

METLIFE INC  
Form 10-Q  
November 08, 2018

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

Form 10-Q

(Mark One)

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

FOR THE QUARTERLY PERIOD ENDED SEPTEMBER 30, 2018

or

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

FOR THE TRANSITION PERIOD FROM TO

Commission file number: 001-15787

MetLife, Inc.

(Exact name of registrant as specified in its charter)

Delaware

13-4075851

(State or other jurisdiction of  
incorporation or organization)

(I.R.S. Employer  
Identification No.)

200 Park Avenue, New York, N.Y. 10166-0188

(Address of principal executive offices) (Zip Code)

(212) 578-9500

(Registrant's telephone number, including area code)

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.

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

At October 31, 2018, 986,838,252 shares of the registrant's common stock, \$0.01 par value per share, were outstanding.



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As used in this Form 10 Q, “MetLife,” the “Company,” “we,” “our” and “us” refer to MetLife, Inc., a Delaware corporation incorporated in 1999, its subsidiaries and affiliates.

Note Regarding Forward-Looking Statements

This Quarterly Report on Form 10 Q, including Management’s Discussion and Analysis of Financial Condition and Results of Operations, may contain or incorporate by reference information that includes or is based upon forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995.

Forward-looking statements give expectations or forecasts of future events. These statements can be identified by the fact that they do not relate strictly to historical or current facts. They use words and terms such as “anticipate,” “estimate,” “expect,” “project,” “intend,” “plan,” “believe,” “will,” and other words and terms of similar meaning, or are tied to future performance in connection with a discussion of future performance. In particular, these include statements relating to future actions, prospective services or products, future performance or results of current and anticipated services or products, sales efforts, expenses, the outcome of contingencies such as legal proceedings, trends in operations and financial results. Many factors will be important in determining the results of MetLife, Inc., its subsidiaries and affiliates.

Forward-looking statements are based on our assumptions and current expectations, which may be inaccurate, and on the current economic environment, which may change. These statements are not guarantees of future performance. They involve a number of risks and uncertainties that are difficult to predict. Results could differ materially from those expressed or implied in the forward-looking statements. Risks, uncertainties, and other factors that might cause such differences include the risks, uncertainties and other factors identified in MetLife, Inc.’s filings with the U.S. Securities and Exchange Commission. These factors include: (1) adverse effects which may arise in connection with the material weaknesses in our internal control over financial reporting or our failure to promptly remediate them; (2) difficult conditions in the global capital markets; (3) increased volatility and disruption of the global capital and credit markets, which may affect our ability to meet liquidity needs and access capital, including through our credit facilities, generate fee income and market-related revenue and finance statutory reserve requirements and may require us to pledge collateral or make payments related to declines in value of specified assets, including assets supporting risks ceded to certain of our captive reinsurers or hedging arrangements associated with those risks; (4) exposure to global financial and capital market risks, including as a result of the United Kingdom’s notice of withdrawal from the European Union or other disruption in global political, security or economic conditions; (5) impact on us of comprehensive financial services regulation reform; (6) numerous rulemaking initiatives required or permitted by the Dodd-Frank Wall Street Reform and Consumer Protection Act which may impact how we conduct our business, including those compelling the liquidation of certain financial institutions; (7) regulatory, legislative or tax changes relating to our insurance, international, or other operations that may affect the cost of, or demand for, our products or services, or increase the cost or administrative burdens of providing benefits to employees; (8) adverse results or other consequences from litigation, arbitration or regulatory investigations; (9) potential liquidity and other risks resulting from our participation in a securities lending program and other transactions; (10) investment losses and defaults, and changes to investment valuations; (11) changes in assumptions related to investment valuations, deferred policy acquisition costs, deferred sales inducements, value of business acquired or goodwill; (12) impairments of goodwill and realized losses or market value impairments to illiquid assets; (13) defaults on our mortgage loans; (14) the defaults or deteriorating credit of other financial institutions that could adversely affect us; (15) economic, political, legal, currency and other risks relating to our international operations, including with respect to fluctuations of exchange rates; (16) downgrades in our claims paying ability, financial strength or credit ratings; (17) a deterioration in the experience of the closed block established in connection with the reorganization of Metropolitan Life Insurance Company; (18) availability and effectiveness of reinsurance, hedging or indemnification arrangements, as well as any default or failure of counterparties to perform; (19) differences between actual claims experience and underwriting and reserving assumptions; (20) ineffectiveness of risk management policies and procedures; (21) catastrophe losses; (22) increasing cost and limited market capacity for statutory life insurance reserve financings; (23) heightened competition, including with respect to pricing, entry of new competitors, consolidation of distributors, the development of new products by new and existing competitors, and for personnel; (24) exposure to losses related to variable annuity guarantee benefits, including from significant and sustained downturns or extreme volatility in equity markets, reduced interest rates, unanticipated policyholder behavior, mortality or longevity, and any adjustment for

nonperformance risk; (25) our ability to address difficulties, unforeseen liabilities, asset impairments, or rating agency actions arising from (a) business acquisitions and integrating and managing the growth of such acquired businesses, (b) dispositions of businesses via sale, initial public offering, spin-off or otherwise, including failure to achieve projected operational benefits from such transactions and any restrictions, liabilities, losses or indemnification obligations arising from any transitional services or tax arrangements related to the separation of any business, or from the failure of such a separation to qualify for any intended tax-free treatment, (c) entry into joint ventures, or (d) legal entity reorganizations; (26) unanticipated or adverse developments that could adversely affect our achieving expected operational or other benefits from the separation of Brighthouse Financial, Inc. and its subsidiaries (“Brighthouse”); (27) liabilities, losses or indemnification obligations arising from our transitional services, investment management or tax arrangements or other agreements with Brighthouse; (28) failure of the separation of Brighthouse to qualify for intended tax-free treatment; (29) legal, regulatory and other restrictions affecting MetLife, Inc.’s ability to pay dividends and repurchase common stock; (30) MetLife, Inc.’s and its subsidiary holding companies’ primary reliance, as holding companies, on dividends from subsidiaries to meet free cash flow targets and debt payment obligations and the applicable regulatory restrictions on the ability of the subsidiaries to pay such dividends; (31) the possibility that MetLife, Inc.’s Board of Directors may influence the outcome of stockholder votes through the voting provisions of the MetLife Policyholder Trust; (32) changes in accounting standards, practices and/or policies; (33) increased expenses relating to pension and postretirement benefit plans, as well as health care and other employee benefits; (34) inability to protect our intellectual property rights or claims of infringement of the intellectual property rights of others; (35) difficulties in marketing and distributing products through our distribution channels; (36) provisions of laws and our incorporation documents that may delay, deter or prevent takeovers and corporate combinations involving MetLife; (37) the effects of business disruption or economic contraction due to disasters such as terrorist attacks, cyberattacks, other hostilities, or natural catastrophes, including any related impact on the value of our investment portfolio, our disaster recovery systems, cyber- or other information security systems and management continuity planning; (38) any failure to protect the confidentiality of client information; (39) the effectiveness of our programs and practices in avoiding giving our associates incentives to take excessive risks; (40) the impact of technological changes on our businesses; and (41) other risks and uncertainties described from time to time in MetLife, Inc.’s filings with the U.S. Securities and Exchange Commission.

MetLife, Inc. does not undertake any obligation to publicly correct or update any forward-looking statement if MetLife, Inc. later becomes aware that such statement is not likely to be achieved. Please consult any further disclosures MetLife, Inc. makes on related subjects in reports to the U.S. Securities and Exchange Commission.

#### Corporate Information

We announce financial and other information about MetLife to our investors through the MetLife Investor Relations web page at [www.metlife.com](http://www.metlife.com), as well as U.S. Securities and Exchange Commission filings, news releases, public conference calls and webcasts. MetLife encourages investors to visit the Investor Relations web page from time to time, as information is updated and new information is posted. The information found on our website is not incorporated by reference into this Quarterly Report on Form 10-Q or in any other report or document we file with the U.S. Securities and Exchange Commission, and any references to our website are intended to be inactive textual references only.

#### Note Regarding Reliance on Statements in Our Contracts

See “Exhibits — Note Regarding Reliance on Statements in Our Contracts” for information regarding agreements included as exhibits to this Quarterly Report on Form 10-Q.

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## Part I — Financial Information

## Item 1. Financial Statements

MetLife, Inc.

Interim Condensed Consolidated Balance Sheets

September 30, 2018 and December 31, 2017 (Unaudited)

(In millions, except share and per share data)

	September 30, 2018	December 31, 2017
Assets		
Investments:		
Fixed maturity securities available-for-sale, at estimated fair value (amortized cost: \$293,268 and \$286,069, respectively)	\$ 304,840	\$ 308,931
Equity securities, at estimated fair value	1,479	2,513
Contractholder-directed equity securities and fair value option securities, at estimated fair value (includes \$5 and \$6, respectively, relating to variable interest entities)	13,540	16,745
Mortgage loans (net of valuation allowances of \$336 and \$314, respectively; includes \$323 and \$520, respectively, under the fair value option)	72,461	68,731
Policy loans	9,703	9,669
Real estate and real estate joint ventures (includes \$631 and \$25, respectively, of real estate held-for-sale)	9,977	9,637
Other limited partnership interests	6,374	5,708
Short-term investments, principally at estimated fair value	5,231	4,870
Other invested assets (includes \$128 and \$125, respectively, relating to variable interest entities)	16,336	17,263
Total investments	439,941	444,067
Cash and cash equivalents, principally at estimated fair value (includes \$10 and \$12, respectively, relating to variable interest entities)	12,490	12,701
Accrued investment income	3,691	3,524
Premiums, reinsurance and other receivables (includes \$3 and \$3, respectively, relating to variable interest entities)	19,820	18,423
Deferred policy acquisition costs and value of business acquired	19,160	18,419
Goodwill	9,440	9,590
Other assets (includes \$2 and \$2, respectively, relating to variable interest entities)	8,493	8,167
Separate account assets	185,416	205,001
Total assets	\$ 698,451	\$ 719,892
Liabilities and Equity		
Liabilities		
Future policy benefits	\$ 185,476	\$ 177,974
Policyholder account balances	184,094	182,518
Other policy-related balances	16,207	15,515
Policyholder dividends payable	709	682
Policyholder dividend obligation	456	2,121
Payables for collateral under securities loaned and other transactions	26,075	25,723
Short-term debt	290	477
Long-term debt (includes \$5 and \$6, respectively, at estimated fair value, relating to variable interest entities)	13,408	15,686
Collateral financing arrangement	1,073	1,121
Junior subordinated debt securities	3,146	3,144

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Current income tax payable	166	311
Deferred income tax liability	4,924	6,767
Other liabilities (includes \$1 and \$3, respectively, relating to variable interest entities)	25,202	23,982
Separate account liabilities	185,416	205,001
Total liabilities	646,642	661,022
Contingencies, Commitments and Guarantees (Note 15)		
Equity		
MetLife, Inc.'s stockholders' equity:		
Preferred stock, par value \$0.01 per share; \$3,405 and \$2,100 aggregate liquidation preference, respectively	—	—
Common stock, par value \$0.01 per share; 3,000,000,000 shares authorized; 1,171,428,557 and 1,168,710,101 shares issued, respectively; 986,644,069 and 1,043,588,396 shares outstanding, respectively	12	12
Additional paid-in capital	32,475	31,111
Retained earnings	27,331	26,527
Treasury stock, at cost; 184,784,488 and 125,121,705 shares, respectively	(9,193	) (6,401 )
Accumulated other comprehensive income (loss)	1,000	7,427
Total MetLife, Inc.'s stockholders' equity	51,625	58,676
Noncontrolling interests	184	194
Total equity	51,809	58,870
Total liabilities and equity	\$ 698,451	\$ 719,892

See accompanying notes to the interim condensed consolidated financial statements.

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MetLife, Inc.

Interim Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)

For the Three Months and Nine Months Ended September 30, 2018 and 2017 (Unaudited)

(In millions, except per share data)

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018		
	2017	2018	2017	2018	
Revenues					
Premiums	\$10,242	\$10,876	\$34,573	\$29,421	
Universal life and investment-type product policy fees	1,343	1,428	4,105	4,152	
Net investment income	4,486	4,295	12,704	12,909	
Other revenues	479	301	1,428	935	
Net investment gains (losses)	117	(606)	(443)	(414)	
Net derivative gains (losses)	(378)	(123)	(88)	(535)	
Total revenues	16,289	16,171	52,279	46,468	
Expenses					
Policyholder benefits and claims	10,080	10,728	33,664	29,018	
Interest credited to policyholder account balances	1,334	1,338	3,527	4,081	
Policyholder dividends	327	302	933	925	
Other expenses	3,469	3,318	10,319	9,869	
Total expenses	15,210	15,686	48,443	43,893	
Income (loss) from continuing operations before provision for income tax	1,079	485	3,836	2,575	
Provision for income tax expense (benefit)	164	(398)	770	(116)	
Income (loss) from continuing operations, net of income tax	915	883	3,066	2,691	
Income (loss) from discontinued operations, net of income tax	—	(968)	—	(986)	
Net income (loss)	915	(85)	3,066	1,705	
Less: Net income (loss) attributable to noncontrolling interests	3	6	10	12	
Net income (loss) attributable to MetLife, Inc.	912	(91)	3,056	1,693	
Less: Preferred stock dividends	32	6	84	58	
Net income (loss) available to MetLife, Inc.'s common shareholders	\$880	\$(97)	\$2,972	\$1,635	
Comprehensive income (loss)	\$(940)	\$(192)	\$(4,273)	\$4,668	
Less: Comprehensive income (loss) attributable to noncontrolling interests, net of income tax	2	10	10	16	
Comprehensive income (loss) attributable to MetLife, Inc.	\$(942)	\$(202)	\$(4,283)	\$4,652	
Income (loss) from continuing operations, net of income tax, available to MetLife, Inc.'s common shareholders:					
Basic		\$0.89	\$0.82	\$2.93	\$2.44
Diluted		\$0.88	\$0.81	\$2.91	\$2.42
Net income (loss) available to MetLife, Inc.'s common shareholders per common share:					
Basic		\$0.89	\$(0.09)	\$2.93	\$1.52
Diluted		\$0.88	\$(0.09)	\$2.91	\$1.51
See accompanying notes to the interim condensed consolidated financial statements.					



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MetLife, Inc.

Interim Condensed Consolidated Statements of Equity

For the Nine Months Ended September 30, 2018 and 2017 (Unaudited)

(In millions)

	Preferred Stock	Common Stock	Additional Paid-in Capital	Retained Earnings	Treasury Stock at Cost	Accumulated Other Comprehensive Income (Loss)	Total MetLife, Inc. Stockholders' Equity	Noncontrol- ling Interests	Total Equity
Balance at December 31, 2017	\$ —	\$ 12	\$ 31,111	\$ 26,527	\$ (6,401)	\$ 7,427	\$ 58,676	\$ 194	\$ 58,870
Cumulative effects of changes in accounting principles, net of income tax (Note 1)				(905)		912	7		7
Balance at January 1, 2018	—	12	31,111	25,622	(6,401)	8,339	58,683	194	58,877
Preferred stock issuance			1,274				1,274		1,274
Treasury stock acquired in connection with share repurchases					(2,792)		(2,792)		(2,792)
Stock-based compensation			90				90		90
Dividends on preferred stock				(84)			(84)		(84)
Dividends on common stock				(1,263)			(1,263)		(1,263)
Change in equity of noncontrolling interests							—	(20)	(20)
Net income (loss)				3,056			3,056	10	3,066
Other comprehensive income (loss), net of income tax						(7,339)	(7,339)	—	(7,339)
Balance at September 30, 2018	\$ —	\$ 12	\$ 32,475	\$ 27,331	\$ (9,193)	\$ 1,000	\$ 51,625	\$ 184	\$ 51,809
	Preferred Stock	Common Stock	Additional Paid-in Capital	Retained Earnings	Treasury Stock at Cost	Accumulated Other Comprehensive Income (Loss)	Total MetLife, Inc.'s Stockholders' Equity	Noncontrol- ling Interests	Total Equity
Balance at December 31, 2016, as previously reported	\$ —	\$ 12	\$ 30,944	\$ 34,480	\$ (3,474)	\$ 5,347	\$ 67,309	\$ 171	\$ 67,480
Prior period revisions (Note 1)				203		19	222		222
Balance at December 31, 2016	—	12	30,944	34,683	(3,474)	5,366	67,531	171	67,702
Treasury stock acquired in connection with share repurchases					(2,305)		(2,305)		(2,305)
Stock-based compensation			122	(58)			122	(58)	122

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Dividends on preferred stock									
Dividends on common stock	(1,295 )			(1,295 )				(1,295 )	
Distribution of Brighthouse (Note 3)	(10,346 )		(1,320 )	(11,666 )				(11,666 )	
Change in equity of noncontrolling interests				—		43		43	
Net income (loss)	1,693			1,693		12		1,705	
Other comprehensive income (loss), net of income tax			2,959	2,959		4		2,963	
Balance at September 30, 2017	\$ —	\$ 12	\$ 31,066	\$ 24,677	\$ (5,779)	\$ 7,005	\$ 56,981	\$ 230	\$ 57,211

See accompanying notes to the interim condensed consolidated financial statements.

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MetLife, Inc.

Interim Condensed Consolidated Statements of Cash Flows

For the Nine Months Ended September 30, 2018 and 2017 (Unaudited)

(In millions)

	Nine Months Ended September 30,	
	2018	2017
Net cash provided by (used in) operating activities	\$10,437	\$10,233
Cash flows from investing activities		
Sales, maturities and repayments of:		
Fixed maturity securities available-for-sale	78,227	66,544
Equity securities	323	904
Mortgage loans	6,878	6,721
Real estate and real estate joint ventures	561	689
Other limited partnership interests	514	882
Purchases of:		
Fixed maturity securities available-for-sale	(84,014 )	(76,010 )
Equity securities	(118 )	(705 )
Mortgage loans	(10,624 )	(9,988 )
Real estate and real estate joint ventures	(912 )	(1,078 )
Other limited partnership interests	(1,047 )	(1,064 )
Cash received in connection with freestanding derivatives	3,130	4,890
Cash paid in connection with freestanding derivatives	(3,745 )	(7,404 )
Cash disposed due to distribution of Brighthouse	—	(663 )
Purchases of businesses	—	(211 )
Net change in policy loans	(62 )	(16 )
Net change in short-term investments	(301 )	(209 )
Net change in other invested assets	174	(184 )
Other, net	24	(256 )
Net cash provided by (used in) investing activities	(10,992 )	(17,158 )
Cash flows from financing activities		
Policyholder account balances:		
Deposits	72,037	67,565
Withdrawals	(67,869 )	(62,233 )
Net change in payables for collateral under securities loaned and other transactions	719	2,316
Long-term debt issued	24	3,657
Long-term debt repaid	(1,311 )	(60 )
Collateral financing arrangements repaid	(48 )	(2,852 )
Distribution of Brighthouse	—	(2,793 )
Financing element on certain derivative instruments and other derivative related transactions, net	(15 )	(109 )
Treasury stock acquired in connection with share repurchases	(2,792 )	(2,305 )
Preferred stock issued, net of issuance costs	1,274	—
Dividends on preferred stock	(84 )	(58 )
Dividends on common stock	(1,263 )	(1,295 )
Other, net	(141 )	(144 )
Net cash provided by (used in) financing activities	531	1,689
Effect of change in foreign currency exchange rates on cash and cash equivalents balances	(187 )	382
Change in cash and cash equivalents	(211 )	(4,854 )

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Cash and cash equivalents, beginning of period	12,701	17,877
Cash and cash equivalents, end of period	\$12,490	\$13,023
Cash and cash equivalents, of disposed subsidiary, beginning of period	\$—	\$5,226
Cash and cash equivalents, of disposed subsidiary, end of period	\$—	\$—
Cash and cash equivalents, from continuing operations, beginning of period	\$12,701	\$12,651
Cash and cash equivalents, from continuing operations, end of period	\$12,490	\$13,023
Supplemental disclosures of cash flow information		
Net cash paid (received) for:		
Interest	\$809	\$806
Income tax	\$695	\$633
Non-cash transactions:		
Fixed maturity securities available-for-sale received in connection with pension risk transfer transaction	\$3,016	\$—
Brighthouse common stock exchange transaction (Note 3):		
Reduction of long-term debt	\$944	\$—
Reduction of fair value option securities	\$1,030	\$—
Disposal of Brighthouse		
Assets disposed	\$—	\$225,502
Liabilities disposed	—	(210,999 )
Net assets disposed	\$—	\$14,503
Cash disposed	—	(3,456 )
Net non-cash disposed	\$—	\$11,047
See accompanying notes to the interim condensed consolidated financial statements.		

