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Express Scripts Holding Co.
Form 10-Q
October 31, 2018
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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

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

For the quarterly period ended September 30, 2018.

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: 1-35490

EXPRESS SCRIPTS HOLDING COMPANY
(Exact name of registrant as specified in its charter)

Delaware	45-2884094
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)

One Express Way, St. Louis, MO	63121
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code: (314) 996-0900

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

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

Large accelerated filer Accelerated filer

Non-accelerated filer Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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

Common stock outstanding as of October 26, 2018: 563,860,000 Shares

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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements

EXPRESS SCRIPTS HOLDING COMPANY

Unaudited Consolidated Balance Sheet

(in millions)	September 30, 2018	December 31, 2017
Assets		
Current assets:		
Cash and cash equivalents	\$ 3,705.7	\$ 2,309.6
Receivables, net	7,824.1	7,056.3
Inventories	2,168.9	2,124.9
Prepaid expenses and other current assets	653.5	466.3
Total current assets	14,352.2	11,957.1
Property and equipment, net	490.9	551.3
Computer software, net	827.5	814.9
Goodwill	31,110.5	31,099.7
Other intangible assets, net	8,425.5	9,625.9
Other assets	235.0	206.9
Total assets	\$ 55,441.6	\$ 54,255.8
Liabilities and stockholders' equity		
Current liabilities:		
Claims and rebates payable	\$ 10,190.2	\$ 10,188.5
Accounts payable	4,412.9	3,755.7
Accrued expenses	2,067.0	2,869.3
Short-term debt and current maturities of long-term debt	2,021.3	1,032.9
Total current liabilities	18,691.4	17,846.4
Long-term debt	12,974.2	14,981.5
Deferred taxes	2,347.8	2,562.4
Other liabilities	855.4	740.2
Total liabilities	34,868.8	36,130.5
Commitments and contingencies (Note 12)		
Stockholders' equity:		
Preferred stock, 15.0 shares authorized, \$0.01 par value per share; no shares issued and outstanding	—	—
Common stock, 2,985.0 shares authorized, \$0.01 par value; shares issued: 866.9 and 862.3, respectively; shares outstanding: 563.6 and 564.4, respectively	8.7	8.6
Additional paid-in capital	23,826.8	23,537.8
Accumulated other comprehensive loss	(6.5)	(2.9)
Retained earnings	18,890.7	16,318.6
	42,719.7	39,862.1
Common stock in treasury at cost, 303.3 and 297.9 shares, respectively	(22,153.8)	(21,742.5)
Total Express Scripts stockholders' equity	20,565.9	18,119.6
Non-controlling interest	6.9	5.7
Total stockholders' equity	20,572.8	18,125.3
Total liabilities and stockholders' equity	\$ 55,441.6	\$ 54,255.8
See accompanying Notes to Unaudited Consolidated Financial Statements		

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EXPRESS SCRIPTS HOLDING COMPANY

Unaudited Consolidated Statement of Operations

	Three Months Ended September 30,		Nine Months Ended September 30,	
(in millions, except per share data)	2018	2017	2018	2017
Revenues	\$25,563.2	\$24,683.4	\$75,974.4	\$74,685.8
Cost of revenues	23,211.8	22,445.7	69,539.4	68,414.2
Gross profit	2,351.4	2,237.7	6,435.0	6,271.6
Selling, general and administrative	862.8	759.3	2,672.6	2,360.0
Operating income	1,488.6	1,478.4	3,762.4	3,911.6
Other (expense) income:				
Interest income and other	13.0	13.6	33.8	28.7
Interest expense and other	(151.0)	(147.7)	(456.3)	(439.9)
	(138.0)	(134.1)	(422.5)	(411.2)
Income before income taxes	1,350.6	1,344.3	3,339.9	3,500.4
Provision for income taxes	276.8	499.3	760.8	1,299.6
Net income	1,073.8	845.0	2,579.1	2,200.8
Less: Net income attributable to non-controlling interest	2.2	3.3	7.0	11.0
Net income attributable to Express Scripts	\$1,071.6	\$841.7	\$2,572.1	\$2,189.8
Weighted-average number of common shares outstanding during the period:				
Basic	562.9	571.8	562.5	585.1
Diluted	567.9	574.7	566.8	588.4
Earnings per share:				
Basic	\$1.90	\$1.47	\$4.57	\$3.74
Diluted	\$1.89	\$1.46	\$4.54	\$3.72
See accompanying Notes to Unaudited Consolidated Financial Statements				

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EXPRESS SCRIPTS HOLDING COMPANY

Unaudited Consolidated Statement of Comprehensive Income

	Three Months Ended September 30,		Nine Months Ended September 30,	
(in millions)	2018	2017	2018	2017
Net income	\$1,073.8	\$845.0	\$2,579.1	\$2,200.8
Other comprehensive income (loss):				
Foreign currency translation adjustment	1.5	3.7	(3.6	) 8.4
Comprehensive income	1,075.3	848.7	2,575.5	2,209.2
Less: Comprehensive income attributable to non-controlling interest	2.2	3.3	7.0	11.0
Comprehensive income attributable to Express Scripts	\$1,073.1	\$845.4	\$2,568.5	\$2,198.2
See accompanying Notes to Unaudited Consolidated Financial Statements				

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EXPRESS SCRIPTS HOLDING COMPANY

Unaudited Consolidated Statement of Changes in Stockholders' Equity

(in millions)	Number of Shares		Amount		Accumulated Other Comprehensive Loss	Retained Earnings	Treasury Stock	Non-controlling Interest	Total
	Common Stock	Common Stock	Additional Paid-in Capital						

Balance at December 31, 2017	862.3	\$8.6	\$23,537.8	\$ (2.9)	\$16,318.6	\$(21,742.5)	\$ 5.7	\$18,125.3
Net income	—	—	—	—	2,572.1	—	7.0	2,579.1
Other comprehensive loss	—	—	—	(3.6)	—	—	—	(3.6)
Treasury stock acquired	—	—	—	—	—	(411.3)	—	(411.3)
Changes in stockholders' equity related to employee stock plans	4.6	0.1	289.0	—	—	—	—	289.1
Distributions to non-controlling interest, net of contributions	—	—	—	—	—	—	(5.8)	(5.8)
Balance at September 30, 2018	866.9	\$8.7	\$23,826.8	\$ (6.5)	\$18,890.7	\$(22,153.8)	\$ 6.9	\$20,572.8

See accompanying Notes to Unaudited Consolidated Financial Statements

See accompanying Notes to Unaudited Consolidated Financial Statements

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EXPRESS SCRIPTS HOLDING COMPANY

Unaudited Consolidated Statement of Cash Flows

Nine Months Ended

September 30,

(in millions)	2018		2017	
Cash flows from operating activities:				
Net income	\$ 2,579.1		\$ 2,200.8	
Adjustments to reconcile net income to net cash provided by operating activities:				
Depreciation and amortization	1,500.2		1,344.2	
Deferred income taxes	(207.3)	)	(247.5)	)
Employee stock-based compensation expense	89.7		78.0	
Other, net	20.7		24.2	
Changes in operating assets and liabilities:				
Receivables	(792.5)	)	161.2	
Inventories	(44.1)	)	(93.8)	)
Other current and noncurrent assets	(187.1)	)	(88.8)	)
Claims and rebates payable	(0.4)	)	642.6	
Accounts payable	680.1		475.4	
Accrued expenses	(750.9)	)	(659.3)	)
Other noncurrent liabilities	100.8		144.5	
Net cash flows provided by operating activities	2,988.3		3,981.5	
Cash flows from investing activities:				
Capital expenditures for property and equipment and computer software	(241.3)	)	(177.3)	)
Acquisitions, net of cash acquired	(26.4)	)	(122.7)	)
Other, net	(28.3)	)	(11.3)	)
Net cash used in investing activities	(296.0)	)	(311.3)	)
Cash flows from financing activities:				
Repayment of long-term debt	(831.4)	)	(650.0)	)

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Treasury stock acquired	(420.7)	)	(2,735.7)	)
Net proceeds from employee stock plans	198.9		51.3	
Commercial paper repayments, net	(195.0)	)	—	
Other, net	(43.4)	)	(22.5)	)
Net cash used in financing activities	(1,291.6)	)	(3,356.9)	)
Effect of foreign currency translation adjustment	(4.6)	)	5.4	
Net increase in cash and cash equivalents	1,396.1		318.7	
Cash and cash equivalents at beginning of period	2,309.6		3,077.2	
Cash and cash equivalents at end of period	\$ 3,705.7		\$ 3,395.9	

See accompanying Notes to Unaudited Consolidated Financial Statements

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EXPRESS SCRIPTS HOLDING COMPANY

NOTES TO UNAUDITED CONSOLIDATED FINANCIAL STATEMENTS

Note 1 - Summary of significant accounting policies

Our significant accounting policies, normally included in financial statements prepared in conformity with generally accepted accounting principles, have been omitted from this Form 10-Q pursuant to the rules and regulations of the Securities and Exchange Commission (“SEC”). We believe the disclosures contained in this Form 10-Q are adequate to fairly state the information when read in conjunction with the Notes to the Consolidated Financial Statements included in our consolidated financial statements for the year ended December 31, 2017, included in Item 8 - Consolidated Financial Statements and Supplementary Data, included in our Annual Report on Form 10-K filed with the SEC on February 27, 2018. For a description of our accounting policies, refer to the Notes to the Consolidated Financial Statements included therein.

We believe the accompanying unaudited consolidated financial statements reflect all adjustments (consisting of only normal recurring adjustments) necessary to state fairly the unaudited consolidated balance sheet as of September 30, 2018, the consolidated balance sheet as of December 31, 2017, the unaudited consolidated statement of operations and unaudited consolidated statement of comprehensive income for each of the three and nine months ended September 30, 2018 and 2017, the unaudited consolidated statement of changes in stockholders’ equity for the nine months ended September 30, 2018, and the unaudited consolidated statement of cash flows for the nine months ended September 30, 2018 and 2017. Certain amounts in the prior year have been reclassified to conform to the current year presentation. Operating results for the three and nine months ended September 30, 2018 are not necessarily indicative of the results that may be expected for the year ending December 31, 2018.

Subsequent to December 15, 2017, the date of acquisition, our Other Business Operations segment includes medical benefit management services provided by CareCore National Group, LLC and its affiliates d/b/a eviCore healthcare (“eviCore”). See Note 5 - Acquisition for further description. Prior to December 27, 2017, our Other Business Operations segment also included consulting services for pharmaceutical and biotechnology manufacturers to collect scientific evidence to guide the safe, effective and affordable use of medicines. These services were provided by United BioSource Holdings, Inc. (“UBC”), which we sold on December 27, 2017.

On March 8, 2018, we entered into an Agreement and Plan of Merger, as amended by Amendment No. 1, dated as of June 27, 2018, and as it may be further amended from time to time (the “Merger Agreement”), with Cigna Corporation (“Cigna”) and certain subsidiaries of Cigna whereby Cigna will acquire Express Scripts Holding Company (“Express Scripts” or the “Company”) in a cash and stock transaction valued on announcement at approximately \$67.0 billion, including Cigna’s assumption of approximately \$15.0 billion in Express Scripts debt. The merger consideration per share of Company common stock will consist of (i) 0.2434 of a fully paid and nonassessable share of common stock of the combined company and (ii) the right to receive \$48.75 in cash, without interest. Upon closing of the transaction, Cigna stockholders are expected to own approximately 64% of the combined company and Express Scripts stockholders are expected to own approximately 36%. Consummation of the mergers is subject to certain customary conditions, including approval by the holders of a majority of the outstanding shares of Company common stock entitled to vote on the adoption of the Merger Agreement and approval by the holders of a majority of the outstanding shares of Cigna common stock entitled to vote on the adoption of the Merger Agreement (the shares of common stock of the combined company to be issued in the merger having been approved for listing on the New York Stock Exchange), the receipt of certain necessary governmental and regulatory approvals without the imposition of Burdensome Conditions (as defined in the Merger Agreement), the lack of any pending action or proceeding instituted by certain governmental entities to enjoin, restrain or prohibit the merger, and the receipt by each of the Company and Cigna of certain tax opinions. At a special meeting of stockholders held on August 24, 2018, Express Scripts’ stockholders approved the adoption of the Merger Agreement. Also on August 24, 2018, Cigna’s stockholders approved the adoption of the Merger Agreement. On September 17, 2018, the U.S. Department of Justice (the “DOJ”) cleared the pending merger, terminating the applicable waiting period under the Hart-Scott-Rodino Antitrust Improvements Act of 1976. The transaction remains subject to certain state regulatory approvals and filings required in connection with the transaction, including clearances from certain departments of insurance and the satisfaction of all closing conditions. The mergers are expected to be completed by December 31, 2018. Until the closing, we will

continue to operate as an independent company.

Adopted new accounting guidance. In May 2014, the Financial Accounting Standards Board (“FASB”) issued ASU 2014-09, Revenue from Contracts with Customers (ASC Topic 606), which supersedes ASC Topic 605, Revenue Recognition. The new standard requires companies to recognize revenues upon transfer of goods or services to customers in amounts that reflect the consideration the company expects to receive in exchange for those goods or services. We adopted ASC Topic 606, as of January 1, 2018, using the modified retrospective method applied to all contracts. The effect of initially applying the new revenue standard did not result in an opening balance adjustment to retained earnings as of the beginning of the earliest

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comparative period presented; however, it did result in an increase to both revenues and cost of revenues beginning with the period ended March 31, 2018. The following are the impacts of the new revenue standard upon adoption: results in reclassifications between revenues and cost of revenues, provides new guidance for evaluating performance obligations, which affects how we interpret the nature of our promises to customers, the control we have in PBM arrangements, and the principal-agent analysis, and results in changing recognition of certain contracts from net to gross, and requires non-cash consideration associated with a certain contract where the client replenishes inventory to be recognized at fair value.

These changes resulted in an increase to both revenues and cost of revenues of \$849.4 million and \$2,433.5 million for the three and nine months ended September 30, 2018, respectively, with no impact to gross profit.

In August 2016, the FASB issued ASU 2016-15, Statement of Cash Flows (Topic 230), Classification of Certain Cash Receipts and Cash Payments. The guidance addresses the classification of cash flow related to (1) debt prepayment or extinguishment costs, (2) settlement of zero-coupon debt instruments or other debt instruments with coupon rates that are insignificant in relation to the effective interest rate of the borrowing, (3) contingent consideration payments made after a business combination, (4) proceeds from the settlement of insurance claims, (5) proceeds from the settlement of corporate-owned life insurance, including bank-owned life insurance, (6) distributions received from equity method investees and (7) beneficial interests in securitization transactions. The guidance also clarifies how the predominance principle should be applied when cash receipts and cash payments have aspects of more than one class of cash flows. The guidance is effective for financial statements issued for annual reporting periods beginning after December 15, 2017, and applied retrospectively. In November 2016, the FASB issued ASU 2016-18, Statement of Cash Flows (Topic 230), Restricted Cash. This guidance requires amounts generally described as restricted cash and restricted cash equivalents be included with cash and cash equivalents when reconciling the beginning-of-period and end-of-period total amounts shown on the statement of cash flows. We adopted these ASUs effective January 1, 2018, retrospectively, with no significant impact on our consolidated financial statements for the three and nine months ended September 30, 2018 and 2017. In certain historical periods, debt extinguishment costs were reclassified from an operating activity to a financing activity as a result of adoption.

New accounting guidance not yet adopted. In February 2016, the FASB issued ASU 2016-02, Leases (ASC Topic 842), which supersedes ASC Topic 840, Leases. This ASU is intended to increase transparency and comparability of organizations by recognizing lease assets and liabilities on the balance sheet and disclosing key information about leasing arrangements. The new guidance is effective for financial statements issued for annual reporting periods beginning after December 15, 2018, and early application is permitted. We are currently evaluating the impact of this standard on our consolidated financial statements.

Note 2 - Revenue

Revenues are recognized when control of the promised goods or services is transferred to our customers, in an amount that reflects the consideration we expect to be entitled to in exchange for those goods or services.

Revenue recognition - PBM. Revenues from our PBM segment are earned by dispensing prescriptions from our home delivery and specialty pharmacies, processing claims for prescriptions filled by retail pharmacies in our networks, and providing services to drug manufacturers, including administration of discount programs (see also "Rebate accounting" below).

Our PBM contracts with customers generally obligate us to provide prescription drugs to the client's members through multiple distribution methods, including retail network, home delivery, and specialty pharmacies as needed. We provide a service of integrating the goods and services selected by our clients into one overall output for which the client has contracted. Thus, PBM contracts generally contain a single performance obligation. We have elected the practical expedient to account for shipping and handling as a fulfillment activity. The nature of our performance obligation is to stand ready to process claims, dispense prescription drugs, and provide other services over the contractual period (generally three years). The quantity or timing of the service provided is in the control of our clients' members. As such, our performance obligation forms a series of distinct periods of time over which we stand ready to perform. Our performance obligation is satisfied as we complete each period's (day's) obligations.

Consideration from PBM contracts is variable in nature because fees are based on services provided to members and claims processed, which can vary from period to period and are outside of our control. Fees are invoiced to our clients either on a periodic basis (e.g., monthly) or as service is provided (e.g., based on volume of claims processed or other service provided) and payment terms are generally due within 30 days. Variable consideration in our PBM contracts meets the criteria to be

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allocated to the distinct period of time to which it occurs because (i) it is related to the activities performed to satisfy the performance obligation during that period and (ii) it represents the value provided to our customers over the contract term.

Revenues related to dispensing prescription drugs by retail pharmacies in our networks consist of the prescription price (ingredient cost plus dispensing fee) negotiated with our clients, including the portion to be settled directly by the member (co-payment), plus any associated fees for services. The variable consideration associated with retail network transactions is recognized as revenue when claims are adjudicated. We act as a principal in the arrangement and we include the total prescription price as revenues. Through adjudication, we control the process of dispensing the drug even though physical delivery is provided by a retail network pharmacy. When a prescription is presented by a member to a retail pharmacy within our network, we are solely responsible for confirming member eligibility, performing drug utilization review, reviewing for drug-to-drug interactions, performing clinical intervention which may involve a call to the member's physician, communicating plan provisions to the pharmacy, directing payment to the pharmacy and billing the client for the amount it is contractually obligated to pay us for the prescription dispensed, as specified within our client contracts. We also provide benefit design and formulary consultation services to clients. We have separately negotiated contractual relationships with our clients and with network pharmacies. These factors indicate we have control over the transaction before the prescription is transferred to the member and, thus, that we are acting as a principal. As such, we record the total prescription price contracted with clients in revenues.

In retail pharmacy transactions, amounts paid to pharmacies and amounts charged to clients are always exclusive of the applicable co-payment. Retail pharmacy co-payments, which we instruct retail pharmacies to collect from members, are included in our revenues and our cost of revenues.

When prescriptions are dispensed from our home delivery pharmacies, control of the prescription transfers and revenue is recognized when drugs are shipped. At the time of shipment, our earnings process is complete; the obligation of our customer to pay for the drugs is fixed and, due to the nature of the product, the member may not return the drugs or receive a refund.

Revenues from our specialty pharmacies are from providing medications/pharmaceuticals for diseases that rely upon high-cost injectable, infused, oral or inhaled drugs which have sensitive handling and storage needs and from providing fertility pharmaceuticals to providers and patients. Control of specialty revenues earned by our PBM segment transfers to the customer at the point of shipment. At the time of shipment, we have performed substantially all of our obligations under our customer contracts and do not experience a significant level of reshipments.

Appropriate reserves are recorded for discounts and contractual allowances, which represent variable consideration and are estimated based on collection experience. Any differences between our estimates and actual collections are reflected in operations in the period in which payment is received. Historically, adjustments to our original estimates have not been material. Differences may affect the amount and timing of our revenues for any period if actual performance varies from our estimates. Allowances for returns are estimated based on historical return trends and are not material.

Revenues from our PBM segment are also derived from the distribution of pharmaceuticals requiring special handling or packaging where we have been selected by the pharmaceutical manufacturer as part of a limited distribution network. These revenues include management fees received from these programs.

Many of our contracts contain terms whereby we make certain financial and performance guarantees, including the minimum level of discounts or rebates a client may receive, generic utilization rates and various service guarantees. These clients may be entitled to the payment of performance penalties if we fail to meet a financial or service guarantee. Actual performance is compared to the guarantee for each measure throughout the period and accruals are recorded as an offset to revenues if we determine our performance against the guarantee indicates a probable contract liability. These estimates are adjusted to actual when the guarantee period ends and we have either met the guaranteed rate or paid amounts to clients. Historically, adjustments to our original estimates have not been material.

Revenue recognition - Other Business Operations. Revenues from our Other Business Operations segment are earned from the distribution of specialty pharmaceuticals and medical supplies to providers, clinics and hospitals and performance-oriented fees paid by specialty pharmacy manufacturers. Revenues from our Other Business Operations segment are also earned through integrated medical benefit management solutions that drive cost reductions and

improved quality care outcomes. Prior to the sale of UBC on December 27, 2017, revenues from our Other Business Operations also included fee-for-service arrangements earned from late-stage clinical trials, risk management and drug safety services associated with UBC.

For contracts in which we are distributing prescription drugs, control transfers to the customer and revenues are recognized at the point of shipment. At the time of shipment, we have performed substantially all of our obligations under our customer contracts and historically have not experienced a significant level of reshipments. Receivables are recorded at the net realizable value and there are no material reserves or allowances.

