed-income fund.

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The Company may elect to increase its matching contributions if the Company's annual performance meets certain targets. The Company's annual expense for these plans was as follows:

<i>(In millions)</i>	2016	2015	2014
Expense	\$ 113	\$ 106	\$ 98

## NOTE 16 Employee Incentive Plans

### About Our Plans

The People Resources Committee ("the Committee") of the Board of Directors awards stock options, restricted stock, deferred stock and strategic performance shares ("SPS") to certain employees. The Committee has issued common stock instead of cash compensation and dividend equivalent rights to a very limited extent, as part of restricted and deferred stock units. The Company issues shares from Treasury stock for option exercises, awards of restricted stock grants and payment of strategic performance shares, deferred stock units and restricted stock units.

The Company records compensation expense for stock and option awards over their vesting periods primarily based on the estimated fair value at the grant date. Fair value is determined differently for each type of award as discussed under each award type below.

Shares of common stock available for award at December 31 were as follows:

<i>(In millions)</i>	2016	2015	2014
Common shares available for award	6.8	8.6	10.3

### Stock Options

**Accounting policy.** The Company awards options to purchase Cigna common stock at the market price of the stock on the grant date. Options vest over periods ranging from one to five years and expire no later than 10 years from grant date. Fair value is estimated using the Black-Scholes option-pricing model by applying the assumptions presented below. That fair value is reduced by options expected to be forfeited during the vesting period. The Company estimates forfeitures at the grant date based on our experience and adjust the expense to reflect actual forfeitures over the vesting period. The fair value of options, net of forfeitures, is recognized in operating expenses on a straight line basis over the vesting period.

Compensation cost for stock options recorded in operating expenses was as follows for the years ended December 31:

<i>(In millions)</i>	2016	2015	2014
Compensation cost	\$ 53	\$ 42	\$ 36

Black-Scholes option-pricing model assumptions and the resulting fair value of options are presented in the following table.

	2016	2015	2014
Dividend yield	0.0%	0.0%	0.1%
Expected volatility	35.0%	35.0%	35.0%
Risk-free interest rate	1.2%	1.3%	1.3%
Expected option life	4.3 years	4.3 years	4.3 years
Weighted average fair value of options	\$ 42.01	\$ 36.40	\$ 23.56

The expected volatility reflects the past daily stock price volatility of Cigna stock. The Company does not consider volatility implied in the market prices of traded options to be a good indicator of future volatility because remaining traded options will expire within one year. The risk-free interest rate is derived using the four-year U.S. Treasury bond yield rate as of the award date for the primary annual grant. Expected option life reflects the Company's historical experience.

The following table shows the status of, and changes in, common stock options during the last three years.

<i>(Options in thousands)</i>	2016		2015		2014	
	Options	Weighted Average Exercise Price	Options	Weighted Average Exercise Price	Options	Weighted Average Exercise Price
Outstanding - January 1	6,433	\$ 68.86	7,331	\$ 51.84	7,350	\$ 42.24
Granted	1,336	\$ 139.20	1,410	\$ 120.94	2,012	\$ 78.11
Exercised	(577)	\$ 62.09	(2,146)	\$ 43.63	(1,869)	\$ 41.29
Expired or canceled	(95)	\$ 117.18	(162)	\$ 86.04	(162)	\$ 64.27
Outstanding - December 31	7,097	\$ 82.01	6,433	\$ 68.86	7,331	\$ 51.84
Options exercisable at year-end	4,409	\$ 58.36	3,414	\$ 46.55	3,919	\$ 38.11

Compensation expense of \$37 million related to unvested stock options at December 31, 2016 will be recognized over the next two years (weighted average period).

The table below summarizes information for stock options exercised during the last three years:

<i>(In millions)</i>	2016	2015	2014
Intrinsic value of options exercised	\$ 41	\$ 179	\$ 84
Cash received for options exercised	\$ 36	\$ 94	\$ 76

The following table summarizes information for outstanding common stock options at December 31, 2016:

	Options Outstanding	Options Exercisable
Number (in thousands)	7,097	4,409
Total intrinsic value (in millions)	\$ 372	\$ 331
Weighted average exercise price	\$ 82.01	\$ 58.36
Weighted average remaining contractual life	6.5	5.3

## Restricted Stock

The Company awards restricted stock to the Company's employees or directors with vesting periods ranging from two to five years. These awards are generally in one of two forms: restricted stock grants or restricted stock units. Restricted stock grants are the most widely used form and are used for substantially all U.S.-based employees receiving such awards. Recipients of restricted stock grants accumulate dividends and can vote during the vesting period, but forfeit their awards and accumulated dividends if their employment terminates before the vesting date. Awards of restricted stock units are generally limited to overseas employees. A restricted stock unit represents a right to receive a common share of stock when the unit vests. Recipients of restricted stock units are entitled to accumulate hypothetical dividends, but cannot vote during the vesting period. They forfeit their units and accumulated dividends if their employment terminates before the vesting date.

**Accounting policy.** Fair value of restricted stock awards is equal to the market price of Cigna's common stock on the date of grant. This fair value is reduced by awards that are expected to forfeit. At the grant date, the Company estimates forfeitures based on experience and adjusts the expense to reflect actual forfeitures over the vesting period. This fair value, net of forfeitures, is recognized in other operating expenses over the vesting period on a straight line basis.

Compensation cost for restricted stock grants and units was as follows for the years ended December 31:

<i>(In millions)</i>	2016	2015	2014
Compensation cost	\$ 40	\$ 33	\$ 31

The table below shows the status of, and changes in, restricted stock grants and units during the last three years.

	2016		2015		2014	
	Grants/Units	Weighted Average Fair Value at Award Date	Grants/Units	Weighted Average Fair Value at Award Date	Grants/Units	Weighted Average Fair Value at Award Date
<i>(Awards in thousands)</i>						
Outstanding - January 1	1,642	\$ 72.58	2,121	\$ 53.59	2,844	\$ 41.56
Awarded	315	\$ 138.61	352	\$ 121.93	454	\$ 78.99
Vested	(591)	\$ 50.01	(736)	\$ 41.99	(1,065)	\$ 32.34
Forfeited	(57)	\$ 92.51	(95)	\$ 68.31	(112)	\$ 52.95
Outstanding - December 31	1,309	\$ 97.78	1,642	\$ 72.58	2,121	\$ 53.59

As of December 31, the fair value of vested restricted stock was:

<i>(In millions)</i>	2016	2015	2014
Fair value of vested restricted stock	\$ 82	\$ 92	\$ 85

At the end of 2016, approximately 4,400 employees held 1.3 million restricted stock grants and units with \$55 million of related compensation expense to be recognized over the next two years (weighted average period).

## Strategic Performance Shares

The Company awards strategic performance shares to executives and certain other key employees generally with a performance period of three years. Strategic performance shares are divided into two broad groups: 50% are subject to a market condition (total shareholder return relative to industry peer companies) and 50% are subject to performance conditions (2014 awards: revenue growth and cumulative adjusted net income; 2015 and 2016 awards, cumulative adjusted net income). These targets are set by the Committee. At the end of the performance period, holders of strategic performance shares will be awarded anywhere from 0 to 200% of the original grant of strategic performance shares in Cigna common stock.

**Accounting policy.** Compensation expense for strategic performance shares is recorded over the performance period. For strategic performance shares with payment dependent on a market condition, fair value is determined at the grant date using a Monte Carlo simulation model and not subsequently adjusted regardless of the final outcome. For strategic performance shares with payment dependent on

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performance conditions, expense is initially accrued based on the most likely outcome, but evaluated for adjustment each period for updates in the expected outcome. At the end of the performance period, expense is adjusted to the actual outcome (number of shares awarded times the share price at the grant date). At the grant date, the Company estimates forfeitures based on experience and adjusts the expense to reflect actual forfeitures over the vesting period.

Compensation expense for strategic performance shares was as follows for the years ended December 31:

<i>(In millions)</i>	2016	2015	2014
Compensation cost	\$ 35	\$ 36	\$ 34

The table below shows the status of, and changes in, strategic performance shares during the last three years:

<i>(Awards in thousands)</i>	2016		2015		2014	
	Shares	Weighted Average Fair Value at Award Date	Shares	Weighted Average Fair Value at Award Date	Shares	Weighted Average Fair Value at Award Date
Outstanding – January 1	1,188	\$ 81.68	1,547	\$ 59.20	1,572	\$ 49.67
Awarded	286	\$ 139.05	311	\$ 121.78	450	\$ 78.50
Vested	(494)	\$ 60.15	(608)	\$ 45.51	(397)	\$ 43.53
Forfeited	(38)	\$ 112.70	(62)	\$ 76.33	(78)	\$ 58.41
Outstanding – December 31	942	\$ 109.14	1,188	\$ 81.68	1,547	\$ 59.20

As of December 31, the fair value of vested strategic performance shares was:

<i>(Shares in thousands; \$ in millions)</i>	2016		2015		2014	
	Shares	Fair Value	Shares	Fair Value	Shares	Fair Value
Shares of Cigna common stock distributed upon SPS vesting	768	\$ 109	972	\$ 119	719	\$ 57

At the end of 2016, approximately 1,400 employees held 942,000 strategic performance shares and \$37 million of related compensation expense is expected to be recognized over the next two years. For strategic performance shares subject to a performance condition, the amount of expense may vary based on actual performance in 2017 and 2018.

## Compensation Cost and Tax Effects of Share-based Compensation

During the vesting period, the Company records tax benefits in shareholders' net income based on the amount of expense being recognized. Beginning in 2016, in connection with the early adoption of ASU 2016-09 discussed in Note 2, when stock options are exercised, or when restricted stock and strategic performance share awards vest, the difference between tax benefits based on the expense and the actual tax benefit realized are also recorded in net income. Prior to 2016, such excess tax benefits were recorded as an adjustment to additional paid-in capital. The table below provides information about the cost and tax benefits related to all of our share-based compensation arrangements.

<i>(In millions)</i>	2016	2015	2014
Total compensation cost for shared-based awards	\$ 128	\$ 111	\$ 101
Tax benefits recognized in earnings based on expense	\$ 28	\$ 24	\$ 12
Excess tax benefits realized from options exercised and awards vested	\$ 29	\$ 60	\$ 35

## NOTE 17 Goodwill, Other Intangibles, and Property and Equipment

### Goodwill

**Accounting policy.** Goodwill represents the excess of the cost of businesses acquired over the fair value of their net assets. The resulting goodwill is assigned to those reporting units expected to realize cash flows from the acquisition, allocated to reporting units based on relative fair values, primarily reported in the Global Health Care segment (\$5.7 billion) and, to a lesser extent, the Global Supplemental Benefits segment (\$0.3 billion).

The Company evaluates goodwill for impairment at least annually during the third quarter at the reporting unit level and writes it down through shareholders' net income if impaired. Fair value of a reporting unit is generally estimated based on either market data or a discounted cash flow analysis using assumptions that the Company believes a hypothetical market participant would use to determine a current transaction price. The significant assumptions and estimates used in determining fair value include the discount rate and future cash flows. A range of discount rates is used that corresponds with the reporting unit's weighted average cost of capital, consistent with that used for investment decisions considering the specific and detailed operating plans and strategies within the reporting unit. Projections of future cash flows for the reporting unit are consistent with our annual planning process for revenues, claims, operating expenses, taxes, capital levels and long-term growth rates.



**Goodwill activity.** Goodwill activity during 2016 and 2015 was as follows:

<i>(In millions)</i>	2016	2015
Balance at January 1,	\$ 6,019	\$ 5,989
<b>Goodwill acquired:</b>		
QualCare Alliance Networks, Inc.	-	74
Other	1	-
Impact of foreign currency translation	(40)	(44)
Balance at December 31,	\$ 5,980	\$ 6,019

## Other Intangibles

**Accounting policy.** The Company's other intangible assets include purchased customer and producer relationships, provider networks and trademarks. The fair value of purchased customer relationships and the amortization method were determined as of the dates of purchase using an income approach that relies on projected future net cash flows including key assumptions for the customer attrition rate and discount rate. The Company amortizes other intangibles on an accelerated or straight-line basis over periods from five to 30 years. Management revises amortization periods if it believes there has been a change in the length of time that an intangible asset will continue to have value. Costs incurred to renew or extend the terms of these intangible assets are generally expensed as incurred.

**Components of other assets, including other intangibles.** Other intangible assets were comprised of the following at December 31:

<i>(In millions)</i>	Cost	Accumulated Amortization	Net Carrying Value
<b>2016</b>			
Customer relationships	\$ 1,256	\$ 965	\$ 291
Other	284	151	133
Total reported in other assets, including other intangibles	1,540	1,116	424
Value of business acquired (reported in deferred policy acquisition costs)	232	68	164
Internal-use software (reported in property and equipment)	2,766	1,997	769
Total other intangible assets	\$ 4,538	\$ 3,181	\$ 1,357
<b>2015</b>			
Customer relationships	\$ 1,264	\$ 867	\$ 397
Other	302	131	171
Total reported in other assets, including other intangibles	1,566	998	568
Value of business acquired (reported in deferred policy acquisition costs)	232	48	184
Internal-use software (reported in property and equipment)	2,442	1,708	734
Total other intangible assets	\$ 4,240	\$ 2,754	\$ 1,486

## Property and Equipment

**Accounting policy.** Property and equipment is carried at cost less accumulated depreciation. When applicable, cost includes interest, real estate taxes and other costs incurred during construction. Also included in this category is internal-use software that is acquired, developed or modified solely to meet the Company's internal needs, with no plan to market externally. Costs directly related to acquiring, developing or modifying internal-use software are capitalized.

The Company calculates depreciation and amortization principally using the straight-line method generally based on the estimated useful life of each asset as follows: buildings and improvements, 10 to 40 years; purchased software, one to five years; internally developed software, three to seven years; and furniture and equipment (including computer equipment), three to 10 years. Improvements to leased facilities are depreciated over the lesser of the remaining lease term or the estimated life of the improvement. The Company considers events and circumstances that would indicate the carrying value of property, equipment or capitalized software might not be recoverable. If the Company determines the carrying value of any of these assets is not recoverable, an impairment charge is recorded.