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited)

1. Business, Basis of Presentation and Summary of Significant Accounting Policies

Business

“MetLife” and the “Company” refer to MetLife, Inc., a Delaware corporation incorporated in 1999, its subsidiaries and affiliates. MetLife is one of the world’s leading financial services companies, providing insurance, annuities, employee benefits and asset management. MetLife is organized into five segments: U.S.; Asia; Latin America; Europe, the Middle East and Africa (“EMEA”); and MetLife Holdings.

Basis of Presentation

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (“GAAP”) requires management to adopt accounting policies and make estimates and assumptions that affect amounts reported on the interim condensed consolidated financial statements. In applying these policies and estimates, management makes subjective and complex judgments that frequently require assumptions about matters that are inherently uncertain. Many of these policies, estimates and related judgments are common in the insurance and financial services industries; others are specific to the Company’s business and operations. Actual results could differ from these estimates.

The accompanying interim condensed consolidated financial statements are unaudited and reflect all adjustments (including normal recurring adjustments) necessary to present fairly the financial position, results of operations and cash flows for the interim periods presented in conformity with GAAP. Interim results are not necessarily indicative of full year performance. The December 31, 2017 consolidated balance sheet data was derived from audited consolidated financial statements included in MetLife, Inc.’s Annual Report on Form 10-K for the year ended December 31, 2017 (the “2017 Annual Report”), which include all disclosures required by GAAP. Therefore, these interim condensed consolidated financial statements should be read in conjunction with the consolidated financial statements of the Company included in the 2017 Annual Report.

Consolidation

The accompanying interim condensed consolidated financial statements include the accounts of MetLife, Inc. and its subsidiaries, as well as partnerships and joint ventures in which the Company has control, and variable interest entities (“VIEs”) for which the Company is the primary beneficiary. Intercompany accounts and transactions have been eliminated.

The Company uses the equity method of accounting for equity securities when it has significant influence or at least 20% interest and for real estate joint ventures and other limited partnership interests (“investees”) when it has more than a minor ownership interest or more than a minor influence over the investee’s operations. The Company generally recognizes its share of the investee’s earnings on a three-month lag in instances where the investee’s financial information is not sufficiently timely or when the investee’s reporting period differs from the Company’s reporting period. Subsequent to the adoption of guidance relating to the recognition and measurement of financial instruments on January 1, 2018, the Company accounts for interests in unconsolidated entities that are not accounted for under the equity method, at estimated fair value. Such investments were previously accounted for under the cost method of accounting. See “— Adoption of New Accounting Pronouncements.”

Discontinued Operations

The results of operations of a component of the Company that has either been disposed of or is classified as held-for-sale are reported in discontinued operations if certain criteria are met. A disposal of a component is reported in discontinued operations if the disposal represents a strategic shift that has or will have a major effect on the Company’s operations and financial results.

On August 4, 2017, MetLife, Inc. completed the separation of Brighthouse Financial, Inc. and its subsidiaries (“Brighthouse”) through a distribution of 96,776,670 shares of Brighthouse Financial, Inc. common stock to the MetLife, Inc. common shareholders (the “Separation”). The results of Brighthouse are reflected in MetLife, Inc.’s interim condensed consolidated financial statements as discontinued operations and, therefore, are presented as income (loss) from discontinued operations on the consolidated statements of operations and comprehensive income (loss).

Intercompany transactions between the Company and Brighthouse prior to the Separation have been eliminated. Transactions between the Company and Brighthouse after the Separation are reflected in continuing operations for the Company. See Note 3 for information on discontinued operations and transactions with Brighthouse.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

## Reclassifications

Certain amounts in the prior year periods' interim condensed consolidated financial statements and related footnotes thereto have been reclassified to conform to the 2018 presentation as discussed throughout the Notes to the Interim Condensed Consolidated Financial Statements.

## Revisions

As discussed in Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report, the Company made adjustments for group annuity reserves and assumed variable annuity guarantee reserves for which amounts previously reported have been immaterially restated. In addition, the Company has corrected other unrelated immaterial errors which were previously recorded in the periods the Company identified them.

A summary of the revisions to prior year periods' net income (loss) available to MetLife, Inc.'s common shareholders is shown in the table below:

	Three Months Ended September 30, 2017 (In millions)	Nine Months Ended September 30,
Assumed variable annuity guarantee reserves	\$ 67	\$ 128
Group annuity reserves	(12 )	(30 )
Other revisions to continuing operations, net	(71 )	(5 )
Impact to income (loss) from continuing operations before provision for income tax	(16 )	93
Provision for income tax expense (benefit)	(6 )	32
Impact to income (loss) from continuing operations, net of income tax	(10 )	61
Other revisions to discontinued operations, net of income tax	—	3
Impact to net income (loss) available to MetLife, Inc.'s	\$ (10 )	\$ 64

common  
shareholders

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

The impact of the revisions is shown in the tables below:

Interim Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)	Three Months Ended September 30, 2017		Nine Months Ended September 30,			
	As Previously Reported	Revisions	As Revised	As Previously Reported	Revisions	As Revised
	(In millions, except per share data)					
Revenues						
Net investment gains (losses)	\$ (606 )	\$ —	\$ (606 )	\$ (439 )	\$ 25	\$ (414 )
Net derivative gains (losses)	\$ (190 )	\$ 67	\$ (123 )	\$ (663 )	\$ 128	\$ (535 )
Total revenues	\$ 16,104	\$ 67	\$ 16,171	\$ 46,315	\$ 153	\$ 46,468
Expenses						
Policyholder benefits and claims	\$ 10,645	\$ 83	\$ 10,728	\$ 28,923	\$ 95	\$ 29,018
Other expenses	\$ 3,318	\$ —	\$ 3,318	\$ 9,904	\$ (35 )	\$ 9,869
Total expenses	\$ 15,603	\$ 83	\$ 15,686	\$ 43,833	\$ 60	\$ 43,893
Income (loss) from continuing operations before provision for income tax	\$ 501	\$ (16 )	\$ 485	\$ 2,482	\$ 93	\$ 2,575
Provision for income tax expense (benefit)	\$ (392 )	\$ (6 )	\$ (398 )	\$ (148 )	\$ 32	\$ (116 )
Income (loss) from continuing operations, net of income tax	\$ 893	\$ (10 )	\$ 883	\$ 2,630	\$ 61	\$ 2,691
Income (loss) from discontinued operations, net of income tax	\$ (968 )	\$ —	\$ (968 )	\$ (989 )	\$ 3	\$ (986 )
Net income (loss)	\$ (75 )	\$ (10 )	\$ (85 )	\$ 1,641	\$ 64	\$ 1,705
Net income (loss) attributable to MetLife, Inc.	\$ (81 )	\$ (10 )	\$ (91 )	\$ 1,629	\$ 64	\$ 1,693
Net income (loss) available to MetLife, Inc.'s common shareholders	\$ (87 )	\$ (10 )	\$ (97 )	\$ 1,571	\$ 64	\$ 1,635
Comprehensive income (loss)	\$ (182 )	\$ (10 )	\$ (192 )	\$ 4,623	\$ 45	\$ 4,668
Comprehensive income (loss) attributable to MetLife, Inc.	\$ (192 )	\$ (10 )	\$ (202 )	\$ 4,607	\$ 45	\$ 4,652
Income (loss) from continuing operations, net of income tax, available to MetLife, Inc.'s common shareholders:						
Basic	\$ 0.83	\$ (0.01 )	\$ 0.82	\$ 2.38	\$ 0.06	\$ 2.44
Diluted	\$ 0.82	\$ (0.01 )	\$ 0.81	\$ 2.36	\$ 0.06	\$ 2.42
Net income (loss) available to MetLife, Inc.'s common shareholders per common share:						
Basic	\$ (0.08 )	\$ (0.01 )	\$ (0.09 )	\$ 1.46	\$ 0.06	\$ 1.52
Diluted	\$ (0.08 )	\$ (0.01 )	\$ (0.09 )	\$ 1.45	\$ 0.06	\$ 1.51

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

Interim Condensed Consolidated Statements of Equity	As Previously Reported (In millions)	Revisions	As Revised
<b>Retained Earnings</b>			
Balance at December 31, 2016	\$34,480	\$ 203	\$34,683
Net income (loss)	\$1,629	\$ 64	\$1,693
Balance at September 30, 2017	\$24,410	\$ 267	\$24,677
<b>Accumulated Other Comprehensive Income (Loss)</b>			
Balance at December 31, 2016	\$5,347	\$ 19	\$5,366
Other comprehensive income (loss), net of income tax	\$2,978	\$ (19 )	\$2,959
Balance at September 30, 2017	\$7,005	\$ —	\$7,005
<b>Total MetLife, Inc.'s Stockholders' Equity</b>			
Balance at December 31, 2016	\$67,309	\$ 222	\$67,531
Balance at September 30, 2017	\$56,714	\$ 267	\$56,981
<b>Total Equity</b>			
Balance at December 31, 2016	\$67,480	\$ 222	\$67,702
Balance at September 30, 2017	\$56,944	\$ 267	\$57,211

**Adoption of New Accounting Pronouncements**

Effective January 1, 2018, the Company early adopted guidance relating to income taxes. The new guidance was applied in the period of adoption. Current GAAP guidance requires that the effect of a change in tax laws or rates on deferred tax liabilities or assets to be included in income from continuing operations in the reporting period that includes the enactment date, even if the related income tax effects were originally charged or credited directly to accumulated other comprehensive income ("AOCI"). The Company's accounting policy for the release of stranded tax effects in AOCI is on an aggregate portfolio basis. The new guidance allows a reclassification of AOCI to retained earnings for stranded tax effects resulting from the Tax Cuts and Jobs Act of 2017 ("U.S. Tax Reform"). Due to U.S. Tax Reform and the change in corporate tax rates, at December 22, 2017, the Company reported stranded tax effects in AOCI related to unrealized gains and losses on available-for-sale ("AFS") securities, cumulative foreign translation adjustments and deferred costs on pension benefit plans. With the adoption of the guidance, the Company released these stranded tax effects in AOCI resulting in a decrease to retained earnings as of January 1, 2018 of \$1.2 billion with a corresponding increase to AOCI.

Effective January 1, 2018, the Company prospectively adopted guidance relating to stock compensation. The new guidance includes guidance on determining which changes to the terms and conditions of share-based payment awards require an entity to apply modification accounting under Accounting Standards Codification ("ASC") Topic 718, Compensation - Stock Compensation. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

Effective January 1, 2018 the Company retrospectively adopted guidance on the presentation of net periodic pension cost and net periodic postretirement benefit cost. The new guidance requires that an employer that offers to its employees defined benefit pension or other postretirement benefit plans report the service cost component in the same line item or items as other compensation costs. The other components of net periodic benefit cost are required to be presented in the income statement separately from the service cost component and outside a subtotal of income from operations, if one is presented. If a separate line item is not used, the line item used in the income statement to present the other components of net periodic benefit cost must be disclosed. In addition, the guidance allows only the service cost component to be eligible for capitalization when applicable. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

Effective January 1, 2018, the Company adopted, using a modified retrospective approach, guidance relating to de-recognition of nonfinancial assets. The new guidance clarifies the scope and accounting of a financial asset that meets the definition of an “in-substance nonfinancial asset” and defines the term, “in-substance nonfinancial asset.” The new guidance also adds guidance for partial sales of nonfinancial assets. The adoption of the guidance did not have a material impact on the Company’s consolidated financial statements.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

Effective January 1, 2018, the Company retrospectively adopted guidance relating to restricted cash. The new guidance requires that a statement of cash flows explain the change during the period in the total of cash, cash equivalents, and amounts generally described as restricted cash or restricted cash equivalents. As a result, the new guidance requires that amounts generally described as restricted cash and restricted cash equivalents should 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. The new guidance does not provide a definition of restricted cash or restricted cash equivalents. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

Effective January 1, 2018, the Company adopted, using a modified retrospective approach, guidance relating to tax accounting for intra-entity transfers of assets. Prior guidance prohibited the recognition of current and deferred income taxes for an intra-entity asset transfer until the asset has been sold to an outside party. The new guidance requires an entity to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

Effective January 1, 2018, the Company retrospectively adopted guidance relating to cash flow statement presentation. The new guidance addresses diversity in how certain cash receipts and cash payments are presented and classified in the statement of cash flows. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

Effective January 1, 2018, the Company adopted, using a modified retrospective approach, guidance relating to recognition and measurement of financial instruments. The guidance changes the current accounting guidance related to (i) the classification and measurement of certain equity investments, (ii) the presentation of changes in the fair value of financial liabilities measured under the fair value option ("FVO") that are due to instrument-specific credit risk, and (iii) certain disclosures associated with the fair value of financial instruments. Effective January 1, 2018, there will no longer be a requirement to assess equity securities for impairment since such securities will be measured at fair value through net income. Additionally, there will no longer be a requirement to assess equity securities for embedded derivatives requiring bifurcation. The adoption of this guidance resulted in a \$328 million, net of income tax, increase to retained earnings largely offset by a decrease to AOCI that was primarily attributable to \$1.7 billion of equity securities previously classified and measured as equity securities AFS. At December 31, 2017, equity securities of \$16.0 billion primarily associated with contractholder-directed investments are accounted for using the FVO and therefore were unaffected by the new guidance. The Company has included the required disclosures related to equity securities within Note 6.

Effective January 1, 2018, the Company adopted, using a modified retrospective approach, guidance relating to revenue recognition. The new guidance supersedes nearly all existing revenue recognition guidance under U.S. GAAP. However, it does not impact the accounting for insurance and investment contracts within the scope of ASC Topic 944, Financial Services - Insurance, leases, financial instruments and certain guarantees. For those contracts that are impacted, the new guidance requires an entity to recognize revenue upon the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled, in exchange for those goods or services. The adoption of the guidance did not have a material impact on the Company's consolidated financial statements.

For the three months and nine months ended September 30, 2018, the Company identified \$329 million and \$979 million, respectively, of revenue streams within the scope of the guidance that are all included within other revenues on the interim condensed consolidated statements of operations and comprehensive income (loss). Such amounts primarily consisted of: (i) prepaid legal plans and administrative-only contracts within the U.S. segment of \$127 million and \$382 million for the three months and nine months ended September 30, 2018, respectively, (ii) distribution and administrative services fees within the MetLife Holdings segment of \$56 million and \$170 million for the three months and nine months ended September 30, 2018, respectively, and (iii) fee-based investment

management services within Corporate & Other of \$74 million and \$219 million for the three months and nine months ended September 30, 2018, respectively.

Substantially all of the revenue from these services is recognized over time as the applicable services are provided or are made available to the customers and control is transferred continuously. The consideration received for these services is variable and constrained to the amount not probable of a significant revenue reversal.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

Other

Effective January 16, 2018, the London Clearing House (“LCH”) amended its rulebook, resulting in the characterization of variation margin transfers as settlement payments, as opposed to adjustments to collateral. These amendments impacted the accounting treatment of the Company’s centrally cleared derivatives, for which the LCH serves as the central clearing party. As of the effective date, the application of the amended rulebook reduced gross derivative assets by \$369 million, gross derivative liabilities by \$203 million, accrued investment income by \$14 million, collateral receivables recorded within premiums, reinsurance and other receivables by \$184 million, and collateral payables recorded within payables for collateral under securities loaned and other transactions by \$365 million. The application of the amended rulebook increased accrued investment expense recorded within other liabilities by \$1 million.

Future Adoption of New Accounting Pronouncements

In October 2018, the Financial Accounting Standards Board (“FASB”) issued new guidance on consolidation (Accounting Standards Update (“ASU”) 2018-17, Consolidation (Topic 810): Targeted Improvements to Related Party Guidance for Variable Interest Entities). The new guidance is effective for fiscal years beginning after December 15, 2019 and interim periods within those fiscal years and should be applied retrospectively with a cumulative effect adjustment to retained earnings at the beginning of the earliest period presented. Early adoption is permitted. The new guidance provides that indirect interests held through related parties in common control arrangements should be considered on a proportional basis for determining whether fees paid to decisionmakers and service providers are variable interests. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

In October 2018, the FASB issued new guidance regarding derivatives (ASU 2018-16, Derivatives and Hedging (Topic 815): Inclusion of the Secured Overnight Financing Rate (SOFR) Overnight Index Swap (OIS) Rate as a Benchmark Interest Rate for Hedge Accounting Purposes). The new guidance is effective for fiscal years beginning after December 15, 2018 and interim periods within those fiscal years and should be applied prospectively for qualifying new or redesignated hedging relationships entered into after January 1, 2019. The amendments permit the use of the overnight index swap rate based on the Secured Overnight Financing Rate to be used as a U.S. benchmark interest rate for hedge accounting purposes under Topic 815. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

In August 2018, the FASB issued new guidance on implementation costs in a cloud computing arrangement that is a service contract (ASU 2018-15, Intangibles—Goodwill and Other—Internal-Use Software: Customer’s Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract). The new guidance is effective for fiscal years beginning after December 15, 2019 and interim periods within those fiscal years. Early adoption is permitted. The new guidance can be applied either prospectively to eligible costs incurred on or after the guidance is first applied, or retrospectively to all periods presented. The new guidance requires a customer in a cloud computing arrangement that is a service contract to follow the internal-use software guidance to determine which implementation costs to capitalize as assets. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

In August 2018, the FASB issued new guidance on defined benefit pension or other postretirement plans (ASU 2018-14, Compensation—Retirement Benefits—Defined Benefit Plans—General (Subtopic 715-20): Disclosure Framework—Changes to the Disclosure Requirements for Defined Benefit Plans). The new guidance is effective for fiscal years ending after December 15, 2020. Early adoption is permitted. The new guidance should be applied on a retrospective basis to all periods presented. The new guidance modifies and clarifies certain disclosure requirements. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

In August 2018, the FASB issued new guidance on fair value measurement (ASU 2018-13, Fair Value Measurement (Topic 820): Disclosure Framework—Changes to the Disclosure Requirements for Fair Value Measurement). The new

guidance is effective for fiscal years beginning after December 15, 2019 and interim periods within those fiscal years. Early adoption is permitted. The guidance modifies the disclosure requirements on fair value by removing some requirements, modifying others, adding changes in unrealized gains and losses included in other comprehensive income (loss) (“OCI”) for recurring Level 3 fair value measurements, and providing the option to disclose certain other quantitative information with respect to significant unobservable inputs in lieu of a weighted average. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

In August 2018, the FASB issued new guidance on long-duration insurance contracts (ASU 2018-12, Financial Services—Insurance (Topic 944): Targeted Improvements to the Accounting for Long-Duration Contracts). The new guidance is effective for fiscal years beginning after December 15, 2020 and interim periods within those fiscal years, with required retrospective application to January 1, 2019. Early adoption is permitted. The new guidance (i) prescribes the discount rate to be used in measuring the liability for future policy benefits for traditional and limited payment long-duration contracts, and requires assumptions for those liability valuations to be updated after contract inception, (ii) requires more market-based product guarantees on certain separate account and other account balance long-duration contracts to be accounted for at fair value, (iii) simplifies the amortization of deferred policy acquisition costs (“DAC”) for virtually all long-duration contracts, and (iv) introduces certain financial statement presentation requirements, as well as significant additional quantitative and qualitative disclosures. The Company has just begun its implementation efforts and is currently evaluating the impact of the new guidance. Given the nature and extent of the required changes to a significant portion of the Company’s operations, the adoption of this standard is expected to have a material impact on the consolidated financial statements.

In August 2017, the FASB issued new guidance on hedging activities (ASU 2017-12, Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities). The new guidance is effective for fiscal years beginning after December 15, 2018 and interim periods within those fiscal years and should be applied on a modified retrospective basis through a cumulative effect adjustment to retained earnings. Early adoption is permitted. The new guidance simplifies the application of hedge accounting in certain situations and amends the hedge accounting model to enable entities to better portray the economics of their risk management activities in their financial statements. Upon the adoption of ASU 2017-12, the Company will make certain changes to its assessment of hedge effectiveness for fair value hedging relationships, and the Company will also reclassify hedge ineffectiveness for cash flow hedging relationships existing as of the adoption date, which was previously recorded to earnings, to AOCI. The estimated impact of adoption is a decrease to retained earnings of approximately \$100 million to \$250 million.

In March 2017, the FASB issued new guidance on purchased callable debt securities (ASU 2017-08, Receivables—Nonrefundable Fees and Other Costs (Subtopic 310-20), Premium Amortization on Purchased Callable Debt Securities). The new guidance is effective for fiscal years beginning after December 15, 2018 and interim periods within those fiscal years and should be applied on a modified retrospective basis through a cumulative effect adjustment to retained earnings. Early adoption is permitted. The ASU shortens the amortization period for certain callable debt securities held at a premium and requires the premium to be amortized to the earliest call date. However, the new guidance does not require an accounting change for securities held at a discount whose discount continues to be amortized to maturity. The Company does not expect the adoption to have a material impact on its consolidated financial statements.