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Since our acquisition of eviCore on December 15, 2017, Other Business Operations includes revenues from medical benefits management contracts, through which we provide innovative solutions that include utilization management using evidence based criteria, analytics, patient transparency and site of service management as well as access to certain provider specialty networks for our clients and their members. The activity involves developing clinical review criteria for provider inquiries, assessing medical necessity of treatment, and maintaining a network of providers. In some medical benefits management contracts, we earn a per-member-per month fee which is earned over the period in which our client's eligible members are entitled to service, and in other contracts we are paid a per-claim fee for the services we provide which is earned as services are rendered. We are responsible for confirming member eligibility, performing program utilization review, potentially directing payment to the provider and accepting the financial risk of loss associated with services rendered, as specified within our client contracts. We have the ability to influence contractual fees with clients and possess the financial risk of loss in certain contractual obligations. These factors indicate we are the principal and, as such, we record gross fees contracted with clients in revenues.

We provide a significant service of integrating the goods and services selected by our clients into one overall output for which the client has contracted. Thus, medical benefit management contracts generally contain a single performance obligation. The nature of our performance obligation is to stand ready to provide services over the contractual period (generally three years), but the quantity or timing of the service provided is in the control of our clients' members. Also, our performance obligation forms a series of distinct periods of time over which we stand ready to perform. Our performance obligation is satisfied as we complete each period's (day's) obligations. Consideration from medical benefits management contracts is variable in nature because fees are based on member enrollment, credits due to clients and reimbursement of provider costs, all of which can vary from period to period. We have control over pricing. Contractual fees are invoiced to our clients monthly and payment terms are generally due within 30 days. The variable consideration in our medical benefits management contracts meets the criteria to be allocated to the distinct period of time to which it relates because (i) it is due to the activities performed to satisfy the performance obligation during that period and (ii) it represents the consideration to which we expect to be entitled. However, consideration impacted by more than one distinct period of service (e.g., annual credits due to clients) is estimated and allocated to the entire period to which performance relates.

Certain arrangements in our medical benefit management contracts include provisions that require us to share with the client the costs or profits of the program in the event medical claims experience is above or below certain specified targets as set forth in the respective contract. The final settlement is dependent on each distinct day's performance within the annual measurement period, but cannot be allocated to specific days until the full measurement period has occurred and performance can be assessed. As such, this is a form of variable consideration estimated at contract inception and updated through the measurement period (i.e. the contract year), to the extent the risk of reversal does not exist and the consideration is not constrained. The estimated profits and costs are recognized net in revenues. Rebate accounting. We administer a rebate program through which we receive rebates and administrative fees from pharmaceutical manufacturers. If rebates are provided in conjunction with claims processing and home delivery services provided to clients in PBM contracts, they are not considered distinct within the contract from claim processing and other PBM services. Rebates are considered a form of variable consideration. Rebates and administrative fees earned for the administration of this program are recorded as a reduction of cost of revenues and the portion of the rebate and administrative fees payable to clients is treated as a reduction of revenues. The portion of rebates and administrative fees payable to clients is calculated based on historical and/or anticipated sharing percentages as defined within our contracts with clients. These payables are adjusted to actual when amounts are paid to clients subsequent to collections from pharmaceutical manufacturers; historically, these adjustments have not been material. We pay all or a contractually agreed upon portion of such rebates to our clients. We record rebates and administrative fees receivable from the manufacturer and payable to clients when the prescriptions covered under contractual agreements with the manufacturers are dispensed; this is the period to which this variable consideration relates and to which it is allocated, and rebate amounts are not dependent upon future purchases with the pharmaceutical company. If rebates are provided in a contract with a customer that does not include claims processing, our performance obligation is to arrange for the customer to receive rebates from pharmaceutical manufacturers. Rebates and administrative fees for these services are recorded in revenue, net of rebates and

administrative fees payable to the customer. Reserves for estimated uncollectible rebates from the manufacturers are included in accounts receivable.

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Disaggregated revenue. The following table disaggregates our revenue by product and service, distribution method, and segment:

(in millions)	PBM ⁽¹⁾	Other Business Operations ⁽²⁾	Total
For the three months ended September 30, 2018			
Product revenues:			
Network revenues ⁽³⁾⁽⁴⁾	\$ 12,525.6	\$ —	\$ 12,525.6
Home delivery and specialty revenues ⁽⁴⁾⁽⁵⁾	10,915.7	—	10,915.7
Other revenues	—	1,107.8	1,107.8
Product revenues	23,441.3	1,107.8	24,549.1
Service revenues	314.4	699.7	1,014.1
Total revenues	23,755.7	1,807.5	25,563.2
For the three months ended September 30, 2017			
Product revenues:			
Network revenues ⁽³⁾	\$ 12,182.9	\$ —	\$ 12,182.9
Home delivery and specialty revenues ⁽⁵⁾	10,948.3	—	10,948.3
Other revenues ⁽⁶⁾	—	1,130.2	1,130.2
Product revenues	23,131.2	1,130.2	24,261.4
Service revenues	341.9	80.1	422.0
Total revenues	23,473.1	1,210.3	24,683.4
For the nine months ended September 30, 2018			
Product revenues:			
Network revenues ⁽³⁾⁽⁴⁾	\$ 37,392.2	\$ —	\$ 37,392.2
Home delivery and specialty revenues ⁽⁴⁾⁽⁵⁾	32,505.8	—	32,505.8
Other revenues	—	3,151.8	3,151.8
Product revenues	69,898.0	3,151.8	73,049.8
Service revenues	920.0	2,004.6	2,924.6
Total revenues	70,818.0	5,156.4	75,974.4
For the nine months ended September 30, 2017			
Product revenues:			
Network revenues ⁽³⁾	\$ 36,982.2	\$ —	\$ 36,982.2
Home delivery and specialty revenues ⁽⁵⁾	33,142.5	—	33,142.5
Other revenues ⁽⁶⁾	—	3,270.5	3,270.5
Product revenues	70,124.7	3,270.5	73,395.2
Service revenues	1,041.4	249.2	1,290.6
Total revenues	71,166.1	3,519.7	74,685.8

(1) Includes the results of operations for myMatrixx subsequent to acquisition on May 15, 2017.

(2) Includes the results of operations for eviCore subsequent to acquisition on December 15, 2017, and results of operations for UBC prior to sale on December 27, 2017.

(3) Includes retail pharmacy co-payments of \$1,945.6 million and \$1,925.8 million for the three months ended September 30, 2018 and 2017, respectively, and \$6,492.5 million and \$6,409.7 million for the nine months ended September 30, 2018 and 2017, respectively.

(4) Includes the impact of the increase to both network revenues and cost of revenues of \$691.2 million and \$2,033.6 million for the three and nine months ended September 30, 2018, respectively, and the increase to both home delivery and specialty revenues and cost of revenues of \$158.2 million and \$399.9 million for the three and nine months ended September 30, 2018, respectively, related to the adoption of ASC Topic 606 effective January 1, 2018.

(5)

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Includes home delivery and specialty, including drugs we distribute to other PBMs' clients under limited distribution contracts with pharmaceutical manufacturers, and Freedom Fertility claims.

- (6) Includes other revenues related to drugs distributed through patient assistance programs, which were disposed of as part of the sale of UBC on December 27, 2017.

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Contract balances. Contract liabilities for PBM contracts arise due to financial and performance guarantees we have made to our clients. We measure our performance against these guarantees throughout the period and recognize a contract liability as indicated by our performance. Guarantees also fluctuate based on the timing of payments. Our contract liability balance was \$791.2 million and \$785.6 million as of September 30, 2018 and December 31, 2017, respectively, and are presented within the “Accrued expenses” line item of the consolidated balance sheet.

Contract liability balances also arise when we receive set-up fees or other up-front fees from our customers. This is generally uncommon, but may occur in some cases when we onboard a new client. Upfront fees are recognized as revenue over the contract term (generally three years).

We have no material contract asset balances as of September 30, 2018, or December 31, 2017.

Transaction price allocated to remaining performance obligations. As described above, our performance obligation forms a series of distinct periods of time over which we stand ready to perform, and is satisfied as we complete our obligation. Our contracts with PBM customers generally have a term of three years, while our specialty distribution contracts generally have a term of less than 30 days because each sale of prescription drugs is a separate contract. Our contracts to manage medical benefits and provide utilization management services generally have a term of three years. Since the remaining variable consideration will be allocated to a wholly unsatisfied promise that forms part of a single performance obligation recognized under the series guidance, we have applied the optional exemption to exclude this disclosure.

Note 3 - Fair value measurements

Authoritative guidance regarding fair value measurement establishes a three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value. These tiers include: Level 1, defined as observable inputs such as quoted prices in active markets for identical assets or liabilities; Level 2, defined as inputs other than quoted prices for similar assets and liabilities in active markets that are either directly or indirectly observable; and Level 3, defined as unobservable inputs for which little or no market data exists, therefore requiring an entity to develop its own assumptions.

Cash and cash equivalents include cash and investments in AAA-rated money market mutual funds with original maturities of less than 90 days. Cash and cash equivalents are stated at cost, which approximates fair value. These investments are classified within Level 1 of the fair value hierarchy because they are valued using quoted prices in active markets. The fair values of receivables, claims and rebates payable and accounts payable approximate carrying values due to the short-term maturities of these instruments.

The fair values, which approximate the carrying values, of our 2015 five-year term loan (Level 2) and commercial paper borrowings (Level 2) (as defined in Note 8 - Financing) were estimated using the current market rates for debt with similar maturities. The fair values of our senior notes, which are estimated based on observable market information (Level 2), were \$12,799.9 million and \$14,215.7 million as of September 30, 2018 and December 31, 2017, respectively. See Note 8 - Financing for further description of the carrying values of our debt. In determining the fair values of liabilities, we took into consideration the risk of nonperformance. Nonperformance risk refers to the risk the obligation will not be fulfilled and affects the value at which the liability would be transferred to a market participant. This risk did not have a material impact on the fair values of our liabilities.

Note 4 - Receivables, net

Included within “Receivables, net” are the following, which are reflected net of our allowance for doubtful accounts, customer credit allowances and contractual allowances:

(in millions)	September 30, 2018	December 31, 2017
Trade receivables, net of total reserves and allowances of \$467.8 million and \$466.6 million, respectively	\$ 4,070.4	\$ 4,101.6
Pharmaceutical manufacturers receivables, net of contractual allowances for certain rebates receivable of \$442.7 million and \$414.1 million, respectively	3,287.2	2,580.8
Other receivables	466.5	373.9

Total receivables, net	\$ 7,824.1	\$ 7,056.3
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Note 5 - Acquisition

eviCore acquisition. Effective December 15, 2017, we acquired 100% of eviCore, a leading provider of integrated medical benefit management solutions that drive cost reductions and improved quality care outcomes, for approximately \$3.6 billion. eviCore manages benefits in categories including radiology, cardiology, musculoskeletal disorders, post-acute care and medical oncology, and contracts with health plans and commercial clients to promote the appropriate use of healthcare services. eviCore is reported within our Other Business Operations segment.

We executed a contingent arrangement with certain equity holders, who are key employees of eviCore, in which \$81.1 million will be paid 50% upon each of the second and third anniversaries of the effective date of the acquisition. The payments provided by the employment arrangements are forfeited if the employee voluntarily terminates prior to the anniversary dates. The payments are accrued over the three-year period as post combination services are rendered and included as compensation costs within "Selling, general, and administrative" expense in our consolidated statement of operations.

The consolidated statement of operations for the three and nine months ended September 30, 2018 includes eviCore's revenues of \$699.7 million and \$2,004.6 million, respectively, and net loss of \$1.8 million and \$4.1 million, respectively. Net loss includes amortization expense of \$14.1 million and \$34.4 million related to the contingent arrangement described above for the three and nine months ended September 30, 2018, respectively.

The following represents the unaudited pro forma consolidated income statement as if eviCore had been included in the consolidated results of the Company's operations for the three and nine months ended September 30, 2017. These amounts have been calculated after applying the Company's accounting policies and adjusting the results of eviCore to reflect the additional depreciation and amortization that would have been charged assuming the fair value adjustments to intangible assets, redemption of debt outstanding and transaction costs incurred had been applied as of January 1, 2016, together with the consequential tax effects.

	For the three months ended September 30, 2017	For the nine months ended September 30, 2017
(in millions, except per share data)		
Total revenues	\$ 25,349.1	\$ 76,415.5
Net income attributable to Express Scripts	837.7	2,174.6
Basic earnings per share	1.47	3.72
Diluted earnings per share	\$ 1.46	\$ 3.70

The following table summarizes the estimated fair values of the assets acquired and liabilities assumed at the acquisition date.

	Amounts Recognized as of Acquisition Date
(in millions)	
Current assets	\$ 494.7
Property and equipment	15.2
Computer software	89.7
Goodwill	1,708.9
Acquired intangible assets	2,328.8
Other noncurrent assets	2.9
Current liabilities	(387.4)
Deferred income taxes	(592.3)
Other noncurrent liabilities	(9.0)
Total	\$ 3,651.5

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A portion of the excess of purchase price over tangible net assets acquired has been allocated to intangible assets. The acquired intangible assets have been valued using an income approach, which includes unobservable inputs such as assumptions regarding revenues, gross profit, growth rates and discount rates based on the forecasted business plan, economic projections, anticipated future cash flows and marketplace data. The acquired intangible assets are amortized on a basis that approximates the pattern of benefit:

Asset	Value (in millions)	Weighted-average amortization period (in years)
Trade name	\$56.1	10.0
Customer relationships	2,272.7	20.0
Total intangibles	\$2,328.8	19.8

The excess of purchase price over tangible net assets and identified intangible assets acquired, \$1,708.9 million, has been allocated to goodwill. The goodwill recognized as part of the acquisition is reported under our Other Business Operations segment and primarily reflects future economic benefits expected to arise from the Company's growth within the medical benefit management market and the assembled workforce acquired. Approximately \$397.0 million of the goodwill recognized is expected to be deductible for income tax purposes. Purchase accounting has been finalized in relation to this acquisition.

Note 6 - Goodwill and other intangible assets

Following is a summary of our goodwill and other intangible assets for our two reportable segments, PBM and Other Business Operations.

(in millions)	September 30, 2018			December 31, 2017		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Goodwill						
PBM	\$29,434.2	\$(106.9)	\$29,327.3	\$29,434.9	\$(107.0)	\$29,327.9
Other Business Operations	1,783.2	—	1,783.2	1,771.8	—	1,771.8
	\$31,217.4	\$(106.9)	\$31,110.5	\$31,206.7	\$(107.0)	\$31,099.7
Other intangible assets						
PBM						
Customer contracts	\$17,530.3	\$(11,395.2)	\$6,135.1	\$17,579.0	\$(10,378.4)	\$7,200.6
Trade names	232.5	(146.3)	86.2	232.5	(128.8)	103.7
	17,762.8	(11,541.5)	6,221.3	17,811.5	(10,507.2)	7,304.3
Other Business Operations						
Customer relationships	2,282.5	(130.3)	2,152.2	2,272.7	(7.0)	2,265.7
Trade names	56.7	(4.7)	52.0	56.1	(0.2)	55.9
	2,339.2	(135.0)	2,204.2	2,328.8	(7.2)	2,321.6
Total other intangible assets	\$20,102.0	\$(11,676.5)	\$8,425.5	\$20,140.3	\$(10,514.4)	\$9,625.9

Following is a summary of the change in the net carrying value of goodwill by reportable segment:

(in millions)	PBM	Other Business Operations	Total
Balance at December 31, 2017	\$29,327.9	\$1,771.8	\$31,099.7
Acquisitions ⁽¹⁾	—	11.4	11.4
Foreign currency translation	(0.6)	—	(0.6)
Balance at September 30, 2018	\$29,327.3	\$1,783.2	\$31,110.5

(1) Represents the acquisition of a company in the first quarter of 2018 (which is not material to our consolidated financial statements) and an adjustment associated with net working capital for the eviCore acquisition. Purchase accounting has been finalized for both the acquisition of eviCore in the fourth quarter of 2017 and the acquisition

in the first quarter of 2018.

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The aggregate amount of amortization expense of other intangible assets was \$403.5 million and \$366.1 million for the three months ended September 30, 2018 and 2017, respectively, and \$1,210.9 million and \$1,092.6 million for the nine months ended September 30, 2018 and 2017, respectively.

Included in total amortization expense is \$55.4 million for each of the three months ended September 30, 2018 and 2017, and \$166.2 million for each of the nine months ended September 30, 2018 and 2017, related to our 10-year contract with Anthem, Inc. (“Anthem”) to provide PBM services to members of the affiliated health plans of Anthem, which is included as an offset to revenues.

The weighted-average amortization period of intangible assets subject to amortization is 16 years, and by major intangible asset class is 10 to 20 years for customer contracts and relationships and 4 to 10 years for trade names (excluding legacy Express Scripts, Inc. (“ESI”) trade names which have an indefinite life).

Note 7 - Earnings per share

Basic EPS is computed using the weighted-average number of common shares outstanding during the period. Diluted EPS is computed in the same manner as basic EPS, but adds the number of additional common shares that would have been outstanding for the period if the dilutive potential common shares had been issued. All shares are calculated under the “treasury stock” method. Following is the reconciliation between the number of weighted-average shares used in the basic and diluted EPS calculations:

	Three Months Ended September 30,		Nine Months Ended September 30,	
(in millions)	2018	2017	2018	2017
Weighted-average number of common shares outstanding during the period—basic	562.9	571.8	562.5	585.1
Dilutive common stock equivalents: ⁽¹⁾				
Outstanding stock options, restricted stock units and executive deferred compensation units	5.0	2.9	4.3	3.3
Weighted-average number of common shares outstanding during the period—diluted	567.9	574.7	566.8	588.4

Excludes equity award shares of 1.1 million and 9.2 million for the three months ended September 30, 2018 and (1) 2017, respectively, and 3.1 million and 9.2 million for the nine months ended September 30, 2018 and 2017, respectively, because the effect is anti-dilutive.

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Note 8 - Financing

Our debt, issued by ESI, Medco Health Solutions, Inc. ("Medco") and us, net of unamortized discounts, premiums and financing costs, consists of:

Long-term Debt	Issuer	Basis Points ⁽¹⁾	September 30, 2018	December 31, 2017
			Carrying Amount (in millions)	
Commercial paper				
\$3,500.0 million, commercial paper program ⁽²⁾	Express Scripts	N/A	\$—	\$ 194.8
Senior notes ⁽³⁾				
\$1,200.0 million, 7.125% senior notes due March 2018 ⁽⁴⁾	Medco	50	—	838.1
\$1,000.0 million, 2.250% senior notes due June 2019 ⁽⁴⁾	Express Scripts	15	998.6	997.1
\$500.0 million, 7.250% senior notes due June 2019 ⁽⁴⁾	ESI	50	337.1	336.7
\$500.0 million, 4.125% senior notes due September 2020 ⁽⁴⁾	Medco	25	502.2	502.9
\$500.0 million, 2.600% senior notes due November 2020 ⁽⁴⁾	Express Scripts	15	497.7	496.9
\$400.0 million, floating rate senior notes due November 2020 ⁽⁵⁾	Express Scripts	N/A	398.2	397.6
\$500.0 million, 3.300% senior notes due February 2021 ⁽⁴⁾	Express Scripts	35	497.6	496.9
\$1,250.0 million, 4.750% senior notes due November 2021 ⁽⁴⁾	Express Scripts	45	1,243.1	1,241.6
\$1,000.0 million, 3.900% senior notes due February 2022 ⁽⁴⁾	Express Scripts	40	989.3	987.0
\$500.0 million, 3.050% senior notes due November 2022 ⁽⁴⁾	Express Scripts	15	495.9	495.2
\$1,000.0 million, 3.000% senior notes due July 2023 ⁽⁴⁾	Express Scripts	25	994.5	993.6
\$1,000.0 million, 3.500% senior notes due June 2024 ⁽⁴⁾	Express Scripts	20	990.9	989.8
\$1,500.0 million, 4.500% senior notes due February 2026 ⁽⁴⁾	Express Scripts	45	1,484.6	1,483.1
\$1,500.0 million, 3.400% senior notes due March 2027 ⁽⁶⁾	Express Scripts	30	1,490.6	1,489.8
\$700.0 million, 6.125% senior notes due November 2041 ⁽⁴⁾	Express Scripts	50	444.3	444.2
\$1,500.0 million, 4.800% senior notes due July 2046 ⁽⁴⁾	Express Scripts	40	1,484.0	1,483.6
Total senior notes			12,848.6	13,674.1
Term loan				
\$3,000.0 million, term loan due April 2020 ⁽⁷⁾	Express Scripts	N/A	2,146.9	2,145.5
Total debt			14,995.5	16,014.4
Current maturities of debt				
\$3,500.0 million, commercial paper program ⁽²⁾	Express Scripts	N/A	—	194.8
\$1,200.0 million, 7.125% senior notes due March 2018 ⁽³⁾⁽⁴⁾	Medco	50	—	838.1
\$1,000.0 million, 2.250% senior notes due June 2019 ⁽³⁾⁽⁴⁾	Express Scripts	15	998.6	—
\$500.0 million, 7.250% senior notes due June 2019 ⁽³⁾⁽⁴⁾	ESI	50	337.1	—
\$3,000.0 million, term loan due April 2020 ⁽⁷⁾	Express Scripts	N/A	685.6	—
Total short-term debt and current maturities of long-term debt			2,021.3	1,032.9
Total long-term debt			\$12,974.2	\$ 14,981.5

- All senior notes, except for the floating rate senior notes due November 2020, are redeemable prior to maturity at a price equal to the greater of (1) 100% of the aggregate principal amount of any notes being redeemed; or (2) the sum of the present values of the remaining scheduled payments of principal and interest on the notes being redeemed discounted to the redemption date on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the treasury rate plus the basis points as indicated, plus in each case, unpaid interest on the notes being redeemed accrued to the redemption date. The floating rate senior notes due November 2020 are redeemable prior to maturity at any time on or after December 3, 2018, at a redemption price equal to 100% of the principal amount of the notes being redeemed plus accrued and unpaid interest on the principal amount being redeemed.
- (1) The commercial paper program (defined below) had weighted-average daily short-term borrowings of \$129.4 million and \$220.1 million and an average interest rate of 1.83% and 1.49% from January 1, 2018 through March 31, 2018 and from inception of the program through December 31, 2017, respectively. There were no borrowings

under the commercial paper program in the second and third quarters of 2018.