**Components of property and equipment.** Property and equipment was comprised of the following as of December 31:

<i>(In millions)</i>	Cost	Accumulated Amortization	Net Carrying Value
<b>2016</b>			
Internal-use software	\$ 2,766	\$ 1,997	\$ 769
<b>Other property and equipment</b>			
Assets recorded under capital leases <sup>(1)</sup>	87	49	38
Other property and equipment not recorded under capital leases	1,511	782	729
Total other property and equipment	1,598	831	767
Total property and equipment	\$ 4,364	\$ 2,828	\$ 1,536
<b>2015</b>			
Internal-use software	\$ 2,442	\$ 1,708	\$ 734
<b>Other property and equipment</b>			
Assets recorded under capital leases <sup>(1)</sup>	90	44	46
Other property and equipment not recorded under capital leases	1,484	730	754
Total other property and equipment	1,574	774	800
Total property and equipment	\$ 4,016	\$ 2,482	\$ 1,534

<sup>(1)</sup> Current capital lease agreements are for equipment and generally have a term of 48 months with the equipment expected to be returned to the lessor at termination.

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**Components of depreciation and amortization.** Depreciation and amortization was comprised of the following for the years ended December 31:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Internal-use software	\$ 303	\$ 288	\$ 260
Other property and equipment <sup>(1)</sup>	158	160	153
Value of business acquired (reported in deferred policy acquisition costs)	20	18	12
Other intangibles <sup>(2)</sup>	129	119	163
<b>Total depreciation and amortization</b>	<b>\$ 610</b>	<b>\$ 585</b>	<b>\$ 588</b>

<sup>(1)</sup> Other property and equipment includes amortization on assets recorded under capital leases of \$20 million in 2016, \$22 million in 2015 and \$20 million in 2014.

<sup>(2)</sup> Includes the one-time \$23 million bargain purchase gain on an acquisition in 2015.

The Company estimates annual pre-tax amortization for intangible assets, including internal-use software, over the next five calendar years to be as follows:

<i>(In millions)</i>	<b>Pre-tax Amortization</b>
2017	\$ 389
2018	\$ 305
2019	\$ 215
2020	\$ 104
2021	\$ 89

## **NOTE 18 Leases and Rentals**

**Description of operating leases.** The Company's operating leases are primarily for office space. Some of these leases include renewal options and other incentives that are amortized over the life of the lease. Office space leases active in 2016 had terms ranging from one month to 18 years.

**Rental expense and payments.** For the years ended December 31, net rental expenses for operating leases were approximately:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Net rental expense for operating leases	\$ 151	\$ 165	\$ 150

As of December 31, 2016, future net minimum rental payments under non-cancelable operating leases were approximately \$650 million, payable as follows:

<i>(In millions)</i>	<b>Operating Lease Payments</b>
2017	\$ 135
2018	\$ 119
2019	\$ 96
2020	\$ 81
2021	\$ 66
2022 and thereafter	\$ 164

The Company also has capital lease arrangements. See Note 17 and Note 5 for further information on assets recorded under capital leases and the related obligations.

## **NOTE 19 Shareholders' Equity and Dividend Restrictions**

State insurance departments and foreign jurisdictions that regulate certain of the Company's subsidiaries prescribe accounting practices (differing in some respects from GAAP) to determine statutory net income and surplus. The Company's life insurance and HMO subsidiaries are regulated by such statutory requirements. The statutory net income of the Company's life insurance and HMO subsidiaries for the years ended, and their statutory surplus as of December 31, were as follows:

<i>(In billions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Net income	\$ 2.0	\$ 2.1	\$ 2.0
Surplus	\$ 8.5	\$ 8.0	\$ 7.5

The Company's HMO and life subsidiaries are subject to minimum statutory surplus requirements and may be required to maintain investments on deposit with state departments of insurance or other regulatory bodies. Additionally, these subsidiaries may be subject to regulatory restrictions on the amount of annual dividends or other distributions (such as loans or cash advances) that insurance companies may extend to the parent company without prior approval. As of December 31, 2016, these amounts, including restricted net assets of the Company, were as follows:

<i>(In billions)</i>	<b>2016</b>
Minimum statutory surplus required by regulators	\$ 2.7
Investments on deposit with regulatory bodies	\$ 0.5
Maximum dividend distributions permitted in 2017 without state approval	\$ 1.6
Maximum loans to the parent company permitted without state approval	\$ 1.3
Restricted net assets of Cigna Corporation	\$ 8.8

There were no permitted practices for the Company's insurance subsidiaries that significantly differed from prescribed regulatory accounting practices.

## NOTE 20 Income Taxes

**Accounting policy.** Deferred income tax assets and liabilities are recognized for differences between the financial and income tax reporting bases of the underlying assets and liabilities and established based upon enacted tax rates and laws. Deferred income tax assets are recognized when available evidence indicates that realization is more likely than not. The deferred income tax provision generally represents the net change in deferred income tax assets and liabilities during the year, excluding amounts reported as adjustments to accumulated other comprehensive income or amounts initially recorded due to business combinations. The current income tax provision generally represents estimated amounts due on various income tax returns for the year reported plus the effect of any uncertain tax positions. Uncertain tax positions are evaluated in accordance with GAAP.

As part of its global capital management strategy, the Company's foreign operations retain a significant portion of their earnings overseas. These undistributed earnings are deployed outside of the U.S. in support of the liquidity and capital needs of our foreign operations. The Company does not intend to repatriate these earnings to the U.S. and as a result, income taxes are provided using the respective foreign jurisdictions' tax rate.

Income tax provisions related to the Company's foreign operations are generally determined based upon the local country income tax rate.

### A. Income Tax Expense

The components of income taxes for the years ended December 31 were as follows:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
<b>Current taxes</b>			
U.S. income taxes	\$ 935	\$ 1,076	\$ 1,068
Foreign income taxes	95	93	115
State income taxes	32	60	49
Total current taxes	1,062	1,229	1,232
<b>Deferred taxes (benefits)</b>			
U.S. income taxes	69	22	10
Foreign income taxes (benefits)	9	(6)	(22)
State income taxes (benefits)	(4)	5	(10)
Total deferred taxes	74	21	(22)
Total income taxes	\$ 1,136	\$ 1,250	\$ 1,210

Total income taxes for the years ended December 31 were different from the amount computed using the nominal federal income tax rate of 35% for the following reasons:

<i>(In millions)</i>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Tax expense at nominal rate	\$ 1,043	\$ 1,164	\$ 1,156
Effect of undistributed foreign earnings	(57)	(67)	(74)
Health insurance industry tax	108	109	83
State income tax (net of federal income tax benefit)	18	42	25
Other	24	2	20
Total income taxes	\$ 1,136	\$ 1,250	\$ 1,210

Consolidated pre-tax income from the Company's foreign operations was approximately 11% of the Company's pre-tax income in 2016 and 2015, compared with 10% in 2014.

The consolidated effective tax rates of 38.1% in 2016 and 37.6% in 2015 have increased from historical levels due to the health insurance industry tax that took effect in 2014 and that is not deductible for federal income tax purposes. Undistributed foreign earnings also may affect the effective tax rates. The Company has accumulated undistributed foreign earnings of \$2.5 billion as of December 31, 2016. If the Company

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intended to repatriate these foreign earnings to the U.S., the Company's Consolidated Balance Sheets would have included an additional \$325 million of deferred tax liabilities as of December 31, 2016.

## B. Deferred Income Taxes

Deferred income tax assets and liabilities as of December 31 were as follows:

<i>(In millions)</i>	2016	2015
<b>Deferred tax assets</b>		
Employee and retiree benefit plans	\$ 481	\$ 535
Other insurance and contractholder liabilities	460	465
Net operating losses	128	101
Other accrued liabilities	166	177
Other	140	99
Deferred tax assets before valuation allowance	1,375	1,377
Valuation allowance for deferred tax assets	(87)	(71)
Deferred tax assets, net of valuation allowance	1,288	1,306
<b>Deferred tax liabilities</b>		
Depreciation and amortization	781	765
Unrealized appreciation on investments and foreign currency translation	149	152
Other	54	10
Total deferred tax liabilities	984	927
Net deferred income tax assets	\$ 304	\$ 379

Included in the consolidated net deferred tax asset of \$304 million is approximately \$140 million of deferred tax liabilities attributable to foreign jurisdictions, most notably Korea and Taiwan.

Management believes that future results will be sufficient to realize the Company's deferred tax assets. With the exception of certain net operating loss related tax benefits, the Company's deferred tax benefits may be carried forward indefinitely. Net operating loss benefits are primarily attributable to foreign jurisdictions. The Company establishes a valuation allowance when it determines that realization of a deferred tax asset does not meet the more likely than not standard. Valuation allowances have been established against certain federal, foreign and state deferred tax assets, generally when there is a requirement to assess them on a separate entity basis. The increased valuation allowance in 2016 is primarily attributable to net operating losses of certain foreign operations.

## C. Uncertain Tax Positions

A reconciliation of unrecognized tax benefits for the years ended December 31 was as follows:

<i>(In millions)</i>	2016	2015	2014
Balance at January 1,	\$ 31	\$ 26	\$ 17
Increase due to current year positions	10	7	12
Reduction related to settlements with taxing authorities	(2)	-	-
Reduction related to lapse of applicable statute of limitations	(8)	(2)	(3)
Balance at December 31,	\$ 31	\$ 31	\$ 26

## D. Other Tax Matters

The Company conducts business in a number of state and foreign jurisdictions, and may be engaged in multiple audit proceedings at any given time. Generally, no further state audit activity is expected for tax years prior to 2009, and prior to 2010 for foreign audit activity.

In 2016, the Internal Revenue Service ("IRS") completed its examination of the Company's 2011 and 2012 tax years, resulting in an immaterial effect on shareholders' net income.

## NOTE 21 Contingencies and Other Matters

The Company, through its subsidiaries, is contingently liable for various guarantees provided in the ordinary course of business.

### A. Financial Guarantees: Retiree and Life Insurance Benefits

Separate account assets are contractholder funds maintained in accounts with specific investment objectives. The Company records separate account liabilities equal to separate account assets. In certain cases, the Company guarantees a minimum level of benefits for retirement and insurance contracts written in separate accounts. The Company establishes an additional liability if management believes that the Company will be required to make a payment under these guarantees.

The Company guarantees that separate account assets will be sufficient to pay certain life insurance or retiree benefits. The sponsoring employers are primarily responsible for ensuring that assets are sufficient to pay these benefits and are required to maintain assets that exceed a certain percentage of benefit obligations. This percentage varies depending on the asset class within a sponsoring employer's portfolio (for example, a bond fund would require a lower percentage than a riskier equity fund) and thus will vary as the composition of the portfolio changes. If employers do not maintain the required levels of separate account assets, the Company or an affiliate of the buyer of the retirement benefits business (Prudential Retirement Insurance and Annuity Company) has the right to redirect the management of the related assets to provide for benefit payments. As of December 31, 2016, employers maintained assets that exceeded the benefit obligations. Benefit obligations under these arrangements were \$490 million as of December 31, 2016 and approximately 13% of these are reinsured by an affiliate of the buyer of the retirement benefits business. The remaining guarantees are provided by the Company with minimal reinsurance from third parties. There were no additional liabilities required for these guarantees as of December 31, 2016. Separate account assets supporting these guarantees are classified in Levels 1 and 2 of the GAAP fair value hierarchy. See Note 10 for further information about the fair value hierarchy.

The Company does not expect that these financial guarantees will have a material effect on the Company's consolidated results of operations, liquidity or financial condition.

## B. Guaranteed Minimum Income Benefit Contracts

See Note 9 for discussion.

## C. Certain Other Guarantees

The Company had financial guarantees and indemnification obligations to lenders of approximately \$152 million as of December 31, 2016, related to borrowings by certain real estate joint ventures that the Company either records as an investment or consolidates. These borrowings, that are primarily nonrecourse obligations of the Company, are secured by the joint ventures' real estate properties with fair values in excess of the loan amounts and mature at various dates beginning in 2018 through 2021. The Company's indemnification obligations would require payment to lenders for any actual damages resulting from certain acts such as unauthorized ownership transfers, misappropriation of rental payments by others or environmental damages. Based on initial and ongoing reviews of property management and operations, the Company does not expect that payments will be required under these financial guarantees or indemnification obligations. Any payments that might be required could be recovered through a refinancing or sale of the assets. In some cases, the Company also has recourse to partners for their proportionate share of amounts paid. There were no liabilities required for these guarantees and indemnification obligations as of December 31, 2016.

As of December 31, 2016, the Company guaranteed that it would compensate the lessors for a shortfall of up to \$42 million in the market value of certain leased equipment at the end of the lease. Guarantees of \$10 million expire in 2017, \$25 million expire in 2022 and \$7 million expire in 2026. The Company recorded liabilities for these guarantees of \$5 million as of December 31, 2016.

The Company does not expect that these guarantees will have a material adverse effect on the Company's consolidated results of operations, financial condition or liquidity.

The Company had indemnification obligations as of December 31, 2016 in connection with acquisition, disposition and reinsurance transactions. These indemnification obligations are triggered by the breach of representations or covenants provided by the Company, such as representations for the presentation of financial statements, the filing of tax returns, compliance with law or the identification of outstanding litigation. These obligations are typically subject to various time limitations, defined by the contract or by operation of law, such as statutes of limitation. In some cases, the maximum potential amount due is subject to contractual limitations based on a percentage of the transaction purchase price, while in other cases limitations are not specified or applicable. The Company does not believe that it is possible to determine the maximum potential amount due under these obligations because not all amounts due under these indemnification obligations are subject to limitation. There were no liabilities for these indemnification obligations as of December 31, 2016.

## D. Guaranty Fund Assessments

The Company operates in a regulatory environment that may require the Company to participate in assessments under state insurance guaranty association laws. The Company's exposure to assessments for certain obligations of insolvent insurance companies to policyholders and claimants is based on its share of business written in the relevant jurisdictions. For the year ended December 31, 2016 and 2015, charges related to guaranty fund assessments were immaterial to the Company's results of operations.

The Company is aware that Penn Treaty Network America Insurance Company, together with its subsidiary American Network Insurance Company (collectively "Penn Treaty") is in rehabilitation. In 2012, the state court denied the regulator's amended petitions for liquidation and set forth specific requirements and a deadline for the regulator to develop a plan of rehabilitation without liquidating Penn Treaty. The regulator has appealed the court's decision. More recently, the state court has been holding settlement conferences to attempt to resolve outstanding issues with the rehabilitation plan. In July 2016, the regulator, who is the rehabilitator, filed another amended petition for liquidation with the court. Based on the developments in this matter, it is reasonably likely that a guaranty fund assessment related to Penn Treaty will be finalized in 2017. Due to the uncertainties surrounding this matter, the Company's share of this guaranty fund assessment related to Penn Treaty is uncertain, but based on current information it is estimated to approximate \$85 million after-tax. The majority of this assessment is expected to be offset in the future by premium tax credits that will be recognized in the period received. The Company continues to monitor this situation.