In January 2017, the FASB issued new guidance on goodwill impairment (ASU 2017-04, Intangibles—Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment). The new guidance is effective for fiscal years beginning after December 15, 2019 and interim periods within those fiscal years, and should be applied on a prospective basis. Early adoption is permitted for interim or annual goodwill impairment tests performed on testing dates after January 1, 2017. The new guidance simplifies the current two-step goodwill impairment test by eliminating Step 2 of the test. See Note 11 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for a description of the two-step test. The new guidance requires a one-step impairment test in which an entity compares the fair value of a reporting unit with its carrying amount and recognizes an impairment charge for the amount by which the carrying amount exceeds the reporting unit’s fair value, if any. The Company expects the adoption of this new guidance will reduce the complexity involved with the evaluation of goodwill for impairment. The impact of the new guidance will depend on the outcomes of future goodwill impairment tests.





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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 1. Business, Basis of Presentation and Summary of Significant Accounting Policies (continued)

In June 2016, the FASB issued new guidance on measurement of credit losses on financial instruments (ASU 2016-13, Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments). The new guidance is effective for fiscal years beginning after December 15, 2019, including interim periods within those fiscal years. For substantially all financial assets, the ASU should be applied on a modified retrospective basis through a cumulative effect adjustment to retained earnings. For previously impaired debt securities and certain debt securities acquired with evidence of credit quality deterioration since origination, the new guidance should be applied prospectively. Early adoption is permitted for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2018. This ASU replaces the incurred loss impairment methodology with one that reflects expected credit losses. The measurement of expected credit losses should be based on historical loss information, current conditions, and reasonable and supportable forecasts. The new guidance requires that an other-than-temporary impairment (“OTTI”) on a debt security will be recognized as an allowance going forward, such that improvements in expected future cash flows after an impairment will no longer be reflected as a prospective yield adjustment through net investment income, but rather a reversal of the previous impairment and recognized through realized investment gains and losses. The guidance also requires enhanced disclosures. The Company has assessed the asset classes impacted by the new guidance and is currently assessing the accounting and reporting system changes that will be required to comply with the new guidance. The Company believes that the most significant impact upon adoption will be to its mortgage loan investments. The Company is currently evaluating the impact of the new guidance on its consolidated financial statements.

In February 2016, the FASB issued new guidance on leasing transactions (ASU 2016-02, Leases (Topic 842)). The new guidance is effective for the fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. The new guidance requires a lessee to recognize assets and liabilities for leases with lease terms of more than 12 months. Leases would be classified as finance or operating leases and both types of leases will be recognized on the balance sheet. Lessor accounting will remain largely unchanged from current guidance except for certain targeted changes. The new guidance will also require new qualitative and quantitative disclosures. In July 2018, the FASB issued ASU 2018-10, Codification Improvements to Topic 842, Leases, amending certain aspects of the new leases standard. Also in July 2018, the FASB issued ASU 2018-11, Leases (Topic 842): Targeted Improvements, which provides lessors with a practical expedient not to separate lease and non-lease components for certain operating leases and with an additional transition method.

The Company will adopt the new guidance under ASU 2016-02 and related amendments on January 1, 2019 and expects to elect certain practical expedients permitted under the transition guidance. In addition, the Company expects to elect the transition option, which allows the Company to use the modified retrospective transition method and recognize a cumulative effect adjustment to the opening balance of retained earnings in the period of adoption but does not require restatement of prior periods. The Company has developed an integrated implementation plan and formed a multi-functional working group with a project governance structure to address any resource, system, data and process gaps related to the implementation of the new standard. The Company is currently in the process of integrating a lease accounting technology solution and developing updated reporting processes and internal controls to facilitate compliance with the new guidance.

While the Company is in the process of evaluating the impact of this guidance on its consolidated financial statements, the Company believes the most significant changes relate to (i) the recognition of new right of use assets and lease liabilities on the consolidated balance sheet for real estate operating leases; and (ii) the recognition of deferred gains associated with previous sale-leaseback transactions as a cumulative effect adjustment to retained earnings. On adoption, the Company expects to recognize additional operating liabilities, with corresponding right of use assets of the same amount adjusted for prepaid/deferred rent, unamortized initial direct costs and potential impairment of right of use assets based on the present value of the remaining minimum rental payments. These assets and liabilities are expected to represent less than 1% of the Company’s total assets and total liabilities, and the Company does not expect the adoption to have a material impact on its consolidated financial statements.

2. Segment Information

MetLife is organized into five segments: U.S.; Asia; Latin America; EMEA; and MetLife Holdings. In addition, the Company reports certain of its results of operations in Corporate & Other.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

2. Segment Information (continued)

U.S.

The U.S. segment offers a broad range of protection products and services aimed at serving the financial needs of customers throughout their lives. These products are sold to corporations and their respective employees, other institutions and their respective members, as well as individuals. The U.S. segment is organized into three businesses: Group Benefits, Retirement and Income Solutions (“RIS”) and Property & Casualty.

The Group Benefits business offers insurance products and services which include life, dental, group short- and long-term disability, individual disability, accidental death and dismemberment, vision and accident & health coverages, as well as prepaid legal plans. This business also sells administrative services-only arrangements to some employers.

The RIS business offers a broad range of annuity and investment products, including stable value and pension risk transfer products, institutional income annuities, tort settlements, capital market investment products, as well as postretirement benefits and company-, bank- or trust-owned life insurance.

The Property & Casualty business offers personal and commercial lines of property and casualty insurance, including private passenger automobile, homeowners’ and personal excess liability insurance. In addition, Property & Casualty offers small business owners property, liability and business interruption insurance.

Asia

The Asia segment offers a broad range of products to both individuals and corporations, as well as other institutions and their respective employees, which include whole and term life, endowments, universal and variable life, accident & health insurance and fixed and variable annuities.

Latin America

The Latin America segment offers a broad range of products to both individuals and corporations, as well as other institutions and their respective employees, which include life insurance, retirement and savings products, accident & health insurance and credit insurance.

EMEA

The EMEA segment offers a broad range of products to both individuals and corporations, as well as other institutions and their respective employees, which include life insurance, accident & health insurance, retirement and savings products and credit insurance.

MetLife Holdings

The MetLife Holdings segment consists of operations relating to products and businesses no longer actively marketed by the Company in the United States, such as variable, universal, term and whole life insurance, variable, fixed and index-linked annuities, long-term care insurance, as well as the assumed variable annuity guarantees from the Company’s former operating joint venture in Japan.

Corporate & Other

Corporate & Other contains the excess capital, as well as certain charges and activities, not allocated to the segments, including external integration and disposition costs, internal resource costs for associates committed to acquisitions and dispositions, enterprise-wide strategic initiative restructuring charges and various start-up businesses (including the investment management business through which the Company offers fee-based investment management services to institutional clients). Additionally, Corporate & Other includes run-off businesses such as the direct to consumer portion of the U.S. Direct business. Corporate & Other also includes interest expense related to the majority of the Company’s outstanding debt, as well as expenses associated with certain legal proceedings and income tax audit issues. In addition, Corporate & Other includes the elimination of intersegment amounts, which generally relate to affiliated reinsurance and intersegment loans, which bear interest rates commensurate with related borrowings.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

2. Segment Information (continued)

Financial Measures and Segment Accounting Policies

Adjusted earnings is used by management to evaluate performance and allocate resources. Consistent with GAAP guidance for segment reporting, adjusted earnings is also the Company's GAAP measure of segment performance and is reported below. Adjusted earnings should not be viewed as a substitute for income (loss) from continuing operations, net of income tax. The Company believes the presentation of adjusted earnings, as the Company measures it for management purposes, enhances the understanding of its performance by highlighting the results of operations and the underlying profitability drivers of the business.

Adjusted earnings is defined as adjusted revenues less adjusted expenses, net of income tax.

The financial measures of adjusted revenues and adjusted expenses focus on the Company's primary businesses principally by excluding the impact of market volatility, which could distort trends, and revenues and costs related to non-core products and certain entities required to be consolidated under GAAP. Also, these measures exclude results of discontinued operations under GAAP and other businesses that have been or will be sold or exited by MetLife but do not meet the discontinued operations criteria under GAAP and are referred to as divested businesses. Divested businesses also includes the net impact of transactions with exited businesses that have been eliminated in consolidation under GAAP and costs relating to businesses that have been or will be sold or exited by MetLife that do not meet the criteria to be included in results of discontinued operations under GAAP. Adjusted revenues also excludes net investment gains (losses) and net derivative gains (losses). Adjusted expenses also excludes goodwill impairments.

The following additional adjustments are made to revenues, in the line items indicated, in calculating adjusted revenues:

Universal life and investment-type product policy fees excludes the amortization of unearned revenue related to net investment gains (losses) and net derivative gains (losses) and certain variable annuity guaranteed minimum income benefits ("GMIBs") fees ("GMIB fees");

Net investment income: (i) includes earned income on derivatives and amortization of premium on derivatives that are hedges of investments or that are used to replicate certain investments, but do not qualify for hedge accounting treatment, (ii) excludes post-tax adjusted earnings adjustments relating to insurance joint ventures accounted for under the equity method, (iii) excludes certain amounts related to contractholder-directed unit-linked investments, (iv) excludes certain amounts related to securitization entities that are VIEs consolidated under GAAP and (v) includes distributions of profits from certain other limited partnership interests that were previously accounted for under the cost method, but are now accounted for at estimated fair value, where the change in estimated fair value is recognized in net investment gains (losses) for GAAP; and

Other revenues is adjusted for settlements of foreign currency earnings hedges and excludes fees received in association with services provided under transition service agreements ("TSA fees").

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

The following additional adjustments are made to expenses, in the line items indicated, in calculating adjusted expenses:

Policyholder benefits and claims and policyholder dividends excludes: (i) changes in the policyholder dividend obligation related to net investment gains (losses) and net derivative gains (losses), (ii) inflation-indexed benefit adjustments associated with contracts backed by inflation-indexed investments and amounts associated with periodic crediting rate adjustments based on the total return of a contractually referenced pool of assets and other pass-through adjustments, (iii) benefits and hedging costs related to GMIBs (“GMIB costs”) and (iv) market value adjustments associated with surrenders or terminations of contracts (“Market value adjustments”);

Interest credited to policyholder account balances includes adjustments for earned income on derivatives and amortization of premium on derivatives that are hedges of policyholder account balances but do not qualify for hedge accounting treatment and excludes amounts related to net investment income earned on contractholder-directed unit-linked investments;

Amortization of DAC and value of business acquired (“VOBA”) excludes amounts related to: (i) net investment gains (losses) and net derivative gains (losses), (ii) GMIB fees and GMIB costs and (iii) Market value adjustments;

Amortization of negative VOBA excludes amounts related to Market value adjustments;

Interest expense on debt excludes certain amounts related to securitization entities that are VIEs consolidated under GAAP; and

Other expenses excludes costs related to: (i) noncontrolling interests, (ii) implementation of new insurance regulatory requirements and (iii) acquisition, integration and other costs. Other expenses includes TSA fees.

Adjusted earnings also excludes the recognition of certain contingent assets and liabilities that could not be recognized at acquisition or adjusted for during the measurement period under GAAP business combination accounting guidance. The tax impact of the adjustments mentioned above are calculated net of the U.S. or foreign statutory tax rate, which could differ from the Company’s effective tax rate. Additionally, the provision for income tax (expense) benefit also includes the impact related to the timing of certain tax credits, as well as certain tax reforms.

Set forth in the tables below is certain financial information with respect to the Company’s segments, as well as Corporate & Other, for the three months and nine months ended September 30, 2018 and 2017. The segment accounting policies are the same as those used to prepare the Company’s consolidated financial statements, except for adjusted earnings adjustments as defined above. In addition, segment accounting policies include the method of capital allocation described below.

Economic capital is an internally developed risk capital model, the purpose of which is to measure the risk in the business and to provide a basis upon which capital is deployed. The economic capital model accounts for the unique and specific nature of the risks inherent in the Company’s business.

The Company’s economic capital model, coupled with considerations of local capital requirements, aligns segment allocated equity with emerging standards and consistent risk principles. The model applies statistics-based risk evaluation principles to the material risks to which the Company is exposed. These consistent risk principles include calibrating required economic capital shock factors to a specific confidence level and time horizon while applying an industry standard method for the inclusion of diversification benefits among risk types. The Company’s management is responsible for the ongoing production and enhancement of the economic capital model and reviews its approach periodically to ensure that it remains consistent with emerging industry practice standards.

Segment net investment income is credited or charged based on the level of allocated equity; however, changes in allocated equity do not impact the Company’s consolidated net investment income, income (loss) from continuing operations, net of income tax, or adjusted earnings.

Net investment income is based upon the actual results of each segment’s specifically identifiable investment portfolios adjusted for allocated equity. Other costs are allocated to each of the segments based upon: (i) a review of the nature of such costs; (ii) time studies analyzing the amount of employee compensation costs incurred by each segment; and (iii) cost estimates included in the Company’s product pricing.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

Three Months Ended September 30, 2018	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total	Adjustments	Total Consolidated
	(In millions)								
<b>Revenues</b>									
Premiums	\$6,431	\$1,689	\$692	\$514	\$949	\$(33)	\$10,242	\$—	\$10,242
Universal life and investment-type product policy fees	252	428	229	105	286	—	1,300	43	1,343
Net investment income	1,787	830	339	73	1,375	58	4,462	24	4,486
Other revenues	206	12	7	15	70	86	396	83	479
Net investment gains (losses)	—	—	—	—	—	—	—	117	117
Net derivative gains (losses)	—	—	—	—	—	—	—	(378)	(378)
<b>Total revenues</b>	<b>8,676</b>	<b>2,959</b>	<b>1,267</b>	<b>707</b>	<b>2,680</b>	<b>111</b>	<b>16,400</b>	<b>(111)</b>	<b>16,289</b>
<b>Expenses</b>									
Policyholder benefits and claims and policyholder dividends	6,219	1,354	670	281	1,766	(38)	10,252	155	10,407
Interest credited to policyholder account balances	457	381	102	24	238	—	1,202	132	1,334
Capitalization of DAC	(116)	(478)	(97)	(109)	(8)	(2)	(810)	—	(810)
Amortization of DAC and VOBA	128	366	5	110	13	2	624	108	732
Amortization of negative VOBA	—	(4)	(1)	(2)	—	—	(7)	—	(7)
Interest expense on debt	2	—	2	—	2	246	252	15	267
Other expenses	982	943	351	333	264	314	3,187	100	3,287
<b>Total expenses</b>	<b>7,672</b>	<b>2,562</b>	<b>1,032</b>	<b>637</b>	<b>2,275</b>	<b>522</b>	<b>14,700</b>	<b>510</b>	<b>15,210</b>
Provision for income tax expense (benefit)	209	131	65	15	78	(206)	292	(128)	164
<b>Adjusted earnings</b>	<b>\$795</b>	<b>\$266</b>	<b>\$170</b>	<b>\$55</b>	<b>\$327</b>	<b>\$(205)</b>	<b>1,408</b>		
<b>Adjustments to:</b>									
Total revenues							(111)		
Total expenses							(510)		
Provision for income tax (expense) benefit							128		
<b>Income (loss) from continuing operations, net of income tax</b>							<b>\$915</b>		<b>\$915</b>



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

Three Months Ended September 30, 2017	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total	Adjustments	Total Consolidated
	(In millions)								
<b>Revenues</b>									
Premiums	\$6,987	\$1,696	\$701	\$527	\$989	\$13	\$10,913	\$ (37 )	\$10,876
Universal life and investment-type product policy fees	247	458	229	109	349	—	1,392	36	1,428
Net investment income	1,602	762	299	77	1,390	26	4,156	139	4,295
Other revenues	197	11	7	(2 )	37	65	315	(14 )	301
Net investment gains (losses)	—	—	—	—	—	—	—	(606 )	(606 )
Net derivative gains (losses)	—	—	—	—	—	—	—	(123 )	(123 )
<b>Total revenues</b>	<b>9,033</b>	<b>2,927</b>	<b>1,236</b>	<b>711</b>	<b>2,765</b>	<b>104</b>	<b>16,776</b>	<b>(605 )</b>	<b>16,171</b>
<b>Expenses</b>									
Policyholder benefits and claims and policyholder dividends	6,916	1,223	640	282	1,732	7	10,800	230	11,030
Interest credited to policyholder account balances	376	349	99	26	255	—	1,105	233	1,338
Capitalization of DAC	(126 )	(420 )	(94 )	(109 )	(14 )	(2 )	(765 )	4	(761 )
Amortization of DAC and VOBA	118	424	—	78	(70 )	3	553	73	626
Amortization of negative VOBA	—	(24 )	(1 )	(5 )	—	—	(30 )	(2 )	(32 )
Interest expense on debt	2	—	1	—	2	279	284	—	284
Other expenses	933	905	377	347	322	237	3,121	80	3,201
<b>Total expenses</b>	<b>8,219</b>	<b>2,457</b>	<b>1,022</b>	<b>619</b>	<b>2,227</b>	<b>524</b>	<b>15,068</b>	<b>618</b>	<b>15,686</b>
Provision for income tax expense (benefit)	275	156	51	21	174	(90 )	587	(985 )	(398 )
<b>Adjusted earnings</b>	<b>\$539</b>	<b>\$314</b>	<b>\$163</b>	<b>\$71</b>	<b>\$364</b>	<b>\$(330 )</b>	<b>1,121</b>		
Adjustments to:									
Total revenues							(605 )		
Total expenses							(618 )		
Provision for income tax (expense) benefit							985		
<b>Income (loss) from continuing operations, net of income tax</b>							<b>\$883</b>		<b>\$883</b>

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

Nine Months Ended September 30, 2018	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total	Adjustments	Total Consolidated
	(In millions)								
Revenues									
Premiums	\$22,950	\$5,091	\$2,079	\$1,611	\$2,856	\$(14 )	\$34,573	\$ —	\$34,573
Universal life and investment-type product policy fees	772	1,221	786	324	901	—	4,004	101	4,105
Net investment income	5,168	2,464	942	221	4,056	157	13,008	(304)	12,704
Other revenues	613	40	24	51	205	246	1,179	249	1,428
Net investment gains (losses)	—	—	—	—	—	—	—	(443)	(443 )
Net derivative gains (losses)	—	—	—	—	—	—	—	(88)	(88 )
Total revenues	29,503	8,816	3,831	2,207	8,018	389	52,764	(485)	52,279
Expenses									
Policyholder benefits and claims and policyholder dividends	22,590	3,934	1,976	861	5,022	(38 )	34,345	252	34,597
Interest credited to policyholder account balances	1,303	1,094	295	75	709	—	3,476	51	3,527
Capitalization of DAC	(336 )	(1,438 )	(282 )	(348 )	(28 )	(7 )	(2,439 )	(1 )	(2,440 )
Amortization of DAC and VOBA	357	993	136	324	214	5	2,029	103	2,132
Amortization of negative VOBA	—	(31 )	(1 )	(12 )	—	—	(44 )	(1 )	(45 )
Interest expense on debt	8	—	5	—	6	798	817	45	862
Other expenses	2,908	2,871	1,052	1,023	815	805	9,474	336	9,810
Total expenses	26,830	7,423	3,181	1,923	6,738	1,563	47,658	785	48,443
Provision for income tax expense (benefit)	554	437	195	62	248	(599 )	897	(127)	770
Adjusted earnings	\$2,119	\$956	\$455	\$222	\$1,032	\$(575 )	4,209		
Adjustments to:									
Total revenues							(485 )		
Total expenses							(785 )		
Provision for income tax (expense) benefit							127		
Income (loss) from continuing operations, net of income tax							\$3,066		\$3,066

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

Nine Months Ended September 30, 2017	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total	Adjustments	Total Consolidated
	(In millions)								
Revenues									
Premiums	\$18,049	\$5,063	\$1,993	\$1,534	\$3,070	\$59	\$29,768	\$(347)	\$29,421
Universal life and investment-type product policy fees	763	1,199	764	296	1,056	—	4,078	74	4,152
Net investment income	4,789	2,193	891	229	4,232	107	12,441	468	12,909
Other revenues	600	32	24	43	170	185	1,054	(119)	935
Net investment gains (losses)	—	—	—	—	—	—	—	(414)	(414)
Net derivative gains (losses)	—	—	—	—	—	—	—	(535)	(535)
Total revenues	24,201	8,487	3,672	2,102	8,528	351	47,341	(873)	46,468
Expenses									
Policyholder benefits and claims and policyholder dividends	18,047	3,785	1,869	821	5,182	33	29,737	206	29,943
Interest credited to policyholder account balances	1,086	1,003	275	75	767	1	3,207	874	4,081
Capitalization of DAC	(342)	(1,268)	(264)	(301)	(71)	(6)	(2,252)	34	(2,218)
Amortization of DAC and VOBA	346	1,005	146	260	143	5	1,905	40	1,945
Amortization of negative VOBA	—	(91)	(1)	(13)	—	—	(105)	(8)	(113)
Interest expense on debt	8	—	4	—	22	833	867	(16)	851
Other expenses	2,756	2,675	1,060	995	1,032	614	9,132	272	9,404
Total expenses	21,901	7,109	3,089	1,837	7,075	1,480	42,491	1,402	43,893
Provision for income tax expense (benefit)	771	459	123	47	465	(630)	1,235	(1,351)	(116)
Adjusted earnings	\$1,529	\$919	\$460	\$218	\$988	\$(499)	3,615		
Adjustments to:									
Total revenues							(873)		
Total expenses							(1,402)		
Provision for income tax (expense) benefit							1,351		
Income (loss) from continuing operations, net of income tax							\$2,691		\$2,691

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 2. Segment Information (continued)

The following table presents total assets with respect to the Company's segments, as well as Corporate & Other, at:

	September 30,	December 31,
	2018	2017
	(In millions)	
U.S.	\$251,231	\$ 255,428
Asia	142,033	136,928
Latin America	73,973	79,670
EMEA	29,024	30,500
MetLife Holdings	173,351	183,160
Corporate & Other	28,839	34,206
Total	\$698,451	\$ 719,892

Revenues derived from one U.S. segment customer were \$6.0 billion for the nine months ended September 30, 2018, which represented 15% of consolidated premiums, universal life and investment-type product policy fees and other revenues. The revenue was from a single premium received for a pension risk transfer. Revenues derived from any other customer did not exceed 10% of consolidated premiums, universal life and investment-type product policy fees and other revenues for the three months and nine months ended September 30, 2018 and 2017.