All senior notes are jointly and severally and fully and unconditionally (subject to certain customary release provisions, including sale, exchange, transfer or liquidation of the guarantor subsidiary) guaranteed on a senior unsecured basis by Express Scripts, ESI and Medco.

(4) Senior notes require interest to be paid semi-annually, commencing six months subsequent to issuance.

The floating rate senior notes due November 2020 require interest to be paid quarterly beginning on March 1,

(5) 2018, until November 30, 2020, and had an average interest rate of 2.80% and 2.23% from January 1, 2018 through September 30, 2018 and from inception of the note through December 31, 2017, respectively.

(6) Senior notes require interest to be paid semi-annually in March and September.

(7) The 2015 five-year term loan (defined below) had an average interest rate of 3.02% and 2.30% as of September 30, 2018 and December 31, 2017, respectively.

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Merger Agreement with Cigna. The Merger Agreement with Cigna limits our ability to incur additional indebtedness or to modify any of the terms of our outstanding debt obligations. The Merger Agreement generally provides that until closing or termination of the Merger Agreement, we cannot, without Cigna's consent (which shall not be unreasonably withheld, conditioned or delayed), incur, assume, endorse, guarantee or otherwise become liable for, or modify the terms of, any indebtedness or issue or sell any debt securities or calls, options, warrants or other rights to acquire any debt securities, subject to certain exceptions.

Bank credit facilities. We have a credit agreement which includes a \$3.5 billion revolving facility (the "2022 revolving facility") and a five-year \$3.0 billion term loan (the "2015 five-year term loan"). At September 30, 2018, no amounts were drawn under the 2022 revolving facility. At September 30, 2018, \$685.6 million of the 2015 five-year term loan which includes a proportionate amount of unamortized financing costs were considered current maturities of long-term debt.

The credit agreement requires interest to be paid, at our option, at LIBOR or an adjusted base rate, plus applicable margin. The applicable margin over LIBOR ranges from 0.805% to 1.300% for the 2022 revolving facility, depending on our credit ratings and consolidated leverage ratio, and ranges from 1.000% to 1.500% for the 2015 five-year term loan, depending on our consolidated leverage ratio. The applicable margin over the adjusted base rate ranges from 0.000% to 0.300% for the 2022 revolving facility, and 0.000% to 0.500% for the 2015 five-year term loan. We are required to pay commitment fees on the 2022 revolving facility, which range from 0.070% to 0.200% of the revolving loan commitments, depending on our credit ratings and consolidated leverage ratio.

In February 2018, a \$130.0 million uncommitted revolving credit facility was terminated and in May 2018, a \$150.0 million uncommitted credit agreement expired.

Commercial paper. We have a commercial paper program under which we may issue short-term, unsecured commercial paper notes from time to time on a private placement basis up to a maximum aggregate amount outstanding at any time of \$3.5 billion. The commercial paper program does not increase our borrowing capacity as it is fully backed by our 2022 revolving facility. The commercial paper notes are jointly and severally and fully and unconditionally guaranteed on a senior unsecured basis by ESI, Medco and us. There were no commercial paper notes outstanding as of September 30, 2018.

Covenants. Our bank financing arrangements and senior notes contain certain customary covenants that restrict our ability to incur additional indebtedness, create or permit liens on assets and engage in mergers or consolidations. The covenants related to bank financing arrangements also include, among other things, a maximum leverage ratio. See above for description of the impact of the Merger Agreement on our financing activities. At September 30, 2018, we were in compliance with all covenants associated with our debt instruments.

Note 9 - Income taxes

Our effective tax rate attributable to Express Scripts decreased to 20.5% and 22.8% for the three and nine months ended September 30, 2018, respectively, from 37.2% for each of the same periods in 2017, primarily due to the impact of the reduction in federal corporate statutory rates from 35% to 21% due to federal tax reform legislation (the "Tax Act") enacted on December 22, 2017, and changes in discrete tax items.

We recognized net discrete benefits of \$41.5 million and \$25.8 million for the three and nine months ended September 30, 2018, respectively, compared to net discrete charges of \$5.8 million and \$15.5 million for the same periods in 2017. Our 2018 net discrete benefits primarily relate to changes in our unrecognized tax benefits as a result of lapses in statutes of limitations. Our 2017 net discrete charges primarily relate to additions in our unrecognized tax benefits on prior year tax positions and a revaluation of our deferred tax attributes due to changes in effective tax rates offset by a reduction in our unrecognized tax benefits due to settlement of prior year examinations and prior year claims. As of December 31, 2017, we recorded estimated provisional adjustments associated with the impacts of the remeasurement of federal net deferred tax liabilities resulting from the permanent reduction in the federal corporate tax rate to 21% and the mandatory one-time tax on accumulated earnings of our foreign subsidiaries. We have not made any additional measurement period adjustments related to these items during the three or nine months ended September 30, 2018, but we could make adjustments to the provisional amounts in the future based on any additional guidance issued by the U.S. Treasury Department, the Internal Revenue Service or other standard-setting bodies.

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Note 10 - Common stock

There were no repurchases of the Company's common stock during the third quarter of 2018. However, we repurchased 5.4 million shares for \$411.3 million during the nine months ended September 30, 2018, and 11.5 million and 43.3 million shares for \$712.8 million and \$2,770.2 million during the three and nine months ended September 30, 2017, respectively. As of September 30, 2018, there were 72.9 million shares remaining under our share repurchase program. Share repurchases, made during the nine months ended September 30, 2018, were made pursuant to a Rule 10b5-1 plan implemented on November 28, 2017 (the "November 2017 Rule 10b5-1 plan"). The November 2017 Rule 10b5-1 plan was terminated on March 8, 2018. Share repurchases, made during the three and nine months ended September 30, 2017, were made pursuant to Rule 10b5-1 plans implemented on February 15, 2017 (the "February 2017 Rule 10b5-1 plan") and July 26, 2017 (the "July 2017 Rule 10b5-1 plan"), as well as through open market purchases. The February 2017 Rule 10b5-1 plan was completed on June 30, 2017, and the July 2017 Rule 10b5-1 plan was completed on October 9, 2017. Pursuant to the Merger Agreement with Cigna, we may not, without Cigna's consent, repurchase shares (subject to limited exceptions related to equity awards) until closing or termination of the Merger Agreement.

Note 11 - Stock-based compensation plans

Under the 2016 Long-Term Incentive Plan (the "2016 LTIP"), we may issue stock options, stock appreciation rights ("SARs"), restricted stock awards, restricted stock units, performance shares and other types of awards. The maximum number of shares available for awards under the 2016 LTIP is 33.0 million. The maximum term of stock options, SARs, restricted stock awards, restricted stock units and performance shares granted under the 2016 LTIP is 10 years. Effective May 4, 2016, no additional awards may be granted under the 2011 Long-Term Incentive Plan (the "2011 LTIP"), the Accredo Health, Incorporated 2002 Long-Term Incentive Plan (the "Accredo Plan"), the ESI 2000 Long-Term Incentive Plan (the "2000 LTIP") or the Medco 2002 Stock Incentive Plan (the "2002 SIP") (except to settle awards outstanding under these plans), all of which previously authorized the grant of various equity awards with various terms to our officers, members of our Board of Directors and other key employees. However, the terms of these plans will continue to govern awards outstanding under these plans.

The provisions of the 2016 LTIP, the 2011 LTIP, the Accredo Plan, the 2000 LTIP and the 2002 SIP (collectively, the "stock incentive plans") allow employees to use shares to cover tax withholdings on equity awards (a feature which has been approved by the Compensation Committee of our Board of Directors). Upon vesting of restricted stock units and performance shares, employees have taxable income subject to statutory withholding requirements. The number of shares issued to employees may be reduced by the number of shares having a market value equal to the statutory withholding requirements for federal, state and local tax purposes.

Under the stock incentive plans, we have issued stock options, restricted stock units and performance shares. All such awards are settled by issuance of new shares. Awards granted under the stock incentive plans are subject to accelerated vesting under certain specified circumstances, including upon a change in control and termination, and are also subject to forfeiture without consideration upon termination of employment under certain circumstances. The maximum term of stock options, restricted stock units and performance shares is generally 10 years.

We recognized stock-based compensation expense of \$29.0 million and \$25.9 million for the three months ended September 30, 2018 and 2017, respectively, and \$89.7 million and \$78.0 million in the nine months ended September 30, 2018 and 2017, respectively. Unamortized stock-based compensation expense as of September 30, 2018 was \$12.7 million for stock options and \$100.7 million for restricted stock units and performance shares.

Stock options. During the nine months ended September 30, 2018, we granted 0.8 million stock options with a weighted-average fair market value of \$16.27 per share. Stock options granted generally have three-year graded vesting. There were no stock options issued during the three months ended September 30, 2018 or 2017.

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The fair value of stock options granted was estimated on the date of grant using a Black-Scholes multiple option-pricing model with the following weighted-average assumptions:

	Nine Months Ended	
	September 30,	
	2018	2017
Expected life of option	3-5 years	3-5 years
Risk-free interest rate	2.4%-2.7%	1.5%-2.1%
Expected volatility of stock	21%-24%	21%-23%
Expected dividend yield	None	None

The Black-Scholes model requires subjective assumptions, including future stock price volatility and expected time to exercise, which greatly affect the calculated values. The expected term and forfeiture rate of stock options granted is derived from historical data of employee exercises and post-vesting employment termination behavior as well as expected behavior on outstanding stock options. The risk-free rate is based on the United States Treasury rates in effect during the corresponding period of grant. The expected volatility is based on the historical volatility of our stock price. These factors could change in the future, which would affect the stock-based compensation expense recognized in future periods.

Restricted stock units and performance shares. During the nine months ended September 30, 2018, we granted 1.7 million restricted stock units and performance shares with a weighted-average fair market value of \$73.73 per share. Restricted stock units generally have three-year graded vesting. Performance shares generally have three-year cliff vesting. The number of performance shares that ultimately vest is dependent upon the achievement of specific performance metrics. The original grant of performance shares is subject to a multiplier of up to 2.5 based on the achievement of the performance metrics. Due to the achievement of certain performance metrics, during the nine months ended September 30, 2018, 0.1 million shares of common stock were issued in settlement of performance shares granted in March 2015.

Note 12 - Commitments and contingencies

We are subject to various legal proceedings, investigations, government inquiries and claims pending against us or our subsidiaries, including, but not limited to, those relating to regulatory, commercial, employment and employee benefits. We record accruals for certain of our outstanding legal proceedings, investigations and claims when we believe it is probable a liability will be incurred and the amount of loss can be reasonably estimated. On a quarterly basis, we evaluate developments in legal proceedings, investigations and claims that could affect the amount of any accrual, as well as any developments that would make a loss both probable and reasonably estimable.

We record self-insurance accruals based on estimates of the aggregate liability of claim costs (including defense costs) in excess of our insurance coverage. The majority of these claims are legal claims and our liability estimate is primarily related to the cost to defend these claims. We do not accrue for settlements, judgments, monetary fines or penalties until such amounts are probable and estimable. If the range of possible loss is broad, and no amount within the range is more likely than any other, the liability accrual is based on the low end of the range.

When a loss contingency is not believed to be both probable and estimable, we do not establish an accrued liability. However, if the loss (or an additional loss in excess of the accrual) is believed to be at least a reasonable possibility and material, we disclose an estimate of the possible loss or range of loss, if such estimate can be made, or disclose an estimate cannot be made.

The legal proceedings, investigations, government inquiries and claims pending against us or our subsidiaries include, among others, multi-district litigation, class action lawsuits, antitrust allegations, qui tam lawsuits (“whistleblower” actions) and various governmental inquiries and informational subpoenas.

The assessment of whether a loss is probable and reasonably estimable involves a series of complex judgments about future events. We are often unable to estimate a range of loss due to significant uncertainties, particularly where (i) the damages sought are unspecified or indeterminate; (ii) the proceedings are in the early stages; (iii) the matters involve novel or unsettled legal theories or a large number of parties; (iv) class action status may be sought and certified; (v) it is questionable whether asserted claims or allegations will survive dispositive motion practice; (vi) the impact of discovery on the legal process is unknown; (vii) the settlement posture of the parties has not been determined and/or

(viii) in the case of certain government agency investigations, whether a sealed qui tam lawsuit has been filed and whether the government agency makes a decision to intervene in the lawsuit following investigation. Accordingly, for many proceedings, we are currently unable to estimate the loss or a range of possible loss.

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For a limited number of proceedings, we may be able to reasonably estimate the possible range of loss in excess of any accruals. However, we believe such proceedings, individually and in the aggregate, when finally resolved, are not reasonably likely to have a material adverse effect on our cash flow or financial condition. We also believe any amount that could be reasonably estimated in excess of accruals, if any, for such proceedings is not material. However, an unexpected adverse resolution of one or more of such matters could have a material adverse effect on our results of operations in a particular quarter or fiscal year. For purposes of this Note 12, the “Company” refers to Express Scripts Holding Company and its subsidiaries if named as defendants or identified as the subjects in the matters described below.

We cannot predict the timing or outcome of the matters described below:

Jerry Beeman, et al. v. Caremark, et al. Plaintiffs allege that the Company and the other defendants failed to comply with statutory obligations to provide California clients with the results of a bi-annual survey of retail drug prices. On November 14, 2016, the district court denied plaintiffs’ motion for class certification, holding that the proposed class representatives and counsel were inadequate to represent a class. On October 6, 2017, defendants moved for sanctions against plaintiffs for destroying evidence, requesting the case be dismissed with prejudice, which the court granted on January 4, 2018. On August 21, 2018, plaintiffs filed an appellate brief. On October 22, 2018, appellees’ brief was filed.

Anthem, Inc. v. Express Scripts, Inc. Anthem, Inc. (for purposes of this Note 12, “Anthem”) filed this lawsuit alleging various breach of contract claims against the Company relating to the parties’ rights and obligations under the periodic pricing review section of the pharmacy benefit management agreement between the parties, including allegations that the Company failed to negotiate new pricing concessions in good faith, as well as various alleged service issues.

Anthem requests the court enter declaratory judgment that the Company is required to provide Anthem competitive benchmark pricing, that Anthem can terminate the agreement, and that the Company is required to provide Anthem with post-termination services at competitive benchmark pricing for one year following any termination by Anthem. Anthem claims it is entitled to \$13.0 billion in additional pricing concessions over the remaining term of the agreement as well as \$1.8 billion for one year following any contract termination by Anthem, and \$150.0 million in damages for service issues (for purposes of this Note 12, “Anthem’s Allegations”). On April 19, 2016, in response to Anthem’s complaint, the Company filed its answer denying Anthem’s Allegations in their entirety and asserting affirmative defenses and counterclaims against Anthem. The court subsequently granted Anthem’s motion to dismiss two of six counts of the Company’s amended counterclaims.

In re Express Scripts Holding Company Securities Litigation. Plaintiff filed this putative securities class action complaint on behalf of all persons or entities that purchased or otherwise acquired the Company’s publicly traded common stock between February 24, 2015 and March 21, 2016, and alleges the Company and named individuals violated Sections 10(b) and 20(a) of the Securities Exchange Act of 1934 (“the “Exchange Act”) and Rule 10b-5 thereunder by carrying out a scheme to defraud the investing public. Plaintiff seeks compensatory damages in favor of plaintiff and other class members, attorneys’ fees and costs, and equitable relief. Plaintiff adopts many of Anthem’s Allegations in support of their claim. On August 1, 2017, the court granted the Company’s motion to dismiss the complaint in its entirety. On August 30, 2017, Plaintiff filed an amended complaint alleging similar claims, and defendants moved to dismiss. On May 22, 2018, the court granted defendants’ motion to dismiss. On September 10, 2018, plaintiffs filed an appellate brief.

M. Scott Brewer, et al., in their capacities as Trustees for the Carpenters Pension Fund of West Virginia, derivatively on behalf of Express Scripts Holding Company v. Maura C. Breen, et al. (“Carpenters”). Plaintiffs filed this stockholder derivative lawsuit alleging certain current and former officers and directors of the Company breached fiduciary duties and were unjustly enriched and also asserting a claim for corporate waste. Plaintiffs adopted many of Anthem’s Allegations in support of their claim. Plaintiffs sought damages on behalf of the Company from the individual defendants; an accounting by the individual defendants for all damages, profits, special benefits and unjust enrichment and imposition of a constructive trust; judgment directing the Company to take all necessary actions to reform and improve its corporate governance and internal control procedures; punitive damages; and an award of attorneys’ fees and costs. On January 23, 2018, the court granted defendants’ motion to dismiss the case in its entirety without prejudice. Plaintiffs filed an amended complaint on February 28, 2018. On May 18, 2018, plaintiffs filed a stipulated

notice of voluntary dismissal and the court entered an order dismissing the case on May 21, 2018.

Randy Green v. George Paz, et al. Plaintiff alleges certain current and former officers and directors of the Company breached fiduciary duties and were unjustly enriched. Plaintiff adopts many of Anthem's Allegations in support of his claims that individual defendants breached fiduciary duties of loyalty, good faith, fair dealing, and candor, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem, and for contribution to and indemnification of the Company in connection with all claims that have been, are, or may in

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the future be asserted against the Company because of the individual defendants' wrongdoing. On June 12, 2017, the court stayed this action until resolution of the Carpenters derivative action, described above, in the United States District Court for the Southern District of New York. On October 1, 2018, the court consolidated the Green action and the Elow action described below and ordered that the consolidated action remain stayed pending completion of the Cigna-Express Scripts transaction.

Missouri State Action (Circuit Court of St. Louis County, State of Missouri). The following three cases have been consolidated in Missouri state court: Abraham Neufeld, derivatively on behalf of nominal defendant Express Scripts Holding Company v. George Paz, et al.; Robert Jessup, derivatively on behalf of Express Scripts Holding Company v. Timothy Wentworth, et al.; and Richard Weisglas, derivatively on behalf of Express Scripts Holding Company v. Express Scripts Holding Company, George Paz, et al. These cases were consolidated on December 21, 2016, and on April 13, 2017, plaintiffs filed a consolidated amended complaint. Plaintiffs' consolidated amended complaint alleges certain current and former officers and directors of the Company breached fiduciary duties and were unjustly enriched, and that certain defendants engaged in "insider selling." Plaintiffs adopt many of Anthem's Allegations in support of their claims that the individual defendants breached fiduciary duties of loyalty, good faith, candor, and due care, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem. Plaintiffs seek damages on behalf of the Company from the individual defendants, equitable relief, and attorneys' fees and costs. On August 11, 2017, the court stayed this action until resolution of the Carpenters derivative action, described above, in the United States District Court for the Southern District of New York. On August 1, 2018, plaintiffs filed a notice of voluntary dismissal, and the court entered an order dismissing the consolidated action on August 6, 2018.

Kurt Wilson v. George Paz, et al. Plaintiff alleges that certain current and former officers and directors of the Company breached fiduciary duties, were unjustly enriched, committed abuse of control and gross mismanagement, and that certain defendants engaged in "insider selling." Plaintiff adopts many of Anthem's Allegations in support of the claims that the individual defendants breached fiduciary duties of loyalty, good faith, candor, and due care, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem. Plaintiff seeks damages on behalf of the Company from the individual defendants, equitable relief, and attorneys' fees and costs. On December 8, 2017, the court stayed this action until resolution of the Carpenters derivative action, described above, in the United States District Court for the Southern District of New York. On July 24, 2018, plaintiff filed a notice of voluntary dismissal, and the court entered an order dismissing the case on July 30, 2018.

Clifford Elow, et al. v. George Paz, et al. Plaintiff alleges that certain current and former officers and directors of the Company breached fiduciary duties, caused the Company to waste assets, and violated Section 10(b) of the Exchange Act and SEC Rule 10b-5 in connection with stock repurchases. Plaintiff adopts many of Anthem's Allegations in support of his claims that individual defendants breached fiduciary duties of loyalty, good faith, fair dealing, and candor, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem, as well as his claims that the individual defendants failed to properly oversee management of the Anthem agreement and relationship. Plaintiff seeks damages on behalf of the Company from the individual defendants, corporate governance reform, and attorneys' fees and costs. On October 1, 2018, the court consolidated the Green action described above and the Elow action and ordered that the consolidated action remain stayed pending completion of the Cigna-Express Scripts transaction.