## E. Legal and Regulatory Matters

The Company is routinely involved in numerous claims, lawsuits, regulatory audits, investigations and other legal matters arising, for the most part, in the ordinary course of managing a global health services business. These actions may include benefit disputes, breach of contract claims, tort claims, provider disputes, disputes regarding reinsurance arrangements, employment and employment discrimination-related suits, employee benefit claims, wage and hour claims, privacy, claims arising from consumer protection laws, intellectual property claims and real estate-related disputes. There are currently, and may be in the future, attempts to bring class action lawsuits against the industry. The Company also is regularly engaged in IRS audits and may be subject to examinations by various state and foreign taxing authorities. Disputed income tax matters arising from these examinations, including those resulting in litigation, are accounted for under GAAP guidance for uncertain tax positions. Further information on income tax matters can be found in Note 20.

The business of administering and insuring health services programs, particularly health care and group insurance programs, is heavily regulated by federal and state laws and administrative agencies, such as state departments of insurance and the U.S. Departments of Health and Human Services, Treasury, Labor and Justice, as well as the courts. Health care regulation and legislation in its various forms, including the Health Care Reform Act, other regulatory reform initiatives, such as those relating to Medicare programs, or additional changes in existing laws or regulations or their interpretations, could have a material adverse effect on the Company's business, results of operations and financial condition.

In addition, there is heightened review by federal and state regulators of the health care, disability and life insurance industry business and related reporting practices. Cigna is frequently the subject of regulatory market conduct reviews and other examinations of its business and reporting practices, audits and investigations by state insurance and health and welfare departments, state attorneys general, CMS and the Office of Inspector General ("OIG"). With respect to Cigna's Medicare Advantage business, CMS and OIG perform audits to determine a health plan's compliance with federal regulations and contractual obligations, including compliance with proper coding practices (sometimes referred to as Risk Adjustment Data Validation audits or RADV audits), that may result in retrospective adjustments to payments made to health plans. Regulatory actions can result in assessments, civil or criminal fines or penalties or other sanctions, including loss of licensing or exclusion from participating in government programs.

In December 2016, the Company received a Civil Investigative Demand from the Civil Division of the U.S. Department of Justice relating to our Medicare Part C and D risk adjustment compliance activities and business processes, particularly as they relate to our review of medical records conducted as part of our data and payment accuracy compliance efforts. We believe that this request for information is in connection with a broader review of Medicare Risk Adjustment generally that includes a number of Medicare Advantage plans, providers and vendors. We intend to cooperate with and voluntarily respond to the information request.

As a global company, Cigna is also subject to the laws, regulations and rules of the foreign jurisdictions in which it conducts business. Foreign laws and rules, and regulatory audit and investigation practices, may differ from or be more stringent than, similar requirements in the U.S.

Regulation, legislation and judicial decisions have resulted in changes to industry and the Company's business practices, financial liability or other sanctions and will continue to do so in the future.

When the Company (in the course of its regular review of pending litigation and legal or regulatory matters) has determined that a material loss is reasonably possible, the matter is disclosed. Such matters are described below. In accordance with GAAP, when litigation and regulatory matters present loss contingencies that are both probable and estimable, the Company accrues the estimated loss by a charge to shareholders' net income. The amount accrued represents the Company's best estimate of the probable loss at the time. If only a range of estimated losses can be determined, the Company accrues an amount within the range that, in the Company's judgment, reflects the most likely outcome; if none of the estimates within that range is a better estimate than any other amount, the Company accrues the minimum amount of the range. In cases when the Company has accrued an estimated loss, the accrued amount may differ materially from the ultimate amount of the loss. In many proceedings, it is inherently difficult to determine whether any loss is probable or even possible or to estimate the amount or range of any loss. The Company provides disclosure in the aggregate for material pending litigation and legal or regulatory matters, including accruals, range of loss, or a statement that such information cannot be estimated. As a litigation or regulatory matter develops, the Company monitors the matter for further developments that could affect the amount previously accrued, if any, and updates such amount accrued or disclosures previously provided as appropriate.

The outcome of litigation and other legal or regulatory matters is always uncertain, and unfavorable outcomes that are not justified by the evidence or existing law can occur. The Company believes that it has valid defenses to the matters pending against it and is defending itself vigorously. Except as otherwise noted, the Company believes that the legal actions, regulatory matters, proceedings and investigations currently pending against it should not have a material adverse effect on the Company's results of operations, financial condition or liquidity based upon our current knowledge and taking into consideration current accruals. Litigation related to the Company's claim processing practices for a commercial client, for which the Company held a reserve at September 30, 2016, was settled during the fourth quarter of 2016. The Company had pre-tax reserves as of December 31, 2016 of \$190 million (\$125 million after-tax) for the matters discussed below under "Litigation Matters." Due to numerous uncertain factors presented in these cases, it is not possible to estimate an aggregate range of loss (if any) for these matters at this time. In light of the uncertainties involved in these matters, there is no assurance that their ultimate resolution will not exceed the amounts currently accrued by the Company. An adverse outcome in one or more of these matters could be material to the Company's results of operations, financial condition or liquidity for any particular period.

### **Litigation Matters**

**Amara cash balance pension plan litigation.** In December 2001, Janice Amara filed a class action lawsuit in the U.S. District Court for the District of Connecticut against Cigna Corporation and the Cigna Pension Plan (the "Plan") on behalf of herself and other similarly situated Plan participants affected by the 1998 conversion to a cash balance formula. The plaintiffs allege various violations of the Employee Retirement Income Security Act of 1974 ("ERISA"), including that the Plan's cash balance formula discriminates against older employees; that the conversion resulted in a wear-away period (when the pre-conversion accrued benefit exceeded the post-conversion benefit); and that the Plan communications contained inaccurate or inadequate disclosures about these conditions.



In 2008, the District Court (1) affirmed the Company's right to convert to a cash balance plan prospectively beginning in 1998; (2) found for plaintiffs on the disclosure claim only; and (3) required the Company to pay pre-1998 benefits under the pre-conversion traditional annuity formula and post-1997 benefits under the post-conversion cash balance formula. The Second Circuit upheld this decision. From 2008 through the present, this case has undergone a series of court proceedings that resulted in the original District Court order being largely upheld. In 2015, the Company submitted to the District Court its proposed method for calculating the additional pension benefits due to class members and plaintiffs responded in August 2015.

In January 2016, the District Court ordered the method of calculating the additional pension benefits due to class members. The court order left several aspects of the calculation of additional plan benefits open to interpretation. During 2016, the Company submitted its interpretation of the Court Order and the plaintiffs filed various objections. On January 10, 2017, the District Court issued an additional ruling regarding certain aspects of the calculation of additional plan benefits. The Company's reserve for this litigation remains reasonable at December 31, 2016 based on calculations consistent with the Company's interpretation of the updated guidance from the Court. However, certain aspects of the ruling will need further clarification from the Court before final plan benefits can be determined. As a result, the timing of the resolution of this matter remains uncertain. Once resolved, the Plan will be amended to comply with the final interpretation of the District Court's order and the benefits will begin to be paid.

**Ingenix.** In April 2004, the Company was sued in a number of putative nationwide class actions alleging that the Company improperly underpaid claims for out-of-network providers through the use of data provided by Ingenix, Inc., a subsidiary of one of the Company's competitors. These actions were consolidated into *Franco v. Connecticut General Life Insurance Company, et al.*, pending in the U.S. District Court for the District of New Jersey. The consolidated amended complaint, filed in 2009 on behalf of subscribers, health care providers and various medical associations, asserted claims related to benefits and disclosure under ERISA, the Racketeer Influenced and Corrupt Organizations ("RICO") Act, the Sherman Antitrust Act and New Jersey state law and seeks recovery for alleged underpayments from 1998 through the present. Other major health insurers have been the subject of, or have settled, similar litigation.

In September 2011, the District Court (1) dismissed all claims by the health care provider and medical association plaintiffs for lack of standing; and (2) dismissed the antitrust claims, the New Jersey state law claims and the ERISA disclosure claim. In January 2013 and again in April 2014, the District Court denied separate motions by the plaintiffs to certify a nationwide class of subscriber plaintiffs. The Third Circuit denied plaintiffs' request for an immediate appeal of the January 2013 ruling. As a result, the case is proceeding on behalf of the named plaintiffs only. In June 2014, the District Court granted the Company's motion for summary judgment to terminate all claims, and denied the plaintiffs' partial motion for summary judgment. In July 2014, the plaintiffs appealed all of the District Court's decisions in favor of the Company, including the class certification decision, to the Third Circuit. On May 2, 2016, the Third Circuit affirmed the District Court's decisions denying class certification for the claims asserted by members, the granting of summary judgment on the individual plaintiffs' claims, as well as the dismissal of the antitrust claims. However, the Third Circuit also reversed the earlier dismissal of the providers' ERISA claims. The Company will continue to vigorously defend its position.

## Regulatory Matters

**CMS actions.** In January 2016, CMS issued a Notice of Imposition of Immediate Intermediate Sanctions (the "Notice") to the Company. The Notice required us to suspend certain enrollment and marketing activities for Medicare Advantage-Prescription Drug and Medicare Part D Plans. The sanctions do not impact the right of current enrollees to remain covered by our Medicare Advantage-Prescription Drug or Medicare Part D Plans. The Company continues to devote significant resources to our remediation efforts. For the year ended December 31, 2016, costs related to our CMS audit response were approximately \$100 million after-tax.

CMS imposed sanctions based on its findings of deficiencies with the Company's operations of its Parts C and D appeals and grievances, Part D formulary and benefit administration and compliance program. While these matters were not resolved in time to participate in the 2017 Medicare Advantage and Part D annual enrollment period, we continue to work with CMS to address the audit findings and have the sanctions lifted as quickly as possible. We expect to have these sanctions lifted in time to participate in the 2018 annual enrollment period. The impact of disenrollment was not material to 2016 consolidated revenues and earnings. In 2017, Medicare enrollment and consolidated revenues will be materially impacted due to our inability to participate in 2017 annual enrollment. However, management does not anticipate that 2017 shareholders' net income will be materially affected because we expect to offset the margin impact of the revenue loss with several factors including significantly lower costs to remediate the sanctions and other operational efficiencies.

On October 12, 2016, CMS announced Medicare Star Quality Ratings ("Star Ratings") for 2017. While Star Ratings are based on a number of plan performance measures that are evaluated each year, the projected Star Ratings for our plans included certain reductions that are primarily attributable to our CMS audit discussed above. Under these revised Star Ratings, approximately 20% of our Medicare Advantage customers are expected to be in a 4 Stars or greater plan. The Company does not believe that these Star Ratings reflect the quality offerings Cigna-HealthSpring provides to beneficiaries.

The Company filed a Reconsideration request with CMS, which was denied, and will work fully with CMS through their process as well as consider additional alternatives with the objective that the final Star Ratings more accurately reflect our performance under the Star Ratings measures. The Company remains committed to our partnership with CMS and to delivering quality products and services to seniors, while working to mitigate the impact these Star Ratings could have on our offerings in 2018. There is no financial impact in 2016 or 2017 because these ratings apply to plans for the 2018 payment year. However, if we are unsuccessful in restoring at least some of the Star Ratings, the effect in 2018 could be material to shareholders' net income. The actual impact on earnings in 2018 could potentially be offset in part by the Company's ability to restore some or all of our downgraded 2018 Star Ratings, modify our product offerings and implement operational efficiencies in the Government business.

**Disability claims regulatory matter.** During the second quarter of 2013, the Company finalized an agreement with the Departments of Insurance for Maine, Massachusetts, Pennsylvania, Connecticut and California (together, the “monitoring states”) related to the Company’s long-term disability claims handling practices. The agreement requires primarily: (1) enhanced procedures related to documentation and disposition and (2) a two-year monitoring period followed by a re-examination that began in the second quarter of 2016. Management believes the Company has addressed the requirements of the agreement. If the monitoring states find material non-compliance with the agreement upon re-examination, the Company may be subject to additional costs and penalties or requests to change its business practices that could negatively impact future earnings for this business.

### Other Legal Matters

**Antitrust Litigation.** On July 21, 2016, the U.S. Department of Justice (“DOJ”) and certain state attorneys general filed a civil antitrust lawsuit in the U.S. District Court for the District of Columbia (the “District Court”) seeking to block the merger and, on January 4, 2017, the parties concluded the District Court trial. On February 8, 2017, the District Court issued an order enjoining the proposed merger. Anthem filed a notice of appeal of the District Court’s order with the U.S. Court of Appeals for the District of Columbia Circuit (the “Appeals Court”) and requested an expedited appeal. On February 17, 2017, the Appeals Court granted Anthem’s motion for an expedited appeal and set oral arguments for March 24, 2017. That same day, the Company filed its notice of appeal of the District Court’s order with the Appeals Court.

**Litigation with Anthem.** On February 14, 2017, the Company delivered a notice to Anthem terminating the merger agreement, and notifying Anthem that it must pay the Company the \$1.85 billion reverse termination fee pursuant to the terms of the merger agreement. Also on February 14, 2017, the Company filed suit against Anthem in the Delaware Court of Chancery (the “Chancery Court”). The complaint sought declaratory judgments that the Company’s termination of the merger agreement was valid and that Anthem was not permitted to extend the termination date. The complaint also sought payment of the reverse termination fee and additional damages in an amount exceeding \$13 billion, which includes the lost premium value to the Company’s shareholders caused by Anthem’s willful breaches of the merger agreement.

Also on February 14, 2017, Anthem filed a lawsuit in the Chancery Court against the Company seeking (i) a temporary restraining order to enjoin Cigna from terminating and taking any action contrary to the terms of the merger agreement, (ii) specific performance compelling Cigna to comply with the merger agreement and (iii) damages. On February 15, 2017, the Chancery Court granted Anthem’s motion for a temporary restraining order and issued an order temporarily enjoining the Company from terminating the Merger Agreement. This is not a decision on the merits of the case, but rather an order to ensure irrevocable actions do not take place before the Chancery Court’s substantive review of the issues. The Company will continue to abide by terms of the merger agreement until the expiration or lifting of the Chancery Court’s order and any further review of the case by the Chancery Court. This order will be subject to review by the Chancery Court at a preliminary injunction hearing.

We believe in the merits of our claims and dispute Anthem’s claims, and we intend to vigorously defend ourselves and pursue our claims. The outcomes of lawsuits are inherently unpredictable, and we may be unsuccessful in the ongoing litigation or any future claims or litigation.