## 3. Dispositions

## Separation of Brighthouse

On August 4, 2017, MetLife, Inc. completed the separation of Brighthouse. MetLife, Inc. retained the remaining ownership interest of 22,996,436 shares, or 19.2%, of Brighthouse Financial, Inc. common stock outstanding and recognized its investment in Brighthouse Financial, Inc. common stock based on the NASDAQ reported market price. The Company elected to record the investment under the FVO as an observable measure of estimated fair value that is aligned with the Company's intent to divest of the retained shares as soon as practicable. Subsequent changes in estimated fair value of the investment were recorded to net investment gains (losses). See Note 6 for further information on net investment gains (losses). The estimated fair value of the Brighthouse Financial, Inc. common stock held by the Company ("FVO Brighthouse Common Stock") at December 31, 2017 was \$1.3 billion reported within contractholder-directed equity securities and fair value option securities ("FVO Securities") (collectively, "Unit-linked and FVO Securities").

In June 2018, the Company sold FVO Brighthouse Common Stock in exchange for \$944 million aggregate principal amount of MetLife, Inc. senior notes, which MetLife, Inc. canceled. The Company recorded \$327 million of mark-to-market and disposition losses on the FVO Brighthouse Common Stock to net investment gains (losses) for the nine months ended September 30, 2018. At September 30, 2018, the Company no longer held any shares of Brighthouse Financial, Inc. for its own account; however, certain insurance company separate accounts managed by the Company held shares of Brighthouse Financial, Inc. See Note 9 for further information on this transaction. See Note 3 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for further information regarding the Separation, including Separation-related agreements and ongoing transactions with Brighthouse.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

3. Dispositions (continued)

Agreements

In connection with the Separation, MetLife and Brighthouse entered into various agreements. See Note 3 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for further information regarding significant agreements.

Tax Agreements

Immediately prior to the Separation, MetLife entered into tax agreements with Brighthouse.

In accordance with the tax separation agreement, at both September 30, 2018 and December 31, 2017, the Company's current income tax receivable and corresponding payable to Brighthouse, reported in other liabilities, were \$726 million.

As part of the tax receivable agreement, MetLife Inc. has the right to receive future payments from Brighthouse for a tax asset that Brighthouse received as a result of restructuring prior to the Separation. Included in other assets at both September 30, 2018 and December 31, 2017, is a receivable from Brighthouse of \$333 million related to these future payments.

Ongoing Transactions with Brighthouse

The Company considered all of its continuing involvement with Brighthouse in determining whether to deconsolidate and present Brighthouse results as discontinued operations, including the agreements entered into between MetLife and Brighthouse and the ongoing transactions described below.

The Company entered into reinsurance, committed facility, structured settlement, and contract administrative services transactions with Brighthouse in the normal course of business and such transactions will continue based upon business needs. In addition, prior to and in connection with the Separation, the Company entered into various other agreements, including investment management, transition services and employee matters agreements, with Brighthouse for services necessary for both the Company and Brighthouse to conduct their activities. Intercompany transactions prior to the Separation between the Company and Brighthouse are eliminated and excluded from the interim condensed consolidated statements of operations and comprehensive income (loss). Transactions between the Company and Brighthouse that continue after the Separation are included on the Company's interim condensed consolidated statements of operations and comprehensive income (loss) and interim condensed consolidated balance sheets.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 3. Dispositions (continued)

## Reinsurance

The Company entered into reinsurance transactions with Brighthouse in the normal course of business and such transactions will continue based upon business needs. Information regarding the significant effects of reinsurance transactions with Brighthouse was as follows:

	Included on Interim Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)			Excluded from Interim Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)	
	Three Months Ended September 30,	Nine Months Ended September 30,	Three and Nine Months Ended September 30,	Three Months Ended September 30,	Nine Months Ended September 30,
	2018 (1)	2018 (1)	2017 (1)	2017 (2)	2017 (2)
	(In millions)				
Premiums					
Reinsurance assumed	\$96	\$ 297	\$ 70	\$ 36	\$ 248
Reinsurance ceded	(3 )	(9 )	(2 )	1	(7 )
Net premiums	\$93	\$ 288	\$ 68	\$ 37	\$ 241
Universal life and investment-type product policy fees					
Reinsurance assumed	\$(4 )	\$(6 )	\$(1 )	\$(1 )	\$(6 )
Reinsurance ceded	(23 )	(67 )	(22 )	(8 )	(55 )
Net universal life and investment-type product policy fees	\$(27)	\$(73 )	\$(23 )	\$(9 )	\$(61 )
Policyholder benefits and claims					
Reinsurance assumed	\$81	\$ 243	\$ 55	\$ 30	\$ 196
Reinsurance ceded	(5 )	(15 )	(6 )	(3 )	(16 )
Net policyholder benefits and claims	\$76	\$ 228	\$ 49	\$ 27	\$ 180
Interest credited to policyholder account balances					
Reinsurance assumed	\$3	\$ 10	\$ 3	\$ 1	\$ 10
Reinsurance ceded	(18 )	(53 )	(12 )	(6 )	(42 )
Net interest credited to policyholder account balances	\$(15)	\$(43 )	\$(9 )	\$(5 )	\$(32 )
Other expenses					
Reinsurance assumed	\$15	\$ 80	\$ 6	\$ 4	\$ 10
Reinsurance ceded	(4 )	(22 )	(7 )	(3 )	(28 )
Net other expenses	\$11	\$ 58	\$ (1 )	\$ 1	\$ (18 )

(1)Includes transactions after the Separation.

(2)Includes transactions prior to the Separation.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 3. Dispositions (continued)

## Transition Services

In connection with the Separation, the Company entered into a transition services agreement with Brighthouse for services necessary for Brighthouse to conduct its activities. During the three months and nine months ended September 30, 2018, the Company recognized \$78 million and \$235 million, respectively, as other revenue for transitional services provided under the agreement. After the Separation, during the three months ended September 30, 2017, the Company recognized \$60 million as a reduction to other expenses for transitional services provided under the agreement. Prior to the Separation, during the three months and nine months ended September 30, 2017, the Company charged Brighthouse \$27 million and \$191 million, respectively, for services provided under the agreement, which were intercompany transactions and eliminated and excluded from the interim condensed consolidated statements of operations and comprehensive income (loss).

## Discontinued Operations

The following table presents the amounts related to the operations and loss on disposal of Brighthouse that have been reflected in discontinued operations:

	Three Months Ended September 2017	Nine Months Ended September 30, 2017	
	(In millions)		
Revenues			
Premiums	\$ 116	\$ 820	
Universal life and investment-type product policy fees	320	2,201	
Net investment income	243	1,783	
Other revenues	27	150	
Total net investment gains (losses)	1	(50	)
Net derivative gains (losses)	(171	) (1,061	)
Total revenues	536	3,843	
Expenses			
Policyholder benefits and claims	335	2,217	
Interest credited to policyholder account balances	89	620	
Policyholder dividends	2	16	
Other expenses	108	853	
Total expenses	534	3,706	
Income (loss) from discontinued operations before provision for income tax and loss on disposal of discontinued operations	2	137	
Provision for income tax expense (benefit)	(10	) (48	)
Income (loss) from discontinued operations before loss on disposal of discontinued operations, net of income tax	12	185	
Transaction costs associated with the Separation, net of income tax	(25	) (216	)
Tax charges associated with the Separation	(955	) (955	)
Income (loss) on disposal of discontinued operations, net of income tax	(980	) (1,171	)
Income (loss) from discontinued operations, net of income tax	\$(968)	\$ (986	)





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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 3. Dispositions (continued)

In the interim condensed consolidated statements of cash flows, the cash flows from discontinued operations are not separately classified. The following table presents selected financial information regarding cash flows of the discontinued operations.

Nine Months  
Ended  
September 30,  
2017  
(In millions)

Net cash provided by (used in):

Operating activities	\$ 1,329
Investing activities	\$ (2,732 )
Financing activities	\$ (367 )

Disposition of MetLife Afore, S.A. de C.V.

On February 20, 2018, the Company completed the sale of MetLife Afore, S.A. de C.V., its pension fund management business in Mexico. See Note 3 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for further information.

## 4. Insurance

## Guarantees

As discussed in Notes 1 and 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report, the Company issues directly and assumes through reinsurance variable annuity products with guaranteed minimum benefits. Guaranteed minimum accumulation benefits (“GMABs”) and the portions of both non-life-contingent guaranteed minimum withdrawal benefits (“GMWBs”) and the GMIBs that do not require annuitization are accounted for as embedded derivatives in policyholder account balances and are further discussed in Note 7.

The Company also issues other annuity contracts that apply a lower rate on funds deposited if the contractholder elects to surrender the contract for cash and a higher rate if the contractholder elects to annuitize. These guarantees include benefits that are payable in the event of death, maturity or at annuitization. Certain other annuity contracts contain guaranteed annuitization benefits that may be above what would be provided by the current account value of the contract. Additionally, the Company issues universal and variable life contracts where the Company contractually guarantees to the contractholder a secondary guarantee or a guaranteed paid-up benefit.

Information regarding the Company’s guarantee exposure, which includes direct and assumed business, but excludes offsets from hedging or ceded reinsurance, if any, was as follows at:

	September 30, 2018		December 31, 2017	
	In the Event of Death	At Annuitization	In the Event of Death	At Annuitization
	(Dollars in millions)			
<b>Annuity Contracts:</b>				
<b>Variable Annuity Guarantees:</b>				
Total account value (1), (2), (3)	\$62,618	\$ 24,387	\$66,724	\$ 26,223
Separate account value (1)	\$42,881	\$ 22,550	\$45,431	\$ 24,336
Net amount at risk (2)	\$1,516 (4)	\$ 465 (5)	\$1,238 (4)	\$ 525 (5)
Average attained age of contractholders	66 years	66 years	65 years	65 years
<b>Other Annuity Guarantees:</b>				
Total account value (1), (3)	N/A	\$ 1,305	N/A	\$ 1,424
Net amount at risk	N/A	\$ 550 (6)	N/A	\$ 569 (6)

Average attained age of contractholders N/A 50 years N/A 50 years

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 4. Insurance (continued)

	September 30, 2018		December 31, 2017	
	Secondary	Paid-Up	Secondary	Paid-Up
	Guarantees	Guarantees	Guarantees	Guarantees
	(Dollars in millions)			
Universal and Variable Life Contracts:				
Total account value (1), (3)	\$9,254	\$ 3,102	\$9,036	\$ 3,207
Net amount at risk (7)	\$64,312	\$ 15,804	\$66,956	\$ 16,615
Average attained age of policyholders	57 years	64 years	56 years	63 years

- (1) The Company's annuity and life contracts with guarantees may offer more than one type of guarantee in each contract. Therefore, the amounts listed above may not be mutually exclusive.
- (2) Includes amounts, which are not reported on the interim condensed consolidated balance sheets, from assumed variable annuity guarantees from the Company's former operating joint venture in Japan.
- (3) Includes the contractholder's investments in the general account and separate account, if applicable.  
Defined as the death benefit less the total account value, as of the balance sheet date. It represents the amount of the claim that the Company would incur if death claims were filed on all contracts on the balance sheet date and
- (4) includes any additional contractual claims associated with riders purchased to assist with covering income taxes payable upon death.  
Defined as the amount (if any) that would be required to be added to the total account value to purchase a lifetime income stream, based on current annuity rates, equal to the minimum amount provided under the guaranteed benefit. This amount represents the Company's potential economic exposure to such guarantees in the event all contractholders were to annuitize on the balance sheet date, even though the contracts contain terms that allow annuitization of the guaranteed amount only after the 10th anniversary of the contract, which not all contractholders have achieved.
- (5) Defined as either the excess of the upper tier, adjusted for a profit margin, less the lower tier, as of the balance sheet date or the amount (if any) that would be required to be added to the total account value to purchase a
- (6) lifetime income stream, based on current annuity rates, equal to the minimum amount provided under the guaranteed benefit. These amounts represent the Company's potential economic exposure to such guarantees in the event all contractholders were to annuitize on the balance sheet date.
- (7) Defined as the guarantee amount less the account value, as of the balance sheet date. It represents the amount of the claim that the Company would incur if death claims were filed on all contracts on the balance sheet date.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 4. Insurance (continued)

## Liabilities for Unpaid Claims and Claim Expenses

## Rollforward of Claims and Claim Adjustment Expenses

Information regarding the liabilities for unpaid claims and claim adjustment expenses was as follows:

	Nine Months Ended September 30,	
	2018	2017 (1)
	(In millions)	
Balance, beginning of period	\$17,094	\$16,157
Less: Reinsurance recoverables	2,198	1,968
Net balance, beginning of period	14,896	14,189
Incurred related to:		
Current period	18,386	18,702
Prior periods (2)	256	156
Total incurred	18,642	18,858
Paid related to:		
Current period	(13,033 )	(14,106 )
Prior periods	(4,896 )	(4,014 )
Total paid	(17,929 )	(18,120 )
Net balance, end of period	15,609	14,927
Add: Reinsurance recoverables	2,189	2,212
Balance, end of period (included in future policy benefits and other policy-related balances)	\$17,798	\$17,139

As discussed in Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report, at December 31, 2016, the Net balance decreased and the Reinsurance recoverables increased from those amounts previously reported. As a result, at September 30, 2017, Total incurred increased by \$734 million. Additionally, at (1) September 30, 2017, the Net balance decreased by \$87 million and the Reinsurance recoverables decreased by \$1 million from those amounts previously reported in MetLife, Inc.'s Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2017. The adjustments to the Net balance, at September 30, 2017, are primarily to correct for improper classifications between components of the rollforward.

During the nine months ended September 30, 2018, claims and claim adjustment expenses associated with prior (2) years increased due to events incurred in prior years but reported during current year. During the nine months ended September 30, 2017, claims and claim adjustment expenses associated with prior periods increased due to unfavorable claims experience.

## 5. Closed Block

On April 7, 2000 (the "Demutualization Date"), Metropolitan Life Insurance Company ("MLIC") converted from a mutual life insurance company to a stock life insurance company and became a wholly-owned subsidiary of MetLife, Inc. The conversion was pursuant to an order by the New York Superintendent of Insurance approving MLIC's plan of reorganization, as amended (the "Plan of Reorganization"). On the Demutualization Date, MLIC established a closed block for the benefit of holders of certain individual life insurance policies of MLIC.

Experience within the closed block, in particular mortality and investment yields, as well as realized and unrealized gains and losses, directly impact the policyholder dividend obligation. Amortization of the closed block DAC, which resides outside of the closed block, is based upon cumulative actual and expected earnings within the closed block.

Accordingly, the Company's net income continues to be sensitive to the actual performance of the closed block.

Closed block assets, liabilities, revenues and expenses are combined on a line-by-line basis with the assets, liabilities, revenues and expenses outside the closed block based on the nature of the particular item.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 5. Closed Block (continued)

Information regarding the closed block liabilities and assets designated to the closed block was as follows at:

	September 30, 2018	December 31, 2017
	(In millions)	
Closed Block Liabilities		
Future policy benefits	\$40,106	\$ 40,463
Other policy-related balances	287	222
Policyholder dividends payable	476	437
Policyholder dividend obligation	456	2,121
Deferred income tax liability	2	—
Other liabilities	472	212
Total closed block liabilities	41,799	43,455
Assets Designated to the Closed Block		
Investments:		
Fixed maturity securities available-for-sale, at estimated fair value	25,803	27,904
Equity securities, at estimated fair value	66	70
Mortgage loans	6,474	5,878
Policy loans	4,524	4,548
Real estate and real estate joint ventures	580	613
Other invested assets	686	731
Total investments	38,133	39,744
Accrued investment income	469	477
Premiums, reinsurance and other receivables; cash and cash equivalents	92	14
Current income tax recoverable	52	35
Deferred income tax asset	—	36
Total assets designated to the closed block	38,746	40,306
Excess of closed block liabilities over assets designated to the closed block	3,053	3,149
Amounts included in AOCI:		
Unrealized investment gains (losses), net of income tax	1,110	1,863
Unrealized gains (losses) on derivatives, net of income tax	17	(7 )
Allocated to policyholder dividend obligation, net of income tax	(360 )	(1,379 )
Total amounts included in AOCI	767	477
Maximum future earnings to be recognized from closed block assets and liabilities	\$3,820	\$ 3,626

See Note 1 for discussion of new accounting guidance related to U.S. Tax Reform.

Information regarding the closed block policyholder dividend obligation was as follows:

	Nine Months Ended September 30, 2018	Year Ended December 31, 2017
	(In millions)	
Balance, beginning of period	\$2,121	\$ 1,931
Change in unrealized investment and derivative gains (losses)	(1,665 )	190
Balance, end of period	\$456	\$ 2,121





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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 5. Closed Block (continued)

Information regarding the closed block revenues and expenses was as follows:

	Three Months Ended September 30, 2018 2017		Nine Months Ended September 30, 2018 2017	
	(In millions)			
Revenues				
Premiums	\$405	\$413	\$1,202	\$1,247
Net investment income	443	450	1,318	1,368
Net investment gains (losses)	7	—	(46 )	(10 )
Net derivative gains (losses)	2	(6 )	12	(24 )
Total revenues	857	857	2,486	2,581
Expenses				
Policyholder benefits and claims	641	591	1,808	1,773
Policyholder dividends	241	235	723	732
Other expenses	29	30	88	94
Total expenses	911	856	2,619	2,599
Revenues, net of expenses before provision for income tax expense (benefit)	(54 )	1	(133 )	(18 )
Provision for income tax expense (benefit)	(12 )	—	(29 )	(8 )
Revenues, net of expenses and provision for income tax expense (benefit)	\$(42 )	\$1	\$(104 )	\$(10 )
MLIC charges the closed block with federal income taxes, state and local premium taxes and other state or local taxes, as well as investment management expenses relating to the closed block as provided in the Plan of Reorganization. MLIC also charges the closed block for expenses of maintaining the policies included in the closed block.				

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments

## Fixed Maturity Securities AFS

## Fixed Maturity Securities AFS by Sector

The following table presents the fixed maturity securities AFS by sector. Redeemable preferred stock is reported within U.S. corporate and foreign corporate fixed maturity securities AFS. Included within fixed maturity securities AFS are structured securities including residential mortgage-backed securities (“RMBS”), asset-backed securities (“ABS”) and commercial mortgage-backed securities (“CMBS”) (collectively, “Structured Securities”).