In re Express Scripts/Anthem ERISA Litigation (consolidating John Doe One and John Doe Two v. Express Scripts, Inc. and Karen Burnett, Brendan Farrell, and Robert Shullich v. Express Scripts, Inc. and Anthem, Inc.). Plaintiffs filed a Second Amended Consolidated Class Action Complaint on behalf of health plan beneficiaries who are enrolled in health care plans that are insured or administered by Anthem. Plaintiffs allege that the Company and Anthem breached fiduciary duties and otherwise violated their legal obligations under ERISA, that the Company engaged in mail fraud, wire fraud and other racketeering activity through its invoicing system with Anthem, that the Company breached its contract with Anthem, that plaintiffs are entitled to equitable relief under theories including unjust enrichment, that the Company violated unfair and deceptive trade practices statutes, that Anthem breached the covenant of good faith and fair dealing implied in health plans, and that ESI violated the anti-discrimination provisions of the Affordable Care Act. Plaintiffs adopt many of Anthem's Allegations in support of their claim.

Plaintiffs seek compensatory damages, declaratory relief, equitable relief and attorneys' fees and costs. The Company's motion to dismiss was granted on January 5, 2018. On April 11, 2018, plaintiffs filed an appellate brief. On May 2, 2018, an amicus brief in support of appellants was filed by the American Association of Retired Persons and National Employment Lawyers Association. On May 30, 2018, appellees' briefs were filed. On June 20, 2018, an amicus brief in support of appellees was filed by Pharmaceutical Care Management Association, Association of Health Insurance Plans, and the Chamber of Commerce. On July 5, 2018, appellants filed a reply brief, and the appeal is now fully briefed. The court held oral argument on October 19, 2018 and we await the court's decision.

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Jeanine Prescott, et al. v. CVS Health Corporation, et al. Plaintiffs allege, inter alia, that the defendants entered into “exclusionary” agreements that granted exclusive formulary placement for certain blood glucose test strips in return for higher rebate payments. The complaint alleges that these agreements had the effect of driving up the costs of such test strips for the putative class members and violated RICO, ERISA and the competition and consumer protection laws of various states. Plaintiffs seek treble damages, equitable relief and attorneys’ fees and costs. On November 28, 2017, the court granted the motion of certain defendants, including the Company, to transfer this action to the United States District Court for the District of New Jersey.

Michael Bewley, et al. v. CVS Health Corporation, et al. Plaintiffs allege, inter alia, that the defendants entered into “exclusionary” agreements that granted exclusive formulary placement for certain glucagon products in return for higher rebate payments. The complaint alleges that these agreements had the effect of driving up the costs of such products for the putative class members and violated Sections 1 and 3 of the Sherman Act, RICO, ERISA and the competition and consumer protection laws of various states, U.S. territories and the District of Columbia. Plaintiffs seek treble damages, equitable relief and attorneys’ fees and costs. On November 7, 2017, the court granted defendants’ motion to transfer this action to the United States District Court for the District of New Jersey.

In re: EpiPen ERISA Litigation. Plaintiffs filed a consolidated class action complaint on April 2, 2018, alleging that defendants violated legal obligations under ERISA by negotiating increasingly large rebates from Mylan, which allegedly caused an increase in the price of EpiPen products. Plaintiffs further allege that defendants retained a significant portion of rebates, rather than passing them on to class members (who are participants in, or beneficiaries of, health insurance plans governed by ERISA who purchased EpiPen products). On June 1, 2018, defendants filed a motion to dismiss, which was granted in part and denied in part on October 26, 2018.

City of Rockford and Acument Global Technologies, Inc. v. Mallinckrodt ARD, Inc., f/k/a Questcor Pharmaceuticals, Inc., Mallinckrodt plc, Express Scripts Holding Company, Express Scripts, Inc., CuraScript, Inc., d/b/a CuraScript, SD, Accredo Health Group, Inc., and United BioSource Corporation. Plaintiffs filed a second amended complaint on behalf of a putative class of third party payors for Acthar and their beneficiaries alleging that Mallinckrodt ARD, Inc. and Mallinckrodt plc (for purposes of this Note 12, collectively “Mallinckrodt”), the manufacturer of Acthar, an adrenocorticotrophic hormone (“ACTH”), unlawfully maintained a monopoly in an alleged market for ACTH drugs by, inter alia, acquiring its only potential competitor. Plaintiffs also allege that Mallinckrodt and the Company fixed the price of Acthar, and that alleged agreements involving CuraScript, Inc., Accredo Health Group, Inc., and United BioSource Corporation unlawfully restrain trade. Plaintiffs assert claims under Sections 1 and 2 of the Sherman Act, various state antitrust laws, and RICO, as well as claims for common law fraud and unjust enrichment. Further, the City of Rockford (“Rockford”) alleges that the Company breached its PBM Services Agreement with Rockford and asserts claims for breach of contract, promissory estoppel, and breach of the implied covenant of good faith and fair dealing, and also seeks a declaratory judgment. Plaintiffs seek treble damages, equitable relief, and attorneys’ fees and costs. On January 22, 2018, the Company defendants filed a motion to dismiss the second amended complaint, which has been fully briefed and we await the court’s ruling.

MSP Recovery Claims, Series LLC, MAO-MSO Recovery II, LLC, MSP Recovery, LLC, MSPA Claims 1, LLC v. Mallinckrodt Ard, Inc., f/k/a Questcor Pharmaceuticals, Inc., Mallinckrodt PLC, and United BioSource Corporation. (“UBC”). Plaintiffs make similar allegations to those in the Rockford complaint filed in April 2017. Pursuant to the terms of the Company’s agreement providing for the sale of UBC, the Company has agreed to indemnify UBC for, and retain the responsibility for the defense of, this action. On February 23, 2018, UBC filed a motion to dismiss the complaint, which has been fully briefed and we await the court’s ruling.

• We are the subject of shareholder securities cases relating to the proposed merger with Cigna, including: Abraham Neufeld, et al. v. Express Scripts Holding Company, et al.; Lawrence Zucker, et al. v. Express Scripts Holding Company, et al.; Walter Stern, et al. v. Express Scripts Holding Company, et al.; Kurt Wilson, et al. v. Express Scripts Holding Company, et al.; Phillip Buckingham, et al. v. Express Scripts Holding Company, et al.; and Robert Wolfe, et al. v. Express Scripts Holding Company, et al. Plaintiffs filed putative class action complaints against Express Scripts and the members of its board of directors alleging the registration statements filed in connection with the mergers of Express Scripts and Cigna omitted material information in violation of Sections 14(a)

and 20(a) of the Exchange Act, rendering the registration statements false and misleading. Among other remedies, the complaints seek to enjoin the Express Scripts special meeting and the closing of the mergers, as well as damages, costs and attorneys' fees. On August 29, 2018, plaintiff in the Stern action filed a notice of voluntary dismissal, and the court closed the case on August 30, 2018. On October 17, 2018, plaintiff in the Wilson action filed a notice of voluntary dismissal, and the court closed the case on October 17, 2018.

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¶We are the subject of various qui tam matters, including:

Health Choice Alliance, LLC, on behalf of the United States of America, et al. v. Eli Lilly and Company, Inc., Healthstar Communications, Inc., VMS Biomarketing, Covance, Inc., Covance Market Access Services, Inc., and United Biosource Corporation. A lawsuit was filed against Eli Lilly and Company, Inc. (“Lilly”) and its vendors, including UBC, regarding services Lilly engaged them to provide with respect to insulin drugs Humalog and Humulin and osteoporosis drug Forteo (collectively, the “Lilly Products”). Pursuant to the terms of the Company’s agreement providing for the sale of UBC, the Company has agreed to indemnify UBC for, and retain the responsibility for the defense of, this action. The relator claims that: (1) Healthstar Communications, Inc. and VMS Biomarketing assisted Lilly in providing in-kind remuneration to prescribers in the form of free nursing services to induce such prescribers to prescribe the Lilly Products; (2) Lilly contracted with and paid remuneration to nurse educators to recommend the Lilly Products; and (3) Covance, Inc. and UBC assisted Lilly in providing in-kind remuneration to prescribers in the form of reimbursement support services that saved prescribers administrative expenses, which services were provided to induce such prescribers to prescribe the Lilly Products. The relator alleges these were kickbacks that violated the federal Anti-Kickback Statute. The relator alleges that the defendants violated the federal False Claims Act and state false claims acts by submitting claims for payment for the Lilly Products to government health programs, including Medicare and Medicaid, that were rendered false by virtue of the violations of the federal Anti-Kickback Statute. The relator seeks treble damages, civil penalties and restitution. On January 12, 2018, plaintiffs filed a first amended complaint. On February 21, 2018, UBC filed a motion to dismiss the first amended complaint. On August 10, 2018, the court entered an order adopting the magistrate’s Report and Recommendation dismissing relator’s claims without prejudice. On September 12, 2018, relator filed a second amended complaint, adding Covance Market Access Services, Inc. as a defendant and alleging the same theories.

¶We have received and intend to cooperate with various subpoenas or other requests from government agencies seeking information and have included descriptions of certain specific requests below:

Insulin/Epinephrine Pricing Investigations. The Company has received inquiries from various state Attorneys General offices in connection with pending investigations into potential unfair and deceptive acts or practices related to the pricing, reimbursement and rebates for insulin and epinephrine products and possible contracts, combinations or conspiracies in restraint of trade in the setting of prices for insulin and epinephrine products.

Opioids Investigations. The Company received a request for information from the Office of Attorney General of New York regarding steps taken by the Company to fight opioid abuse in connection with a pending investigation into opioid-related deaths, overdoses, and hospitalizations.

Relationships with Pharmaceutical Manufacturers. The Company has received inquiries relating to its contractual relationships with pharmaceutical manufacturers.

Investigations under the federal False Claims Act and most state false claims acts may be initiated by the applicable government investigative body or by a qui tam relator’s filing of a complaint under court seal. If a qui tam relator’s complaint remained under seal, applicable law would restrict our ability to disclose such a fact.

In addition to the foregoing matters there have arisen various legal proceedings, government investigations, inquiries and audits or claims in the ordinary course of our business now pending against us or our subsidiaries. The effect of these actions on future financial results is not subject to reasonable estimation because the proceedings are in early stages and/or considerable uncertainty exists about the outcomes. Where insurance coverage is not available for such claims, or is not cost-effective, we maintain self-insurance accruals to reduce our exposure to future legal costs, settlements and judgments related to uninsured claims. Our self-insured accruals are based on estimates of the aggregate liability for the costs of uninsured claims incurred and the retained portion of insured claims using certain actuarial assumptions followed in the insurance industry and our experience. It is not possible to predict with certainty the outcome of these claims, and we can give no assurance that any losses in excess of our insurance and any self-insurance accruals will not be material.

Note 13 - Enterprise value initiative

In the third quarter of 2017, we launched a multi-year, enterprise-wide value initiative (“EVI”) to transform our organization through the end of 2021, in part due to the decision by Anthem not to renew our contract, which expires at the end of 2019. We are investing to deliver an improved experience with better engagement and greater efficiency

and evolve the way we do business with patients, providers and our clients. Our EVI is currently estimated to incur a cost of approximately \$600.0

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million to \$650.0 million, which is expected to be incurred through 2021. EVI reflects Express Scripts as an independent company and does not incorporate any impacts of closing the Cigna transaction.

We incurred incremental costs within the PBM segment to achieve the future benefit of our enterprise value initiative. The components of these incremental costs are detailed below.

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
(in millions)	2018	2017	2018	2017
Consulting and temporary labor	\$20.4	\$19.6	\$46.8	\$19.6
Severance and related benefit costs	1.1	3.3	23.9	3.3
Accelerated depreciation	0.6	0.4	2.0	0.4
Site closures	3.0	—	6.0	—
Technology	3.1	—	12.8	—
Total EVI costs	\$28.2	\$23.3	\$91.5	\$23.3

Of the total EVI costs above, \$7.2 million and \$39.9 million are reflected in “Cost of revenues” within our consolidated statement of operations for the three and nine months ended September 30, 2018, respectively, as is \$2.4 million for each of the three and nine months ended September 30, 2017. The costs above include \$21.0 million and \$51.6 million reflected in “Selling, general and administrative,” within our consolidated statement of operations for the three and nine months ended September 30, 2018, respectively, and \$20.9 million for each of the three and nine months ended September 30, 2017.

In addition to the costs noted above, we have capitalized \$31.6 million of software development expenditures as of September 30, 2018; no costs were capitalized as of December 31, 2017.

Total pre-tax charges related to our enterprise value initiative since the inception of the initiative through September 30, 2018 have totaled approximately \$134.3 million.

We did not have material liabilities related to our enterprise value initiative as of September 30, 2018 or December 31, 2017.

Note 14 - Segment information

We report segments on the basis of products and services offered and have determined we have two reportable segments: PBM and Other Business Operations. Within the Other Business Operations segment, we have aggregated two operating segments (CuraScript Specialty Distribution and eviCore) that do not meet the quantitative and qualitative criteria to be separately reported. eviCore was acquired on December 15, 2017. Prior to UBC’s sale on December 27, 2017, the Other Business Operations segment also aggregated our UBC operating segment. Operating income is the measure used by our chief operating decision maker to assess the performance of each of our operating segments. Following is information about our reportable segments, including a reconciliation of operating income to income before income taxes for the three and nine months ended September 30, 2018 and 2017.

(in millions)	PBM ⁽¹⁾	Other Business Operations ⁽²⁾	Total
For the three months ended September 30, 2018			
Product revenues ⁽³⁾⁽⁴⁾	\$23,441.3	\$ 1,107.8	\$24,549.1
Service revenues	314.4	699.7	1,014.1
Total revenues	23,755.7	1,807.5	25,563.2
Depreciation and amortization expense	443.8	53.9	497.7
Operating income	1,459.7	28.9	1,488.6
Interest income and other			13.0
Interest expense and other			(151.0)

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Income before income taxes			1,350.6
Capital expenditures	62.1	3.4	65.5

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(in millions)	PBM ⁽¹⁾	Other Business Operations ⁽²⁾	Total
For the three months ended September 30, 2017			
Product revenues ⁽³⁾	\$23,131.2	\$ 1,130.2	\$24,261.4
Service revenues ⁽⁵⁾	341.9	80.1	422.0
Total revenues	23,473.1	1,210.3	24,683.4
Depreciation and amortization expense	443.5	5.9	449.4
Operating income	1,456.3	22.1	1,478.4
Interest income and other			13.6
Interest expense and other			(147.7)
Income before income taxes			1,344.3
Capital expenditures	67.8	4.2	72.0
For the nine months ended September 30, 2018			
Product revenues ⁽³⁾⁽⁴⁾	\$69,898.0	\$ 3,151.8	\$73,049.8
Service revenues	920.0	2,004.6	2,924.6
Total revenues	70,818.0	5,156.4	75,974.4
Depreciation and amortization expense	1,342.7	157.5	1,500.2
Operating income	3,670.8	91.6	3,762.4
Interest income and other			33.8
Interest expense and other			(456.3)
Income before income taxes			3,339.9
Capital expenditures	218.0	23.3	241.3
For the nine months ended September 30, 2017			
Product revenues ⁽³⁾	\$70,124.7	\$ 3,270.5	\$73,395.2
Service revenues ⁽⁵⁾	1,041.4	249.2	1,290.6
Total revenues	71,166.1	3,519.7	74,685.8
Depreciation and amortization expense	1,326.3	17.9	1,344.2
Operating income	3,855.8	55.8	3,911.6
Interest income and other			28.7
Interest expense and other			(439.9)
Income before income taxes			3,500.4
Capital expenditures	164.9	12.4	177.3

(1) Includes the results of operations for myMatrixx Holdings, Inc. (“myMatrixx”) subsequent to acquisition on May 15, 2017.

(2) Includes the results of operations for eviCore subsequent to acquisition on December 15, 2017, and results of operations for UBC prior to sale on December 27, 2017.

Includes retail pharmacy co-payments of \$1,945.6 million and \$1,925.8 million for the three months ended September 30, 2018 and 2017, respectively, and \$6,492.5 million and \$6,409.7 million for the nine months ended September 30, 2018 and 2017, respectively. Includes home delivery and specialty, including drugs we distribute to other PBMs’ clients under limited distribution contracts with pharmaceutical manufacturers and Freedom Fertility claims.

Includes the impact of the increase to both revenues and cost of revenues of \$849.4 million and \$2,433.5 million for the three and nine months ended September 30, 2018, respectively, related to the adoption of ASC Topic 606 effective January 1, 2018.

(5) Includes other revenues related to drugs distributed through patient assistance programs, which were disposed of as part of the sale of UBC on December 27, 2017.

PBM product revenues consist of revenues from the sale of prescription drugs by retail pharmacies in our retail pharmacy networks, revenues from the dispensing of prescription drugs from our home delivery pharmacies and

revenues from the sale of certain fertility and specialty drugs. Our PBM revenues collected are primarily comprised of total prescription price, which includes a negotiated price with the client, member co-payments, fees-for-service and offsets to revenues we consider client discounts, which include manufacturer rebates and administrative fees payable to clients, obligations under financial and service guarantees to clients and pricing discounts. Other Business Operations product revenues primarily consist of

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distribution of specialty pharmaceuticals. PBM service revenues include fees for the administration of formulary management processing for certain client contracts that do not include claims adjudication and the dispensing of prescription drugs; as well as other fee-for-service arrangements, such as medication counseling services and certain specialty services. Other Business Operations service revenues include revenues related to medical benefit management services beginning on December 15, 2017, the date of the acquisition of eviCore, and, prior to the sale of UBC on December 27, 2017, also included revenues related to data analytics and research.

We have contracts with Anthem and the United States Department of Defense which represent 18% and 12%, respectively, of consolidated revenues for each of the three and nine months ended September 30, 2018.

Note 15 - Condensed consolidating financial information

The senior notes issued by ESI, Medco and us are jointly and severally and fully and unconditionally (subject to certain customary release provisions, including sale, exchange, transfer or liquidation of the guarantor subsidiary) guaranteed by ESI, Medco and us, as applicable. The following condensed consolidating financial information has been prepared in accordance with the requirements for presentation of such information. The condensed consolidating financial information presented below is not indicative of what the financial position, results of operations or cash flows would have been had each of the entities operated as an independent company during the periods for various reasons, including, but not limited to, intercompany transactions and integration of systems.

As described in Note 8 - Financing, we have a credit agreement which was amended on October 26, 2017. In connection with entering into the credit agreement, the Company sent a notice to the respective trustees under the indentures governing the Company's outstanding senior notes (including notes issued by ESI and Medco) that, effective as of October 26, 2017, simultaneously with closing the credit agreement, each of the guarantors under such indentures, other than the Company, ESI and Medco, as applicable, was automatically released from all of its respective obligations under such indentures and its respective guarantees of the outstanding senior notes of the Company, ESI and Medco issued thereunder. As such, the historical subsidiary guarantors have been combined with the historical subsidiary non-guarantors, to reflect the new subsidiary non-guarantor presentation, as shown below. The condensed consolidating financial information is presented separately for:

- (i) Express Scripts, the issuer of certain guaranteed obligations;
- (ii) ESI, guarantor, the issuer of additional guaranteed obligations;
- (iii) Medco, guarantor, the issuer of additional guaranteed obligations;
- (iv) Non-guarantor subsidiaries, on a combined basis;

Consolidating entries and eliminations representing adjustments to (a) eliminate intercompany transactions (v) between or among Express Scripts, ESI, Medco and the non-guarantor subsidiaries, (b) eliminate the investments in our subsidiaries and (c) record consolidating entries; and

- (vi) Express Scripts and subsidiaries on a consolidated basis.

In conjunction with the ongoing reorganization, during 2017, we executed certain intercompany agreements effective retrospectively to January 1, 2017. These intercompany agreements resulted in changes in interest expense among Express Scripts, ESI, Medco and our non-guarantors. These events had no impact on our consolidated balance sheet, consolidated statement of operations or consolidated statement of cash flows.