**Shareholder Litigation.** Following announcement of the Company’s merger agreement with Anthem as discussed in Note 3, putative class action complaints (collectively the “complaints” or “Cigna Merger Litigation”) were filed by purported Cigna shareholders on behalf of a purported class of Cigna shareholders. Additional lawsuits arising out of or relating to the merger agreement or the merger may be filed in the future.

Cigna, members of the Cigna board of directors, Anthem and Anthem Merger Sub Corp (“Merger Sub”) have been named as defendants. The plaintiffs generally assert that the members of the Cigna board of directors breached their fiduciary duties to the Cigna shareholders during merger negotiations and by entering into the merger agreement and approving the merger, and that Cigna, Anthem and Merger Sub aided and abetted such breaches of fiduciary duties. The allegations include, among other things, that (1) the merger consideration undervalues Cigna, (2) the sales process leading up to the merger was flawed due to purported conflicts of interest of members of the Cigna board of directors and (3) certain provisions of the merger agreement inappropriately favor Anthem and inhibit competing bids. Plaintiffs seek, among other things, injunctive relief enjoining the merger, rescission of the merger agreement to the extent already implemented, and costs and damages.

Effective November 24, 2015, solely to avoid the costs, risks and uncertainties inherent in litigation, and without admitting any liability or wrongdoing, the Company, the Company’s directors, Anthem and Merger Sub entered into a Memorandum of Understanding (“MOU”) to settle the Cigna Merger Litigation. Subject to approval by the Connecticut Superior Court, Judicial District of Hartford and further definitive documentation in a settlement agreement that will be subject to customary conditions, the MOU resolved the Cigna Merger Litigation and provided that the Company would make certain additional disclosures related to the merger. If the Court approves the settlement, the Cigna Merger Litigation will be dismissed with prejudice and all claims that were or could have been brought in any actions challenging any aspect of the merger, the merger agreement and any related disclosures will be released. In connection with the settlement, subject to the ultimate determination of the Court, plaintiffs’ counsel may receive an award of reasonable fees. There can be no assurance that the parties will ultimately enter into a settlement agreement, or that the Court will approve the settlement even if the parties were to enter into such agreement. The MOU may terminate, if, among other reasons, the Court does not approve the settlement or the merger is not consummated for any reason.

## NOTE 22 Segment Information

See Note 1 for a description of our reporting segments.

In the Company’s segment disclosures, we present “operating revenues,” defined as total revenues excluding realized investment results. The Company excludes realized investment results from this measure because its portfolio managers may sell investments based on factors largely unrelated to the underlying business purposes of each segment. As a result, gains or losses created in this process may not be indicative of past or future underlying performance of the business.

The Company uses “adjusted income (loss) from operations” as its principal financial measure of segment operating performance because management believes it best reflects the underlying results of business operations and permits analysis of trends in underlying revenue, expenses and profitability. Adjusted income from operations is defined as shareholders’ net income (loss) excluding after-tax realized investment gains and losses, net amortization of other acquired intangible assets and special items. Income or expense amounts are excluded from adjusted income from operations for the following reasons:

- Realized investment results are excluded because, as noted above, our portfolio managers may sell investments based on factors largely unrelated to the underlying business purposes of each segment.
- Net amortization of other intangible assets is excluded because it relates to costs incurred for acquisitions and, as a result, it does not relate to the core performance of the Company’s business operations. In 2015, the amortization amount was net of a bargain purchase gain on an acquisition.
- Special items, if any, are excluded because management believes they are not representative of the underlying results of operations. This is generally because the nature and size of these matters are not indicative of our ongoing business operations. Additional details about these items that provide further context as to why they are not considered indicative of ongoing business operations may be found in the footnotes referenced in the table below.

The table below presents the special items recorded by the Company for the years ended December 31, 2016 and 2015. There were no special items recorded for the year ended 2014.

<i>(In millions)</i>			
<b>Year <sup>(1)</sup></b>	<b>Description and Financial Statement Line Item(s)</b>	<b>After-tax</b>	<b>Before-tax</b>
2016	Risk corridor allowance (Other operating expenses, see page 113 in this Note for details)	\$ 80	\$ 124
2016	Merger related transaction costs (Other operating expenses, see Note 3 for details)	\$ 147	\$ 166
2016	Charges associated with litigation matters (Other operating expenses, see Note 21 for a description of litigation charges)	\$ 25	\$ 40
2015	Debt extinguishment costs (Other operating expenses, see Note 5 for details)	\$ 65	\$ 100
2015	Merger related transaction costs (Other operating expenses, see Note 3 for details)	\$ 57	\$ 66

## PART II

## ITEM 8. Financial Statements and Supplementary Data

Summarized segment financial information for the years ended December 31, was as follows:

<i>(In millions)</i>	Global Health Care	Global Supplemental Benefits	Group Disability and Life	Other Operations	Corporate	Total
<b>2016</b>						
Premiums	\$ 23,295	\$ 3,226	\$ 4,002	\$ 103	\$ -	\$ 30,626
Fees and other revenues	4,623	49	98	11	(21)	4,760
Net investment income	315	110	343	358	21	1,147
Mail order pharmacy revenues	2,966	-	-	-	-	2,966
Total operating revenues	31,199	3,385	4,443	472	-	39,499
Net realized investment gains (losses)	119	(5)	59	(5)	1	169
<b>Total revenues</b>	<b>31,318</b>	<b>3,380</b>	<b>4,502</b>	<b>467</b>	<b>1</b>	<b>39,668</b>
Depreciation and amortization	526	54	28	1	1	610
<b>Total benefits and expenses</b>	<b>28,467</b>	<b>3,052</b>	<b>4,273</b>	<b>369</b>	<b>528</b>	<b>36,689</b>
<b>Income before taxes</b>	<b>2,851</b>	<b>328</b>	<b>229</b>	<b>98</b>	<b>(527)</b>	<b>2,979</b>
Income taxes and net loss attributable to noncontrolling interests	1,100	60	65	30	(143)	1,112
<b>Shareholders' net income by segment</b>	<b>1,751</b>	<b>268</b>	<b>164</b>	<b>68</b>	<b>(384)</b>	<b>1,867</b>
<b>After-tax adjustments to reconcile to adjusted income from operations:</b>						
Net realized investment (gains) losses	(78)	6	(39)	2	-	(109)
Amortization of other acquired intangible assets, net	74	20	-	-	-	94
<b>Special items:</b>						
Risk corridor allowance	80	-	-	-	-	80
Merger-related transaction costs	-	-	-	-	147	147
Charges associated with litigation matters	25	-	-	-	-	25
Adjusted income from operations	\$ 1,852	\$ 294	\$ 125	\$ 70	\$ (237)	\$ 2,104
<b>2015</b>						
Premiums	\$ 22,696	\$ 3,000	\$ 3,843	\$ 103	\$ -	\$ 29,642
Fees and other revenues	4,357	46	91	13	(19)	4,488
Net investment income	340	103	337	369	4	1,153
Mail order pharmacy revenues	2,536	-	-	-	-	2,536
Total operating revenues	29,929	3,149	4,271	485	(15)	37,819
Net realized investment gains	43	-	5	9	-	57
<b>Total revenues</b>	<b>29,972</b>	<b>3,149</b>	<b>4,276</b>	<b>494</b>	<b>(15)</b>	<b>37,876</b>
Depreciation and amortization	526	31	26	1	1	585
<b>Total benefits and expenses</b>	<b>27,028</b>	<b>2,849</b>	<b>3,796</b>	<b>374</b>	<b>502</b>	<b>34,549</b>
<b>Income before taxes</b>	<b>2,944</b>	<b>300</b>	<b>480</b>	<b>120</b>	<b>(517)</b>	<b>3,327</b>
Income taxes and net loss attributable to noncontrolling interests	1,150	33	152	40	(142)	1,233
<b>Shareholders' net income by segment</b>	<b>1,794</b>	<b>267</b>	<b>328</b>	<b>80</b>	<b>(375)</b>	<b>2,094</b>
<b>After-tax adjustments to reconcile to adjusted income from operations:</b>						
Net realized investment (gains)	(30)	(1)	(4)	(5)	-	(40)
Amortization of other acquired intangible assets, net <sup>(1)</sup>	84	(4)	-	-	-	80
<b>Special items:</b>						
Debt extinguishment costs	-	-	-	-	65	65
Merger-related transaction costs	-	-	-	-	57	57
Adjusted income from operations	\$ 1,848	\$ 262	\$ 324	\$ 75	\$ (253)	\$ 2,256

(1) Includes a \$23 million bargain purchase gain for a 2015 acquisition.

<i>(In millions)</i>	Global Health Care	Global Supplemental Benefits	Group Disability and Life	Other Operations	Corporate	Total
<b>2014</b>						
Premiums	\$ 20,709	\$ 2,844	\$ 3,549	\$ 112	\$ -	\$ 27,214
Fees and other revenues	4,005	52	86	14	(16)	4,141
Net investment income	337	109	335	384	1	1,166
Mail order pharmacy revenues	2,239	-	-	-	-	2,239
Total operating revenues	27,290	3,005	3,970	510	(15)	34,760
Net realized investment gains	79	3	22	15	35	154
<b>Total revenues</b>	<b>27,369</b>	<b>3,008</b>	<b>3,992</b>	<b>525</b>	<b>20</b>	<b>34,914</b>
Depreciation and amortization	513	50	22	2	1	588
<b>Total benefits and expenses</b>	<b>24,610</b>	<b>2,734</b>	<b>3,513</b>	<b>413</b>	<b>340</b>	<b>31,610</b>
<b>Income before taxes</b>	<b>2,759</b>	<b>274</b>	<b>479</b>	<b>112</b>	<b>(320)</b>	<b>3,304</b>
Income taxes and net income attributable to noncontrolling interests	1,059	41	148	33	(79)	1,202
<b>Shareholders' net income by segment</b>	<b>1,700</b>	<b>233</b>	<b>331</b>	<b>79</b>	<b>(241)</b>	<b>2,102</b>
<b>After-tax adjustments to reconcile to adjusted income from operations:</b>						
Net realized investment (gains)	(54)	(3)	(14)	(11)	(24)	(106)
Amortization of other acquired intangible assets, net	106	13	-	-	-	119
Adjusted income from operations	\$ 1,752	\$ 243	\$ 317	\$ 68	\$ (265)	\$ 2,115

Revenue from external customers includes premiums, fees and other revenues and mail order pharmacy revenues. The following table presents these revenues by product type for the years ended December 31:

<i>(In millions)</i>	2016	2015	2014
<b>Global Health Care premiums by product:</b>			
Guaranteed cost	\$ 4,610	\$ 4,761	\$ 4,600
Experience-rated	2,383	2,329	2,322
Stop loss	3,082	2,701	2,318
International health care	1,859	1,834	1,827
Dental	1,586	1,392	1,257
Medicare	6,621	6,142	5,660
Medicaid	1,146	1,102	515
Medicare Part D	1,122	1,589	1,405
Other	886	846	805
Total premiums	23,295	22,696	20,709
Fees	4,368	4,107	3,767
Total Global Health Care premiums and fees	27,663	26,803	24,476
Disability	2,045	1,899	1,767
Life, Accident and Supplemental Health	5,300	5,054	4,739
Mail order pharmacy	2,966	2,536	2,239
Other	378	374	373
Total	\$ 38,352	\$ 36,666	\$ 33,594

Foreign and U.S. revenues from external customers for the three years ended December 31 are shown below. In the periods shown, no foreign country contributed more than 5% of consolidated revenues from external customers.

<i>(In millions)</i>	2016	2015	2014
U.S.	\$ 34,672	\$ 33,185	\$ 30,070
Foreign	3,680	3,481	3,524
Total	\$ 38,352	\$ 36,666	\$ 33,594

The Company had net receivables from CMS of \$0.6 billion as of December 31, 2016 and \$1.5 billion as of December 31, 2015. These amounts were included in premiums, accounts and notes receivable and reinsurance recoverables. As a percentage of consolidated revenues, premiums and fees from CMS were 20% in 2016 and 21% in 2015 and 2014. These amounts were reported in the Global Health Care segment.

As of September 30, 2016, the Company's risk corridor receivable was \$124 million pre-tax. An unfavorable court decision was issued during the fourth quarter rejecting another insurer's statutory, contractual and constitutional claims for payment of risk corridor receivables (*Land of Lincoln Mutual Health Insurance Company v. United States*). Based on this decision, as well as the large risk corridor program deficit, under applicable accounting rules, the Company determined it was required to establish an allowance for all of the \$124 million of receivables associated with the risk corridor program. In addition, the Company was unable to recognize \$25 million pre-tax income for incremental fourth quarter risk corridor receivables. This court case is under appeal and notwithstanding the accounting reflected, management continues to believe that the government has a binding obligation to satisfy the risk corridor receivable. We expect full payment of the remaining reinsurance and risk adjustment receivables.

## Quarterly Financial Data (unaudited)

The following unaudited quarterly financial data is presented on a consolidated basis for each of the years ended December 31, 2016 and December 31, 2015. Quarterly financial results necessarily rely heavily on estimates. This and certain other factors, such as the seasonal nature of portions of the insurance business, suggest the need to exercise caution in drawing specific conclusions from quarterly consolidated results.

(In millions, except per share amounts)	Three Months Ended			
	March 31	June 30	Sept. 30	Dec. 31
<b>Consolidated Results</b>				
<b>2016</b>				
Total revenues	\$ 9,884	\$ 9,960	\$ 9,880	\$ 9,944
Income before income taxes	819	813	742	605
Shareholders' net income	519 <sup>(1)</sup>	510 <sup>(1)</sup>	456 <sup>(1),(2)</sup>	382 <sup>(1),(4)</sup>
Shareholders' net income per share:				
Basic	2.04	2.00	1.79	1.49
Diluted	2.00	1.97	1.76	1.47
<b>2015</b>				
Total revenues	\$ 9,467	\$ 9,492	\$ 9,389	\$ 9,528
Income before income taxes	854	936	878	659
Shareholders' net income	533	588 <sup>(3)</sup>	547 <sup>(1)</sup>	426 <sup>(1)</sup>
Shareholders' net income per share:				
Basic	2.08	2.30	2.14	1.66
Diluted	2.04	2.26	2.10	1.64
<b>Stock and Dividend Data</b>				
<b>2016</b>				
Price range of common stock - high	\$ 147.93	\$ 142.91	\$ 148.99	\$ 142.00
- low	\$ 123.54	\$ 121.87	\$ 123.53	\$ 115.03
Dividends declared per common share	\$ 0.04	\$ -	\$ -	\$ -
<b>2015</b>				
Price range of common stock - high	\$ 131.13	\$ 170.63	\$ 166.19	\$ 148.51
- low	\$ 100.68	\$ 124.30	\$ 125.61	\$ 127.51
Dividends declared per common share	\$ 0.04	\$ -	\$ -	\$ -

(1) Shareholders' net income includes after-tax charges related to the Company's proposed merger with Anthem as follows: \$29 million in the third quarter of 2015, \$28 million in the fourth quarter of 2015, \$36 million in the first quarter of 2016, \$26 million in the second quarter of 2016, \$46 million in the third quarter of 2016 and \$39 million in the fourth quarter of 2016. See Note 3 to the Consolidated Financial Statements for additional details.