	September 30, 2018				December 31, 2017					
	Amortized Cost	Gross Unrealized		Estimated Fair Value	Amortized Cost	Gross Unrealized		Estimated Fair Value		
		Gains	Temporary Losses	OTTI Losses (1)		Gains	Temporary Losses	OTTI Losses (1)		
	(In millions)									
Fixed maturity securities AFS:										
U.S. corporate	\$81,326	\$4,045	\$ 1,576	\$—	\$83,795	\$76,005	\$7,007	\$ 351	\$—	\$82,661
Foreign government	55,502	5,534	564	—	60,472	55,351	6,495	312	—	61,534
Foreign corporate	53,097	2,509	1,386	—	54,220	52,409	3,836	676	—	55,569
U.S. government and agency	43,830	2,506	764	—	45,572	43,446	4,227	279	—	47,394
RMBS	27,427	881	687	(37 )	27,658	27,846	1,145	233	(42 )	28,800
State and political subdivision	10,548	1,147	95	—	11,600	10,752	1,717	13	1	12,455
ABS	12,775	79	38	1	12,815	12,213	116	39	(1 )	12,291
CMBS	8,763	86	141	—	8,708	8,047	222	42	—	8,227
Total fixed maturity securities AFS	\$293,268	\$16,787	\$ 5,251	\$(36 )	\$304,840	\$286,069	\$24,765	\$ 1,945	\$(42 )	\$308,931

Noncredit OTTI losses included in AOCI in an unrealized gain position are due to increases in estimated fair value (1) subsequent to initial recognition of noncredit losses on such securities. See also “— Net Unrealized Investment Gains (Losses).”

The Company held non-income producing fixed maturity securities AFS with an estimated fair value of \$24 million and \$6 million, and unrealized gains (losses) of (\$1) million and (\$4) million, at September 30, 2018 and December 31, 2017, respectively.

## Maturities of Fixed Maturity Securities AFS

The amortized cost and estimated fair value of fixed maturity securities AFS, by contractual maturity date, were as follows at September 30, 2018:

	Due in One Year or Less	Due After One Year Through Five Years	Due After Five Years Through Ten Years	Due After Ten Years	Structured Securities	Total Fixed Maturity Securities AFS
	(In millions)					
Amortized cost	\$14,290	\$59,495	\$61,007	\$109,511	\$ 48,965	\$293,268
Estimated fair value	\$14,336	\$60,995	\$62,655	\$117,673	\$ 49,181	\$304,840

Actual maturities may differ from contractual maturities due to the exercise of call or prepayment options. Fixed maturity securities AFS not due at a single maturity date have been presented in the year of final contractual maturity. Structured Securities are shown separately, as they are not due at a single maturity.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Continuous Gross Unrealized Losses for Fixed Maturity Securities AFS by Sector

The following table presents the estimated fair value and gross unrealized losses of fixed maturity securities AFS in an unrealized loss position, aggregated by sector and by length of time that the securities have been in a continuous unrealized loss position at:

	September 30, 2018				December 31, 2017			
	Less than 12 Months		Equal to or Greater than 12 Months		Less than 12 Months		Equal to or Greater than 12 Months	
	Estimated Fair Value	Gross Unrealized Losses	Estimated Fair Value	Gross Unrealized Losses	Estimated Fair Value	Gross Unrealized Losses	Estimated Fair Value	Gross Unrealized Losses
	(Dollars in millions)							
Fixed maturity securities AFS:								
U.S. corporate	\$28,316	\$ 1,069	\$5,217	\$ 507	\$5,604	\$ 92	\$4,115	\$ 259
Foreign government	9,325	305	3,054	259	4,234	83	3,251	229
Foreign corporate	16,098	784	4,998	602	4,422	99	6,802	577
U.S. government and agency	20,235	252	5,982	512	18,273	93	3,560	186
RMBS	12,322	356	4,633	294	6,359	50	4,159	141
State and political subdivision	1,900	68	334	27	182	2	346	12
ABS	5,851	23	409	16	1,695	7	729	31
CMBS	4,532	86	682	55	1,174	9	413	33
Total fixed maturity securities AFS	\$98,579	\$ 2,943	\$25,309	\$ 2,272	\$41,943	\$ 435	\$23,375	\$ 1,468
Total number of securities in an unrealized loss position	6,790		2,159		2,598		1,955	

## Evaluation of AFS Securities for OTTI and Evaluating Temporarily Impaired AFS Securities

As described more fully in Notes 1 and 8 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report, the Company performs a regular evaluation of all investment classes for impairment, including fixed maturity securities AFS and perpetual hybrid securities, in accordance with its impairment policy, in order to evaluate whether such investments are other-than-temporarily impaired.

## Current Period Evaluation

Based on the Company's current evaluation of its AFS securities in an unrealized loss position in accordance with its impairment policy, and the Company's current intentions and assessments (as applicable to the type of security) about holding, selling and any requirements to sell these securities, the Company concluded that these securities were not other-than-temporarily impaired at September 30, 2018. Future OTTI will depend primarily on economic fundamentals, issuer performance (including changes in the present value of future cash flows expected to be collected), changes in credit ratings, collateral valuation, interest rates and credit spreads. If economic fundamentals deteriorate or if there are adverse changes in the above factors, OTTI may be incurred in upcoming periods.

Gross unrealized losses on fixed maturity securities AFS increased \$3.3 billion during the nine months ended September 30, 2018 to \$5.2 billion. The increase in gross unrealized losses for the nine months ended September 30, 2018 was primarily attributable to increases in interest rates, widening credit spreads and, to a lesser extent, the impact of weakening foreign currencies on non-functional currency denominated fixed maturity securities AFS.

At September 30, 2018, \$77 million of the total \$5.2 billion of gross unrealized losses were from 35 fixed maturity securities AFS with an unrealized loss position of 20% or more of amortized cost for six months or greater.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Investment Grade Fixed Maturity Securities AFS

Of the \$77 million of gross unrealized losses on fixed maturity securities AFS with an unrealized loss of 20% or more of amortized cost for six months or greater, \$15 million, or 19%, were related to gross unrealized losses on 13 investment grade fixed maturity securities AFS. Unrealized losses on investment grade fixed maturity securities AFS are principally related to widening credit spreads since purchase and, with respect to fixed-rate fixed maturity securities AFS, rising interest rates since purchase.

## Below Investment Grade Fixed Maturity Securities AFS

Of the \$77 million of gross unrealized losses on fixed maturity securities AFS with an unrealized loss of 20% or more of amortized cost for six months or greater, \$62 million, or 81%, were related to gross unrealized losses on 22 below investment grade fixed maturity securities AFS. Unrealized losses on below investment grade fixed maturity securities AFS are principally related to U.S. and foreign corporate securities (primarily industrial and utility securities) and CMBS and are the result of significantly wider credit spreads resulting from higher risk premiums since purchase, largely due to economic and market uncertainty. Management evaluates U.S. and foreign corporate securities based on factors such as expected cash flows and the financial condition and near-term and long-term prospects of the issuers and evaluates CMBS based on actual and projected cash flows after considering the quality of underlying collateral, expected prepayment speeds, current and forecasted loss severity, the payment terms of the underlying assets backing a particular security and the payment priority within the tranche structure of the security.

## Equity Securities

Equity securities are summarized as follows at:

	September 30, 2018	December 31, 2017
	Estimated Fair Value	Estimated Fair Value
	% of Total	% of Total

(Dollars in millions)

## Equity securities:

Common stock	\$1,063	71.9 %	\$2,035	81.0 %
Non-redeemable preferred stock	416	28.1	478	19.0
Total equity securities	\$1,479	100.0%	\$2,513	100.0%

In connection with the adoption of new guidance related to the recognition and measurement of financial instruments (see Note 1), effective January 1, 2018, the Company has reclassified its investment in common stock in regional banks of the Federal Home Loan Bank (“FHLB”) system from equity securities to other invested assets. These investments are carried at redemption value and are considered restricted investments until redeemed by the respective FHLB regional banks. The carrying value of these investments at December 31, 2017 was \$791 million.

## Unit-linked and FVO Securities

Unit-linked and FVO Securities are investments for which the FVO has been elected, or are otherwise required to be carried at estimated fair value, and include:

- contractholder-directed investments supporting unit-linked variable annuity type liabilities (“Unit-linked investments”) which do not qualify for presentation and reporting as separate account summary total assets and liabilities. These investments are primarily equity securities (including mutual funds) and, to a lesser extent, fixed maturity securities, short-term investments and cash and cash equivalents. The investment returns on these investments inure to contractholders and are offset by a corresponding change in policyholder account balances through interest credited to policyholder account balances;
- fixed maturity and equity securities held-for-investment by the general account to support asset and liability management strategies for certain insurance products and investments in certain separate accounts; and
- securities held by consolidated securitization entities.

At December 31, 2017, Unit-linked and FVO Securities also included FVO Brighthouse Common Stock (see Note 3).

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Mortgage Loans

## Mortgage Loans by Portfolio Segment

Mortgage loans are summarized as follows at:

	September 30, 2018		December 31, 2017	
	Carrying Value	% of Total	Carrying Value	% of Total
(Dollars in millions)				
Mortgage loans:				
Commercial	\$47,460	65.5 %	\$44,375	64.6 %
Agricultural	13,677	18.9	13,014	18.9
Residential	11,337	15.6	11,136	16.2
Subtotal (1)	72,474	100.0	68,525	99.7
Valuation allowances	(336 )	(0.5 )	(314 )	(0.5 )
Subtotal mortgage loans, net	72,138	99.5	68,211	99.2
Residential — FVO	323	0.5	520	0.8
Total mortgage loans, net	\$72,461	100.0 %	\$68,731	100.0 %

Purchases of mortgage loans, primarily residential mortgage loans, were \$724 million and \$1.7 billion for the three (1) months and nine months ended September 30, 2018, respectively, and \$411 million and \$1.9 billion for the three months and nine months ended September 30, 2017, respectively.

Information on commercial, agricultural and residential mortgage loans is presented in the tables below. Information on residential mortgage loans — FVO is presented in Note 8. The Company elects the FVO for certain residential mortgage loans that are managed on a total return basis.

The carrying value of foreclosed mortgage loans included in real estate and real estate joint ventures was \$43 million and \$48 million at September 30, 2018 and December 31, 2017, respectively.

## Mortgage Loans, Valuation Allowance and Impaired Loans by Portfolio Segment

Mortgage loans by portfolio segment, by method of evaluation of credit loss, impaired mortgage loans including those modified in a troubled debt restructuring, and the related valuation allowances, were as follows at:

	Evaluated Individually for Credit Losses				Evaluated Collectively for Credit Losses		Impaired Loans	
	Impaired Loans with a Valuation Allowance		Impaired Loans without a Valuation Allowance		Recorded Investment	Valuation Allowances	Carrying Value	
	Unpaid Principal Balance	Recorded Investment	Unpaid Principal Balance	Recorded Investment				
(In millions)								
September 30, 2018								
Commercial	\$ —	\$ —	\$ —	\$ —	\$ 47,460	\$ 232	\$ —	
Agricultural	13	13	2	111	110	13,554	40	121
Residential	—	—	—	420	377	10,960	62	377
Total	\$ 13	\$ 13	\$ 2	\$ 531	\$ 487	\$ 71,974	\$ 334	\$ 498
December 31, 2017								

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Commercial	\$—	\$ —	\$ —	\$ —	\$ —	\$44,375	\$ 214	\$ —
Agricultural	22	21	2	27	27	12,966	39	46
Residential	—	—	—	358	324	10,812	59	324
Total	\$22	\$ 21	\$ 2	\$385	\$ 351	\$68,153	\$ 312	\$ 370

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The average recorded investment for impaired commercial, agricultural and residential mortgage loans was \$0, \$124 million and \$370 million, respectively, for the three months ended September 30, 2018; and \$0, \$104 million and \$350 million, respectively, for the nine months ended September 30, 2018;

The average recorded investment for impaired commercial, agricultural and residential mortgage loans was \$0, \$31 million and \$297 million, respectively, for the three months ended September 30, 2017; and \$6 million, \$28 million and \$275 million, respectively, for the nine months ended September 30, 2017.

## Valuation Allowance Rollforward by Portfolio Segment

The changes in the valuation allowance, by portfolio segment, were as follows:

	Nine Months Ended September 30, 2018				2017			
	Commercial	Agricultural	Residential	Total	Commercial	Agricultural	Residential	Total
	(In millions)							
Balance, beginning of period	\$ 214	\$ 41	\$ 59	\$ 314	\$ 202	\$ 39	\$ 63	\$ 304
Provision (release)	18	1	9	28	11	4	10	25
Charge-offs, net of recoveries	—	—	(6 )	(6 )	—	(2 )	(11 )	(13 )
Balance, end of period	\$ 232	\$ 42	\$ 62	\$ 336	\$ 213	\$ 41	\$ 62	\$ 316

## Credit Quality of Commercial Mortgage Loans

The credit quality of commercial mortgage loans was as follows at:

	Recorded Investment Debt Service Coverage Ratios				% of Total	Estimated Fair Value	% of Total
	> 1.20x	1.00x - 1.20x	< 1.00x	Total			
	(Dollars in millions)						
September 30, 2018							
Loan-to-value ratios:							
Less than 65%	\$40,195	\$ 758	\$ 17	\$40,970	86.3 %	\$41,014	86.5 %
65% to 75%	4,732	381	69	5,182	10.9	5,152	10.9
76% to 80%	387	210	56	653	1.4	621	1.3
Greater than 80%	479	176	—	655	1.4	619	1.3
Total	\$45,793	\$ 1,525	\$ 142	\$47,460	100.0%	\$47,406	100.0%
December 31, 2017							
Loan-to-value ratios:							
Less than 65%	\$37,073	\$ 1,483	\$ 201	\$38,757	87.4 %	\$39,528	87.7 %
65% to 75%	4,183	98	119	4,400	9.9	4,408	9.8
76% to 80%	235	210	57	502	1.1	476	1.0
Greater than 80%	401	168	147	716	1.6	672	1.5
Total	\$41,892	\$ 1,959	\$ 524	\$44,375	100.0%	\$45,084	100.0%

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Credit Quality of Agricultural Mortgage Loans

The credit quality of agricultural mortgage loans was as follows at:

	September 30, 2018		December 31, 2017	
	Recorded	% of	Recorded	% of
	Investment	Investment	Investment	Investment
	total		total	
	(Dollars in millions)			
Loan-to-value ratios:				
Less than 65%	\$12,789	93.5 %	\$12,347	94.9 %
65% to 75%	851	6.2	618	4.7
76% to 80%	32	0.2	40	0.3
Greater than 80%	5	0.1	9	0.1
Total	\$13,677	100.0%	\$13,014	100.0%

The estimated fair value of agricultural mortgage loans was \$13.5 billion and \$13.1 billion at September 30, 2018 and December 31, 2017, respectively.

## Credit Quality of Residential Mortgage Loans

The credit quality of residential mortgage loans was as follows at:

	September 30, 2018		December 31, 2017	
	Recorded	% of	Recorded	% of
	Investment	Investment	Investment	Investment
	total		total	
	(Dollars in millions)			
Performance indicators:				
Performing	\$10,873	95.9 %	\$10,622	95.4 %
Nonperforming	464	4.1	514	4.6
Total	\$11,337	100.0%	\$11,136	100.0%

The estimated fair value of residential mortgage loans was \$11.6 billion at both September 30, 2018 and December 31, 2017.

## Past Due and Nonaccrual Mortgage Loans

The Company has a high quality, well performing mortgage loan portfolio, with 99% of all mortgage loans classified as performing at both September 30, 2018 and December 31, 2017. The Company defines delinquency consistent with industry practice, when mortgage loans are past due as follows: commercial and residential mortgage loans — 60 days and agricultural mortgage loans — 90 days. The past due and nonaccrual mortgage loans at recorded investment, prior to valuation allowances, by portfolio segment, were as follows at:

	Past Due		Greater than 90 Days Past Due and Still Accruing Interest		Nonaccrual	
	September 30, 2018	December 31, 2017	September 30, 2018	December 31, 2017	September 30, 2018	December 31, 2017
	(In millions)					
Commercial	\$1	\$ —	\$ —	\$ —	\$ 176	\$ —
Agricultural	200	134	105	125	106	36
Residential	464	514	39	33	425	481
Total	\$665	\$ 648	\$ 144	\$ 158	\$ 707	\$ 517

Cash Equivalents

The carrying value of cash equivalents, which includes securities and other investments with an original or remaining maturity of three months or less at the time of purchase, was \$6.5 billion and \$6.2 billion at September 30, 2018 and December 31, 2017, respectively.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Net Unrealized Investment Gains (Losses)

Unrealized investment gains (losses) on fixed maturity securities AFS and equity securities and the effect on DAC, VOBA, deferred sales inducements (“DSI”), future policy benefits and the policyholder dividend obligation, that would result from the realization of the unrealized gains (losses), are included in net unrealized investment gains (losses) in AOCI.

The components of net unrealized investment gains (losses), included in AOCI, were as follows:

	September 30, 2018	December 31, 2017
	(In millions)	
Fixed maturity securities AFS	\$ 11,381	\$ 22,645
Fixed maturity securities AFS with noncredit OTTI losses included in AOCI	36	41
Total fixed maturity securities AFS	11,417	22,686
Equity securities	—	421
Derivatives	1,256	1,453
Other	85	46
Subtotal	12,758	24,606
Amounts allocated from:		
Future policy benefits	(102 )	(77 )
DAC and VOBA related to noncredit OTTI losses recognized in AOCI	(1 )	—
DAC, VOBA and DSI	(942 )	(1,768 )
Policyholder dividend obligation	(456 )	(2,121 )
Subtotal	(1,501 )	(3,966 )
Deferred income tax benefit (expense) related to noncredit OTTI losses recognized in AOCI	(5 )	(12 )
Deferred income tax benefit (expense)	(3,297 )	(6,958 )
Net unrealized investment gains (losses)	7,955	13,670
Net unrealized investment gains (losses) attributable to noncontrolling interests	(9 )	(8 )
Net unrealized investment gains (losses) attributable to MetLife, Inc.	\$ 7,946	\$ 13,662

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The changes in net unrealized investment gains (losses) were as follows:

	Nine Months Ended September 30, 2018 (In millions)
Balance, beginning of period	\$ 13,662
Cumulative effects of changes in accounting principles, net of income tax (Note 1)	1,258
Fixed maturity securities AFS on which noncredit OTTI losses have been recognized	(5 )
Unrealized investment gains (losses) during the period	(11,418 )
Unrealized investment gains (losses) relating to:	
Future policy benefits	(25 )
DAC and VOBA related to noncredit OTTI losses recognized in AOCI	(1 )
DAC, VOBA and DSI	826
Policyholder dividend obligation	1,665
Deferred income tax benefit (expense) related to noncredit OTTI losses recognized in AOCI	7
Deferred income tax benefit (expense)	1,978
Net unrealized investment gains (losses)	7,947
Net unrealized investment gains (losses) attributable to noncontrolling interests	(1 )
Balance, end of period	\$ 7,946
Change in net unrealized investment gains (losses)	\$ (5,715 )
Change in net unrealized investment gains (losses) attributable to noncontrolling interests	(1 )
Change in net unrealized investment gains (losses) attributable to MetLife, Inc.	\$ (5,716 )

Concentrations of Credit Risk

Investments in any counterparty that were greater than 10% of the Company's equity, other than the U.S. government and its agencies, were in fixed income securities of the Japanese government and its agencies with an estimated fair value of \$28.6 billion and \$27.5 billion at September 30, 2018 and December 31, 2017, respectively, and in fixed income securities of the South Korean government and its agencies with an estimated fair value of \$6.7 billion and \$6.5 billion at September 30, 2018 and December 31, 2017, respectively.

Securities Lending

Elements of the Company's securities lending program are presented below at:

	September 30, 2018	December 31, 2017
	(In millions)	

## Securities on loan: (1)

Amortized cost	\$ 18,438	\$ 17,801
Estimated fair value	\$ 18,826	\$ 19,028
Cash collateral received from counterparties (2)	\$ 19,290	\$ 19,417
Security collateral received from counterparties (3)	\$ —	\$ 19
Reinvestment portfolio — estimated fair value	\$ 19,394	\$ 19,508

(1) Included within fixed maturity securities AFS and short-term investments.

(2) Included within payables for collateral under securities loaned and other transactions.

(3) Security collateral received from counterparties may not be sold or re-pledged, unless the counterparty is in default, and is not reflected on the interim condensed consolidated financial statements.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The cash collateral liability by loaned security type and remaining tenor of the agreements was as follows at:

	September 30, 2018				December 31, 2017			
	Remaining Tenor of Securities Lending Agreements				Remaining Tenor of Securities Lending Agreements			
	Open (1)	1 Month or Less	Over 1 to 6 Months	Total	Open (1)	1 Month or Less	Over 1 to 6 Months	Total
(In millions)								
Cash collateral liability by loaned security type:								
U.S. government and agency	\$3,056	\$ 7,305	\$ 7,883	\$ 18,244	\$3,753	\$ 6,031	\$ 8,607	\$ 18,391
Foreign government	—	72	831	903	—	192	834	1,026
Agency RMBS	—	—	143	143	—	—	—	—
Total	\$3,056	\$ 7,377	\$ 8,857	\$ 19,290	\$3,753	\$ 6,223	\$ 9,441	\$ 19,417

(1) The related loaned security could be returned to the Company on the next business day which would require the Company to immediately return the cash collateral.