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Condensed Consolidating Balance Sheet

(in millions)	Express Scripts Holding Company	Express Scripts, Inc.	Medco Health Solutions, Inc.	Non-Guarantors	Eliminations	Consolidated
As of September 30, 2018						
Cash and cash equivalents	\$3,284.4	\$44.3	\$—	\$ 377.0	\$—	\$ 3,705.7
Receivables, net	—	4,117.8	773.7	2,932.6	—	7,824.1
Other current assets	—	492.0	—	2,330.4	—	2,822.4
Total current assets	3,284.4	4,654.1	773.7	5,640.0	—	14,352.2
Property and equipment, net	—	137.1	3.1	350.7	—	490.9
Computer software, net	—	655.5	—	172.0	—	827.5
Investments in subsidiaries	55,794.2	16,678.2	9,264.1	—	(81,736.5)	—
Intercompany	—	1,823.3	1,837.6	20,602.8	(24,263.7)	—
Goodwill	—	3,122.4	22,609.9	5,378.2	—	31,110.5
Other intangible assets, net	—	276.2	5,161.9	2,987.4	—	8,425.5
Other assets	7.0	140.8	93.1	50.8	(56.7)	235.0
Total assets	\$59,085.6	\$27,487.6	\$39,743.4	\$ 35,181.9	\$(106,056.9)	\$ 55,441.6
Claims and rebates payable	\$—	\$7,996.6	\$1,927.3	\$ 266.3	\$—	\$ 10,190.2
Accounts payable	—	1,072.6	24.0	3,316.3	—	4,412.9
Accrued expenses	99.7	1,116.1	151.4	699.8	—	2,067.0
Short-term debt and current maturities of long-term debt	1,684.2	337.1	—	—	—	2,021.3
Total current liabilities	1,783.9	10,522.4	2,102.7	4,282.4	—	18,691.4
Long-term debt	12,472.1	—	502.1	—	—	12,974.2
Intercompany	24,263.7	—	—	—	(24,263.7)	—
Deferred taxes	—	—	1,204.0	1,200.5	(56.7)	2,347.8
Other liabilities	—	543.6	270.1	41.7	—	855.4
Non-controlling interest	—	—	—	6.9	—	6.9
Express Scripts stockholders' equity	20,565.9	16,421.6	35,664.5	29,650.4	(81,736.5)	20,565.9
Total liabilities and stockholders' equity	\$59,085.6	\$27,487.6	\$39,743.4	\$ 35,181.9	\$(106,056.9)	\$ 55,441.6

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Condensed Consolidating Balance Sheet

(in millions)	Express Scripts Holding Company	Express Scripts, Inc.	Medco Health Solutions, Inc.	Non-Guarantors	Eliminations	Consolidated
As of December 31, 2017						
Cash and cash equivalents	\$1,031.0	\$114.5	\$—	\$ 1,164.1	\$—	\$ 2,309.6
Receivables, net	—	3,740.9	971.3	2,344.1	—	7,056.3
Other current assets	—	350.7	2.1	2,238.4	—	2,591.2
Total current assets	1,031.0	4,206.1	973.4	5,746.6	—	11,957.1
Property and equipment, net	—	166.1	3.2	382.0	—	551.3
Computer software, net	—	640.0	—	174.9	—	814.9
Investments in subsidiaries	52,546.3	14,350.2	8,926.0	—	(75,822.5)	—
Intercompany	—	847.1	2,531.5	17,624.0	(21,002.6)	—
Goodwill	—	3,122.4	22,609.9	5,367.4	—	31,099.7
Other intangible assets, net	—	449.5	5,917.1	3,259.3	—	9,625.9
Other assets	8.2	112.6	80.3	42.7	(36.9)	206.9
Total assets	\$53,585.5	\$23,894.0	\$41,041.4	\$ 32,596.9	\$(96,862.0)	\$ 54,255.8
Claims and rebates payable	\$—	\$7,389.4	\$2,574.3	\$ 224.8	\$—	\$ 10,188.5
Accounts payable	—	840.3	34.0	2,881.4	—	3,755.7
Accrued expenses	126.6	1,192.7	272.7	1,277.3	—	2,869.3
Short-term debt and current maturities of long-term debt	194.8	—	838.1	—	—	1,032.9
Total current liabilities	321.4	9,422.4	3,719.1	4,383.5	—	17,846.4
Long-term debt	14,141.9	336.7	502.9	—	—	14,981.5
Intercompany	21,002.6	—	—	—	(21,002.6)	—
Deferred taxes	—	—	1,392.2	1,207.1	(36.9)	2,562.4
Other liabilities	—	457.1	258.4	24.7	—	740.2
Non-controlling interest	—	—	—	5.7	—	5.7
Express Scripts stockholders' equity	18,119.6	13,677.8	35,168.8	26,975.9	(75,822.5)	18,119.6
Total liabilities and stockholders' equity	\$53,585.5	\$23,894.0	\$41,041.4	\$ 32,596.9	\$(96,862.0)	\$ 54,255.8

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Condensed Consolidating Statement of Operations and Comprehensive Income

(in millions)	Express Scripts Holding Company	Express Scripts, Inc.	Medco Health Solutions, Inc.	Non-Guarantors	Eliminations	Consolidated
For the three months ended September 30, 2018						
Revenues	\$—	\$17,717.5	\$4,051.7	\$ 16,316.9	\$(12,522.9)	\$ 25,563.2
Operating expenses	—	17,696.9	3,910.3	14,990.3	(12,522.9)	24,074.6
Operating income	—	20.6	141.4	1,326.6	—	1,488.6
Other (expense) income:						
Interest (expense) income and other, net	(134.0)	2.3	(5.0)	(1.3)	—	(138.0)
Intercompany interest income (expense)	139.0	(69.5)	(45.5)	(24.0)	—	—
Other (expense) income, net	5.0	(67.2)	(50.5)	(25.3)	—	(138.0)
Income (loss) before income taxes	5.0	(46.6)	90.9	1,301.3	—	1,350.6
Provision (benefit) for income taxes	1.2	(43.8)	23.8	295.6	—	276.8
Income (loss) before equity in earnings of subsidiaries	3.8	(2.8)	67.1	1,005.7	—	1,073.8
Equity in earnings of subsidiaries	1,067.8	919.3	86.4	—	(2,073.5)	—
Net income	1,071.6	916.5	153.5	1,005.7	(2,073.5)	1,073.8
Less: Net income attributable to non-controlling interest	—	—	—	2.2	—	2.2
Net income attributable to Express Scripts	1,071.6	916.5	153.5	1,003.5	(2,073.5)	1,071.6
Other comprehensive income	1.5	1.5	—	1.5	(3.0)	1.5
Comprehensive income attributable to Express Scripts	\$1,073.1	\$918.0	\$153.5	\$1,005.0	\$(2,076.5)	\$1,073.1
For the three months ended September 30, 2017						
Revenues	\$—	\$17,032.6	\$4,787.9	\$ 15,633.9	\$(12,771.0)	\$ 24,683.4
Operating expenses	—	16,988.4	4,708.8	14,278.8	(12,771.0)	23,205.0
Operating income	—	44.2	79.1	1,355.1	—	1,478.4
Other (expense) income:						
Interest (expense) income and other, net	(127.6)	1.7	(7.1)	(1.1)	—	(134.1)
Intercompany interest income (expense)	48.0	(24.0)	—	(24.0)	—	—
Other expense, net	(79.6)	(22.3)	(7.1)	(25.1)	—	(134.1)
Income (loss) before income taxes	(79.6)	21.9	72.0	1,330.0	—	1,344.3
Provision (benefit) for income taxes	(28.2)	7.1	28.8	491.6	—	499.3
Income (loss) before equity in earnings of subsidiaries	(51.4)	14.8	43.2	838.4	—	845.0
Equity in earnings of subsidiaries	893.1	768.7	66.4	—	(1,728.2)	—
Net income	841.7	783.5	109.6	838.4	(1,728.2)	845.0
Less: Net income attributable to non-controlling interest	—	—	—	3.3	—	3.3
Net income attributable to Express Scripts	841.7	783.5	109.6	835.1	(1,728.2)	841.7
Other comprehensive income	3.7	3.7	—	3.7	(7.4)	3.7
	\$845.4	\$787.2	\$109.6	\$838.8	\$(1,735.6)	\$845.4

Comprehensive income attributable to
Express Scripts

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Condensed Consolidating Statement of Operations and Comprehensive Income

(in millions)	Express Scripts Holding Company	Express Scripts, Inc.	Medco Health Solutions, Inc.	Non-Guarantors	Eliminations	Consolidated
For the nine months ended September 30, 2018						
Revenues	\$—	\$52,322.5	\$12,513.1	\$ 47,800.9	\$(36,662.1)	\$ 75,974.4
Operating expenses	—	52,110.5	12,210.9	44,552.7	(36,662.1)	72,212.0
Operating income	—	212.0	302.2	3,248.2	—	3,762.4
Other (expense) income:						
Interest (expense) income and other, net	(404.2)	2.9	(20.4)	(0.8)	—	(422.5)
Intercompany interest income (expense)	413.5	(206.8)	(134.7)	(72.0)	—	—
Other (expense) income, net	9.3	(203.9)	(155.1)	(72.8)	—	(422.5)
Income before income taxes	9.3	8.1	147.1	3,175.4	—	3,339.9
Provision (benefit) for income taxes	2.0	(36.2)	32.1	762.9	—	760.8
Income before equity in earnings of subsidiaries	7.3	44.3	115.0	2,412.5	—	2,579.1
Equity in earnings of subsidiaries	2,564.8	2,225.4	184.6	—	(4,974.8)	—
Net income	2,572.1	2,269.7	299.6	2,412.5	(4,974.8)	2,579.1
Less: Net income attributable to non-controlling interest	—	—	—	7.0	—	7.0
Net income attributable to Express Scripts	2,572.1	2,269.7	299.6	2,405.5	(4,974.8)	2,572.1
Other comprehensive loss	(3.6)	(3.6)	—	(3.6)	7.2	(3.6)
Comprehensive income attributable to Express Scripts	\$2,568.5	\$2,266.1	\$299.6	\$ 2,401.9	\$(4,967.6)	\$ 2,568.5
For the nine months ended September 30, 2017						
Revenues	\$—	\$51,684.3	\$14,305.8	\$ 46,618.7	\$(37,923.0)	\$ 74,685.8
Operating expenses	—	51,468.0	14,039.1	43,190.1	(37,923.0)	70,774.2
Operating income	—	216.3	266.7	3,428.6	—	3,911.6
Other (expense) income:						
Interest (expense) income and other, net	(381.3)	1.9	(28.2)	(3.6)	—	(411.2)
Intercompany interest income (expense)	147.0	(73.5)	—	(73.5)	—	—
Other expense, net	(234.3)	(71.6)	(28.2)	(77.1)	—	(411.2)
Income (loss) before income taxes	(234.3)	144.7	238.5	3,351.5	—	3,500.4
Provision (benefit) for income taxes	(84.8)	51.5	110.0	1,222.9	—	1,299.6
Income (loss) before equity in earnings of subsidiaries	(149.5)	93.2	128.5	2,128.6	—	2,200.8
Equity in earnings of subsidiaries	2,339.3	2,010.2	107.4	—	(4,456.9)	—
Net income	2,189.8	2,103.4	235.9	2,128.6	(4,456.9)	2,200.8
Less: Net income attributable to non-controlling interest	—	—	—	11.0	—	11.0
Net income attributable to Express Scripts	2,189.8	2,103.4	235.9	2,117.6	(4,456.9)	2,189.8

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Other comprehensive income	8.4	8.4	—	8.4	(16.8) 8.4
Comprehensive income attributable to Express Scripts	\$2,198.2	\$2,111.8	\$235.9	\$ 2,126.0	\$(4,473.7) \$2,198.2

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Condensed Consolidating Statement of Cash Flows

(in millions)	Express Scripts Holding Company	Express Scripts, Inc.	Medco Health Solutions, Inc.	Non-Guarantor	Eliminations	Consolidated
For the nine months ended September 30, 2018						
Net cash flows provided by (used in) operating activities	\$(20.2)	\$835.1	\$144.0	\$2,126.9	\$(97.5)	\$2,988.3
Cash flows from investing activities:						
Capital expenditures for property and equipment and computer software	—	(186.0)	—	(55.3)	—	(241.3)
Acquisitions, net of cash acquired	—	(5.6)	—	(20.8)	—	(26.4)
Other, net	—	3.7	(2.5)	(13.7)	(15.8)	(28.3)
Net cash used in investing activities	—	(187.9)	(2.5)	(89.8)	(15.8)	(296.0)
Cash flows from financing activities:						
Repayment of long-term debt	—	—	(831.4)	—	—	(831.4)
Treasury stock acquired	(420.7)	—	—	—	—	(420.7)
Net proceeds from employee stock plans	198.9	—	—	—	—	198.9
Commercial paper repayments, net	(195.0)	—	—	—	—	(195.0)
Other, net	—	(7.3)	—	(149.4)	113.3	(43.4)
Net intercompany transactions	2,690.4	(710.1)	689.9	(2,670.2)	—	—
Net cash (used in) provided by financing activities	2,273.6	(717.4)	(141.5)	(2,819.6)	113.3	(1,291.6)
Effect of foreign currency translation adjustment	—	—	—	(4.6)	—	(4.6)
Net increase (decrease) in cash and cash equivalents	2,253.4	(70.2)	—	(787.1)	—	1,396.1
Cash and cash equivalents at beginning of period	1,031.0	114.5	—	1,164.1	—	2,309.6
Cash and cash equivalents at end of period	\$3,284.4	\$44.3	\$—	\$377.0	\$—	\$3,705.7
For the nine months ended September 30, 2017						
Net cash flows provided by (used in) operating activities	\$(174.8)	\$868.3	\$1,066.5	\$2,408.8	\$(187.3)	\$3,981.5
Cash flows from investing activities:						
Capital expenditures for property and equipment and computer software	—	(128.0)	—	(49.3)	—	(177.3)
Acquisitions, net of cash acquired	—	(122.7)	—	—	—	(122.7)
Other, net	—	(15.3)	—	4.0	—	(11.3)
Net cash used in investing activities	—	(266.0)	—	(45.3)	—	(311.3)
Cash flows from financing activities:						
Repayment of long-term debt	(650.0)	—	—	—	—	(650.0)
Treasury stock acquired	(2,735.7)	—	—	—	—	(2,735.7)
Net proceeds from employee stock plans	51.3	—	—	—	—	51.3
Other, net	—	(19.0)	—	(190.8)	187.3	(22.5)
Net intercompany transactions	4,202.5	(263.3)	(1,070.9)	(2,868.3)	—	—
Net cash (used in) provided by financing activities	868.1	(282.3)	(1,070.9)	(3,059.1)	187.3	(3,356.9)
	—	—	—	5.4	—	5.4

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Effect of foreign currency translation
adjustment

Net increase (decrease) in cash and cash equivalents	693.3	320.0	(4.4	) (690.2	) —	318.7
Cash and cash equivalents at beginning of period	583.5	1,234.2	4.4	1,255.1	—	3,077.2
Cash and cash equivalents at end of period	\$ 1,276.8	\$ 1,554.2	\$ —	\$ 564.9	\$ —	\$ 3,395.9

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Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Forward Looking Statements and Associated Risks

Information we have included in this Quarterly Report on Form 10-Q, and information which may be contained in our other filings with the Securities and Exchange Commission (the "SEC") and our press releases or other public statements, contains or may contain forward-looking statements. These forward-looking statements include, among other things, statements of our plans, objectives, expectations (financial or otherwise) or intentions.

Our forward-looking statements involve risks and uncertainties. Our actual results may differ materially from those projected or suggested in any forward-looking statements. We do not undertake any obligation to release publicly any revisions to such forward-looking statements to reflect events or circumstances occurring after the date hereof or to reflect the occurrence of unanticipated events. Any number of factors could cause our actual results to differ materially from those contemplated by any forward-looking statements, including, but not limited to, the risks associated with the following:

- our ability to remain profitable in a very competitive marketplace depends upon our continued ability to attract and retain clients while maintaining our margins, differentiate our products and services from those of our competitors, and develop and cross-sell new products and services to our existing clients
- our failure to anticipate and appropriately adapt to changes or trends within the rapidly changing healthcare industry changes in applicable laws, rules or regulations, or their interpretation or enforcement, or the enactment of new laws, rules or regulations, which apply to our business practices (past, present or future) or require us to spend significant resources for compliance
- a failure in the security or stability of our technology infrastructure, or the infrastructure of one or more of our key vendors
- our failure to execute on, or other issues arising under, certain key client contracts
- significant changes within the pharmacy provider marketplace, including the loss of or adverse change in our relationship with one or more key pharmacy providers
- a significant failure or disruption in service within our operations or the operations of our vendors
- changes relating to Medicare Part D, our failure to comply with Centers for Medicare & Medicaid Services ("CMS") regulatory requirements, our failure to comply with CMS contractual requirements applicable to us as a Medicare Part D prescription drug plan ("PDP") sponsor or our failure to otherwise execute on our strategies related to Medicare Part D
- our failure to effectively execute on strategic transactions or successfully integrate the business operations or achieve the anticipated benefits from any acquired businesses
- a failure to adequately protect confidential personal information, health information or other proprietary information received and used in our business operations
- the termination, loss, or an unfavorable modification, of our relationship with one or more key pharmaceutical manufacturers, or the significant reduction in payments made or discounts provided by pharmaceutical manufacturers results in pending and future litigation, government investigations, audits or other proceedings which could subject us to significant monetary damages or penalties and/or require us to change our business practices, or the costs incurred in connection with such proceedings
- failure to appropriately estimate and manage costs related to our risk-based medical benefit offerings in our medical benefits management business could have a material adverse effect on our Other Business Operations segment results of operations
- our failure to attract and retain talented employees, or to manage succession and retention for our Chief Executive Officer or other key executives
- changes in drug pricing or industry pricing benchmarks
- the impact of our debt service obligations on the availability of funds for other business purposes, the terms of and our required compliance with covenants relating to our indebtedness and our access to the credit markets in general

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delays, reductions, suspensions or cancellations of government spending or appropriations relating to our business
 general economic conditions
 prevention or delay or reduction in anticipated benefits of the mergers contemplated by the Agreement and Plan of Merger dated March 8, 2018, as amended by Amendment No. 1, dated as of June 27, 2018, and as it may be further amended from time to time (the “Merger Agreement”) by and among Cigna Corporation and certain of its subsidiaries (collectively, Cigna) and Express Scripts Holding Company (“Express Scripts”) whereby Cigna will acquire Express Scripts in a cash and stock transaction facilitated through a series of mergers (the “Transaction”)
 business uncertainties and contractual restrictions during the pendency of the Transaction
 restrictions on our ability to pursue alternatives to the mergers contemplated by the Merger Agreement
 the impact on our business, financial results, and stock price should we fail to complete the mergers contemplated by the Merger Agreement
 the number of shares of the combined company’s common stock our stockholders will receive under the Merger Agreement is based on a fixed exchange ratio and the market value of the shares of the combined company’s common stock to be issued upon completion of the mergers is unknown, and therefore our stockholders cannot be certain of the value of the share consideration that they will receive pursuant to the Merger Agreement
 other risks described from time to time in our filings with the SEC
 See the more comprehensive description of risk factors under the captions “Forward Looking Statements and Associated Risks” contained in Item 1 - “Business” and Item 1A - “Risk Factors” of our Annual Report on Form 10-K for the year ended December 31, 2017, filed with the SEC on February 27, 2018, under the caption “Risk Factors” contained in Part II - Item 1A - “Risk Factors” of this Quarterly Report on Form 10-Q and in our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2018 and June 30, 2018, filed with the SEC, and under the caption “Risk Factors” contained in the definitive joint proxy statement/prospectus in connection with the mergers, filed with the SEC on July 16, 2018.
 These and other relevant factors and any other information included in this Report, and information which may be contained in our other filings with the SEC, should be carefully considered when reviewing any forward-looking statement. We note these factors for investors as permitted under the Private Securities Litigation Reform Act of 1995. Investors should understand it is impossible to predict or identify all such factors or risks. As such, you should not consider either the foregoing list, or the risks identified in our SEC filings, to be a complete discussion of all potential risks or uncertainties.

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OVERVIEW

As the largest independent pharmacy benefit management (“PBM”) company in the United States, we provide a full range of services to our clients, which include managed care organizations, health insurers, third-party administrators, employers, union-sponsored benefit plans, workers’ compensation plans, government health programs, providers, clinics, hospitals and others. We report segments on the basis of products and services we offer and have determined we have two reportable segments: PBM and Other Business Operations. Our integrated PBM services include clinical solutions, Express Scripts SafeGuardRx, specialized pharmacy care (Therapeutic Resource Center services), home delivery pharmacy services, specialty pharmacy services (pharmacy fulfillment), retail network pharmacy administration, benefit design consultation, drug utilization review, drug formulary management, Medicare, Medicaid and Public Exchange offerings, administration of a group purchasing organization, Inside Rx and digital consumer health and drug information.

Through our Other Business Operations segment, we provide specialty pharmaceuticals and medical supplies distribution services to providers, clients and hospitals and medical benefit management services that drive cost reductions and improved quality care outcomes. Medical benefit management services are provided by CareCore National Group, LLC and its affiliates d/b/a eviCore healthcare (“eviCore”), which was acquired on December 15, 2017. Prior to December 27, 2017, our Other Business Operations segment also included consulting services for pharmaceutical and biotechnology manufacturers to collect scientific evidence to guide the safe, effective and affordable use of medicines. These services were provided by United BioSource Holdings, Inc. (“UBC”), which was sold on December 27, 2017.

Revenues generated by our segments are classified as either tangible product revenues or service revenues. We earn tangible product revenues from the sale of prescription drugs by retail pharmacies in our retail pharmacy networks and from dispensing prescription drugs from our home delivery and specialty pharmacies. Service revenues include fees for the administration of formulary management processing for certain client contracts that do not include claims adjudication and the dispensing of prescription drugs, medical benefit management services, as well as other fee-for-service arrangements, such as medication counseling services and certain specialty services. Tangible product revenues generated by our PBM and Other Business Operations segments represented 96.0% and 98.3% of revenues for the three months ended September 30, 2018 and 2017, respectively, and 96.2% and 98.3% of revenues for the nine months ended September 30, 2018 and 2017, respectively.

Our PBM revenues are primarily comprised of:

- (1) total prescription price, which includes a negotiated price with the client and a fee related to dispensing at retail pharmacies;
- (2) member co-payments;
- (3) offsets to revenues we consider client discounts, which include manufacturer rebates and administrative fees payable to clients, obligations under financial and service guarantees to clients, and pricing discounts; and
- (4) fees-for-services.