(2) Shareholders' net income includes an after-tax charge of \$25 million for charges related to litigation matters in the third quarter of 2016. See Note 21 to the Consolidated Financial Statements for a description of litigation matters.

(3) Shareholders' net income includes an after-tax charge of \$65 million for the early extinguishment of debt in the second quarter of 2015. See Note 5 to the Consolidated Financial Statements for additional details.

(4) Shareholders' net income includes an after-tax charge of \$80 million for an allowance for the risk corridor receivable balance in the fourth quarter of 2016. See Note 22 to the Consolidated Financial Statements for additional details.



## ITEM 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

### ITEM 9A. Controls and Procedures

#### A. Disclosure Controls and Procedures

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Based on an evaluation of the effectiveness of Cigna's disclosure controls and procedures conducted under the supervision and with the participation of Cigna's management, Cigna's Chief Executive Officer and Chief Financial Officer concluded that, as of the end of the period covered by this report, Cigna's disclosure controls and procedures are effective to ensure that information required to be disclosed by Cigna in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms.

#### B. Internal Control Over Financial Reporting

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##### Management's Annual Report on Internal Control over Financial Reporting

Management of Cigna Corporation is responsible for establishing and maintaining adequate internal controls over financial reporting. The Company's internal controls were designed to provide reasonable assurance to the Company's management and Board of Directors that the Company's consolidated published financial statements for external purposes were prepared in accordance with accounting principles generally accepted in the United States. The 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 and liabilities of the Company;
- (ii) 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, and that receipts and expenditures of the Company are being made only in accordance with authorization of management and directors of the Company; and
- (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisitions, 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.

Management assessed the effectiveness of the Company's internal controls over financial reporting as of December 31, 2016. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO") in *Internal Control-Integrated Framework (2013)*. Based on management's assessment and the criteria set forth by COSO, it was determined that the Company's internal controls over financial reporting are effective as of December 31, 2016.

The Company's independent registered public accounting firm, PricewaterhouseCoopers LLP, has audited the effectiveness of the Company's internal control over financial reporting, as stated in their report located on page 58 in this Form 10-K.

### ITEM 9B. Other Information

None.

## PART III

### ITEM 10. Directors and Executive Officers of the Registrant

#### A. Directors of the Registrant

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The information under the captions “Corporate Governance Matters – Process for Director Elections,” “ – Board of Directors’ Nominees,” “ – Directors Who Will Continue in Office” and “ – Board Meetings and Committees” (as it relates to Audit Committee disclosure) in Cigna’s definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

#### B. Executive Officers of the Registrant

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See PART I – “Executive Officers of the Registrant” on page 32 in this Form 10-K.

#### C. Code of Ethics and Other Corporate Governance Disclosures

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The information under the caption “Corporate Governance Matters – Codes of Ethics” in Cigna’s definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

#### D. Section 16(a) Beneficial Ownership Reporting Compliance

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The information under the caption “Ownership of Cigna Common Stock-Section 16(a) Beneficial Ownership Reporting Compliance” in Cigna’s definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

### ITEM 11. Executive Compensation

The information under the captions “Corporate Governance Matters – Non-Employee Director Compensation,” “Compensation Matters – Report of the People Resources Committee,” “ – Compensation Discussion and Analysis” and “ – Executive Compensation Tables” in Cigna’s definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

## ITEM 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The following table presents information regarding Cigna's equity compensation plans as of December 31, 2016:

Plan Category	(a) <sup>(1)</sup> Securities To Be Issued Upon Exercise Of Outstanding Options, Warrants And Rights	(b) <sup>(2)</sup> Weighted Average Exercise Price Per Share Of Outstanding Options, Warrants And Rights	(c) <sup>(3)</sup> Securities Remaining Available For Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected In Column (a))
Equity Compensation Plans Approved by Security Holders	9,237,445	\$ 82.01	7,050,981
Equity Compensation Plans Not Approved by Security Holders	-	-	-
<b>Total</b>	<b>9,237,445</b>	<b>\$ 82.01</b>	<b>7,050,981</b>

(1) Includes, in addition to outstanding stock options, 151,361 restricted stock units, 104,682 deferred shares and 1,884,546 strategic performance shares, which are reported at the maximum 200% payout rate. Also includes 283,686 shares of common stock underlying stock option awards granted under the HealthSpring, Inc. Amended and Restated 2006 Equity Incentive Plan which was approved by HealthSpring's shareholders before Cigna's acquisition of HealthSpring in January 2012.

(2) The weighted-average exercise price is based only on outstanding stock options. The outstanding stock options assumed due to Cigna's acquisition of HealthSpring, Inc. have a weighted-average exercise price of \$17.96. Excluding these assumed options results in a weighted-average exercise price of \$84.67.

(3) Includes 257,847 shares of common stock available as of the close of business December 31, 2016 for future issuance under the Cigna Directors Equity Plan and 6,793,134 shares of common stock available as of the close of business on December 31, 2016 for future issuance under the Cigna Long-Term Incentive Plan.

The information under the captions "Ownership of Cigna Common Stock - Stock Held by Directors, Nominees and Executive Officers" and "Ownership of Cigna Common Stock - Stock Held by Certain Beneficial Owners" in Cigna's definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

## ITEM 13. Certain Relationships and Related Transactions

The information under the captions "Corporate Governance Matters - Director Independence" and "- Certain Transactions" in Cigna's definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

## ITEM 14. Principal Accountant Fees and Services

The information under the captions "Audit Matters - Policy for the Pre-Approval of Audit and Non-Audit Services" and "- Fees to Independent Registered Public Accounting Firm" in Cigna's definitive proxy statement related to the 2017 annual meeting of shareholders is incorporated by reference.

## PART IV

### ITEM 15. Exhibits and Financial Statement Schedules

(a) (1) The following Financial Statements appear on pages 58 through 113:

Report of Independent Registered Public Accounting Firm.

Consolidated Statements of Income for the years ended December 31, 2016, 2015 and 2014.

Consolidated Statements of Comprehensive Income for the years ended December 31, 2016, 2015 and 2014.

Consolidated Balance Sheets as of December 31, 2016 and 2015.

Consolidated Statements of Changes in Total Equity for the years ended December 31, 2016, 2015 and 2014.

Consolidated Statements of Cash Flows for the years ended December 31, 2016, 2015 and 2014.

Notes to the Consolidated Financial Statements.

(2) The financial statement schedules are listed in the Index to Financial Statement Schedules on page FS-1.

### ITEM 16. 10-K Summary

None.

# Signatures

Pursuant to the requirements of Section 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.

## CIGNA CORPORATION

Date: February 23, 2017  
 By: /s/ THOMAS A. MCCARTHY  
**Thomas A. McCarthy**  
*Executive Vice President and Chief Financial Officer (Principal Financial Officer)*

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities indicated as of February 23, 2017.

Signature	Title
/s/ DAVID M. CORDANI	Chief Executive Officer and Director (Principal Executive Officer)
<b>David M. Cordani</b>	
/s/ THOMAS A. MCCARTHY	Executive Vice President and Chief Financial Officer (Principal Financial Officer)
<b>Thomas A. McCarthy</b>	
/s/ MARY T. HOELTZEL	Vice President and Chief Accounting Officer (Principal Accounting Officer)
<b>Mary T. Hoeltzel</b>	
/s/ ERIC J. FOSS	Director
<b>Eric J. Foss</b>	
/s/ ISAIAH HARRIS, JR.	Chairman of the Board
<b>Isaiah Harris, Jr.</b>	
/s/ JANE E. HENNEY, M.D.	Director
<b>Jane E. Henney, M.D.</b>	
/s/ ROMAN MARTINEZ IV	Director
<b>Roman Martinez IV</b>	
/s/ JOHN M. PARTRIDGE	Director
<b>John M. Partridge</b>	
/s/ JAMES E. ROGERS	Director
<b>James E. Rogers</b>	
/s/ ERIC C. WISEMAN	Director
<b>Eric C. Wiseman</b>	
/s/ DONNA F. ZARCONE	Director
<b>Donna F. Zarcone</b>	
/s/ WILLIAM D. ZOLLARS	Director
<b>William D. Zollars</b>	

# Cigna Corporation and Subsidiaries

## INDEX TO FINANCIAL STATEMENT SCHEDULES

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Schedules other than those listed above are omitted because they are not required or are not applicable, or the required information is shown in the financial statements or notes thereto.



# Report of Independent Registered Public Accounting Firm on Financial Statement Schedules

## To the Board of Directors and Shareholders of Cigna Corporation

Our audits of the consolidated financial statements and of the effectiveness of internal control over financial reporting referred to in our report dated February 23, 2017 (which report and consolidated financial statements are included under Item 8 in this Annual Report on Form 10-K) also included an audit of the financial statement schedules listed in Item 15(a)(2) of this Form 10-K. In our opinion, these financial statement schedules present fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements.

/s/ PricewaterhouseCoopers LLP

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PricewaterhouseCoopers LLP  
Hartford, Connecticut  
February 23, 2017

**Cigna Corporation and Subsidiaries**  
**Schedule I - Summary of Investments - Other Than Investments in Related Parties**  
**December 31, 2016**

Type of Investment <i>(in millions)</i>	Cost	Fair Value	Amount at which shown in the Consolidated Balance Sheet
<b>Fixed maturities:</b>			
Bonds:			
United States government and government agencies and authorities	\$ 658	\$ 877	\$ 877
States, municipalities and political subdivisions	1,342	1,435	1,435
Foreign governments	1,998	2,113	2,113
Public utilities	1,919	2,024	2,024
All other corporate bonds	13,556	14,018	14,018
Mortgage and other asset-backed	461	486	486
Redeemable preferred stocks	8	8	8
<b>TOTAL FIXED MATURITIES</b>	<b>19,942</b>	<b>20,961</b>	<b>20,961</b>
<b>Equity securities:</b>			
Common stocks:			
Industrial, miscellaneous and all other	500	503	503
Non-redeemable preferred stocks	83	80	80
<b>TOTAL EQUITY SECURITIES</b>	<b>583</b>	<b>583</b>	<b>583</b>
Commercial mortgage loans on real estate	1,666		1,666
Policy loans	1,452		1,452
Other long-term investments	1,462		1,462
Short-term investments	691		691
<b>TOTAL INVESTMENTS</b>	<b>\$ 25,796</b>		<b>\$ 26,815</b>

## Cigna Corporation and Subsidiaries

### Schedule II - Condensed Financial Information of Cigna Corporation (Registrant)

#### Statements of Income

<i>(in millions)</i>	For the years ended December 31,		
	2016	2015	2014
<b>Operating expenses:</b>			
Interest	\$ 244	\$ 246	\$ 258
Intercompany interest	3	2	5
Loss on early extinguishment of debt	-	100	-
Other	281	147	82
<b>TOTAL OPERATING EXPENSES</b>	<b>528</b>	495	345
Loss before income taxes	(528)	(495)	(345)
Income tax benefit <sup>(1)</sup>	(146)	(135)	(89)
Loss of parent company <sup>(1)</sup>	(382)	(360)	(256)
Equity in income of subsidiaries	2,249	2,454	2,358
<b>SHAREHOLDERS' NET INCOME<sup>(1)</sup></b>	<b>1,867</b>	2,094	2,102
<b>Shareholders' other comprehensive income (loss):</b>			
Net unrealized appreciation (depreciation) on securities	(56)	(202)	143
Net unrealized appreciation (depreciation) on derivatives	(4)	15	11
Net translation of foreign currencies	(95)	(212)	(144)
Postretirement benefits liability adjustment	23	85	(426)
Shareholders' other comprehensive loss	(132)	(314)	(416)
<b>SHAREHOLDERS' COMPREHENSIVE INCOME<sup>(1)</sup></b>	<b>\$ 1,735</b>	\$ 1,780	\$ 1,686

<sup>(1)</sup> As required in adopting Accounting Standards Update ("ASU") 2016-09, the Company recorded \$29 million of income tax benefits for the year ended December 31, 2016 that previously would have been reported in additional paid-in capital. No retrospective adjustments were made to income tax benefits for the years ended 2015 and 2014. See Note 1 for further discussion.

See Notes to Financial Statements on the following pages.

## Cigna Corporation and Subsidiaries

### Schedule II - Condensed Financial Information of Cigna Corporation (Registrant)

#### Balance Sheets

<i>(In millions)</i>	As of December 31,	
	2016	2015
<b>Assets:</b>		
Cash and cash equivalents	\$ 18	\$ 16
Short-term investments	57	54
Investments in subsidiaries	20,315	18,799
Intercompany receivable	173	182
Other assets	415	497
<b>TOTAL ASSETS</b>	<b>\$ 20,978</b>	<b>\$ 19,548</b>
<b>Liabilities:</b>		
Intercompany payable	\$ 998	\$ 1,086
Short-term debt	257	100
Long-term debt	4,658	4,910
Other liabilities	1,342	1,417
<b>TOTAL LIABILITIES</b>	<b>7,255</b>	<b>7,513</b>
<b>Shareholders' equity:</b>		
Common stock (shares issued, 296; authorized, 600)	74	74
Additional paid-in capital	2,892	2,859
Accumulated other comprehensive loss	(1,382)	(1,250)
Retained earnings	13,855	12,121
Less treasury stock, at cost	(1,716)	(1,769)
<b>TOTAL SHAREHOLDERS' EQUITY</b>	<b>13,723</b>	<b>12,035</b>
<b>TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY</b>	<b>\$ 20,978</b>	<b>\$ 19,548</b>

See Notes to Financial Statements on the following pages.