If the Company is required to return significant amounts of cash collateral on short notice and is forced to sell securities to meet the return obligation, it may have difficulty selling such collateral that is invested in securities in a timely manner, be forced to sell securities in a volatile or illiquid market for less than what otherwise would have been realized under normal market conditions, or both. The estimated fair value of the securities on loan related to the cash collateral on open at September 30, 2018 was \$3.0 billion, 99% of which were U.S. government and agency securities which, if put back to the Company, could be immediately sold to satisfy the cash requirement.

The reinvestment portfolio acquired with the cash collateral consisted principally of fixed maturity securities AFS (including U.S. government and agency securities, agency RMBS, and ABS), short-term investments and cash equivalents, with 64% invested in U.S. government and agency securities, agency RMBS, short-term investments, cash equivalents or held in cash. If the securities on loan or the reinvestment portfolio become less liquid, the Company has the liquidity resources of most of its general account available to meet any potential cash demands when securities on loan are put back to the Company.

## Repurchase Agreements

Elements of the Company's short-term repurchase agreements are presented below at:

	September 30, 2018	December 31, 2017
(In millions)		
Securities on loan: (1)		
Amortized cost	\$2,547	\$ 994
Estimated fair value	\$2,597	\$ 1,141
Cash collateral received from counterparties (2)	\$2,543	\$ 1,102
Security collateral received from counterparties (3)	\$8	\$ —
Reinvestment portfolio — estimated fair value	\$2,554	\$ 1,102

(1) Included within fixed maturity securities AFS, short-term investments and cash equivalents.

(2) Included within payables for collateral under securities loaned and other transactions and other liabilities.

(3) Security collateral received from counterparties may not be sold or re-pledged, unless the counterparty is in default, and is not reflected on the interim condensed consolidated financial statements.





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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The cash collateral liability by loaned security type and remaining tenor of the agreements was as follows at:

September 30, 2018			December 31, 2017		
Remaining Tenor of Repurchase Agreements			Remaining Tenor of Repurchase Agreements		
1 Month or Less	Over 1 to 6 Months	Total	1 Month or Less	Over 1 to 6 Months	Total
(In millions)					

Cash collateral liability by loaned security type:

U.S. government and agency	\$2,465	\$ —	\$2,465	\$1,005	\$ —	\$1,005
All other corporate and government	42	36	78	44	53	97
Total	\$2,507	\$ 36	\$2,543	\$1,049	\$ 53	\$1,102

The reinvestment portfolio acquired with the cash collateral consisted principally of fixed maturity securities AFS (including U.S. government and agency securities, agency RMBS and ABS), short-term investments and cash equivalents, with 67% invested in U.S. government and agency securities, agency RMBS, short-term investments, cash equivalents or held in cash. If the securities on loan or the reinvestment portfolio become less liquid, the Company has the liquidity resources of most of its general account available to meet any potential cash demands when securities on loan are put back to the Company.

FHLB of Boston Advance Agreements

At September 30, 2018 and December 31, 2017, a subsidiary of the Company had pledged fixed maturity securities AFS with an estimated fair value of \$1.3 billion and \$564 million, respectively, as collateral and received \$800 million and \$300 million, respectively, in cash advances under short-term advance agreements with the FHLB of Boston. The liability to return the cash advances is included within payables for collateral under securities loaned and other transactions. The estimated fair value of the reinvestment portfolio acquired with the cash advances was \$810 million and \$300 million at September 30, 2018 and December 31, 2017, respectively, and consisted primarily of U.S. government and agency securities and Structured Securities. The subsidiary is permitted to withdraw any portion of the pledged collateral over the minimum collateral requirement at any time, other than in the event of a default by the subsidiary.

The cash advance liability by loaned security type and remaining tenor of the agreements was as follows at:

September 30, 2018			December 31, 2017				
Remaining Tenor of Advance Agreements			Remaining Tenor of Advance Agreements				
1 Month or Less	Over 1 to 6 Months	6 Months to 1 Year	Total	1 Month or Less	Over 1 to 6 Months	6 Months to 1 Year	Total
(In millions)							

Cash advance liability by loaned security type:

State and political subdivision	\$100	\$ 625	\$ 75	\$800	\$—	\$ 300	\$ —	\$—300
Invested Assets on Deposit, Held in Trust and Pledged as Collateral								

Invested assets on deposit, held in trust and pledged as collateral are presented below at estimated fair value for all asset classes, except mortgage loans, which are presented at carrying value, at:

	September 30, 2018	December 31, 2017
	(In millions)	
Invested assets on deposit (regulatory deposits)	\$1,811	\$ 1,879
Invested assets held in trust (collateral financing arrangement and reinsurance agreements)	3,058	2,490
Invested assets pledged as collateral	24,726	24,174
Total invested assets on deposit, held in trust and pledged as collateral	\$29,595	\$ 28,543

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The Company has pledged invested assets in connection with various agreements and transactions, including funding agreements (see Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report) and derivative transactions (see Note 7). Amounts in the table above include invested assets and cash and cash equivalents.

See “— Securities Lending” and “— Repurchase Agreements” for information regarding securities on loan, Note 5 for information regarding investments designated to the closed block and “— Equity Securities” for information on common stock holdings in regional banks of the FHLB system, which are considered restricted investments.

## Variable Interest Entities

The Company has invested in legal entities that are VIEs. In certain instances, the Company holds both the power to direct the most significant activities of the entity, as well as an economic interest in the entity and, as such, is deemed to be the primary beneficiary or consolidator of the entity. The determination of the VIE’s primary beneficiary requires an evaluation of the contractual and implied rights and obligations associated with each party’s relationship with or involvement in the entity, an estimate of the entity’s expected losses and expected residual returns and the allocation of such estimates to each party involved in the entity.

## Consolidated VIEs

Creditors or beneficial interest holders of VIEs where the Company is the primary beneficiary have no recourse to the general credit of the Company, as the Company’s obligation to the VIEs is limited to the amount of its committed investment.

The following table presents the total assets and total liabilities relating to investment-related VIEs for which the Company has concluded that it is the primary beneficiary and which are consolidated at:

	September 30, 2018		December 31, 2017	
	Total Assets	Total Liabilities	Total Assets	Total Liabilities
	(In millions)			
Renewable energy partnership	\$ 107	\$ —	\$ 116	\$ 3
Investment fund	10	—	—	—
Other investments	31	6	32	6
Total	\$ 148	\$ 6	\$ 148	\$ 9

Assets of the renewable energy partnership, investment fund and other investments primarily consisted of other invested assets.

## Unconsolidated VIEs

The carrying amount and maximum exposure to loss relating to VIEs in which the Company holds a significant variable interest but is not the primary beneficiary and which have not been consolidated were as follows at:

	September 30, 2018		December 31, 2017	
	Carrying Amount	Maximum Exposure to Loss (1)	Carrying Amount	Maximum Exposure to Loss (1)
	(In millions)			
Fixed maturity securities AFS:				
Structured Securities (2)	\$ 47,209	\$ 47,209	\$ 47,614	\$ 47,614
U.S. and foreign corporate	1,236	1,236	1,560	1,560
Other limited partnership interests	5,343	9,719	4,834	8,543
Other invested assets	1,924	2,102	2,291	2,625
Other investments	86	90	82	87
Total	\$ 55,798	\$ 60,356	\$ 56,381	\$ 60,429



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

The maximum exposure to loss relating to fixed maturity securities AFS is equal to their carrying amounts or the carrying amounts of retained interests. The maximum exposure to loss relating to other limited partnership interests is equal to the carrying amounts plus any unfunded commitments. For certain of its investments in other invested assets, the Company's return is in the form of income tax credits which are guaranteed by creditworthy third parties.

(1) For such investments, the maximum exposure to loss is equal to the carrying amounts plus any unfunded commitments, reduced by income tax credits guaranteed by third parties of \$101 million and \$117 million at September 30, 2018 and December 31, 2017, respectively. Such a maximum loss would be expected to occur only upon bankruptcy of the issuer or investee.

(2) For these variable interests, the Company's involvement is limited to that of a passive investor in mortgage-backed or asset-backed securities issued by trusts that do not have substantial equity.

As described in Note 15, the Company makes commitments to fund partnership investments in the normal course of business. Excluding these commitments, the Company did not provide financial or other support to investees designated as VIEs during both the nine months ended September 30, 2018 and 2017.

During the three months ended September 30, 2018, the Company securitized certain residential mortgage loans and acquired an interest in the related RMBS issued. While the Company has a variable interest in the issuer of the securities, it is not the primary beneficiary of the issuer of the securities since it does not have any rights to remove the servicer or veto rights over the servicer's actions. During the three months ended September 30, 2018, the carrying value and the estimated fair value of the mortgage loans sold were \$451 million and \$478 million, respectively, resulting in a gain of \$27 million, which was included within net investment gains (losses). The estimated fair value of the RMBS acquired in connection with the securitization was \$102 million, which was included in the carrying amount and maximum exposure to loss for Structured Securities presented above. See Note 8 for information on how the estimated fair value of mortgage loans and RMBS is determined, the valuation approaches and key inputs, their placement in the fair value hierarchy, and, for certain RMBS, quantitative information about the significant unobservable inputs and the sensitivity of their estimated fair value to changes in those inputs.

## Net Investment Income

The components of net investment income were as follows:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Investment income:				
Fixed maturity securities AFS	\$3,056	\$2,869	\$8,966	\$8,528
Equity securities	15	31	46	93
FVO Securities (1)	11	16	25	61
Mortgage loans	859	809	2,466	2,303
Policy loans	130	130	381	386
Real estate and real estate joint ventures	175	156	538	478
Other limited partnership interests	227	214	554	648
Cash, cash equivalents and short-term investments	112	52	279	159
Operating joint ventures	2	6	34	13
Other	83	71	283	196
Subtotal	4,670	4,354	13,572	12,865
Less: Investment expenses	333	293	950	820
Subtotal, net	4,337	4,061	12,622	12,045
Unit-linked investments (1)	149	234	82	864

Net investment income

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\$4,486 \$4,295 \$12,704 \$12,909

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

6. Investments (continued)

Changes in estimated fair value subsequent to purchase for investments still held as of the end of the respective periods included in net investment income were principally from Unit-linked investments, and were \$109 million and (\$59) million for the three months and nine months ended September 30, 2018, respectively, and \$154 million and \$540 million for the three months and nine months ended September 30, 2017, respectively.

(1) The Company invests in real estate joint ventures, other limited partnership interests and tax credit and renewable energy partnerships, and also does business through certain operating joint ventures, the majority of which are accounted for under the equity method. Net investment income from other limited partnership interests and operating joint ventures, accounted for under the equity method; and real estate joint ventures and tax credit and renewable energy partnerships, primarily accounted for under the equity method, totaled \$180 million and \$482 million for the three months and nine months ended September 30, 2018, respectively, and \$164 million and \$448 million for the three months and nine months ended September 30, 2017, respectively.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

## Net Investment Gains (Losses)

## Components of Net Investment Gains (Losses)

The components of net investment gains (losses) were as follows:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018	
	2017	2018	2017	2018
	(In millions)			
Total gains (losses) on fixed maturity securities AFS:				
Total OTTI losses recognized — by sector and industry:				
U.S. and foreign corporate securities — by industry:				
Consumer	\$(1 )	\$(4 )	\$(1 )	\$(4 )
Finance	(7 )	—	(7 )	—
Total U.S. and foreign corporate securities	(8 )	(4 )	(8 )	(4 )
Foreign government	(9 )	—	(9 )	—
RMBS	—	(1 )	—	(1 )
State and political subdivision	—	—	—	(2 )
OTTI losses on fixed maturity securities AFS recognized in earnings	(17 )	(5 )	(17 )	(7 )
Fixed maturity securities AFS — net gains (losses) on sales and disposals (1)	123	284	(18 )	325
Total gains (losses) on fixed maturity securities AFS	106	279	(35 )	318
Total gains (losses) on equity securities:				
OTTI losses recognized — by security type:				
Common stock	—	(4 )	—	(16 )
Non-redeemable preferred stock	—	—	—	(1 )
Total OTTI losses on equity securities recognized in earnings	—	(4 )	—	(17 )
Equity securities — net gains (losses) on sales and disposals	(58 )	6	58	55
Change in estimated fair value of equity securities (2)	76	—	(37 )	—
Total gains (losses) on equity securities	18	2	21	38
Mortgage loans (1)	4	29	(32 )	3
Real estate and real estate joint ventures	40	169	154	436
Other limited partnership interests	1	(33 )	9	(51 )
Other	12	29	(176 )	(67 )
Subtotal	181	475	(59 )	677
Change in estimated fair value of other limited partnership interests and real estate joint ventures	12	—	6	—
Non-investment portfolio gains (losses) (3)	(76 )	(1,081)	(390 )	(1,091)
Total net investment gains (losses)	\$117	\$(606)	\$(443)	\$(414)

Fixed maturity securities AFS — net gains (losses) on sales and disposals and mortgage loans for both the three months and nine months ended September 30, 2017, included \$276 million and \$47 million, respectively, in (1) previously deferred gains on prior period transfers of such investments to Brighthouse, as such gains are no longer eliminated in consolidation after the Separation. See Note 3.

Changes in estimated fair value subsequent to purchase for equity securities still held as of the end of the period (2) included in net investment gains (losses) were \$15 million and \$12 million for the three months and nine months ended September 30, 2018, respectively. See Note 1.





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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 6. Investments (continued)

Non-investment portfolio gains (losses) for the nine months ended September 30, 2018 included a loss of \$327 million which represents both the change in estimated fair value of FVO Brighthouse Common Stock held by the Company through date of disposal and the loss on disposal in June 2018. Non-investment portfolio gains (losses) for both the three months and nine months ended September 30, 2017 included (i) a loss of \$1,016 million which represents a mark-to-market loss on the Company's retained investment in Brighthouse Financial, Inc. at Separation and (ii) a loss of \$45 million which represents the change in estimated fair value of FVO Brighthouse Common Stock held by the Company from the date of Separation to September 30, 2017. See Note 3.

Gains (losses) from foreign currency transactions included within net investment gains (losses) were (\$100) million and (\$82) million for the three months and nine months ended September 30, 2018, respectively, and (\$14) million and (\$52) million for the three months and nine months ended September 30, 2017, respectively.

## Sales or Disposals and Impairments of Fixed Maturity Securities AFS

Investment gains and losses on sales of securities are determined on a specific identification basis. Proceeds from sales or disposals of fixed maturity securities AFS and the components of fixed maturity securities AFS net investment gains (losses) were as shown in the table below:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Proceeds	\$19,003	\$8,586	\$58,256	\$35,742
Gross investment gains	\$234	\$364	\$489	\$623
Gross investment losses	(111 )	(80 )	(507 )	(298 )
OTTI losses	(17 )	(5 )	(17 )	(7 )
Net investment gains (losses)	\$106	\$279	\$(35 )	\$318

## Credit Loss Rollforward

The table below presents a rollforward of the cumulative credit loss component of OTTI loss recognized in earnings on fixed maturity securities AFS still held for which a portion of the OTTI loss was recognized in OCI:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Balance, beginning of period	\$111	\$165	\$138	\$187
Sales (maturities, pay downs or prepayments) of securities previously impaired as credit loss OTTI	(4 )	(4 )	(30 )	(26 )
Increase in cash flows — accretion of previous credit loss OTTI	—	—	(1 )	—
Balance, end of period	\$107	\$161	\$107	\$161

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives

## Accounting for Derivatives

## Freestanding Derivatives

Freestanding derivatives are carried on the Company's balance sheet either as assets within other invested assets or as liabilities within other liabilities at estimated fair value. The Company does not offset the estimated fair value amounts recognized for derivatives executed with the same counterparty under the same master netting agreement.

Accruals on derivatives are generally recorded in accrued investment income or within other liabilities. However, accruals that are not scheduled to settle within one year are included with the derivative's carrying value in other invested assets or other liabilities.

If a derivative is not designated as an accounting hedge or its use in managing risk does not qualify for hedge accounting, changes in the estimated fair value of the derivative are reported in net derivative gains (losses) except as follows:

## Statement of Operations Presentation: Derivative:

Policyholder benefits and claims	• Economic hedges of variable annuity guarantees included in future policy benefits
Net investment income	• Economic hedges of equity method investments in joint ventures • Derivatives held within Unit-linked investments

## Hedge Accounting

To qualify for hedge accounting, at the inception of the hedging relationship, the Company formally documents its risk management objective and strategy for undertaking the hedging transaction, as well as its designation of the hedge. Hedge designation and financial statement presentation of changes in estimated fair value of the hedging derivatives are as follows:

Fair value hedge (a hedge of the estimated fair value of a recognized asset or liability) - in net derivative gains (losses), consistent with the change in estimated fair value of the hedged item attributable to the designated risk being hedged.

Cash flow hedge (a hedge of a forecasted transaction or of the variability of cash flows to be received or paid related to a recognized asset or liability) - effectiveness in OCI (deferred gains or losses on the derivative are reclassified into the statement of operations when the Company's earnings are affected by the variability in cash flows of the hedged item); ineffectiveness in net derivative gains (losses).

Net investment in a foreign operation hedge - effectiveness in OCI, consistent with the translation adjustment for the hedged net investment in the foreign operation; ineffectiveness in net derivative gains (losses).

The changes in estimated fair values of the hedging derivatives are exclusive of any accruals that are separately reported on the statement of operations within interest income or interest expense to match the location of the hedged item. Accruals on derivatives in net investment hedges are recognized in OCI.

In its hedge documentation, the Company sets forth how the hedging instrument is expected to hedge the designated risks related to the hedged item and sets forth the method that will be used to retrospectively and prospectively assess the hedging instrument's effectiveness and the method that will be used to measure ineffectiveness. A derivative designated as a hedging instrument must be assessed as being highly effective in offsetting the designated risk of the hedged item. Hedge effectiveness is formally assessed at inception and at least quarterly throughout the life of the designated hedging relationship. Assessments of hedge effectiveness and measurements of ineffectiveness are also subject to interpretation and estimation and different interpretations or estimates may have a material effect on the amount reported in net income.

The Company discontinues hedge accounting prospectively when: (i) it is determined that the derivative is no longer highly effective in offsetting changes in the estimated fair value or cash flows of a hedged item; (ii) the derivative expires, is sold, terminated, or exercised; (iii) it is no longer probable that the hedged forecasted transaction will occur; or (iv) the derivative is de-designated as a hedging instrument.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

When hedge accounting is discontinued because it is determined that the derivative is not highly effective in offsetting changes in the estimated fair value or cash flows of a hedged item, the derivative continues to be carried on the balance sheet at its estimated fair value, with changes in estimated fair value recognized in net derivative gains (losses). The carrying value of the hedged recognized asset or liability under a fair value hedge is no longer adjusted for changes in its estimated fair value due to the hedged risk, and the cumulative adjustment to its carrying value is amortized into income over the remaining life of the hedged item. Provided the hedged forecasted transaction is still probable of occurrence, the changes in estimated fair value of derivatives recorded in OCI related to discontinued cash flow hedges are released into the statement of operations when the Company's earnings are affected by the variability in cash flows of the hedged item.

When hedge accounting is discontinued because it is no longer probable that the forecasted transactions will occur on the anticipated date or within two months of that date, the derivative continues to be carried on the balance sheet at its estimated fair value, with changes in estimated fair value recognized currently in net derivative gains (losses).

Deferred gains and losses of a derivative recorded in OCI pursuant to the discontinued cash flow hedge of a forecasted transaction that is no longer probable are recognized immediately in net derivative gains (losses).

In all other situations in which hedge accounting is discontinued, the derivative is carried at its estimated fair value on the balance sheet, with changes in its estimated fair value recognized in the current period as net derivative gains (losses).

**Embedded Derivatives**

The Company sells variable annuities and issues certain insurance products and investment contracts and is a party to certain reinsurance agreements that have embedded derivatives. The Company assesses each identified embedded derivative to determine whether it is required to be bifurcated. The embedded derivative is bifurcated from the host contract and accounted for as a freestanding derivative if:

- the combined instrument is not accounted for in its entirety at estimated fair value with changes in estimated fair value recorded in earnings;

- the terms of the embedded derivative are not clearly and closely related to the economic characteristics of the host contract; and

- a separate instrument with the same terms as the embedded derivative would qualify as a derivative instrument.