Cost of revenues of our PBM business are primarily comprised of:

- (1) ingredient cost;
- (2) a dispensing fee to retail pharmacies;
- (3) direct costs associated with dispensing prescriptions, including direct processing labor and shipping and handling costs;
- (4) member co-payments to retail pharmacies; and
- (5) purchase discounts, which are an offset to cost of revenues and include volume discounts and rebates and administrative fees received from manufacturers.

We believe the key drivers that impact PBM revenues and cost of revenues are claims volume, claims mix and price. As our claims volume increases or decreases, our associated revenues and cost of revenues correspondingly increase or decrease. In addition, gross profit could increase or decrease as a result of changes in purchasing discounts.

The mix of claims generally includes the type of drug adjudicated and the distribution method in which a claim is dispensed. As our mix of drugs changes, our associated revenues and cost of revenues correspondingly may increase or decrease. The primary driver of fluctuations within our mix of claims is the generic fill rate. Generally, higher

generic fill rates reduce PBM revenues, as generic drugs are typically

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priced lower than the branded drugs they replace. However, as ingredient cost paid to pharmacies on generic drugs is incrementally lower than the price charged to our clients, higher generic fill rates generally have a favorable impact on our gross profit. The home delivery generic fill rate is currently lower than the network generic fill rate as fewer generic substitutions are available among maintenance medications (e.g. therapies for chronic conditions) commonly dispensed from home delivery pharmacies as compared to acute medications, which are primarily dispensed by pharmacies in our retail networks.

Our PBM contract pricing is impacted by our ability to negotiate pharmacy network contracts, pharmaceutical and wholesaler purchasing contracts, and manufacturer rebate contracts. Through our integrated set of solutions, we are able to reduce the rate of increase of our clients' prescription drug spend, and, in some cases, lower our clients' prescription drug costs, which may ultimately reduce our revenues while positively affecting our gross profit. We refer to the management of these solutions as "management of supply chain." Inflation also impacts our pricing. Most of our contracts provide that we bill clients and pay pharmacies based on a generally recognized price index for pharmaceuticals and, accordingly, the rate of inflation with respect to prescription drugs and our efforts to manage the impact of inflation for our clients can affect our revenues and cost of revenues.

EXECUTIVE SUMMARY AND TREND FACTORS AFFECTING THE BUSINESS

We operate in a dynamic environment influenced by a number of marketplace forces including healthcare legislation, regulation, macroeconomic factors and competition. We recognize continued consolidation within the broad healthcare sector could shift claims volume within the PBM industry, although the direction and degree of any impact remain unclear. Our claims volume has been impacted by certain in-group attrition and client losses and gains and will continue to be impacted by our Transitioning Clients as defined below. We also recognize as the regulatory environment evolves, it may be necessary to make significant investments to prepare for and adapt to regulatory changes. We continue to execute our focused business model, which emphasizes the alignment of our financial interests with those of our clients and patients through greater use of generics and lower-cost brands delivered through home delivery, specialty and retail pharmacies, as well as the adoption of new cost saving product programs and solutions. We also continue to benefit from better management of ingredient costs through negotiation of supplier contracts, increased competition among generic manufacturers and a higher generic fill rate (86.2% and 86.7% for the three and nine months ended September 30, 2018, respectively, as compared to 86.1% and 86.4% for the three and nine months ended September 30, 2017, respectively). We have achieved higher generic fill rates as we continue to provide our clients with additional tools designed to proactively manage total drug spend by increasing lower cost alternatives. We expect these ongoing positive trends in our business will continue to offset the negative factors described above, excluding the impact of the Transitioning Clients described below.

On March 8, 2018, we entered into an Agreement and Plan of Merger, as amended by Amendment No. 1, dated as of June 27, 2018, and as it may be further amended from time to time (the "Merger Agreement"), with Cigna Corporation ("Cigna") and certain subsidiaries of Cigna whereby Cigna will acquire Express Scripts Holding Company ("Express Scripts" or the "Company") in a cash and stock transaction valued on announcement at approximately \$67.0 billion, including Cigna's assumption of approximately \$15.0 billion in Express Scripts debt. The merger consideration per share of Company common stock will consist of (i) 0.2434 of a fully paid and nonassessable share of common stock of the combined company and (ii) the right to receive \$48.75 in cash, without interest. Upon closing of the transaction, Cigna stockholders are expected to own approximately 64% of the combined company and Express Scripts stockholders are expected to own approximately 36%. Consummation of the mergers is subject to certain customary conditions, including approval by the holders of a majority of the outstanding shares of Company common stock entitled to vote on the adoption of the Merger Agreement and approval by the holders of a majority of the outstanding shares of Cigna common stock entitled to vote on the adoption of the Merger Agreement (the shares of common stock of the combined company to be issued in the merger having been approved for listing on the New York Stock Exchange), the receipt of certain necessary governmental and regulatory approvals without the imposition of Burdensome Conditions (as defined in the Merger Agreement), the lack of any pending action or proceeding instituted by certain governmental entities to enjoin, restrain or prohibit the merger, and the receipt by each of the Company and Cigna of certain tax opinions. At a special meeting of stockholders held on August 24, 2018, Express Scripts' stockholders approved the adoption of the Merger Agreement. Also on August 24, 2018, Cigna's stockholders

approved the adoption of the Merger Agreement. On September 17, 2018, the U.S. Department of Justice (the “DOJ”) cleared the pending merger, terminating the applicable waiting period under the Hart-Scott-Rodino Antitrust Improvements Act of 1976. The transaction remains subject to certain state regulatory approvals and filings required in connection with the transaction, including clearances from certain departments of insurance and the satisfaction of all closing conditions. The mergers are expected to be completed by December 31, 2018. Until the closing, we will continue to operate as an independent company.

As a result of federal tax reform legislation enacted in the fourth quarter of 2017, we have revalued our deferred tax assets and liabilities to reflect the reduction in the federal tax rate from 35% to 21%. In current and future periods, we

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anticipate a reduction in our effective income tax rate, excluding discrete income tax items, to slightly below the 14 percentage point reduction in our statutory federal tax rate. The rate reduction resulted in substantial tax savings. As part of these savings, we supported our employees with non-executive bonuses and have supported and plan to continue to support the local philanthropic needs of the communities in which we operate by making significant charitable contributions. During the nine months ended September 30, 2018, we funded \$30.0 million in one-time charitable contributions and awarded \$23.2 million in non-executive bonuses as a result of the tax savings received as part of tax reform.

In the third quarter of 2017, we launched a multi-year, enterprise-wide value initiative (“EVI”) to transform our organization through the end of 2021, in part due to the decision by Anthem not to renew our contract, which expires at the end of 2019. We are investing to deliver an improved experience with better engagement and greater efficiency and evolve the way we do business with patients, providers and our clients. Our EVI is currently estimated to incur a cost of approximately \$600.0 million to \$650.0 million, which is expected to be incurred through 2021. EVI reflects Express Scripts as an independent company and does not incorporate any impacts of closing the Cigna transaction. Effective December 15, 2017, we acquired 100% of eviCore for approximately \$3.6 billion. Operating results of eviCore are included in the consolidated financial statements from the date of acquisition. eviCore offers a broad range of integrated medical benefit management solutions that drive cost reductions and improved quality care outcomes. eviCore manages benefits in categories including radiology, cardiology, musculoskeletal disorders, post-acute care and medical oncology, and contracts with health plans and commercial clients to promote the appropriate use of healthcare services.

Transitioning Clients

Our contract with Anthem expires at the end of 2019 with a one year transition period through 2020. Based on an announcement by Anthem on October 18, 2017, Anthem will not renew its contract with us. We continue to focus on providing exceptional service to Anthem and its clients in accordance with the terms of our contract.

As a result of acquisitions of their businesses, Catamaran Corporation’s (“Catamaran”) contract ended on December 31, 2017 and Coventry Health Care, Inc’s (“Coventry”) contract began terminating in 2015; however, we will retain small portions of Coventry’s business through 2019. We include Anthem, Coventry and Catamaran in our definition of “Transitioning Clients.”

Anthem generated approximately 18% of our total consolidated revenues for each of the three and nine months ended September 30, 2018 and approximately 19% of our total consolidated revenues for each of the three and nine months ended September 30, 2017. Anthem generated approximately 31% and 32% of our total Adjusted EBITDA attributable to Express Scripts (“Adjusted EBITDA”) for the three and nine months ended September 30, 2018, respectively, and approximately 29% and 32% of our total Adjusted EBITDA for the three and nine months ended September 30, 2017, respectively. Under the terms of our contract, Anthem’s contribution to our profitability will continue to exceed its proportional contribution to our revenues.

On March 21, 2016, Anthem filed a lawsuit setting forth certain allegations and claims for relief with respect to our pharmacy benefit management agreement with them (see Item 2 - “Note 12 - Commitments and contingencies”). We are confident in the strength of our legal position and believe we have consistently acted in good faith and in accordance with the terms of the agreement and have a number of valid defenses to the claims asserted. We further believe Anthem’s lawsuit is without merit. However, litigation and the potential outcome cannot be accurately or effectively predicted and at this time we are unable to provide a timetable or an estimate as to the potential outcome of this matter, which could result in a material adverse effect on our business and results of operations.

RESULTS OF OPERATIONS

OPERATING INCOME

We report segments on the basis of the products and services we offer and have determined we have two reportable segments: PBM and Other Business Operations. Our PBM segment includes our integrated PBM operations, including delivery of prescription drugs through our contracted network of retail pharmacies, our home delivery pharmacies and our specialty pharmacies. Our Other Business Operations segment includes our specialty distribution operations, our integrated medical benefit management business (eviCore) acquired on December 15, 2017, and UBC through sale on December 27, 2017.

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PBM Operating Income

	Three Months Ended September 30,		Nine Months Ended September 30,	
(in millions)	2018	2017	2018	2017
Product revenues:				
Network revenues ⁽¹⁾	\$12,525.6	\$12,182.9	\$37,392.2	\$36,982.2
Home delivery and specialty revenues ⁽²⁾	10,915.7	10,948.3	32,505.8	33,142.5
Service revenues	314.4	341.9	920.0	1,041.4
Total PBM revenues	23,755.7	23,473.1	70,818.0	71,166.1
Cost of PBM revenues ⁽¹⁾	21,533.6	21,282.7	64,776.0	65,042.3
PBM gross profit	2,222.1	2,190.4	6,042.0	6,123.8
PBM SG&A	762.4	734.1	2,371.2	2,268.0
PBM operating income	\$1,459.7	\$1,456.3	\$3,670.8	\$3,855.8
Claims:				
Network	207.0	213.5	631.1	655.4
Home delivery and specialty ⁽²⁾	25.6	28.7	78.2	86.9
Total PBM claims	232.6	242.2	709.3	742.3
Adjusted network ⁽³⁾	260.2	259.5	784.8	790.7
Adjusted home delivery and specialty ⁽²⁾⁽³⁾	74.4	84.0	227.8	254.2
Total adjusted PBM claims ⁽³⁾	334.6	343.5	1,012.6	1,044.9
Generic fill rate:				
Network	86.5	% 86.5	% 87.1	% 86.9
Home delivery	83.9	% 83.5	% 84.0	% 82.8
Overall	86.2	% 86.1	% 86.7	% 86.4

Includes retail pharmacy co-payments of \$1,945.6 million and \$1,925.8 million for the three months ended

(1) September 30, 2018 and 2017, respectively, and \$6,492.5 million and \$6,409.7 million for the nine months ended September 30, 2018 and 2017, respectively.

(2) Includes home delivery and specialty claims including drugs we distribute to other PBMs' clients under limited distribution contracts with pharmaceutical manufacturers and Freedom Fertility claims.

Adjusted network claims include an adjustment to reflect non-specialty network claims filled through our 90-day programs. These claims are multiplied by three, as these claims, on average, typically cover a time period three (3) times longer than other network claims. Home delivery claims are also multiplied by three as home delivery claims typically cover a time period three times longer than unadjusted network claims. All other network and specialty claims are counted as one claim.

PBM revenues. Network revenues increased \$342.7 million, or 3%, in the three months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 2% attributable to a 6.5 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- An increase of approximately 5% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

Home delivery and specialty revenues decreased \$32.6 million, or less than 1%, in the three months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 10% attributable to a 3.1 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- An increase of approximately 8% attributable to pricing, due primarily to inflation on specialty branded drugs, partially offset by management of supply chain.

- An increase of approximately 2% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

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Network revenues increased \$410.0 million, or 1%, in the nine months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 3% attributable to a 24.3 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- A decrease of approximately 1% attributable to claims mix, due primarily to the increase in the generic fill rate.

- An increase of approximately 5% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

Home delivery and specialty revenues decreased \$636.7 million, or 2%, in the nine months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 10% attributable to a 8.7 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- A decrease of approximately 3% attributable to claims mix, due primarily to the increase in the generic fill rate.

- An increase of approximately 10% attributable to pricing, due primarily to inflation on specialty branded drugs, partially offset by management of supply chain.

- An increase of approximately 1% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

Cost of PBM revenues. Cost of PBM revenues increased \$250.9 million, or 1%, in the three months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 6% attributable to a 9.6 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- An increase of approximately 4% attributable to pricing, due primarily to inflation on specialty branded drugs, partially offset by management of supply chain.

- An increase of approximately 3% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

Cost of PBM revenues decreased \$266.3 million, or less than 1%, in the nine months ended September 30, 2018 from 2017, comprised of the following:

- A decrease of approximately 6% attributable to a 33.0 million decrease in claims volume, which includes the impact of our Transitioning Clients.

- A decrease of approximately 2% attributable to claims mix, due primarily to the increase in the generic fill rate.

- An increase of approximately 5% attributable to pricing, due primarily to inflation on specialty branded drugs, partially offset by management of supply chain.

- An increase of approximately 3% attributable to the impact of the adoption of ASC Topic 606 effective January 1, 2018. See Note 2 - Revenue for additional information on the impact of adoption.

PBM gross profit. PBM gross profit increased \$31.7 million, or 1%, but decreased \$81.8 million, or 1%, in the three and nine months ended September 30, 2018 from 2017, respectively. PBM gross profit changes were impacted by the various factors impacting revenues and cost of revenues described above. PBM gross profit was also impacted by the realization of certain additional revenues related to the Anthem contract of \$72.7 million for the nine months ended September 30, 2018, as compared to \$52.6 million for the nine months ended September 30, 2017.

PBM selling, general and administrative expense. Selling, general and administrative expense ("SG&A") for our PBM segment increased \$28.3 million, or 4%, in the three months ended September 30, 2018 from 2017. This increase relates primarily to \$11.9 million of transaction costs for the three months ended September 30, 2018, and no transaction costs in 2017. The remaining increase relates to various individually insignificant items.

SG&A for our PBM segment increased \$103.2 million, or 5%, in the nine months ended September 30, 2018 from 2017. This increase relates primarily to \$48.0 million of transaction costs, \$30.0 million of one-time charitable contributions and \$51.6 million of enterprise value initiative costs incurred for the nine months ended September 30, 2018, as compared to \$20.9 million of enterprise value initiative costs and no transaction costs or one-time charitable contributions in 2017. These increases were partially offset by operational efficiencies.

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PBM operating income. PBM operating income increased \$3.4 million, or less than 1%, but decreased \$185.0 million, or 5%, in the three and nine months ended September 30, 2018 from 2017, respectively, based on the various factors described above.

Other Business Operations Operating Income

	Three Months Ended September 30,		Nine Months Ended September 30,	
(in millions)	2018	2017	2018	2017
Product revenues	\$1,107.8	\$1,130.2	\$3,151.8	\$3,270.5
Service revenues	699.7	80.1	2,004.6	249.2
Total Other Business Operations revenues	1,807.5	1,210.3	5,156.4	3,519.7
Cost of Other Business Operations revenues	1,678.2	1,163.0	4,763.4	3,371.9
Other Business Operations gross profit	129.3	47.3	393.0	147.8
Other Business Operations SG&A	100.4	25.2	301.4	92.0
Other Business Operations operating income	\$28.9	\$22.1	\$91.6	\$55.8
Claims:				
Other ⁽¹⁾	—	0.1	—	0.4
Total adjusted Other Business Operations claims	—	0.1	—	0.4

(1) Includes claims related to drugs distributed through patient assistance programs, which were disposed of as part of the sale of UBC on December 27, 2017.

Other Business Operations revenues. Other Business Operations product revenues decreased \$22.4 million and \$118.7 million, or 2% and 4%, for the three and nine months ended September 30, 2018 from 2017, respectively, primarily driven by lower volume from our CuraScript Specialty Distribution business.

Other Business Operations service revenues increased \$619.6 million and \$1,755.4 million in the three and nine months ended September 30, 2018 from 2017, respectively, driven by the acquisition of eviCore, partially offset by the sale of UBC, each of which occurred in the fourth quarter of 2017.

Other Business Operations cost of revenues. Other Business Operations cost of revenues increased \$515.2 million and \$1,391.5 million, or 44% and 41%, in the three and nine months ended September 30, 2018 from 2017, respectively, driven primarily by the acquisition of eviCore, partially offset by the sale of UBC, each of which occurred in the fourth quarter of 2017. These increases are partially offset by lower volume from our CuraScript Specialty Distribution business.

Other Business Operations operating income. Other Business Operations operating income increased \$6.8 million and \$35.8 million, or 31% and 64%, in the three and nine months ended September 30, 2018 from 2017, respectively, primarily due to the acquisition of eviCore, partially offset by the sale of UBC, each of which occurred in the fourth quarter of 2017. This increase was also partially offset by \$34.4 million related to the contingent arrangement related to the eviCore acquisition.

OTHER (EXPENSE) INCOME, NET

Net other expense increased \$3.9 million and \$11.3 million, or 3%, in each of the three and nine months ended September 30, 2018 from 2017. These increases are due to additional interest expense related to the issuance of \$1.4 billion of senior notes in November 2017 primarily in connection with the acquisition of eviCore, partially offset by decreased interest expense related to the repayment of various debt during the year ended December 31, 2017, and the nine months ended September 30, 2018.

PROVISION FOR INCOME TAXES

Our effective tax rate attributable to Express Scripts decreased to 20.5% and 22.8% for the three and nine months ended September 30, 2018, respectively, from 37.2% for each of the same periods in 2017, primarily due to the impact of the reduction in the federal corporate statutory rates from 35% to 21% due to federal tax reform legislation enacted on December 22, 2017, and changes in discrete tax items. We believe it is reasonably possible our unrecognized tax benefits could decrease by approximately \$10.0 million within the next twelve months due to the conclusion of various examinations as well as lapses in certain statutes of limitations.

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We recognized net discrete benefits of \$41.5 million and \$25.8 million for the three and nine months ended September 30, 2018, respectively, compared to net discrete charges of \$5.8 million and \$15.5 million for the same periods in 2017. Our 2018 net discrete benefits primarily relate to changes in our unrecognized tax benefits as a result of lapses in statutes of limitations. Our 2017 net discrete charges primarily relate to additions in our unrecognized tax benefits on prior year tax positions and a revaluation of our deferred tax attributes due to changes in effective tax rates offset by a reduction in our unrecognized tax benefits due to settlement of prior year examinations and prior year claims.

NET INCOME ATTRIBUTABLE TO NON-CONTROLLING INTEREST

Net income attributable to non-controlling interest represents the share of net income allocated to members in our consolidated affiliates. These amounts are directly impacted by the profitability of our consolidated affiliates.

NET INCOME AND EARNINGS PER SHARE ATTRIBUTABLE TO EXPRESS SCRIPTS

Net income attributable to Express Scripts for the three and nine months ended September 30, 2018 increased \$229.9 million and \$382.3 million, or 27% and 17%, from the comparable periods in 2017, respectively. These increases are primarily due to reduced tax expense.

Basic and diluted earnings per share attributable to Express Scripts both increased 29% and 22% for the three and nine months ended September 30, 2018 from 2017, respectively. These increases are primarily due to reduced shares outstanding (a total of 303.3 million shares held in treasury on September 30, 2018, compared to 295.3 million shares held in treasury on September 30, 2017), as well as reduced tax expense and changes in operating income based on the various factors described above.

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Provided below is a reconciliation of each of EBITDA attributable to Express Scripts (“EBITDA”) and Adjusted EBITDA from net income attributable to Express Scripts, which is the most directly comparable measure calculated under accounting principles generally accepted in the United States (“GAAP”):

EBITDA ⁽¹⁾ and Adjusted EBITDA ⁽²⁾ (in millions, except per claim data)	Three Months Ended September 30, 2018 ⁽³⁾		Nine Months Ended September 30, 2018 ⁽³⁾	
	2018 ⁽³⁾	2017 ⁽⁴⁾	2018 ⁽³⁾	2017 ⁽⁴⁾
Net income attributable to Express Scripts	\$1,071.6	\$841.7	\$2,572.1	\$2,189.8
Provision for income taxes	276.8	499.3	760.8	1,299.6
Depreciation and amortization ⁽⁵⁾	497.7	449.4	1,500.2	1,344.2
Other expense (income), net	138.0	134.1	422.5	411.2
EBITDA ⁽¹⁾	1,984.1	1,924.5	5,255.6	5,244.8
Adjustments to EBITDA				
Transaction costs ⁽⁶⁾	26.0	—	82.4	—
Enterprise value initiative costs ⁽⁷⁾	27.6	22.9	89.5	22.9
Charitable contribution costs ⁽⁸⁾	—	—	30.0	—
Adjusted EBITDA ⁽²⁾	2,037.7	1,947.4	5,457.5	5,267.7
Total adjusted claims ⁽⁹⁾	334.6	343.6	1,012.6	1,045.3
Adjusted EBITDA per adjusted claim ⁽¹⁰⁾	\$6.09	\$5.67	\$5.39	\$5.04

EBITDA is presented as attributable to Express Scripts, excluding non-controlling interest representing the share allocated to members of our consolidated affiliates. EBITDA is a financial measure not calculated or presented in accordance with GAAP and should be considered in addition to, but not as a substitute for, or superior to, financial

(1) measures prepared in accordance with GAAP. The Company believes EBITDA provides management and investors with useful information about the earnings impact of certain expenses and is useful for (i) comparison of our earnings to those of other companies; (ii) a better understanding of the Company’s ongoing performance; (iii) planning and forecasting for future periods; and (iv) assessing period-to-period performance trends.