## Cigna Corporation and Subsidiaries

### Schedule II - Condensed Financial Information of Cigna Corporation (Registrant)

#### Statements of Cash Flows

(In millions)	For the years ended December 31,		
	2016	2015	2014
<b>Cash Flows from Operating Activities:</b>			
Shareholders' Net Income	\$ 1,867	\$ 2,094	\$ 2,102
<b>Adjustments to reconcile shareholders' net income to net cash provided by operating activities:</b>			
Equity in income of subsidiaries	(2,249)	(2,454)	(2,358)
Dividends received from subsidiaries	580	880	1,648
Other liabilities	(9)	112	(73)
Loss on early extinguishment of debt	-	100	-
Other, net <sup>(1)</sup>	187	112	226
<b>NET CASH PROVIDED BY OPERATING ACTIVITIES <sup>(1)</sup></b>	<b>376</b>	<b>844</b>	<b>1,545</b>
<b>Cash Flows from Investing Activities:</b>			
Short term investment purchased, net	(3)	(54)	-
Other, net	(8)	(14)	11
<b>NET CASH PROVIDED BY / (USED IN) INVESTING ACTIVITIES</b>	<b>(11)</b>	<b>(68)</b>	<b>11</b>
<b>Cash Flows from Financing Activities:</b>			
Net change in amounts due to / from affiliates	(78)	(161)	61
Net change in short-term debt	(100)	-	-
Net proceeds on issuance of long-term debt	-	894	-
Repayment of long-term debt	-	(938)	-
Issuance of common stock	36	154	110
Common dividends paid	(10)	(10)	(11)
Repurchase of common stock	(139)	(671)	(1,612)
Tax withholding on stock compensation <sup>(1)</sup>	(72)	(79)	(53)
<b>NET CASH (USED IN) FINANCING ACTIVITIES <sup>(1)</sup></b>	<b>(363)</b>	<b>(811)</b>	<b>(1,505)</b>
Net increase (decrease) in cash and cash equivalents	2	(35)	51
Cash and cash equivalents, beginning of year	16	51	-
Cash and cash equivalents, end of year	\$ 18	\$ 16	\$ 51

(1) As required in adopting ASU 2016-09, the Company retrospectively reclassified \$79 million in 2015 and \$53 million in 2014 of cash payments from operating to financing activities. These payments were related to employee tax obligations associated with stock compensation. The comparable amount reported in financing activities for the year ended December 31, 2016 was \$72 million. See Note 1 for further discussion.

See Notes to Financial Statements on the following pages.

## Cigna Corporation and Subsidiaries

### SCHEDULE II - Condensed Financial Information of Cigna Corporation (Registrant)

#### Notes to Condensed Financial Statements

The accompanying condensed financial statements should be read in conjunction with the Consolidated Financial Statements and the accompanying notes thereto contained in this Annual Report on Form 10-K ("Form 10-K").

**Note 1** - For purposes of these condensed financial statements, Cigna Corporation's (the "Company") wholly-owned and majority-owned subsidiaries are recorded using the equity basis of accounting.

In the first quarter of 2016, the Company implemented the Financial Accounting Standards Board's new guidance that changed the accounting for certain aspects of share-based payments to employees (Accounting Standards Update ("ASU") 2016-09. The standard had the following impacts for the year ended December 31, 2016:

- \$29 million of tax benefits was recorded in net income that previously would have been reported in additional paid-in capital.
- \$79 million and \$53 million of tax withholding for the year ended December 31, 2015 and December 31, 2014 were retrospectively reclassified from operating to financing activities in the Cigna Corporation Statements of Cash Flows. The comparable tax withholding amount reported in financing activities for the year ended December 31, 2016 was \$72 million.

**Note 2** - Short-term and long-term debt consisted of the following at December 31:

<i>(In millions)</i>	December 31, 2016	December 31, 2015
<b>Short-term:</b>		
Commercial Paper	\$ -	\$ 100
Current maturities of long-term debt	250	-
Other, including capital leases	7	-
Total short-term debt	\$ 257	\$ 100
<b>Long-term:</b>		
Uncollateralized debt:		
\$250 million, 5.375% Notes due 2017	-	249
\$131 million, 6.35% Notes due 2018	131	131
\$250 million, 4.375% Notes due 2020 <sup>(1)</sup>	252	254
\$300 million, 5.125% Notes due 2020 <sup>(1)</sup>	301	303
\$300 million, 4.5% Notes due 2021 <sup>(1)</sup>	302	304
\$750 million, 4% Notes due 2022	744	743
\$100 million, 7.65% Notes due 2023	100	100
\$17 million, 8.3% Notes due 2023	17	17
\$900 million, 3.25% Notes due 2025	893	892
\$300 million, 7.875% Debentures due 2027	299	299
\$83 million, 8.3% Step Down Notes due 2033	82	82
\$500 million, 6.15% Notes due 2036	498	498
\$300 million, 5.875% Notes due 2041	296	295
\$750 million, 5.375% Notes due 2042	743	743
Total long-term debt	\$ 4,658	\$ 4,910

<sup>(1)</sup> The Company has entered into interest rate swap contracts hedging a portion of these fixed-rate debt instruments.

The following debt transactions occurred in April 2015:

- The Company redeemed its 2.75% Notes due 2016, including accrued interest from November 15, 2014 through the settlement date of April 13, 2015. The redemption price equaled the present value of the remaining principal and interest payments on the Notes being redeemed, discounted at a rate equal to the 10-year Treasury Rate plus a fixed spread of 30 basis points. The Company paid \$626 million including accrued interest and expenses, resulting in a pre-tax loss on early debt extinguishment of \$21 million (\$14 million after-tax) that was recognized in the second quarter of 2015.



## PART IV

### ITEM 15. Exhibits and Financial Statement Schedules

- The Company redeemed its 8.50% Notes due 2019, including accrued interest from November 1, 2014 through the settlement date of April 13, 2015. The redemption price equaled the present value of the remaining principal and interest payments on the Notes being redeemed, discounted at a rate equal to the 10-year Treasury Rate plus a fixed spread of 50 basis points. The Company paid \$329 million including accrued interest and expenses, resulting in a pre-tax loss on early debt extinguishment of \$79 million (\$51 million after-tax) that was recognized in the second quarter of 2015.

The Company has a five-year revolving credit and letter of credit agreement for \$1.5 billion that permits up to \$500 million to be used for letters of credit. This agreement extends through December 2019 and is diversified among 16 banks with three banks each having 12% of the commitment and the remainder spread among 13 banks. The credit agreement includes options to increase the commitment amount to \$2 billion and to extend the term past December 2019, subject to consent by the administrative agent and the committing banks. The credit agreement is available for general corporate purposes including for the issuance of letters of credit. The credit agreement contains customary covenants and restrictions, including a financial covenant that the Company may not permit its leverage ratio – that is total consolidated debt to total consolidated capitalization (each as defined in the credit agreement) – to exceed 0.50. The leverage ratio excludes the following items that are included in accumulated other comprehensive loss on the Company's Consolidated Balance Sheets: net unrealized appreciation in fixed maturities and the portion of the post-retirement benefits liability adjustment attributable to pension. The Company was in compliance with its debt covenants as of December 31, 2016.

The Company had \$9.7 billion of borrowing capacity within the maximum debt coverage covenant in the letter of credit agreement, in addition to the \$5 billion of debt outstanding as of December 31, 2016. This additional borrowing capacity includes the \$1.5 billion available under the credit agreement. Letters of credit outstanding as of December 31, 2016 totaled \$14 million.

On March 11, 2015, the Company issued \$900 million of 10-Year Notes due April 15, 2025 at a stated interest rate of 3.25% (\$892 million, net of discount and issuance costs, with an effective annual interest rate of 3.36%). Interest is payable on April 15 and October 15 of each year beginning October 15, 2015. The proceeds of this debt were used to repay debt maturing in 2016 and in 2019 as described below.

The Company may redeem these Notes, at any time, in whole or in part, at a redemption price equal to the greater of:

- 100% of the principal amount of the Notes to be redeemed; or
- the present value of the remaining principal and interest payments on the Notes being redeemed discounted at the applicable Treasury rate plus 17.5 basis points.

Maturities of long-term debt are as follows (in millions): \$250 in 2017, \$131 in 2018, none in 2019, \$549 in 2020, \$299 in 2021 and \$3,694 in years after 2021. Interest expense on long-term and short-term debt was \$244 in 2016, \$246 million in 2015 and \$252 million in 2014. The 2015 expense excludes losses on the early extinguishment of debt.

**Note 3** - Intercompany liabilities consist primarily of payables to Cigna Holdings, Inc. of \$658 million as of December 31, 2016 and \$875 million as of December 31, 2015. Interest was accrued at an average monthly rate of 0.93% for 2016 and 0.60% for 2015.

**Note 4** - As of December 31, 2016, the Company had guarantees and similar agreements in place to secure payment obligations or solvency requirements of certain wholly-owned subsidiaries as follows:

- Various indirect, wholly-owned subsidiaries have obtained surety bonds in the normal course of business. If there is a claim on a surety bond and the subsidiary is unable to pay, the Company guarantees payment to the company issuing the surety bond. The aggregate amount of such surety bonds as of December 31, 2016 was \$98 million.
- The Company is obligated under a \$6 million letter of credit required by the insurer of its high-deductible self-insurance programs to indemnify the insurer for claim liabilities that fall within deductible amounts for policy years dating back to 1994.
- The Company also provides solvency guarantees aggregating \$34 million under state and federal regulations in support of its indirect wholly-owned medical HMOs in several states.
- The Company has arranged an \$8 million letter of credit in support of Cigna Europe Insurance Company, an indirect wholly-owned subsidiary. The Company has agreed to indemnify the banks providing the letters of credit in the event of any draw. Cigna Europe Insurance Company is the holder of the letters of credit.
- The Company has agreed to indemnify payment of losses included in Cigna Europe Insurance Company's reserves on the assumed reinsurance business transferred from ACE. As of December 31, 2016, the reserve was \$14 million.
- The Company guarantees the payment of up to \$10 million for certain expenses of an indirect wholly-owned subsidiary operating as a Professional Employer Organization in the state of Kansas.
- The Company operates a global notional currency pool in support of certain foreign subsidiaries and provides a guarantee of borrowing by subsidiaries from the notional pool. The aggregate amount of such borrowing at December 31, 2016 was \$31 million.
- The Company guarantees that it would compensate the lessors for a shortfall of up to \$42 million in the market value of certain leased equipment at the end of the lease. Guarantees of \$10 million expire in 2017, \$25 million expire in 2022 and \$7 million expire in 2026. The Company recorded liabilities for these guarantees of \$5 million as of December 31, 2016.

In 2016, no payments have been made on these guarantees. The Company provided other guarantees to subsidiaries that, in the aggregate, do not represent a material risk to the Company's results of operations, liquidity or financial condition.

## Cigna Corporation and Subsidiaries

### Schedule III – Supplementary Insurance Information

<i>(in millions)</i> Segment	Deferred policy acquisition costs	Future policy benefits and contractholder deposit funds	Medical claims payable and unpaid claims <sup>(1)</sup>	Unearned premiums
<b>Year Ended December 31, 2016:</b>				
Global Health Care	\$ 16	\$ 161	\$ 2,532	\$ 170
Global Supplemental Benefits	1,752	3,225	384	435
Group Disability and Life	1	1,786	4,342	13
Other Operations	49	12,934	191	16
Corporate	-	-	-	-
<b>Total</b>	<b>\$ 1,818</b>	<b>\$ 18,106</b>	<b>\$ 7,449</b>	<b>\$ 634</b>
<b>Year Ended December 31, 2015:</b>				
Global Health Care	\$ 11	\$ 169	\$ 2,355	\$ 145
Global Supplemental Benefits	1,593	3,006	353	453
Group Disability and Life	1	1,714	4,006	13
Other Operations	54	13,033	215	18
Corporate	-	-	-	-
<b>Total</b>	<b>\$ 1,659</b>	<b>\$ 17,922</b>	<b>\$ 6,929</b>	<b>\$ 629</b>
<b>Year Ended December 31, 2014:</b>				
Global Health Care	\$ 17	\$ 182	\$ 2,180	\$ 155
Global Supplemental Benefits	1,437	2,785	339	431
Group Disability and Life	1	1,662	3,839	15
Other Operations	47	13,443	222	20
Corporate	-	-	-	-
<b>Total</b>	<b>\$ 1,502</b>	<b>\$ 18,072</b>	<b>\$ 6,580</b>	<b>\$ 621</b>

(1) Unpaid claims balances reported in Corporate in 2014 and 2015 have been retrospectively reclassified to the Group Disability and Life segment to conform to the presentation of unpaid claim balances in Note 8 to the Consolidated Financial Statements. These amounts represent elimination entries.

## PART IV

## ITEM 15. Exhibits and Financial Statement Schedules

Segment	Premiums <sup>(1)</sup>	Net investment income <sup>(2)</sup>	Benefit expenses <sup>(1)(3)</sup>	Amortization of deferred policy acquisition expenses	Other operating expenses <sup>(4)</sup>
<b>Year Ended December 31, 2016:</b>					
Global Health Care	\$ 23,295	\$ 315	\$ 19,009	\$ 47	\$ 9,411
Global Supplemental Benefits	3,226	110	1,784	238	1,030
Group Disability and Life	4,002	343	3,354	1	918
Other Operations	103	358	339	6	24
Corporate	-	21	-	-	528
Total	\$ 30,626	\$ 1,147	\$ 24,486	\$ 292	\$ 11,911
<b>Year Ended December 31, 2015:</b>					
Global Health Care	\$ 22,696	\$ 340	\$ 18,354	\$ 53	\$ 8,621
Global Supplemental Benefits	3,000	103	1,659	227	963
Group Disability and Life	3,843	337	2,934	1	861
Other Operations	103	369	343	5	26
Corporate	-	4	-	-	502
Total	\$ 29,642	\$ 1,153	\$ 23,290	\$ 286	\$ 10,973
<b>Year Ended December 31, 2014:</b>					
Global Health Care	\$ 20,709	\$ 337	\$ 16,694	\$ 73	\$ 7,843
Global Supplemental Benefits	2,844	109	1,544	209	981
Group Disability and Life	3,549	335	2,716	1	796
Other Operations	112	384	380	6	27
Corporate	-	1	-	-	340
Total	\$ 27,214	\$ 1,166	\$ 21,334	\$ 289	\$ 9,987

(1) Amounts presented are shown net of the effects of reinsurance. See Note 9 to the Consolidated Financial Statements included in this Form 10-K.

(2) The allocation of net investment income is based upon the investment year method, the identification of certain portfolios with specific segments, or a combination of both.

(3) Benefit expenses include Global Health Care medical costs and other benefit expenses.

(4) Other operating expenses includes mail order pharmacy costs, other operating expenses, and net amortization of other intangible assets. It excludes amortization of deferred policy acquisition expenses.