Such embedded derivatives are carried on the balance sheet at estimated fair value with the host contract and changes in their estimated fair value are generally reported in net derivative gains (losses). If the Company is unable to properly identify and measure an embedded derivative for separation from its host contract, the entire contract is carried on the balance sheet at estimated fair value, with changes in estimated fair value recognized in the current period in net investment gains (losses) or net investment income. Additionally, the Company may elect to carry an entire contract on the balance sheet at estimated fair value, with changes in estimated fair value recognized in the current period in net investment gains (losses) or net investment income if that contract contains an embedded derivative that requires bifurcation. At inception, the Company attributes to the embedded derivative a portion of the projected future guarantee fees to be collected from the policyholder equal to the present value of projected future guaranteed benefits. Any additional fees represent "excess" fees and are reported in universal life and investment-type product policy fees.

See Note 8 for information about the fair value hierarchy for derivatives.

**Derivative Strategies**

The Company is exposed to various risks relating to its ongoing business operations, including interest rate, foreign currency exchange rate, credit and equity market. The Company uses a variety of strategies to manage these risks, including the use of derivatives.

Derivatives are financial instruments with values derived from interest rates, foreign currency exchange rates, credit spreads and/or other financial indices. Derivatives may be exchange-traded or contracted in the over-the-counter ("OTC") market. Certain of the Company's OTC derivatives are cleared and settled through central

clearing counterparties (“OTC-cleared”), while others are bilateral contracts between two counterparties (“OTC-bilateral”). The types of derivatives the Company uses include swaps, forwards, futures and option contracts. To a lesser extent, the Company uses credit default swaps and structured interest rate swaps to synthetically replicate investment risks and returns which are not readily available in the cash markets.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

## Interest Rate Derivatives

The Company uses a variety of interest rate derivatives to reduce its exposure to changes in interest rates, including interest rate swaps, interest rate total return swaps, caps, floors, swaptions, futures and forwards.

Interest rate swaps are used by the Company primarily to reduce market risks from changes in interest rates and to alter interest rate exposure arising from mismatches between assets and liabilities (duration mismatches). In an interest rate swap, the Company agrees with another party to exchange, at specified intervals, the difference between fixed rate and floating rate interest amounts as calculated by reference to an agreed notional amount. The Company utilizes interest rate swaps in fair value, cash flow and nonqualifying hedging relationships.

The Company uses structured interest rate swaps to synthetically create investments that are either more expensive to acquire or otherwise unavailable in the cash markets. These transactions are a combination of a derivative and a cash instrument such as a U.S. government and agency, or other fixed maturity security AFS. Structured interest rate swaps are included in interest rate swaps and are not designated as hedging instruments.

Interest rate total return swaps are swaps whereby the Company agrees with another party to exchange, at specified intervals, the difference between the economic risk and reward of an asset or a market index and the London Interbank Offered Rate (“LIBOR”), calculated by reference to an agreed notional amount. No cash is exchanged at the outset of the contract. Cash is paid and received over the life of the contract based on the terms of the swap. These transactions are entered into pursuant to master agreements that provide for a single net payment to be made by the counterparty at each due date. Interest rate total return swaps are used by the Company to reduce market risks from changes in interest rates and to alter interest rate exposure arising from mismatches between assets and liabilities (duration mismatches). The Company utilizes interest rate total return swaps in nonqualifying hedging relationships.

The Company purchases interest rate caps primarily to protect its floating rate liabilities against rises in interest rates above a specified level, and against interest rate exposure arising from mismatches between assets and liabilities, and interest rate floors primarily to protect its minimum rate guarantee liabilities against declines in interest rates below a specified level. In certain instances, the Company locks in the economic impact of existing purchased caps and floors by entering into offsetting written caps and floors. The Company utilizes interest rate caps and floors in nonqualifying hedging relationships.

In exchange-traded interest rate (Treasury and swap) futures transactions, the Company agrees to purchase or sell a specified number of contracts, the value of which is determined by the different classes of interest rate securities, to post variation margin on a daily basis in an amount equal to the difference in the daily market values of those contracts and to pledge initial margin based on futures exchange requirements. The Company enters into exchange-traded futures with regulated futures commission merchants that are members of the exchange.

Exchange-traded interest rate (Treasury and swap) futures are used primarily to hedge mismatches between the duration of assets in a portfolio and the duration of liabilities supported by those assets, to hedge against changes in value of securities the Company owns or anticipates acquiring, to hedge against changes in interest rates on anticipated liability issuances by replicating Treasury or swap curve performance, and to hedge minimum guarantees embedded in certain variable annuity products offered by the Company. The Company utilizes exchange-traded interest rate futures in nonqualifying hedging relationships.

Swaptions are used by the Company to hedge interest rate risk associated with the Company’s long-term liabilities and invested assets. A swaption is an option to enter into a swap with a forward starting effective date. In certain instances, the Company locks in the economic impact of existing purchased swaptions by entering into offsetting written swaptions. The Company pays a premium for purchased swaptions and receives a premium for written swaptions. The Company utilizes swaptions in nonqualifying hedging relationships. Swaptions are included in interest rate options. The Company enters into interest rate forwards to buy and sell securities. The price is agreed upon at the time of the contract and payment for such a contract is made at a specified future date. The Company utilizes interest rate forwards in cash flow and nonqualifying hedging relationships.

A synthetic guaranteed interest contract (“GIC”) is a contract that simulates the performance of a traditional GIC through the use of financial instruments. Under a synthetic GIC, the contractholder owns the underlying assets. The Company guarantees a rate of return on those assets for a premium. Synthetic GICs are not designated as hedging instruments.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

## Foreign Currency Exchange Rate Derivatives

The Company uses foreign currency exchange rate derivatives, including foreign currency swaps, foreign currency forwards, currency options and exchange-traded currency futures, to reduce the risk from fluctuations in foreign currency exchange rates associated with its assets and liabilities denominated in foreign currencies. The Company also uses foreign currency derivatives to hedge the foreign currency exchange rate risk associated with certain of its net investments in foreign operations.

In a foreign currency swap transaction, the Company agrees with another party to exchange, at specified intervals, the difference between one currency and another at a fixed exchange rate, generally set at inception, calculated by reference to an agreed upon notional amount. The notional amount of each currency is exchanged at the inception and termination of the currency swap by each party. The Company utilizes foreign currency swaps in fair value, cash flow and nonqualifying hedging relationships.

In a foreign currency forward transaction, the Company agrees with another party to deliver a specified amount of an identified currency at a specified future date. The price is agreed upon at the time of the contract and payment for such a contract is made at the specified future date. The Company utilizes foreign currency forwards in fair value, net investment in foreign operations and nonqualifying hedging relationships.

The Company enters into currency options that give it the right, but not the obligation, to sell the foreign currency amount in exchange for a functional currency amount within a limited time at a contracted price. The contracts may also be net settled in cash, based on differentials in the foreign currency exchange rate and the strike price. The Company uses currency options to hedge against the foreign currency exposure inherent in certain of its variable annuity products. The Company also uses currency options as an economic hedge of foreign currency exposure related to the Company's international subsidiaries. The Company utilizes currency options in net investment in foreign operations and nonqualifying hedging relationships.

To a lesser extent, the Company uses exchange-traded currency futures to hedge currency mismatches between assets and liabilities, and to hedge minimum guarantees embedded in certain variable annuity products offered by the Company. The Company utilizes exchange-traded currency futures in nonqualifying hedging relationships.

## Credit Derivatives

The Company enters into purchased credit default swaps to hedge against credit-related changes in the value of its investments. In a credit default swap transaction, the Company agrees with another party to pay, at specified intervals, a premium to hedge credit risk. If a credit event occurs, as defined by the contract, the contract may be cash settled or it may be settled gross by the delivery of par quantities of the referenced investment equal to the specified swap notional amount in exchange for the payment of cash amounts by the counterparty equal to the par value of the investment surrendered. Credit events vary by type of issuer but typically include bankruptcy, failure to pay debt obligations and involuntary restructuring for corporate obligors, as well as repudiation, moratorium or governmental intervention for sovereign obligors. In each case, payout on a credit default swap is triggered only after the Credit Derivatives Determinations Committee of the International Swaps and Derivatives Association, Inc. ("ISDA") deems that a credit event has occurred. The Company utilizes credit default swaps in nonqualifying hedging relationships. The Company enters into written credit default swaps to synthetically create credit investments that are either more expensive to acquire or otherwise unavailable in the cash markets. These transactions are a combination of a derivative and one or more cash instruments, such as U.S. government and agency securities, or other fixed maturity securities AFS. These credit default swaps are not designated as hedging instruments.

The Company enters into forwards to lock in the price to be paid for forward purchases of certain securities. The price is agreed upon at the time of the contract and payment for the contract is made at a specified future date. When the primary purpose of entering into these transactions is to hedge against the risk of changes in purchase price due to changes in credit spreads, the Company designates these transactions as credit forwards. The Company utilizes credit forwards in cash flow hedging relationships.

## Equity Derivatives

The Company uses a variety of equity derivatives to reduce its exposure to equity market risk, including equity index options, equity variance swaps, exchange-traded equity futures and equity total return swaps.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

7. Derivatives (continued)

Equity index options are used by the Company primarily to hedge minimum guarantees embedded in certain variable annuity products offered by the Company. To hedge against adverse changes in equity indices, the Company enters into contracts to sell the underlying equity index within a limited time at a contracted price. The contracts will be net settled in cash based on differentials in the indices at the time of exercise and the strike price. Certain of these contracts may also contain settlement provisions linked to interest rates. In certain instances, the Company may enter into a combination of transactions to hedge adverse changes in equity indices within a pre-determined range through the purchase and sale of options. The Company utilizes equity index options in nonqualifying hedging relationships. Equity variance swaps are used by the Company primarily to hedge minimum guarantees embedded in certain variable annuity products offered by the Company. In an equity variance swap, the Company agrees with another party to exchange amounts in the future, based on changes in equity volatility over a defined period. The Company utilizes equity variance swaps in nonqualifying hedging relationships.

In exchange-traded equity futures transactions, the Company agrees to purchase or sell a specified number of contracts, the value of which is determined by the different classes of equity securities, to post variation margin on a daily basis in an amount equal to the difference in the daily market values of those contracts and to pledge initial margin based on futures exchange requirements. The Company enters into exchange-traded futures with regulated futures commission merchants that are members of the exchange. Exchange-traded equity futures are used primarily to hedge minimum guarantees embedded in certain variable annuity products offered by the Company. The Company utilizes exchange-traded equity futures in nonqualifying hedging relationships.

In an equity total return swap, the Company agrees with another party to exchange, at specified intervals, the difference between the economic risk and reward of an asset or a market index and LIBOR, calculated by reference to an agreed notional amount. No cash is exchanged at the outset of the contract. Cash is paid and received over the life of the contract based on the terms of the swap. The Company uses equity total return swaps to hedge its equity market guarantees in certain of its insurance products. Equity total return swaps can be used as hedges or to synthetically create investments. The Company utilizes equity total return swaps in nonqualifying hedging relationships.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

## Primary Risks Managed by Derivatives

The following table presents the primary underlying risk exposure, gross notional amount, and estimated fair value of the Company's derivatives, excluding embedded derivatives, held at:

Primary Underlying Risk Exposure	September 30, 2018			December 31, 2017			
	Gross Notional Amount	Estimated Assets	Fair Value Liabilities	Gross Notional Amount	Estimated Assets	Fair Value Liabilities	
(In millions)							
<b>Derivatives Designated as Hedging Instruments:</b>							
Fair value hedges:							
Interest rate swaps	Interest rate	\$2,450	\$ 1,997	\$ 1	\$3,843	\$ 2,289	\$ 3
Foreign currency swaps	Foreign currency exchange rate	1,010	34	5	1,116	50	18
Foreign currency forwards	Foreign currency exchange rate	2,496	—	70	3,253	2	37
Subtotal		5,956	2,031	76	8,212	2,341	58
Cash flow hedges:							
Interest rate swaps	Interest rate	3,456	113	12	3,584	235	4
Interest rate forwards	Interest rate	3,022	—	302	3,332	—	128
Foreign currency swaps	Foreign currency exchange rate	34,866	1,249	1,796	32,152	1,142	1,665
Subtotal		41,344	1,362	2,110	39,068	1,377	1,797
Foreign operations hedges:							
Foreign currency forwards	Foreign currency exchange rate	1,242	20	46	332	2	5
Currency options	Foreign currency exchange rate	7,578	27	200	9,408	44	163
Subtotal		8,820	47	246	9,740	46	168
Total qualifying hedges		56,120	3,440	2,432	57,020	3,764	2,023
<b>Derivatives Not Designated or Not Qualifying as Hedging Instruments:</b>							
Interest rate swaps	Interest rate	54,458	1,368	271	60,485	2,203	576
Interest rate floors	Interest rate	12,701	53	—	7,201	92	—
Interest rate caps	Interest rate	63,044	258	1	53,079	78	2
Interest rate futures	Interest rate	2,274	1	4	4,366	2	4
Interest rate options	Interest rate	23,125	257	1	12,009	656	11
Interest rate forwards	Interest rate	175	—	30	217	—	42
Interest rate total return swaps	Interest rate	1,048	—	25	1,048	8	2
Synthetic GICs	Interest rate	24,244	—	—	11,318	—	—
Foreign currency swaps	Foreign currency exchange rate	12,196	914	403	9,902	693	506
Foreign currency forwards	Foreign currency exchange rate	13,637	52	322	12,238	79	190
Currency futures	Foreign currency exchange rate	860	—	5	846	2	—
Currency options	Foreign currency exchange rate	2,268	16	13	3,123	55	6

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Credit default swaps — purchased	Credit	1,986	27	42	2,020	7	43
Credit default swaps — written	Credit	11,507	222	1	11,375	271	—
Equity futures	Equity market	3,142	8	5	4,005	18	4
Equity index options	Equity market	22,963	613	729	19,886	569	690
Equity variance swaps	Equity market	4,661	58	206	4,661	54	199
Equity total return swaps	Equity market	1,075	1	27	1,117	—	41
Total non-designated or nonqualifying derivatives		255,364	3,848	2,085	218,896	4,787	2,316
Total		\$311,484	\$ 7,288	\$ 4,517	\$275,916	\$ 8,551	\$ 4,339

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

Based on gross notional amounts, a substantial portion of the Company's derivatives was not designated or did not qualify as part of a hedging relationship at both September 30, 2018 and December 31, 2017. The Company's use of derivatives includes (i) derivatives that serve as macro hedges of the Company's exposure to various risks and that generally do not qualify for hedge accounting due to the criteria required under the portfolio hedging rules; (ii) derivatives that economically hedge insurance liabilities that contain mortality or morbidity risk and that generally do not qualify for hedge accounting because the lack of these risks in the derivatives cannot support an expectation of a highly effective hedging relationship; (iii) derivatives that economically hedge embedded derivatives that do not qualify for hedge accounting because the changes in estimated fair value of the embedded derivatives are already recorded in net income; and (iv) written credit default swaps and interest rate swaps that are used to synthetically create investments and that do not qualify for hedge accounting because they do not involve a hedging relationship. For these nonqualified derivatives, changes in market factors can lead to the recognition of fair value changes on the statement of operations without an offsetting gain or loss recognized in earnings for the item being hedged.

## Net Derivative Gains (Losses)

The components of net derivative gains (losses) were as follows:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Freestanding derivative and hedging gains (losses) (1)	\$(545)	\$(424)	\$(443)	\$(1,084)
Embedded derivative gains (losses)	167	301	355	549
Total net derivative gains (losses)	\$(378)	\$(123)	\$(88 )	\$(535 )

(1) Includes foreign currency transaction gains (losses) on hedged items in cash flow and nonqualifying hedging relationships, which are not presented elsewhere in this note.

The following table presents earned income on derivatives:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Qualifying hedges:				
Net investment income	\$85	\$72	\$259	\$217
Interest credited to policyholder account balances	(28 )	(19 )	(79 )	(40 )
Other expenses	(2 )	(2 )	(8 )	(7 )
Nonqualifying hedges:				
Net derivative gains (losses)	141	126	407	440
Policyholder benefits and claims	3	2	8	6
Total	\$199	\$179	\$587	\$616

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

## Nonqualifying Derivatives and Derivatives for Purposes Other Than Hedging

The following table presents the amount and location of gains (losses) recognized in income for derivatives that were not designated or not qualifying as hedging instruments:

	Net Derivative Gains (Losses) (In millions)	Net Investment Income (1)	Policyholder Benefits and Claims (2)
Three Months Ended September 30, 2018			
Interest rate derivatives	\$(364 )	\$ —	\$ (9 )
Foreign currency exchange rate derivatives	(115 )	—	(1 )
Credit derivatives — purchased	(9 )	—	—
Credit derivatives — written	70	—	—
Equity derivatives	(254 )	—	(31 )
Total	\$(672 )	\$ —	\$ (41 )
Three Months Ended September 30, 2017			
Interest rate derivatives	\$(148 )	\$ (2 )	\$ (3 )
Foreign currency exchange rate derivatives	(346 )	—	2
Credit derivatives — purchased	(2 )	—	—
Credit derivatives — written	35	—	—
Equity derivatives	(238 )	(3 )	(61 )
Total	\$(699 )	\$ (5 )	\$ (62 )
Nine Months Ended September 30, 2018			
Interest rate derivatives	\$(674 )	\$ 4	\$ (21 )
Foreign currency exchange rate derivatives	271	—	(4 )
Credit derivatives — purchased	2	—	—
Credit derivatives — written	(9 )	—	—
Equity derivatives	(330 )	1	(52 )
Total	\$(740 )	\$ 5	\$ (77 )
Nine Months Ended September 30, 2017			
Interest rate derivatives	\$(466 )	\$ (2 )	\$ (16 )
Foreign currency exchange rate derivatives	(527 )	—	4
Credit derivatives — purchased	(17 )	—	—
Credit derivatives — written	111	—	—
Equity derivatives	(824 )	(7 )	(176 )
Total	\$(1,723 )	\$ (9 )	\$ (188 )

(1) Changes in estimated fair value related to economic hedges of equity method investments in joint ventures and derivatives held within Unit-linked investments.

(2) Changes in estimated fair value related to economic hedges of variable annuity guarantees included in future policy benefits.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

7. Derivatives (continued)

Fair Value Hedges

The Company designates and accounts for the following as fair value hedges when they have met the requirements of fair value hedging: (i) interest rate swaps to convert fixed rate assets and liabilities to floating rate assets and liabilities; (ii) foreign currency swaps to hedge the foreign currency fair value exposure of foreign currency denominated assets and liabilities; and (iii) foreign currency forwards to hedge the foreign currency fair value exposure of foreign currency denominated investments.

The Company recognizes gains and losses on derivatives and the related hedged items in fair value hedges within net derivative gains (losses). The following table presents the amount of such net derivative gains (losses):

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

Derivatives in Fair Value Hedging Relationships	Hedged Items in Fair Value Hedging Relationships	Net Derivative Gains (Losses) Recognized for Derivatives	Net Derivative Gains (Losses) Recognized for Hedged Items	Ineffectiveness Recognized in Net Derivative Gains (Losses)
(In millions)				
Three Months Ended September 30, 2018				
Interest rate swaps:	Fixed maturity securities AFS	\$1	\$ (2 )	\$ (1 )
	Policyholder liabilities (1)	(108 )	110	2
Foreign currency swaps:	Foreign-denominated fixed maturity securities AFS and mortgage loans	4	(7 )	(3 )
	Foreign-denominated policyholder account balances (2)	—	—	—
Foreign currency forwards:	Foreign-denominated fixed maturity securities AFS	(60 )	55	(5 )
Total		\$ (163 )	\$ 156	\$ (7 )
Three Months Ended September 30, 2017				
Interest rate swaps:	Fixed maturity securities AFS	\$1	\$ —	\$ 1
	Policyholder liabilities (1)	(14 )	13	(1 )
Foreign currency swaps:	Foreign-denominated fixed maturity securities AFS	(10 )	10	—
	Foreign-denominated policyholder account balances (2)	15	(16 )	(1 )
Foreign currency forwards:	Foreign-denominated fixed maturity securities AFS	(4 )	4	—
Total		\$ (12 )	\$ 11	\$ (1 )
Nine Months Ended September 30, 2018				
Interest rate swaps:	Fixed maturity securities AFS	\$4	\$ (4 )	\$ —
	Policyholder liabilities (1)	(389 )	392	3
Foreign currency swaps:	Foreign-denominated fixed maturity securities AFS and mortgage loans	29	(33 )	(4 )
	Foreign-denominated policyholder account balances (2)	23	(23 )	—
Foreign currency forwards:	Foreign-denominated fixed maturity securities AFS	5	(4 )	1
Total		\$ (328 )	\$ 328	\$ —
Nine Months Ended September 30, 2017				
Interest rate swaps:	Fixed maturity securities AFS	\$2	\$ (2 )	\$ —
	Policyholder liabilities (1)	(16 )	84	68
Foreign currency swaps:	Foreign-denominated fixed maturity securities AFS	(15 )	16	1
	Foreign-denominated policyholder account balances (2)	61	(40 )	21
Foreign currency forwards:	Foreign-denominated fixed maturity securities AFS	20	(18 )	2
Total		\$ 52	\$ 40	\$ 92

(1) Fixed rate liabilities reported in policyholder account balances or future policy benefits.