Adjusted EBITDA is a non-GAAP financial measure and should be considered in addition to, but not as a substitute for, or superior to, financial measures prepared in accordance with GAAP. Adjusted EBITDA is EBITDA excluding transaction costs, enterprise value initiative costs and certain one-time charitable contribution costs as these charges are not considered an indicator of ongoing company performance. Management believes

(2) Adjusted EBITDA, considered along with the corresponding GAAP measure, provides management and investors with useful information about the earnings impact of certain non-operating expenses which is useful for comparison of our earnings to those of other companies. We believe Adjusted EBITDA is also useful in assessing period-to-period performance trends. Our definition and calculation of Adjusted EBITDA may not be comparable to that used by other companies.

(3) Includes the results of operations for eviCore subsequent to acquisition on December 15, 2017.

(4) Includes the operations of UBC prior to sale on December 27, 2017, and the results of operations for myMatrixx Holding, Inc. subsequent to acquisition on May 15, 2017.

Depreciation and amortization presented above includes accelerated depreciation of \$0.6 million and \$2.0 million (5) for the three and nine months ended September 30, 2018, respectively, and \$0.4 million for each of the three and nine months ended September 30, 2017, related to our enterprise value initiative.

(6) Transaction costs are related to the eviCore acquisition and the proposed acquisition by Cigna.

(7) In the third quarter of 2017, we launched a multi-year, enterprise-wide value initiative to transform our organization through the end of 2021. See Note 13 - Enterprise value initiative for further description.

(8) Costs are related to certain one-time charitable contributions made as a result of the tax savings received as part of the 2017 federal tax reform legislation.

(9)

Includes an adjustment to reflect non-specialty network claims filled through our 90-day programs. These claims are multiplied by three, as these claims, on average, typically cover a time period three times longer than other network claims. Home delivery claims are also multiplied by three as home delivery claims typically cover a time period three times longer than unadjusted network claims. All other network and specialty claims are counted as one claim.

- (10) Adjusted EBITDA per adjusted claim is calculated by dividing Adjusted EBITDA by the adjusted claim volume for the period. Adjusted EBITDA per adjusted claim is a financial measure not calculated or presented in accordance with GAAP, and should be considered in addition to, but not as a substitute for, or superior to, financial measures prepared in accordance with GAAP. The Company believes Adjusted EBITDA per adjusted claim provides management and investors with useful information about the earnings and performance of the Company on a per unit basis.

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LIQUIDITY AND CAPITAL RESOURCES

CASH FLOW AND CAPITAL EXPENDITURES

In the nine months ended September 30, 2018, net cash provided by operating activities decreased \$993.2 million to \$2,988.3 million compared to the nine months ended September 30, 2017. Net income increased \$378.3 million in 2018 from 2017, which was offset by changes in working capital which resulted in a cash outflow of \$994.1 million in 2018 compared to a cash inflow of \$581.8 million in 2017. These changes are primarily related to the timing of collections and payments to and from pharmacies, pharmaceutical suppliers, our clients and us.

In the nine months ended September 30, 2018, net cash used in investing activities decreased \$15.3 million to \$296.0 million compared to the nine months ended September 30, 2017, due primarily to cash utilized for acquisitions in 2018 of \$26.4 million compared to \$122.7 million in 2017. These cash outflows are partially offset by an increase in capital expenditures for purchases of property, equipment and computer software of \$64.0 million in 2018 from 2017.

Our current ability to invest in infrastructure and technology is limited by the terms of the Merger Agreement with Cigna, which generally provides that, until closing or termination of the Merger Agreement, we cannot make capital expenditures outside of the normal course of business. Consistent with prior practice, we intend to continue to invest in infrastructure and technology we believe will provide efficiencies in operations, facilitate growth and enhance the services we provide to our clients. Anticipated capital expenditures are expected to be funded primarily from operating cash flow or, to the extent necessary, with borrowings under our available credit sources described below.

In the nine months ended September 30, 2018, net cash used in financing activities decreased \$2,065.3 million to \$1,291.6 million compared to the nine months ended September 30, 2017. Cash outflows for 2018 include \$831.4 million related to the repayment of debt, \$420.7 million of treasury share repurchases and \$195.0 million related to net commercial paper activity, compared to outflows during the same period of 2017 of \$650.0 million related to the repayment of debt, \$2,735.7 million of treasury share repurchases and no such cash flows related to net commercial paper activity.

At September 30, 2018, our available sources of capital include a \$3.5 billion revolving facility (defined below as the 2022 revolving facility) and a commercial paper program. As of September 30, 2018, neither of these sources of capital had amounts outstanding.

We anticipate our current cash balances, cash flows from operations and our available credit sources will be sufficient to meet our cash needs and make scheduled payments for our contractual obligations and current capital commitments. Our ability to incur indebtedness is currently limited by the terms of the Merger Agreement with Cigna. See further description in “Other Liquidity Information” section below.

ACQUISITIONS, DIVESTITURE AND RELATED TRANSACTIONS

In May 2017, we completed the acquisition of myMatrixx Holdings, Inc. for approximately \$250.0 million. The acquisition is not material to our consolidated financial statements.

In December 2017, we completed the acquisition of eviCore for approximately \$3.6 billion, which was funded through cash on hand, as well as issuance of senior notes and commercial paper. Operations are included in our results beginning as of the date of acquisition. See Item 1 - Note 5 - Acquisition for further description of this acquisition.

In December 2017, we sold UBC for approximately \$150.0 million.

Pursuant to the Merger Agreement, our ability to acquire or divest businesses, until closing or termination of the Merger Agreement, is currently restricted.

SHARE REPURCHASE PROGRAM

Pursuant to the Merger Agreement, we may not, without Cigna’s consent, repurchase shares (subject to limited exceptions related to equity awards) until closing or termination of the Merger Agreement. Under our share repurchase program, we repurchased 5.4 million shares for \$411.3 million during the nine months ended September 30, 2018, and 11.5 million and 43.3 million shares for \$712.8 million and \$2,770.2 million during the three and nine months ended September 30, 2017, respectively. As of September 30, 2018, there were 72.9 million shares remaining under our share repurchase program. Share repurchases, made during the nine months ended September 30, 2018, were made pursuant to a Rule 10b5-1 plan implemented on November 28, 2017 (the “November 2017 Rule 10b5-1 plan”). The November 2017 Rule 10b5-1 plan was terminated on March 8, 2018. Share repurchases, made during the three and nine months ended September 30, 2017, were made pursuant to Rule 10b5-1 plans implemented on February

15, 2017 (the “February 2017 Rule 10b5-1 plan”) and July 26,

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2017 (the “July 2017 Rule 10b5-1 plan”), as well as through open market purchases. The February 2017 Rule 10b5-1 plan was completed on June 30, 2017, and the July 2017 Rule 10b5-1 plan was completed on October 9, 2017.

OTHER LIQUIDITY INFORMATION

We have a credit agreement which includes a \$3.5 billion revolving facility (the “2022 revolving facility”) and a five-year \$3.0 billion term loan (the “2015 five-year term loan”). At September 30, 2018, no amounts were drawn under the 2022 revolving facility. At September 30, 2018, \$685.6 million of the 2015 five-year term loan which includes a proportionate amount of unamortized financing costs were considered current maturities of long-term debt.

We have a commercial paper program under which we may issue short-term, unsecured commercial paper notes from time to time on a private placement basis up to a maximum aggregate amount outstanding at any time of \$3.5 billion. The commercial paper program does not increase our overall borrowing capacity as it is fully backed by our 2022 revolving facility. The commercial paper notes will be jointly and severally and fully and unconditionally guaranteed on a senior unsecured basis by ESI, Medco and us. The proceeds of the commercial paper notes are expected to be used for general corporate purposes, including, among other items, the repayment of indebtedness and other short-term liquidity needs. There were no commercial paper borrowings outstanding as of September 30, 2018. In February 2018, a \$130.0 million uncommitted revolving credit facility was terminated and in May 2018, a \$150.0 million uncommitted credit agreement expired.

Our bank financing arrangements and senior notes contain certain customary covenants that restrict our ability to incur additional indebtedness, create or permit liens on assets and engage in mergers or consolidations. The covenants related to bank financing arrangements also include, among other things, a maximum leverage ratio. At September 30, 2018, we were in compliance with all covenants associated with our debt instruments.

The Merger Agreement limits our ability to incur additional indebtedness or to modify any of the terms of our outstanding debt obligations. The Merger Agreement generally provides that until closing or termination of the Merger Agreement, we cannot, without Cigna’s consent (which shall not be unreasonably withheld, conditioned or delayed), incur, assume, endorse, guarantee or otherwise become liable for, or modify the terms of, any indebtedness or issue or sell any debt securities or calls, options, warrants or other rights to acquire any debt securities, subject to certain exceptions.

IMPACT OF INFLATION

Most of our contracts provide we bill clients and pay pharmacies based on a generally recognized price index for pharmaceuticals and, accordingly, the rate of inflation with respect to prescription drugs and our efforts to manage the impact of inflation for our clients can affect our revenues and cost of revenues.

OTHER MATTERS

Certain new accounting pronouncements have been issued which either have already been reflected in the accompanying consolidated financial statements, or will become effective for our financial statements at various dates in the future. See Item 1 - Note 1 - Summary of significant accounting policies for further description of the specific accounting pronouncements.

CLIENTS

We are a provider of services to managed care organizations, health insurers, third-party administrators, employers, union-sponsored benefit plans, workers’ compensation plans, government health programs, providers, clinics, hospitals and others. Refer to Item 1 - Note 14 - Segment information and Item 2 - Management’s Discussion and Analysis - “Executive Summary and Trend Factors Affecting the Business” for a description of client concentration.

CRITICAL ACCOUNTING POLICIES

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Our estimates and assumptions are based upon a combination of historical information and various other assumptions believed to be reasonable under the particular circumstances. Actual results may differ from our estimates. For a description of our critical

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accounting policies, please refer to “Management’s Discussion and Analysis of Financial Condition and Results of Operations – Critical Accounting Policies” included in our Annual Report on Form 10-K filed with the SEC on February 27, 2018.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

We are exposed to market risk from changes in interest rates related to variable rate debt outstanding under the credit agreement and our variable rate senior note. Our earnings are subject to change as a result of movements in market interest rates. At September 30, 2018, we had \$2,550.0 million of gross obligations under our credit agreement and our floating rate senior note which were subject to variable rates of interest. A hypothetical increase in interest rates of 1% would result in an increase in annual interest expense of approximately \$25.5 million (pre-tax), assuming obligations subject to variable interest rates remained constant.

Item 4. Controls and Procedures

We maintain disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934 (“Exchange Act”)) designed to provide reasonable assurance that information required to be disclosed in our filings under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms. Under the supervision and with the participation of our management, including our Chief Executive Officer and our Chief Financial Officer, we have evaluated the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the period covered by this report. Based upon this evaluation, the Chief Executive Officer and the Chief Financial Officer concluded the design and operation of these disclosure controls and procedures are effective in providing reasonable assurance of the achievement of the objectives described above.

During the quarter ended September 30, 2018, there was no change in our internal control over financial reporting from December 31, 2017 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

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PART II. OTHER INFORMATION

Item 1. Legal Proceedings

We and/or our subsidiaries are defendants in a number of lawsuits. We cannot ascertain with any certainty at this time the monetary damages or injunctive relief that any of the plaintiffs may recover. We also cannot provide any assurance the outcome of any of these matters, or some number of them in the aggregate, will not be materially adverse to our financial condition, results of operations, cash flows or business prospects. In addition, the expenses of defending these cases may have a material adverse effect on our financial results.

The following descriptions have been updated since the filing of our Quarterly Report on Form 10-Q for the quarter ended June 30, 2018, relating to proceedings involving the Company (which, for purposes of this Item 1, includes Express Scripts Holding Company and its subsidiaries if named as defendants or identified as the subjects in the matters described below):

Jerry Beeman, et al. v. Caremark, et al. (United States District Court for the Central District of California, Case No.021327) (filed December 2002). A complaint was filed against Express Scripts (for the purposes of this Item 1, “ESI”), NextRX LLC f/k/a Anthem Prescription Management LLC, Medco Health Solutions, Inc. (for purposes of this Item 1, “Medco”) and several other pharmacy benefit management companies by several California pharmacies as a putative class action, alleging rights to sue as a private attorney general under California law. Plaintiffs allege ESI and the other defendants failed to comply with statutory obligations under California Civil Code Section 2527 to provide California clients with the results of a bi-annual survey of retail drug prices, and seek money damages. In July 2004, the case was dismissed with prejudice due to lack of standing. In June 2006, the United States Court of Appeals for the Ninth Circuit reversed the district court’s opinion on standing and remanded the case. The defendants then filed a motion to dismiss on first amendment constitutionality grounds and following the district court’s denial of the motion, defendants appealed to the Ninth Circuit. In March 2014, following a determination by the California Supreme Court that California Civil Code Section 2527 does not infringe upon state constitutional free speech protections, the Ninth Circuit remanded the case to the district court for further proceedings. Defendants’ objections based on plaintiffs’ lack of standing and the unconstitutionality of the California law due to defendants’ first amendment rights were rejected by the courts and appeals were exhausted. Plaintiffs also filed a motion for class certification in 2007 that was not fully briefed until August 2016. On August 26, 2016, defendants filed a motion to deny class certification. On November 14, 2016, the district court denied plaintiffs’ motion for class certification, holding that the proposed class representatives and counsel were inadequate to represent a class. On October 6, 2017, defendants moved for sanctions against plaintiffs for destroying evidence and requested the case be dismissed with prejudice. On January 4, 2018, the district court granted defendants’ motion for case terminating sanctions against plaintiffs for spoliation of evidence and the case was dismissed with prejudice. On August 21, 2018, plaintiffs filed an appellate brief. On October 22, 2018, appellees’ brief was filed.

Anthem-related Securities Putative Class Action

In re Express Scripts Holdings Company Securities Litigation (United States District Court for the Southern District of New York) (second amended complaint filed August 30, 2017). Plaintiff filed this putative securities class action complaint on behalf of all persons or entities that purchased or otherwise acquired the Company’s publicly traded common stock between February 24, 2015 and March 21, 2016, and alleges the Company and named individuals violated Sections 10(b) and 20(a) of the Securities Exchange Act of 1934 (“the “Exchange Act”) and Rule 10b-5 by carrying out a scheme to defraud the investing public. Plaintiff seeks compensatory damages in favor of plaintiff and other class members, attorneys’ fees and costs, and equitable relief. Plaintiff adopts many of Anthem’s Allegations (as defined in Part I - “Note 12 - Commitments and contingencies” of this Quarterly Report on Form 10-Q) in support of their claim. On August 1, 2017, the court granted the Company’s motion to dismiss the complaint in its entirety. On August 30, 2017, plaintiff filed an amended complaint alleging similar claims. On November 20, 2017, defendants filed a motion to dismiss the second amended complaint, which was granted by the court on May 22, 2018. On September 10, 2018, plaintiffs filed an appellate brief.

Anthem-related Shareholder Derivative Litigation

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Clifford Elow, derivatively and on behalf of Express Scripts Holding Company v. George Paz, Timothy Wentworth, Eric Slusser, James M. Havel, David Queller, Christopher A. McGinnis, Christopher K. Knibb, Gary G. Benanav, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, William L. Roper, and Seymore Sternberg, (United States District Court for the Eastern District of Missouri) (filed July 2, 2018). Plaintiff alleges that certain current and former officers and directors of the Company breached fiduciary duties, caused the Company to waste assets, and

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violated Section 10(b) of the Exchange Act and SEC Rule 10b-5 in connection with stock repurchases. Plaintiff adopts many of Anthem's Allegations in support of his claims that individual defendants breached fiduciary duties of loyalty, good faith, fair dealing, and candor, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem, as well as his claims that the individual defendants failed to properly oversee management of the Anthem agreement and relationship. Plaintiff seeks damages on behalf of the Company from the individual defendants, corporate governance reform, and attorneys' fees and costs. On October 1, 2018, the court consolidated the Green and Elow actions and ordered that the consolidated action remain stayed pending completion of the Cigna-Express Scripts transaction.

Randy Green v. George Paz, Timothy Wentworth, Eric Slusser, David Queller, James Havel, Maura Breen, William DeLaney, Elder Granger, Nicholas LaHowchic, Thomas Mac Mahon, Frank Mergenthaler, Woodrow Myers, Roderick Palmore, William Roper, Seymour Sternberg, and Express Scripts Holding Company (United States District Court for the Eastern District of Missouri) (filed December 7, 2016). Plaintiff filed this stockholder derivative lawsuit alleging certain current and former officers and directors of the Company breached fiduciary duties and were unjustly enriched. Plaintiff adopts many of Anthem's Allegations in support of his claims that individual defendants breached fiduciary duties of loyalty, good faith, fair dealing, and candor, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem and for contribution to and indemnification of the Company in connection with all claims that have been, are, or may in the future be asserted against the Company because of the individual defendants' wrongdoing. On June 12, 2017, the court stayed this action until resolution of the Carpenters derivative action in the United States District Court for the Southern District of New York described in Part I - "Note 12 - Commitments and contingencies" of this Quarterly Report on Form 10-Q. On October 1, 2018, the court consolidated the Green and Elow actions and ordered that the consolidated action remain stayed pending completion of the Cigna-Express Scripts transaction.

Missouri State Action (Circuit Court of St. Louis County, State of Missouri). The following three cases have been consolidated in Missouri state court: Abraham Neufeld, derivatively on behalf of nominal defendant Express Scripts Holding Company v. George Paz, Timothy Wentworth, Eric Slusser, David Queller, James M. Havel, Maura C. Breen, William J. DeLaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, William L. Roper, Seymour Sternberg, Gary Benanav, and Express Scripts Holding Company (filed June 6, 2016); Robert Jessup, derivatively on behalf of Express Scripts Holding Company v. Timothy Wentworth, Eric Slusser, David Queller, James M. Havel, Christopher A. McGinnis, Christopher K. Knibb, George Paz, Thomas P. Mac Mahon, Maura C. Breen, Woodrow A. Myers, Jr., William A. Roper, Roderick A. Palmore, Gary G. Benanav, Elder Granger, Seymour Sternberg, Nicholas J. LaHowchic, Frank Mergenthaler, William J. DeLaney, and Express Scripts Holding Company (filed June 29, 2016); and Richard Weisglas, derivatively on behalf of Express Scripts Holding Company v. Express Scripts Holding Company, George Paz, Maura C. Breen, Gary G. Benanav, William J. DeLaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, William L. Roper, Seymour Sternberg, Timothy Wentworth, Eric Slusser, David Queller, and James M. Havel (filed August 4, 2016). These cases were consolidated on December 21, 2016, and on April 13, 2017, plaintiffs filed a consolidated amended complaint alleging that certain current and former officers and directors of the Company breached fiduciary duties and were unjustly enriched, and that certain defendants engaged in "insider selling." Plaintiffs adopt many of Anthem's Allegations in support of their claims that the individual defendants breached fiduciary duties of loyalty, good faith, candor, and due care, which caused the Company to issue false and misleading statements regarding the Company's relationship with Anthem. Plaintiffs seek damages on behalf of the Company from the individual defendants, equitable relief, and attorneys' fees and costs. On August 11, 2017, the court stayed this action until resolution of the Carpenters derivative action in the United States District Court for the Southern District of New York. On August 1, 2018, plaintiffs filed a notice of voluntary dismissal, and the court entered an order dismissing the consolidated action on August 6, 2018.

Insulin and Epinephrine Drug Pricing Putative Class Action Litigation

In re EpiPen ERISA Litigation. This matter involves two consolidated actions, Elan and Adam Klein, Leah Weaver, and Arissa Paschalidis v. Prime Therapeutics, LLC; Express Scripts Holding Co.; Express Scripts, Inc.; Medco Health

Solutions, Inc., CVS Health Corp.; Caremark, LLC, Caremark Rx, LLC, and CaremarkPCS Health, LLC (United States District Court for the District of Minnesota) (filed June 2, 2017) and Traci Brannon, Lindsey Rizzo, and Jamie Herr v. Express Scripts Holding Company, Express Scripts, Inc., UnitedHealth Group, Inc., OptumRx, Inc., and Prime Therapeutics, LLC (United States District Court for the District of Minnesota) (filed August 29, 2017). Plaintiffs filed a consolidated class action complaint on April 2, 2018, alleging that defendants violated legal obligations under ERISA by negotiating increasingly large rebates from Mylan, which allegedly caused an increase in the price of EpiPen products. Plaintiffs further allege that defendants retained a significant portion of rebates, rather than passing them on to class members (who are participants in, or beneficiaries of, health insurance plans governed by ERISA who

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purchased EpiPen products). On June 1, 2018, defendants filed a motion to dismiss, which was granted in part as to plaintiffs' ERISA prohibited transaction claims on October 26, 2018. Plaintiffs' remaining claims related to fiduciary duty will proceed in discovery.