## Cigna Corporation and Subsidiaries Schedule IV – Reinsurance

<i>(In millions)</i>	Gross amount	Ceded to other companies	Assumed from other companies	Net amount	Percentage of amount assumed to net
<b>Year Ended December 31, 2016:</b>					
Life insurance in force	1,047,002	55,399	2,827	994,430	0.3%
<b>Premiums:</b>					
Life insurance and annuities	\$ 2,881	\$ 310	\$ 22	\$ 2,593	0.8%
Accident and health insurance	27,874	203	362	28,033	1.3%
Total	\$ 30,755	\$ 513	\$ 384	\$ 30,626	1.3%
<b>Year Ended December 31, 2015:</b>					
Life insurance in force	1,047,982	72,208	3,273	979,047	0.3%
<b>Premiums:</b>					
Life insurance and annuities	\$ 2,886	\$ 335	\$ 106	\$ 2,657	4.0%
Accident and health insurance	26,926	235	294	26,985	1.1%
Total	\$ 29,812	\$ 570	\$ 400	\$ 29,642	1.3%
<b>Year Ended December 31, 2014:</b>					
Life insurance in force	879,508	58,133	3,180	824,555	0.4%
<b>Premiums:</b>					
Life insurance and annuities	\$ 2,302	\$ 320	\$ 32	\$ 2,014	1.6%
Accident and health insurance	24,913	283	570	25,200	2.3%
Total	\$ 27,215	\$ 603	\$ 602	\$ 27,214	2.2%

## Cigna Corporation and Subsidiaries

### Schedule V - Valuation and Qualifying Accounts and Reserves

(In millions) Description	Balance at beginning of year	Charged (Credited) to costs and expenses <sup>(1)</sup>	Charged (Credited) to other accounts	Other deductions <sup>(2)</sup>	Balance at end of year
<b>2016:</b>					
<b>Investment asset valuation reserves:</b>					
Commercial mortgage loans	\$ 15	\$ -	\$ -	\$ (10)	\$ 5
<b>Allowance for doubtful accounts:</b>					
Premiums, accounts and notes receivable	\$ 75	\$ 134	\$ (8)	\$ (1)	\$ 200
Deferred tax asset valuation allowance	\$ 71	\$ 21	\$ (5)	\$ -	\$ 87
Reinsurance recoverables	\$ 3	\$ -	\$ -	\$ -	\$ 3
<b>2015:</b>					
<b>Investment asset valuation reserves:</b>					
Commercial mortgage loans	\$ 12	\$ 7	\$ -	\$ (4)	\$ 15
<b>Allowance for doubtful accounts:</b>					
Premiums, accounts and notes receivable	\$ 101	\$ (10)	\$ (15)	\$ (1)	\$ 75
Deferred tax asset valuation allowance	\$ 49	\$ 8	\$ 14	\$ -	\$ 71
Reinsurance recoverables	\$ 4	\$ -	\$ (1)	\$ -	\$ 3
<b>2014:</b>					
<b>Investment asset valuation reserves:</b>					
Commercial mortgage loans	\$ 8	\$ 4	\$ -	\$ -	\$ 12
<b>Allowance for doubtful accounts:</b>					
Premiums, accounts and notes receivable	\$ 43	\$ 53	\$ 5	\$ -	\$ 101
Deferred tax asset valuation allowance	\$ 49	\$ 21	\$ (21)	\$ -	\$ 49
Reinsurance recoverables	\$ 4	\$ -	\$ -	\$ -	\$ 4

(1) Amounts for 2016 include risk corridor allowance. See Note 22 to the Consolidated Financial Statements for additional information.

(2) Amounts for commercial mortgage loans primarily reflect charge-offs upon sales and repayments, as well as transfers to foreclosed real estate.

# Index to Exhibits

Number	Description	Method of Filing
2.1	Agreement and Plan of Merger dated as of July 23, 2015 by and among Cigna Corporation, Anthem Inc., and Anthem Merger Sub Corp.	Filed as Exhibit 2.1 to the registrant's 8-K filed on July 27, 2015 and incorporated herein by reference.
3.1	Restated Certificate of Incorporation of the registrant as last amended October 28, 2011	Filed as Exhibit 3.1 to the registrant's Form 10-Q for the quarterly period ended September 30, 2011 and incorporated herein by reference.
3.2	By-Laws of the registrant as last amended and restated December 6, 2012	Filed as Exhibit 3.2 to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
4.1	(a) Indenture dated August 16, 2006 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 4.1(a) to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
	(b) Supplemental Indenture No. 1 dated November 10, 2006 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 4.1(b) to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
	(c) Supplemental Indenture No. 2 dated March 15, 2007 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 4.1(c) to the registrant's Form 10-Q for the quarterly period ended March 31, 2011 and incorporated herein by reference.
	(d) Supplemental Indenture No. 3 dated March 7, 2008 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 4.1 to the registrant's Form 8-K on March 10, 2008 and incorporated herein by reference.
	(f) Supplemental Indenture No. 5 dated May 17, 2010 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 99.2 to the registrant's Form 8-K on May 28, 2010 and incorporated herein by reference.
	(g) Supplemental Indenture No. 6 dated December 8, 2010 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 99.2 to the registrant's Form 8-K on December 9, 2010 and incorporated herein by reference.
	(h) Supplemental Indenture No. 7 dated March 7, 2011 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 99.2 to the registrant's Form 8-K on March 8, 2011 and incorporated herein by reference.
	(i) Supplemental Indenture No. 8 dated November 10, 2011 between Cigna Corporation and U.S. Bank National Association	Filed as Exhibit 4.1 to the registrant's Form 8-K on November 14, 2011 and incorporated herein by reference.
	(j) Supplemental Indenture No. 9 dated as of March 20, 2015, between Cigna Corporation and U.S. Bank National Association, as trustee.	Filed as Exhibit 4.1 to the registrant's Form 8-K on March 26, 2015 and incorporated herein by reference.
4.2	Indenture dated January 1, 1994 between Cigna Corporation and Marine Midland Bank	Filed as Exhibit 4.2 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
4.3	Indenture dated June 30, 1988 between Cigna Corporation and Bankers Trust	Filed as Exhibit 4.3 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
Exhibits 10.1 through 10.33 are identified as compensatory plans, management contracts or arrangements pursuant to Item 15 of Form 10-K.		
10.1	Deferred Compensation Plan for Directors of Cigna Corporation, as amended and restated January 1, 1997	Filed as Exhibit 10.1 to the registrant's Form 10-K for the year ended December 31, 2011 and incorporated herein by reference.
10.2	Deferred Compensation Plan of 2005 for Directors of Cigna Corporation, Amended and Restated effective April 28, 2010	Filed as Exhibit 10.2 to the registrant's Form 10-K for the year ended December 31, 2010 and incorporated herein by reference.
10.3	Cigna Corporation Non-Employee Director Compensation Program amended and restated effective February 26, 2014	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended March 31, 2014 and incorporated herein by reference.
10.4	Cigna Restricted Share Equivalent Plan for Non-Employee Directors as amended and restated effective January 1, 2008	Filed as Exhibit 10.4 to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
10.5	Cigna Corporation Director Equity Plan	Filed as Exhibit 10.3 to the registrant's Form 10-Q for the quarterly period ended March 31, 2010 and incorporated herein by reference.
10.6	Cigna Corporation Stock Plan, as amended and restated through July 2000	Filed as Exhibit 10.7 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
10.7	(a) Cigna Stock Unit Plan, as amended and restated effective July 22, 2008	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended September 30, 2008 and incorporated herein by reference.
	(b) Amendment No. 1 to the Cigna Stock Unit Plan, as amended and restated effective July 22, 2008	Filed as Exhibit 10.3 to the registrant's Form 10-Q for the quarterly period ended June 30, 2010 and incorporated herein by reference.
10.8	Cigna Executive Severance Benefits Plan as amended and restated effective April 27, 2010	Filed as Exhibit 10.2 to the registrant's Form 10-Q for the quarterly period ended June 30, 2010 and incorporated herein by reference.
10.9	Description of Severance Benefits for Executives in Non-Change of Control Circumstances	Filed as Exhibit 10.10 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
10.10	Cigna Executive Incentive Plan amended and restated as of January 1, 2012	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended March 31, 2012 and incorporated herein by reference.

## PART IV

## ITEM 15. Exhibits and Financial Statement Schedules

Number	Description	Method of Filing
10.11	(a) Cigna Long-Term Incentive Plan as amended and restated effective as of April 28, 2010	Filed as Exhibit 10.2 to the registrant's Form 10-Q for the quarterly period ended March 31, 2010 and incorporated herein by reference.
	(b) Amendment No. 1 to the Cigna Long-Term Incentive Plan as amended and restated effective as of April 28, 2010	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended June 30, 2010 and incorporated herein by reference.
	(c) Amendment No. 2 to the Cigna Long-Term Incentive Plan as amended and restated effective as of April 28, 2010	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended March 31, 2011 and incorporated herein by reference.
	(d) Amendment No. 3 to the Cigna Long-Term Incentive Plan as amended and restated effective as of April 28, 2010	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended March 31, 2013 and incorporated herein by reference.
10.12	Cigna Deferred Compensation Plan, as amended and restated October 24, 2001	Filed as Exhibit 10.14 to the registrant's Form 10-K for the year ended December 31, 2011 and incorporated herein by reference.
10.13	Cigna Deferred Compensation Plan of 2005 effective as of January 1, 2005	Filed as Exhibit 10.15 to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
10.14	(a) Cigna Supplemental Pension Plan as amended and restated effective August 1, 1998	Filed as Exhibit 10.15(a) to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
	(b) Amendment No. 1 to the Cigna Supplemental Pension Plan, amended and restated effective as of September 1, 1999	Filed as Exhibit 10.15(b) to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
	(c) Amendment No. 2 dated December 6, 2000 to the Cigna Supplemental Pension	Filed as Exhibit 10.16(c) to the registrant's Form 10-K for the year ended December 31, 2011 and incorporated herein by reference.
10.15	(a) Cigna Supplemental Pension Plan of 2005 effective as of January 1, 2005	Filed as Exhibit 10.15 to the registrant's Form 10-K for the year ended December 31, 2007 and incorporated herein by reference.
	(b) Amendment No. 1 to the Cigna Supplemental Pension Plan of 2005	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the quarterly period ended June 30, 2009 and incorporated herein by reference.
10.16	Cigna Supplemental 401(k) Plan effective January 1, 2010	Filed as Exhibit 10.17 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
10.17	Description of Cigna Corporation Financial Services Program	Filed as Exhibit 10.18 to the registrant's Form 10-K for the year ended December 31, 2009 and incorporated herein by reference.
10.18	Form of Cigna Long-Term Incentive Plan: Strategic Performance Share Grant Agreement	Filed as Exhibit 10.2 to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.
10.19	Form of Cigna Long-Term Incentive Plan: Nonqualified Stock Option Grant Agreement	Filed as Exhibit 10.3 to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.
10.20	Form of Cigna Long-Term Incentive Plan: Restricted Stock Grant Agreement	Filed as Exhibit 10.4 to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.
10.21	Form of Cigna Long-Term Incentive Plan: Restricted Stock Unit Grant Agreement	Filed as Exhibit 10.5 to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.
10.22	Schedule regarding Amended Deferred Stock Unit Agreements effective December 31, 2008 with John M. Murabito and Form of Amended Deferred Stock Unit Agreement	Filed as Exhibit 10.20 to the registrant's Form 10-K for the year ended December 31, 2008 and incorporated herein by reference.
10.23	Nicole Jones' Offer of Employment dated April 27, 2011	Filed as Exhibit 10.2 to the registrant's Form 10-Q for the period ended March 31, 2012 and incorporated herein by reference.
10.24	Matthew Manders' Promotion Letter dated June 2, 2014	Filed as Exhibit 10.1 to the registrant's Form 8-K filed on June 4, 2014 and incorporated herein by reference.
10.25	Thomas A. McCarthy's Offer Letter dated May 9, 2013	Filed as Exhibit 10.1 to the registrant's Form 8-K filed on May 13, 2013 and incorporated herein by reference.
10.26	Employment Agreement for Jason D. Sadler dated May 7, 2010	Filed as Exhibit 10.1(a) to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.
10.27	Promotion letter for Jason Sadler dated June 2, 2014	Filed as Exhibit 10.1(b) to the registrant's Form 10-Q for the period ended March 31, 2015 and incorporated herein by reference.



Number	Description	Method of Filing
10.28	(a) Retention Agreement with Herbert Fritch dated October 24, 2011	Filed as Exhibit 10.1 to the registrant's Form 10-Q for the period ended March 31, 2013 and incorporated herein by reference.
	(b) Agreement dated December 7, 2011 with Herbert Fritch	Filed as Exhibit 10.2 to the registrant's Form 10-Q for the period ended March 31, 2013 and incorporated herein by reference.
	(c) Retention Agreement with Herbert Fritch dated September 15, 2014.	Filed as Exhibit 10.1 to the registrant's Form 8-K filed on September 19, 2014 and incorporated herein by reference.
10.29	Agreement and Release between Cigna Corporation and Herbert A. Fritch dated October 20, 2016	Filed as Exhibit 10.1 to the registrant's Form 8-K filed on October 21, 2016 and incorporated herein by reference
10.30	Advisory Services Agreement between Cigna Corporation and Herbert A. Fritch dated October 20, 2016	Filed as Exhibit 10.2 to the registrant's Form 8-K filed on October 21, 2016 and incorporated herein by reference
10.31	HealthSpring, Inc. Amended and Restated 2006 Equity Incentive Plan (the "HealthSpring Equity Incentive Plan")	Filed as Exhibit 10.3 to the registrant's Form 10-Q for the period ended March 31, 2013 and incorporated herein by reference.
10.32	HealthSpring Equity Incentive Plan: Form of Restricted Share Award	Filed as Exhibit 10.4 to the registrant's Form 10-Q for the period ended March 31, 2013 and incorporated herein by reference.
10.33	HealthSpring Equity Incentive Plan: Form of Non-Qualified Stock Option Agreement	Filed as Exhibit 10.5 to the registrant's Form 10-Q for the period ended March 31, 2013 and incorporated herein by reference.
10.34	Master Transaction Agreement, dated February 4, 2013 among Connecticut General Life Insurance Company, Berkshire Hathaway Life Insurance Company of Nebraska and, solely for purposes of Sections 3.10, 6.1, 6.3, 6.4, 6.6, 6.9 and Articles II, V, VII, and VIII, thereof, National Indemnity Company (including the Forms of Retrocession Agreement, the Collateral Trust Agreement, the Security and Control Agreement, the Surety Policy and the ALC Model Purchase Option Agreement as exhibits)	Filed as Exhibit 10.29 to the registrant's Form 10-K for the year ended December 31, 2012 and incorporated herein by reference.
12	Computation of Ratios of Earnings to Fixed Charges	Filed herewith.
21	Subsidiaries of the Registrant	Filed herewith.
23	Consent of Independent Registered Public Accounting Firm	Filed herewith.
31.1	Certification of Chief Executive Officer of Cigna Corporation pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934	Filed herewith.
31.2	Certification of Chief Financial Officer of Cigna Corporation pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934	Filed herewith.
32.1	Certification of Chief Executive Officer of Cigna Corporation pursuant to Rule 13a-14(b) or Rule 15d-14(b) and 18 U.S.C. Section 1350	Furnished herewith.
32.2	Certification of Chief Financial Officer of Cigna Corporation pursuant to Rule 13a-14(b) or Rule 15d-14(b) and 18 U.S.C. Section 1350	Furnished herewith.
101	The following materials from Cigna Corporation's Annual Report on Form 10-K for the year ended December 31, 2016, formatted in XBRL (Extensible Business Reporting Language): (i) the Consolidated Balance Sheets; (ii) the Consolidated Statements of Income; (iii) the Consolidated Statements of Comprehensive Income; (iv) the Consolidated Statements of Cash Flows; (v) the Consolidated Statements of Changes in Total Equity; (vi) the Notes to Consolidated Financial Statements and (vii) Financial Statement Schedules I, II, III, IV and V.	Filed herewith.

\* Schedules have been omitted pursuant to Item 601(b)(2) of Regulation S-K. The Company agrees to furnish supplementally to the Securities and Exchange Commission a copy of any omitted schedule upon request.

The registrant will furnish to the Commission upon request of any other instruments defining the rights of holders of long-term debt.

Shareholders may obtain copies of exhibits by writing to Cigna Corporation, Shareholder Services Department, 1601 Chestnut Street, Philadelphia, PA 19192.

**EXHIBIT 12 Cigna Corporation - Computation of Ratio of Earnings to Fixed Charges***(Dollars in millions)*

<b>Year Ended December 31,</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Income before income taxes	<b>\$ 2,979</b>	\$ 3,327	\$ 3,304	\$ 2,176	\$ 2,477
<b>Adjustments:</b>					
(Income) loss from equity investee, net <sup>(1)</sup>	<b>45</b>	3	(18)	(17)	(10)
(Income) loss attributable to noncontrolling interests	<b>24</b>	17	5	(3)	(1)
Income before income taxes, as adjusted	<b>\$ 3,048</b>	\$ 3,347	\$ 3,291	\$ 2,156	\$ 2,466
<b>Fixed charges included in income:</b>					
Interest expense	<b>\$ 251</b>	\$ 252	\$ 265	\$ 270	\$ 268
Interest portion of rental expense	<b>50</b>	54	50	38	43
Interest credited to contractholders	<b>1</b>	1	3	5	4
	<b>\$ 302</b>	\$ 307	\$ 318	\$ 313	\$ 315
Income available for fixed charges	<b>\$ 3,350</b>	\$ 3,654	\$ 3,609	\$ 2,469	\$ 2,781
Ratio of earnings to fixed charges:	<b>11.1</b>	11.9	11.3	7.9	8.8

*(1) Beginning in 2015, net of distributions received from equity method investments*

## EXHIBIT 21 Subsidiaries of the Registrant

Listed below are subsidiaries of Cigna Corporation as of December 31, 2016 with their jurisdictions of organization. Those subsidiaries not listed would not, in the aggregate, constitute a “significant subsidiary” of Cigna Corporation, as that term is defined in Rule 1-02(w) of Regulation S-X.

Entity Name	Jurisdiction
Allegiance Life & Health Insurance Company, Inc.	Montana
Allegiance Re, Inc.	Montana
American Retirement Life Insurance Company	Ohio
Benefits Management Corp.	Montana
Bravo Health Mid-Atlantic, Inc.	Maryland
Bravo Health of Pennsylvania, Inc.	Pennsylvania
CareAllies, Inc.	Delaware
Central Reserve Life Insurance Company	Ohio
Ceres Sales of Ohio, LLC	Ohio
Cigna & CMB Life Insurance Company Limited	China
Cigna Alder Holdings, LLC	Delaware
Cigna Apac Holdings Limited	Bermuda
Cigna Arbor Life Insurance Company	Connecticut
Cigna Beechwood Holdings, SdC/MTS	Belgium
Cigna Behavioral Health of California, Inc.	California
Cigna Behavioral Health of Texas, Inc.	Texas
Cigna Behavioral Health, Inc.	Minnesota
Cigna Bellevue Alpha, LLC	Delaware
Cigna Benefits Financing, Inc.	Delaware
Cigna Brokerage & Marketing (Thailand) Limited	Thailand
Cigna Cedar Holdings, Ltd.	Malta
Cigna Chestnut Holdings, Ltd.	United Kingdom
Cigna Corporate Services, LLC	Delaware
Cigna Data Services (Shanghai) Company Limited	China
Cigna Dental Health of California, Inc.	California
Cigna Dental Health of Colorado, Inc.	Colorado
Cigna Dental Health of Delaware, Inc.	Delaware
Cigna Dental Health of Florida, Inc.	Florida
Cigna Dental Health of Illinois, Inc.	Illinois
Cigna Dental Health of Kansas, Inc.	Kansas
Cigna Dental Health of Kentucky, Inc.	Kentucky
Cigna Dental Health of Maryland, Inc.	Maryland
Cigna Dental Health of Missouri, Inc.	Missouri
Cigna Dental Health of New Jersey, Inc.	New Jersey
Cigna Dental Health of North Carolina, Inc.	North Carolina
Cigna Dental Health of Ohio, Inc.	Ohio
Cigna Dental Health of Pennsylvania, Inc.	Pennsylvania
Cigna Dental Health of Texas, Inc.	Texas
Cigna Dental Health of Virginia, Inc.	Virginia
Cigna Dental Health Plan of Arizona, Inc.	Arizona
Cigna Dental Health, Inc.	Florida
Cigna Elmwood Holdings, SPRL	Belgium
Cigna Europe Insurance Company S.A.-N.V.	Belgium
Cigna European Services (UK) Limited	United Kingdom
Cigna Finans Emeklilik ve Hayat A.S.	Turkey
Cigna Global Holdings, Inc.	Delaware
Cigna Global Insurance Company Limited	Guernsey, C.I
Cigna Global Reinsurance Company, Ltd.	Bermuda
Cigna Global Wellbeing Holdings Limited	United Kingdom
Cigna Global Wellbeing Solutions Limited	United Kingdom
Cigna Health and Life Insurance Company	Connecticut
Cigna Health Corporation	Delaware
Cigna Health Management, Inc.	Delaware
Cigna Health Solutions India Pvt. Ltd.	India
Cigna Healthcare Holdings, Inc.	Colorado
Cigna Healthcare Mid-Atlantic, Inc.	Maryland
Cigna Healthcare of Arizona, Inc.	Arizona
Cigna Healthcare of California, Inc.	California
Cigna Healthcare of Colorado, Inc.	Colorado
Cigna Healthcare of Connecticut, Inc.	Connecticut
Cigna Healthcare of Florida, Inc.	Florida
Cigna Healthcare of Georgia, Inc.	Georgia
Cigna Healthcare of Illinois, Inc.	Illinois
Cigna Healthcare of Indiana, Inc.	Indiana
Cigna Healthcare of Maine, Inc.	Maine
Cigna Healthcare of Massachusetts, Inc.	Massachusetts
Cigna Healthcare of New Hampshire, Inc.	New Hampshire
Cigna Healthcare of New Jersey, Inc.	New Jersey
Cigna Healthcare of North Carolina, Inc.	North Carolina

## PART IV

## ITEM 15. Exhibits and Financial Statement Schedules

Entity Name	Jurisdiction
Cigna Healthcare of Pennsylvania, Inc.	Pennsylvania
Cigna Healthcare of South Carolina, Inc.	South Carolina
Cigna Healthcare of St. Louis, Inc.	Missouri
Cigna Healthcare of Tennessee, Inc.	Tennessee
Cigna Healthcare of Texas, Inc.	Texas
Cigna Healthcare of Utah, Inc.	Utah
Cigna HLA Technology Services Company Limited	Hong Kong
Cigna Holdings Overseas, Inc.	Delaware
Cigna Holdings, Inc.	Delaware
Cigna Hong Kong Holdings Company Limited	Hong Kong
Cigna Insurance Public Company Limited	Thailand
Cigna Insurance Services (Europe) Limited	United Kingdom
Cigna Intellectual Property, Inc.	Delaware
Cigna International Corporation	Delaware
Cigna International Health Services Kenya Limited	Kenya
Cigna International Health Services SDN BHD	Malaysia
Cigna International Health Services BVBA	Belgium
Cigna International Health Services, LLC	Florida
Cigna International Services Australia Pty. Ltd.	Australia
Cigna Investment Group, Inc.	Delaware
Cigna Investments, Inc.	Delaware
Cigna Korea Chusik Hoesa	Korea
Cigna Laurel Holdings, Ltd.	Bermuda
Cigna Legal Protection UK Ltd.	United Kingdom
Cigna Life Insurance Company of Canada	Canada
Cigna Life Insurance Company of Europe S.A.- N.V.	Belgium
Cigna Life Insurance Company of New York	New York
Cigna Life Insurance New Zealand Limited	New Zealand
Cigna Linden Holdings, Inc.	Delaware
Cigna Magnolia Holdings, Ltd.	Bermuda
Cigna Myrtle Holdings, Ltd.	Malta
Cigna Nederland Alpha Cooperatief U.A.	Netherlands
Cigna Nederland Beta N.V.	Netherlands
Cigna Nederland Gamma N.V.	Netherlands
Cigna Oak Holdings, Ltd.	United Kingdom
Cigna Palmetto Holdings, Ltd.	Bermuda
Cigna Poplar Holdings, Inc.	Delaware
Cigna Saico Benefits Services WLL	Bahrain
Cigna Sequoia Holdings, SPRL	Belgium
Cigna Taiwan Life Assurance Company Limited	Taiwan
CignaTTK Health Insurance Company Limited	India
Cigna Walnut Holdings, Ltd.	United Kingdom
Cigna Willow Holdings, Ltd.	United Kingdom
Cigna Worldwide General Insurance Company Limited	Hong Kong
Cigna Worldwide Insurance Company	Delaware
Cigna Worldwide Life Insurance Company Limited	Hong Kong
Connecticut General Corporation	Connecticut
Connecticut General Life Insurance Company	Connecticut
FirstAssist Administration Limited	United Kingdom
Great-West Healthcare of Illinois, Inc.	Illinois
Grown Ups New Zealand Limited	New Zealand
Health-Lynx	New Jersey
Healthsource, Inc.	New Hampshire
HealthSpring, Inc.	Delaware
HealthSpring of Alabama, Inc	Alabama
HealthSpring of Florida, Inc.	Florida
HealthSpring Life & Health Insurance Company, Inc.	Texas
HealthSpring of Tennessee, Inc.	Tennessee
KDM Thailand Limited	Thailand
Life Insurance Company of North America	Pennsylvania
LINA Financial Service	Korea
LINA Life Insurance Company of Korea	Korea
Loyal American Life Insurance Company	Ohio
MCC Independent Practice Association of New York, Inc.	New York
NewQuest, LLC	Texas
NewQuest Management Northeast, LLC	Delaware
Olympic Health Management Services, Inc.	Washington
Provident American Life and Health Insurance Company	Ohio
PT Asuransi Cigna	Indonesia
Qualcare Alliance Networks, Inc.	New Jersey
Qualcare Captive Insurance Company Inc. PCC	New Jersey
Qualcare Management Resources Limited Liability Company	New Jersey

<b>Entity Name</b>	<b>Jurisdiction</b>
Qualcare, Inc.	New Jersey
RHP (Thailand) Limited	Thailand
Scibal Associates, Inc.	New Jersey
Sterling Life Insurance Company	Illinois
Tel Drug, Inc.	South Dakota
Tel Drug of Pennsylvania, LLC	Pennsylvania
Temple Insurance Company Limited	Bermuda
United Benefit Life Insurance Company	Ohio

**PART IV**

ITEM 15. Exhibits and Financial Statement Schedules

## **EXHIBIT 23 Consent of Independent Registered Public Accounting Firm**

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We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (No. 333-179307, No. 333-166583, No. 333-163899, No. 333-147994, No. 333-64207, No. 333-129395, No. 333-107839, No. 333-90785, No. 333-64207, No. 333-31903, No. 333-22391, No. 033-60053 and No. 033-51791) of Cigna Corporation of our reports dated February 23, 2017 relating to the financial statements, the financial statement schedules and the effectiveness of internal control over financial reporting, which appear in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP

Hartford, Connecticut

*February 23, 2017*

## EXHIBIT 31.1 Certification

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I, DAVID M. CORDANI, certify that:

1. I have reviewed this Annual Report on Form 10-K of Cigna Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, 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;
  - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

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/s/ DAVID M. CORDANI

*Chief Executive Officer*

Date: February 23, 2017



## EXHIBIT 31.2 Certification

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I, THOMAS A. MCCARTHY, certify that:

1. I have reviewed this Annual Report on Form 10-K of Cigna Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, 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;
  - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

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/s/ THOMAS A. MCCARTHY

*Chief Financial Officer*

Date: February 23, 2017

## EXHIBIT 32.1 Certification of Chief Executive Officer of Cigna Corporation pursuant to 18 U.S.C. Section 1350

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I certify that, to the best of my knowledge and belief, the Annual Report on Form 10-K of Cigna Corporation for the fiscal period ending December 31, 2016 (the "Report"):

- (1) complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Cigna Corporation.

/s/ DAVID M. CORDANI

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**David M. Cordani**  
*Chief Executive Officer*  
February 23, 2017

## EXHIBIT 32.2 Certification of Chief Financial Officer of Cigna Corporation pursuant to 18 U.S.C. Section 1350

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I certify that, to the best of my knowledge and belief, the Annual Report on Form 10-K of Cigna Corporation for the fiscal period ending December 31, 2016 (the "Report"):

- (1) complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Cigna Corporation.

/s/ THOMAS A. MCCARTHY

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**Thomas A. McCarthy**  
Chief Financial Officer  
February 23, 2017