Anthem-related ERISA Litigation

In re Express Scripts/Anthem ERISA Litigation (United States District Court for the Southern District of New York) (consolidated the following cases on August 1, 2016: John Doe One and John Doe Two v. Express Scripts, Inc. ("ESI"), filed May 6, 2016, and Karen Burnett, Brendan Farrell, and Robert Shullich v. Express Scripts, Inc. and Anthem, Inc., filed June 24, 2016). On September 30, 2016, plaintiffs filed a first amended consolidated class action complaint on behalf of health plan beneficiaries who are enrolled in health care plans to which Anthem provided prescription drug benefits through agreement with Express Scripts who paid percentage-based co-insurance. On November 30, 2016, ESI filed a motion to dismiss plaintiffs' first amended consolidated class action complaint, and Anthem filed its motion to dismiss same on December 1, 2016. Instead of responding to the motions to dismiss, plaintiffs filed a second amended consolidated complaint on March 2, 2017, which adopts many of Anthem's Allegations in support of its claims that ESI and Anthem breached fiduciary duties and otherwise violated their legal obligations under ERISA by failing to provide Anthem's plan participants the benefit of competitive benchmark pricing, that ESI engaged in mail fraud, wire fraud and other racketeering activity, that ESI breached its contract with Anthem, that plaintiffs are entitled to equitable relief under theories including unjust enrichment, that ESI violated unfair and deceptive trade practices statutes, that Anthem breached the covenant of good faith and fair dealing implied in health plans, and that ESI violated the anti-discrimination provisions of the Affordable Care Act. Plaintiffs seek compensatory damages, declaratory relief, equitable relief and attorneys' fees and costs. On January 5, 2018, the court entered an order dismissing the second amended complaint without prejudice and permitting plaintiffs to file a third amended complaint. On February 2, 2018, plaintiffs disclaimed any intent to amend and filed a notice of appeal. On April 11, 2018, plaintiffs filed an appellate brief in the United States Court of Appeals for the Second Circuit. On May 2, 2018, an amicus brief in support of appellants was filed by the American Association of Retired Persons and the National Employment Lawyers Association. On May 30, 2018 appellees' briefs were filed. On June 20, 2018, an amicus brief in support of appellees was filed by Pharmaceutical Care Management Association, Association of Health Insurance Plans, and the Chamber of Commerce. On July 5, 2018, appellants filed a reply brief, and the appeal is now fully briefed. The court held oral argument on October 19, 2018 and we await the court's decision.

Cigna Merger Agreement-related Litigation

Abraham Neufeld, on behalf of himself and all others similarly situated v. Express Scripts Holding Company, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas LaHowchic, Thomas P. Mac Mahon, Kathleen M. Mazzarella, Woodrow A. Myers, Jr., Frank Mergenthaler, Roderick A. Palmore, George Paz, William L. Roper, Seymour Sternberg, and Timothy Wentworth, (United States District Court for the Eastern District of Missouri) (filed June 22, 2018); Lawrence Zucker, individually and on behalf of all others similarly situated v. Express Scripts Holding Company, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Kathleen M. Mazzarella, Woodrow A. Myers, Jr., Frank Mergenthaler, Roderick A. Palmore, George Paz, William L. Roper, Seymour Sternberg, and Timothy Wentworth, (United States District Court for the District of Delaware) (filed June 26, 2018); Walter Stern individually and on behalf of all others similarly situated v. Express Scripts Holding Company, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Kathleen M. Mazzarella, Woodrow A. Myers, Jr., Frank Mergenthaler, Roderick A. Palmore, George Paz, William L. Roper, Seymour Sternberg, and Timothy Wentworth, (United States District Court for the District of Delaware) (filed June 28, 2018); Kurt Wilson, individually and on behalf of all others similarly situated v. Express Scripts Holding Company, George Paz, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas J. LaHowchic, Kathleen M. Mazzarella, Thomas P. Mac Mahon, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, William L. Roper, Seymour Sternberg, Timothy Wentworth, Cigna Corporation, Halfmoon Parent, Inc., Halfmoon I, Inc., and Halfmoon II, Inc., (United States District Court for the District of Delaware) (filed June 29, 2018); Phillip Buckingham, individually and on behalf of all others similarly situated v. Express Scripts Holding Company, Timothy Wentworth, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas J. LaHowchic, Thomas P. Mac Mahon, Kathleen Mazzarella, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, George Paz, William L.

Roper, Seymour Sternberg, Halfmoon Parent, Inc., Halfmoon I, Inc., and Halfmoon II, Inc., and Cigna Corporation (“Cigna”) (United States District Court for the District of Delaware) (filed July 16, 2018); Robert Wolfe, on behalf of himself and all others similarly situated v. Express Scripts Holding Company, George Paz, Timothy Wentworth, Maura C. Breen, William J. Delaney, Elder Granger, Nicholas LaHowchic, Kathleen M. Mazzarella, Thomas P. Mac Mahon, Frank Mergenthaler, Woodrow A. Myers, Jr., Roderick A. Palmore, William L. Roper, and Seymour Sternberg (United States District Court for the District of Delaware) (filed July 27, 2018). Six putative class action complaints were filed against Express Scripts and its board of directors. The complaints allege that the registration statements filed in

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connection with the Merger Agreement between Express Scripts and Cigna omitted material information in violation of Sections 14(a) and 20(a) of the Exchange Act, rendering the registration statements false and misleading. Specifically, the complaints allege that the registration statements failed to disclose material information, including: Express Scripts and Cigna's financial projections, including the full forecasts for various projection line items and line items used in calculating unlevered free cash flow; various inputs and assumptions underlying the valuation analyses prepared by consultants in connection with rendering their fairness opinions; the confidentiality agreements entered into with prospective bidders, including whether they included don't-ask-don't-waive provisions; and the fees consultants earned from Express Scripts for prior work. Among other remedies, the complaints seek to enjoin the Express Scripts special meeting and the closing of the mergers, as well as damages, costs and attorneys' fees. On August 29, 2018, plaintiff in the Stern action filed a notice of voluntary dismissal, and the court closed the case on August 30, 2018. On October 17, 2018, plaintiff in the Wilson action filed a notice of voluntary dismissal, and the court closed the case on October 17, 2018.

Other Matters

Health Choice Alliance, LLC, on behalf of the United States of America, et al. v. Eli Lilly and Company, Inc., Healthstar Communications, Inc., VMS Biomarketing, Covance, Inc., Covance Market Access Services, Inc., and United Biosource Corporation (United States District Court for the Eastern District of Texas) (Unintervened Qui Tam re Insulin & Osteoporosis, filed June 15, 2017 and unsealed October 31, 2017). A lawsuit was filed against Eli Lilly and Company, Inc. ("Lilly") and its vendors, including UBC, regarding services Lilly engaged them to provide with respect to insulin drugs Humalog and Humulin and osteoporosis drug Forteo (collectively, the "Lilly Products"). Pursuant to the terms of the Company's agreement providing for the sale of UBC, the Company has agreed to indemnify UBC for, and retain the responsibility for the defense of, this action. The relator claims that: (1) Healthstar Communications, Inc. and VMS Biomarketing assisted Lilly in providing in-kind remuneration to prescribers in the form of free nursing services to induce such prescribers to prescribe the Lilly Products; (2) Lilly contracted with and paid remuneration to nurse educators to recommend the Lilly Products; and (3) Covance, Inc. and UBC assisted Lilly in providing in-kind remuneration to prescribers in the form of reimbursement support services that saved prescribers administrative expenses, which services were provided to induce such prescribers to prescribe the Lilly Products. The relator alleges these were kickbacks that violated the federal Anti-Kickback Statute. The relator alleges that the defendants violated the federal False Claims Act and state false claims acts by submitting claims for payment for the Lilly Products to government health programs, including Medicare and Medicaid, that were rendered false by virtue of the violations of the federal Anti-Kickback Statute. The relator seeks treble damages, civil penalties and restitution. On January 12, 2018, plaintiffs filed a first amended complaint. On February 21, 2018, UBC filed a motion to dismiss the first amended complaint. On August 10, 2018, the court entered an order adopting the magistrate's Report and Recommendation dismissing relator's claims without prejudice. On September 12, 2018, relator filed a second amended complaint, adding Covance Market Access Services, Inc. as a defendant and alleging the same theories. Investigations under the federal False Claims Act and most state false claims acts may be initiated by the applicable government investigative body or by a qui tam relator's filing of a complaint under court seal. If a qui tam relator's complaint remained under seal, applicable law would restrict our ability to disclose such a fact.

In addition to the foregoing matters, in the ordinary course of our business, there have arisen various legal proceedings, government investigations, inquiries and audits or claims now pending against us or our subsidiaries. The effect of these actions on future financial results is not subject to reasonable estimation because the proceedings are in early stages and/or considerable uncertainty exists about the outcomes. Where insurance coverage is not available for such claims, or in our judgment, is not cost-effective, we maintain self-insurance accruals to reduce our exposure to future claims, legal costs, settlements and judgments related to uninsured claims. Our self-insured accruals are based upon estimates of the aggregate liability of the costs of uninsured claims incurred and the retained portion of insured claims using certain actuarial assumptions followed in the insurance industry and our experience. It is not possible to predict with certainty the outcome of these claims, and we can give no assurance that any losses in excess of our insurance and any self-insurance accruals will not be material.

Item 1A. Risk Factors

In addition to the risk factors set forth in Part I - Item 1A - “Risk Factors” of our Annual Report on Form 10-K for the fiscal year ended December 31, 2017 (the “10-K”) and the risk factors set forth under the caption “Risk Factors” contained in the definitive joint proxy statement/prospectus in connection with the mergers, filed with the SEC on July 16, 2018, investors should consider the following risk factors arising from our intention to combine with Cigna through a series of mergers with newly formed subsidiaries of the new holding company. On March 8, 2018, Express Scripts entered into an Agreement and Plan of Merger, as amended (the “Merger Agreement”), with Cigna, Halfmoon Parent, Inc. (“New Cigna”), Halfmoon I, Inc. and Halfmoon II, Inc. As a result of the mergers, Express Scripts would become a wholly owned subsidiary of New Cigna. On

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August 24, 2018, Cigna's and Express Scripts' respective stockholders adopted the Merger Agreement. The risk factors should be read in conjunction with the risk factors set forth in the 10-K and the definitive joint proxy statement/prospectus and the other information contained in this report as our business, financial condition or results of operations could be adversely affected if any of these risks occur.

Risk Factors Relating to the Mergers

The parties must obtain certain regulatory approvals in order to complete the actions contemplated by the Merger Agreement; if such approvals are not obtained or are obtained with conditions, the mergers may be prevented or delayed or the anticipated benefits of the mergers could be reduced.

On September 17, 2018, Express Scripts and Cigna announced the Antitrust Division of the United States Department of Justice ("DOJ") cleared the mergers, terminating the waiting period applicable to the mergers under the U.S. Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended. Consummation of the mergers remains conditioned upon receiving certain approvals from, and making certain filings with, certain state insurance departments relating to Cigna's and our insurance company subsidiaries and certain state health department boards relating to Cigna's health care service plans and, to the extent required by applicable law, certain state pharmacy boards relating to our subsidiaries licensed or authorized to engage in pharmaceutical-related businesses and certain state health departments relating to our subsidiaries licensed or authorized as home health agencies. Cigna has agreed to accept certain potential remedies, conditioned on the closing, and may take other actions that Cigna determines in its sole discretion to take, to the extent necessary to ensure satisfaction, on or prior to the termination date of the Merger Agreement (as it may be extended), of certain conditions to the closing of the mergers relating to regulatory approvals. No assurance can be given that the remaining required regulatory approvals will be obtained or that the required conditions to closing will be satisfied, and, even if all such approvals are obtained and the conditions are satisfied, no assurance can be given as to the terms, conditions and timing of the approvals. For more information about the effects of a failure to complete the mergers, see the risk factor below entitled "Failure to complete the mergers could negatively impact the business, financial results and stock price."

We will be subject to business uncertainties and contractual restrictions while the mergers are pending which could adversely affect our business and cash flows, financial condition and results of operations.

Uncertainty about the effect of the mergers on employees, clients and customers may have an adverse effect on us. These uncertainties may impair our ability to retain and motivate key personnel and could cause customers and others that deal with us to defer or decline entering into contracts with us or making other decisions concerning us or seek to change existing business relationships with us. In addition, if key employees depart because of uncertainty about their future roles and the potential complexities of the mergers, our business could be harmed.

Furthermore, the Merger Agreement contains restrictions on our conduct of business prior to the consummation of the mergers, which may delay or prevent us from undertaking certain actions or business opportunities that may arise prior to the consummation of the mergers.

If any of these effects were to occur, it could adversely affect our business and cash flows, financial condition and results of operations.

The Merger Agreement limits our ability to pursue alternatives to the mergers.

The Merger Agreement contains provisions that make it more difficult for us to enter into alternative transactions. The Merger Agreement contains certain provisions that restrict our ability to, among other things, solicit, initiate or knowingly encourage or knowingly facilitate the submission of inquiries, proposals or offers relating to or that would reasonably be expected to lead to any acquisition proposal from a third party. The Merger Agreement also provides that our board of directors will not change its recommendation that our stockholders adopt the Merger Agreement and will not approve any agreement with respect to an acquisition proposal, subject to limited exceptions.

In addition, we may be required to pay a termination fee of \$1.6 billion to Cigna if the mergers are not consummated under specified circumstances. Notwithstanding the foregoing, in no event will the termination fee be paid to Cigna more than once. In addition, the adoption of the Merger Agreement by our stockholders eliminated our right to terminate the Merger Agreement in response to a superior proposal. While we believe these provisions are reasonable, customary and not preclusive of other offers, the provisions might discourage a third party that has an interest in acquiring all or a significant part of Express Scripts from considering or proposing such acquisition, even if such party

were prepared to pay consideration with a higher per-share value than the currently proposed merger consideration. Furthermore, the requirement to pay a termination fee under certain circumstances may result in a third party proposing to pay a lower per-share price to acquire Express Scripts than it

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might otherwise have proposed to pay because of the added expense of the \$1.6 billion termination fee that may become payable by us in certain circumstances.

Failure to complete the mergers could negatively impact our business, financial results and stock price.

If the mergers are not completed, our ongoing businesses may be adversely affected and we will be subject to several risks and consequences, including the following:

- we may be required, under certain circumstances, to pay Cigna a termination fee of \$1.6 billion;

- we will be required to pay certain costs relating to the mergers, whether or not the mergers are completed, such as significant fees and expenses relating to regulatory filings and legal, accounting, financial advisory, consulting and other advisory fees and expenses;

- under the Merger Agreement, we are subject to certain restrictions on the conduct of our business prior to completing the mergers which may adversely affect our ability to execute certain of its business strategies; and

- matters relating to the mergers require substantial commitments of time and resources by our management and the expenditure of significant funds in the form of fees and expenses, which could otherwise have been devoted to day-to-day operations and other opportunities that may have been beneficial to us as an independent company.

In addition, if the mergers are not completed, we may experience negative reactions from the financial markets and from our customers and employees. We also could be subject to litigation related to a failure to complete the mergers or to enforce our obligations under the Merger Agreement. If the mergers are not consummated, we cannot assure our stockholders that the risks described will not materially affect our business, financial results and stock price.

The number of shares of New Cigna common stock that our stockholders will receive under the Merger Agreement is based on a fixed exchange ratio. The market value of the shares of New Cigna common stock to be issued upon completion of the mergers is unknown, and therefore our stockholders cannot be certain of the value of the portion of the merger consideration to be paid in New Cigna common stock.

Our stockholders will receive a fixed number of shares of New Cigna common stock in the mergers rather than a number of shares with a particular fixed market value. Upon completion of the mergers, our stockholders will receive, in exchange for each share of our common stock held immediately prior to the mergers, (1) 0.2434 of a share of New Cigna common stock and (2) the right to receive \$48.75 in cash, without interest, subject to applicable withholding taxes.

The market values of Cigna common stock and our common stock have fluctuated since the date of the announcement of the Merger Agreement and will continue to fluctuate from the date hereof until the date of the closing of the mergers. The market values of Cigna common stock and our common stock at the time of the mergers may vary significantly from their prices on the date of the Merger Agreement or the date hereof. Changes in the market prices of Cigna common stock and our common stock may result from a variety of factors that are beyond our and Cigna's control, including changes in businesses, operations, and prospects, regulatory considerations, governmental actions, and legal proceedings and developments.

Because the respective merger consideration exchange ratios will not be adjusted to reflect any changes in the market prices of Cigna common stock or our common stock, the market value of the New Cigna common stock issued in the mergers and the Cigna common stock or our common stock surrendered in the mergers may be higher or lower than the values of such stock on earlier dates.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

There were no repurchases of the Company's common stock during the third quarter of 2018. As of September 30, 2018, there were 72.9 million shares remaining under the share repurchase program. Pursuant to the Merger Agreement with Cigna, we may not, without Cigna's consent, repurchase shares (subject to limited exceptions related to equity awards) until closing or termination of the Merger Agreement.

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Item 6. Exhibits

Exhibit Number	Exhibit
<u>2.1</u> ⁽¹⁾	<u>Agreement and Plan of Merger, dated as of March 8, 2018, by and among Cigna Corporation, Express Scripts Holding Company, Halfmoon Parent, Inc., Halfmoon I, Inc., and Halfmoon II, Inc., incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed March 9, 2018.</u>
<u>2.2</u>	<u>Amendment No. 1 to the Agreement and Plan of Merger, dated as of June 27, 2018, by and among Cigna Corporation, Express Scripts Holding Company, Halfmoon Parent, Inc., Halfmoon I, Inc. and Halfmoon II, Inc., incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed July 2, 2018.</u>
<u>3.1</u>	<u>Amended and Restated Certificate of Incorporation of the Company, incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed April 2, 2012.</u>
<u>3.2</u>	<u>Amended and Restated Bylaws of the Company, as amended on March 9, 2016, incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed March 10, 2016.</u>
<u>3.3</u>	<u>Amendment No. 1 to Amended and Restated Bylaws of Express Scripts Holding Company, incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed March 9, 2018.</u>
<u>31.1</u> ⁽²⁾	<u>Certification by Timothy Wentworth, as President and Chief Executive Officer of Express Scripts Holding Company, pursuant to Exchange Act Rule 13a-14(a).</u>
<u>31.2</u> ⁽²⁾	<u>Certification by James M. Havel, as Executive Vice President and Chief Financial Officer of Express Scripts Holding Company, pursuant to Exchange Act Rule 13a-14(a).</u>
<u>32.1</u> ⁽²⁾	<u>Certification by Timothy Wentworth, as President and Chief Executive Officer of Express Scripts Holding Company, pursuant to 18 U.S.C. § 1350 and Exchange Act Rule 13a-14(b).</u>
<u>32.2</u> ⁽²⁾	<u>Certification by James M. Havel, as Executive Vice President and Chief Financial Officer of Express Scripts Holding Company, pursuant to 18 U.S.C. § 1350 and Exchange Act Rule 13a-14(b).</u>
101.INS ⁽²⁾	XBRL Taxonomy Instance Document.
101.SCH ⁽²⁾	XBRL Taxonomy Extension Schema Document.
101.CAL ⁽²⁾	XBRL Taxonomy Extension Calculation Linkbase Document.
101.DEF ⁽²⁾	XBRL Taxonomy Extension Definition Linkbase Document.
101.LAB ⁽²⁾	XBRL Taxonomy Extension Label Linkbase Document.
101.PRE ⁽²⁾	XBRL Taxonomy Extension Presentation Linkbase Document.

1 The Merger Agreement listed in Exhibit 2.1 (the "Agreement") is not intended to modify or supplement any factual disclosures about the parties thereto, including the Company, and should not be relied upon as disclosure about such parties without consideration of the periodic and current reports and statements that the parties thereto file with the SEC. The terms of the Agreement govern the contractual rights and relationships, and allocate risks, among the

parties in relation to the transactions contemplated by the Agreement. In particular, the representations and warranties made by the parties in the Agreement reflect negotiations between, and are solely for the benefit of, the parties thereto and may be limited or modified by a variety of factors, including: subsequent events, information included in public filings, disclosures made during negotiations, correspondence between the parties and disclosure schedules and disclosure letters, as applicable, to the Agreement. Accordingly, the representations and warranties may not describe the actual state of affairs at the date they were made or at any other time and you should not rely on them as statements of fact. In addition, the representations and warranties made by the parties in the Agreement may be subject to standards of materiality applicable to the contracting parties that differ from those applicable to investors. The schedules to the Agreement have been omitted pursuant to Item 601(b)(2) of Regulation S-K and will be furnished supplementally to the SEC upon request.

2 Filed herein.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

EXPRESS SCRIPTS HOLDING COMPANY

(Registrant)

Date: October 31, 2018 By: /s/ Timothy Wentworth
Timothy Wentworth, President and
Chief Executive Officer

Date: October 31, 2018 By: /s/ James M. Havel
James M. Havel, Executive Vice President and
Chief Financial Officer