(2) Fixed rate or floating rate liabilities.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

For the Company's foreign currency forwards, the change in the estimated fair value of the derivative related to the changes in the difference between the spot price and the forward price is excluded from the assessment of hedge effectiveness. For all other derivatives, all components of each derivative's gain or loss were included in the assessment of hedge effectiveness. For the three months and nine months ended September 30, 2018, the component of the change in estimated fair value of derivatives that was excluded from the assessment of hedge effectiveness was (\$7) million and (\$27) million, respectively. For the three months and nine months ended September 30, 2017, the component of the change in estimated fair value of derivatives that was excluded from the assessment of hedge effectiveness was (\$6) million and (\$30) million, respectively.

**Cash Flow Hedges**

The Company designates and accounts for the following as cash flow hedges when they have met the requirements of cash flow hedging: (i) interest rate swaps to convert floating rate assets and liabilities to fixed rate assets and liabilities; (ii) foreign currency swaps to hedge the foreign currency cash flow exposure of foreign currency denominated assets and liabilities; (iii) interest rate forwards and credit forwards to lock in the price to be paid for forward purchases of investments; (iv) interest rate swaps and interest rate forwards to hedge the forecasted purchases of fixed-rate investments; and (v) interest rate swaps and interest rate forwards to hedge forecasted fixed-rate borrowings.

In certain instances, the Company discontinued cash flow hedge accounting because the forecasted transactions were no longer probable of occurring. Because certain of the forecasted transactions also were not probable of occurring within two months of the anticipated date, the Company reclassified amounts from AOCI into net derivative gains (losses). These amounts were less than \$1 million and \$6 million for the three months and nine months ended September 30, 2018, respectively, and (\$4) million and \$16 million for the three months and nine months ended September 30, 2017, respectively.

At September 30, 2018 and December 31, 2017, the maximum length of time over which the Company was hedging its exposure to variability in future cash flows for forecasted transactions did not exceed four years and five years, respectively.

At September 30, 2018 and December 31, 2017, the balance in AOCI associated with cash flow hedges was \$1.3 billion and \$1.5 billion, respectively. Upon the Separation, the Company recorded a reduction of \$414 million of deferred gains within AOCI.

For the three months and nine months ended September 30, 2017, the amount of deferred gains (losses) in AOCI related to Brighthouse derivatives was (\$40) million and (\$92) million, respectively. For the three months and nine months ended September 30, 2017, the amount of income reclassified from AOCI into income (loss) from discontinued operations was less than \$1 million and \$16 million, respectively.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

The following table presents the effects of derivatives in cash flow hedging relationships on the interim condensed consolidated statements of operations and comprehensive income (loss) and the interim condensed consolidated statements of equity. The table excludes the effects of Brighthouse derivatives prior to the Separation.

Derivatives in Cash Flow Hedging Relationships	Amount of Gains (Losses) of Gains (Losses) AOCI on Derivatives		Amount and Location of Gains (Losses) Deferred in AOCI		Amount and Location of Gains (Losses) Recognized in Income (Loss) on Derivatives	
	(Effective Portion)	(Effective Portion)	(Effective Portion)	(Effective Portion)	(Ineffective Portion)	(Ineffective Portion)
	Net Derivative Gains (Losses)	Net Investment Income	Other Expenses	Net Derivative Gains (Losses)		
	(In millions)					
Three Months Ended September 30, 2018						
Interest rate swaps	\$(90 )	\$1	\$ 4	\$ —	\$ 3	
Interest rate forwards	(87 )	(3 )	1	—	1	
Foreign currency swaps	(118 )	(6 )	(1 )	—	(2 )	
Credit forwards	—	—	—	—	—	
Total	\$(295)	\$(8 )	\$ 4	\$ —	\$ 2	
Three Months Ended September 30, 2017						
Interest rate swaps	\$14	\$9	\$ 5	\$ —	\$ (2 )	
Interest rate forwards	1	(1 )	—	—	—	
Foreign currency swaps	(140 )	294	—	—	(3 )	
Credit forwards	—	—	—	—	—	
Total	\$(125)	\$302	\$ 5	\$ —	\$ (5 )	
Nine Months Ended September 30, 2018						
Interest rate swaps	\$(311)	\$18	\$ 13	\$ —	\$ 5	
Interest rate forwards	(200 )	—	2	1	—	
Foreign currency swaps	5	(342 )	(2 )	1	5	
Credit forwards	—	—	—	—	—	
Total	\$(506)	\$(324)	\$ 13	\$ 2	\$ 10	
Nine Months Ended September 30, 2017						
Interest rate swaps	\$91	\$23	\$ 12	\$ —	\$ 5	
Interest rate forwards	138	(5 )	2	1	(1 )	
Foreign currency swaps	(99 )	915	(1 )	1	(2 )	
Credit forwards	—	1	—	—	—	
Total	\$130	\$934	\$ 13	\$ 2	\$ 2	

All components of each derivative's gain or loss were included in the assessment of hedge effectiveness.

At September 30, 2018, the Company expected to reclassify \$16 million of deferred net gains (losses) on derivatives in AOCI, included in the table above, to earnings within the next 12 months.

Hedges of Net Investments in Foreign Operations

The Company uses foreign currency exchange rate derivatives, which may include foreign currency forwards and currency options, to hedge portions of its net investments in foreign operations against adverse movements in exchange rates. The Company measures ineffectiveness on these derivatives based upon the change in forward rates. When net investments in foreign operations are sold or substantially liquidated, the amounts in AOCI are reclassified to the statement of operations.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

The following table presents the effects of derivatives in net investment hedging relationships on the interim condensed consolidated statements of operations and comprehensive income (loss) and the interim condensed consolidated statements of equity:

Derivatives in Net Investment Hedging Relationships (1)	Amount of Gains (Losses) Deferred in AOCI (Effective Portion) (In millions)	
Three Months Ended September 30, 2018		
Foreign currency forwards	\$ (32	)
Currency options	36	
Total	\$ 4	
Three Months Ended September 30, 2017		
Foreign currency forwards	\$ (35	)
Currency options	(1	)
Total	\$ (36	)
Nine Months Ended September 30, 2018		
Foreign currency forwards	\$ 3	
Currency options	(75	)
Total	\$ (72	)
Nine Months Ended September 30, 2017		
Foreign currency forwards	\$ (161	)
Currency options	(234	)
Total	\$ (395	)

(1) There was no ineffectiveness recognized for the Company's hedges of net investments in foreign operations. All components of each derivative's gain or loss were included in the assessment of hedge effectiveness.

At September 30, 2018 and December 31, 2017, the cumulative foreign currency translation gain (loss) recorded in AOCI related to hedges of net investments in foreign operations was \$236 million and \$309 million, respectively.

Credit Derivatives

In connection with synthetically created credit investment transactions, the Company writes credit default swaps for which it receives a premium to insure credit risk. Such credit derivatives are included within the nonqualifying derivatives and derivatives for purposes other than hedging table. If a credit event occurs, as defined by the contract, the contract may be cash settled or it may be settled gross by the Company paying the counterparty the specified swap notional amount in exchange for the delivery of par quantities of the referenced credit obligation. The Company's maximum amount at risk, assuming the value of all referenced credit obligations is zero, was \$11.5 billion and \$11.4 billion at September 30, 2018 and December 31, 2017, respectively. The Company can terminate these contracts at any time through cash settlement with the counterparty at an amount equal to the then current estimated fair value of the credit default swaps. At September 30, 2018 and December 31, 2017, the Company would have received \$221 million and \$271 million, respectively, to terminate all of these contracts.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

The following table presents the estimated fair value, maximum amount of future payments and weighted average years to maturity of written credit default swaps at:

Rating Agency Designation of Referenced Credit Obligations (1)	September 30, 2018			December 31, 2017		
	Estimated Fair Value of Credit Default Swaps (Dollars in millions)	Maximum Amount of Future Credit Payments under Credit Default Swaps	Weighted Average Years to Maturity (2)	Estimated Fair Value of Credit Default Swaps	Maximum Amount of Future Credit Payments under Credit Default Swaps	Weighted Average Years to Maturity (2)
<b>Aaa/Aa/A</b>						
Single name credit default swaps (3)	\$6	\$ 383	1.9	\$7	\$ 375	2.6
Credit default swaps referencing indices	39	2,459	2.1	44	2,268	2.7
Subtotal	45	2,842	2.1	51	2,643	2.7
<b>Baa</b>						
Single name credit default swaps (3)	4	463	1.8	7	605	1.8
Credit default swaps referencing indices	137	7,733	5.2	183	7,662	5.0
Subtotal	141	8,196	5.0	190	8,267	4.8
<b>Ba</b>						
Single name credit default swaps (3)	—	10	1.7	1	115	3.4
Credit default swaps referencing indices	—	—	—	—	—	—
Subtotal	—	10	1.7	1	115	3.4
<b>B</b>						
Single name credit default swaps (3)	—	—	—	2	20	3.5
Credit default swaps referencing indices	35	459	4.7	27	330	5.0
Subtotal	35	459	4.7	29	350	4.9
<b>Total</b>	<b>\$221</b>	<b>\$ 11,507</b>	<b>4.3</b>	<b>\$271</b>	<b>\$ 11,375</b>	<b>4.3</b>

The rating agency designations are based on availability and the midpoint of the applicable ratings among Moody's (1) Investors Service ("Moody's"), S&P Global Ratings ("S&P") and Fitch Ratings. If no rating is available from a rating agency, then an internally developed rating is used.

(2) The weighted average years to maturity of the credit default swaps is calculated based on weighted average gross notional amounts.

(3) Single name credit default swaps may be referenced to the credit of corporations, foreign governments, or state and political subdivisions.

The Company has also entered into credit default swaps to purchase credit protection on certain of the referenced credit obligations in the table above. As a result, the maximum amount of potential future recoveries available to offset the \$11.5 billion and \$11.4 billion of future payments under credit default provisions at September 30, 2018 and December 31, 2017 set forth in the table above was \$16 million and \$27 million at September 30, 2018 and December 31, 2017, respectively.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

## Credit Risk on Freestanding Derivatives

The Company may be exposed to credit-related losses in the event of nonperformance by its counterparties to derivatives. Generally, the current credit exposure of the Company's derivatives is limited to the net positive estimated fair value of derivatives at the reporting date after taking into consideration the existence of master netting or similar agreements and any collateral received pursuant to such agreements.

The Company manages its credit risk related to derivatives by entering into transactions with creditworthy counterparties and establishing and monitoring exposure limits. The Company's OTC-bilateral derivative transactions are governed by ISDA Master Agreements which provide for legally enforceable set-off and close-out netting of exposures to specific counterparties in the event of early termination of a transaction, which includes, but is not limited to, events of default and bankruptcy. In the event of an early termination, the Company is permitted to set off receivables from the counterparty against payables to the same counterparty arising out of all included transactions. Substantially all of the Company's ISDA Master Agreements also include Credit Support Annex provisions which require both the pledging and accepting of collateral in connection with its OTC-bilateral derivatives.

The Company's OTC-cleared derivatives are effected through central clearing counterparties and its exchange-traded derivatives are effected through regulated exchanges. Such positions are marked to market and margined on a daily basis (both initial margin and variation margin), and the Company has minimal exposure to credit-related losses in the event of nonperformance by counterparties to such derivatives.

See Note 8 for a description of the impact of credit risk on the valuation of derivatives.

The estimated fair values of the Company's net derivative assets and net derivative liabilities after the application of master netting agreements and collateral were as follows at:

	September 30, 2018		December 31, 2017	
Derivatives Subject to a Master Netting Arrangement or a Similar Arrangement	Assets	Liabilities	Assets	Liabilities
	(In millions)			
Gross estimated fair value of derivatives:				
OTC-bilateral (1)	\$7,175	\$ 4,387	\$7,955	\$ 4,059
OTC-cleared (1), (6)	190	78	649	223
Exchange-traded	9	14	22	8
Total gross estimated fair value of derivatives (1)	7,374	4,479	8,626	4,290
Amounts offset on the interim condensed consolidated balance sheets	—	—	—	—
Estimated fair value of derivatives presented on the interim condensed consolidated balance sheets (1), (6)	7,374	4,479	8,626	4,290
Gross amounts not offset on the interim condensed consolidated balance sheets:				
Gross estimated fair value of derivatives: (2)				
OTC-bilateral	(2,809 )	(2,809 )	(2,528 )	(2,528 )
OTC-cleared	(7 )	(7 )	(35 )	(35 )
Exchange-traded	(1 )	(1 )	(1 )	(1 )
Cash collateral: (3), (4)				
OTC-bilateral	(3,189 )	(149 )	(4,169 )	—
OTC-cleared	(172 )	(50 )	(584 )	(179 )
Exchange-traded	—	(8 )	—	(5 )
Securities collateral: (5)				
OTC-bilateral	(1,072 )	(1,368 )	(1,004 )	(1,474 )
OTC-cleared	—	(27 )	—	(9 )



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Exchange-traded	—	(5	)	—	(2	)
Net amount after application of master netting agreements and collateral	\$124	\$55		\$305	\$57	

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

At September 30, 2018 and December 31, 2017, derivative assets included income or (expense) accruals reported in accrued investment income or in other liabilities of \$86 million and \$75 million, respectively, and derivative liabilities included (income) or expense accruals reported in accrued investment income or in other liabilities of (\$38) million and (\$49) million, respectively.

(1) Estimated fair value of derivatives is limited to the amount that is subject to set-off and includes income or expense accruals.

Cash collateral received by the Company for OTC-bilateral and OTC-cleared derivatives is included in cash and cash equivalents, short-term investments or in fixed maturity securities AFS, and the obligation to return it is included in payables for collateral under securities loaned and other transactions on the balance sheet.

The receivable for the return of cash collateral provided by the Company is inclusive of initial margin on exchange-traded and OTC-cleared derivatives and is included in premiums, reinsurance and other receivables on the balance sheet. The amount of cash collateral offset in the table above is limited to the net estimated fair value of derivatives after application of netting agreements. At September 30, 2018 and December 31, 2017, the Company received excess cash collateral of \$165 million and \$253 million, respectively, and provided excess cash collateral of \$252 million and \$272 million, respectively, which is not included in the table above due to the foregoing limitation.

Securities collateral received by the Company is held in separate custodial accounts and is not recorded on the balance sheet. Subject to certain constraints, the Company is permitted by contract to sell or re-pledge this collateral, but at September 30, 2018, none of the collateral had been sold or re-pledged. Securities collateral pledged by the Company is reported in fixed maturity securities AFS on the balance sheet. Subject to certain constraints, the counterparties are permitted by contract to sell or re-pledge this collateral. The amount of securities collateral offset in the table above is limited to the net estimated fair value of derivatives after application of netting agreements and cash collateral. At September 30, 2018 and December 31, 2017, the Company received excess securities collateral with an estimated fair value of \$154 million and \$108 million, respectively, for its OTC-bilateral derivatives, which are not included in the table above due to the foregoing limitation. At September 30, 2018 and December 31, 2017, the Company provided excess securities collateral with an estimated fair value of \$254 million and \$305 million, respectively, for its OTC-bilateral derivatives, and \$524 million and \$522 million, respectively, for its OTC-cleared derivatives, and \$84 million and \$89 million, respectively, for its exchange-traded derivatives, which are not included in the table above due to the foregoing limitation.

Effective January 16, 2018, the LCH amended its rulebook, resulting in the characterization of variation margin transfers as settlement payments, as opposed to adjustments to collateral. See Note 1 for further information on the LCH amendments.

The Company's collateral arrangements for its OTC-bilateral derivatives generally require the counterparty in a net liability position, after considering the effect of netting agreements, to pledge collateral when the collateral amount owed by that counterparty reaches a minimum transfer amount. A small number of these arrangements also include credit-contingent provisions that include a threshold above which collateral must be posted. Such agreements provide for a reduction of these thresholds (on a sliding scale that converges toward zero) in the event of downgrades in the credit ratings of MetLife, Inc. and/or the counterparty. In addition, substantially all of the Company's netting agreements for derivatives contain provisions that require both the Company and the counterparty to maintain a specific investment grade credit rating from each of Moody's and S&P. If a party's credit or financial strength rating, as applicable, were to fall below that specific investment grade credit rating, that party would be in violation of these provisions, and the other party to the derivatives could terminate the transactions and demand immediate settlement and payment based on such party's reasonable valuation of the derivatives.

The following table presents the estimated fair value of the Company's OTC-bilateral derivatives that were in a net liability position after considering the effect of netting agreements, together with the estimated fair value and balance sheet location of the collateral pledged. The table also presents the incremental collateral that MetLife, Inc. would be

required to provide if there was a one-notch downgrade in MetLife, Inc.'s senior unsecured debt rating at the reporting date or if the Company's credit or financial strength rating, as applicable, at the reporting date sustained a downgrade to a level that triggered full overnight collateralization or termination of the derivative position. OTC-bilateral derivatives that are not subject to collateral agreements are excluded from this table.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

	September 30, 2018			December 31, 2017		
	Derivatives Subject to Credit-Contingent Provisions	Derivatives Subject to Credit-Contingent Provisions	Total	Derivatives Subject to Credit-Contingent Provisions	Derivatives Subject to Credit-Contingent Provisions	Total
Estimated Fair Value of Derivatives in a Net Liability Position (1)	\$1,546	\$ 32	\$1,578	\$1,508	\$ 24	\$1,532
Estimated Fair Value of Collateral Provided:						
Fixed maturity securities AFS	\$1,514	\$ 22	\$1,536	\$1,675	\$ 26	\$1,701
Cash	\$161	\$ —	\$161	\$—	\$ —	\$—
Estimated Fair Value of Incremental Collateral Provided Upon:						
One-notch downgrade in the Company's credit or financial strength rating, as applicable	\$5	\$ —	\$5	\$15	\$ —	\$15
Downgrade in the Company's credit or financial strength rating, as applicable, to a level that triggers full overnight collateralization or termination of the derivative position	\$5	\$ —	\$5	\$20	\$ —	\$20

(1) After taking into consideration the existence of netting agreements.

Embedded Derivatives

The Company issues certain products or purchases certain investments that contain embedded derivatives that are required to be separated from their host contracts and accounted for as freestanding derivatives. These host contracts principally include: variable annuities with guaranteed minimum benefits, including GMWBs, GMABs and certain GMIBs; ceded reinsurance of guaranteed minimum benefits related to certain GMIBs; assumed reinsurance of guaranteed minimum benefits related to GMWBs and GMABs; funding agreements with equity or bond indexed crediting rates; funds withheld on ceded reinsurance; fixed annuities with equity-indexed returns; and certain debt and equity securities.

The following table presents the estimated fair value and balance sheet location of the Company's embedded derivatives that have been separated from their host contracts at:

	Balance Sheet Location	September 30, 2018		December 31, 2017	
		(In millions)		(In millions)	
Embedded derivatives within asset host contracts:					
Ceded guaranteed minimum benefits	Premiums, reinsurance and other receivables	\$57	\$ 144		
Options embedded in debt or equity securities (1)	Investments	—	(132)		
Embedded derivatives within asset host contracts		\$57	\$ 12		
Embedded derivatives within liability host contracts:					
Direct guaranteed minimum benefits	Policyholder account balances	\$(157)	\$ 32		
Assumed guaranteed minimum benefits	Policyholder account balances	262	291		
Funds withheld on ceded reinsurance	Other liabilities	(11)	25		
Fixed annuities with equity indexed returns	Policyholder account balances	102	70		
Embedded derivatives within liability host contracts		\$196	\$ 418		

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(1) In connection with the adoption of new guidance related to the recognition and measurement of financial instruments (see Note 1), effective January 1, 2018, the Company is no longer required to bifurcate and account separately for derivatives embedded in equity securities. Beginning January 1, 2018, the entire change in fair value of equity securities is recognized as a component of net investment gains and losses.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 7. Derivatives (continued)

The following table presents changes in estimated fair value related to embedded derivatives:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
Net derivative gains (losses) (1)	\$ 167	\$ 301	\$ 355	\$ 549

(In millions)

The valuation of guaranteed minimum benefits includes a nonperformance risk adjustment. The amounts included in net derivative gains (losses) in connection with this adjustment were (\$20) million and (\$25) million for the three months and nine months ended September 30, 2018, respectively, and (\$21) million and (\$162) million for the three months and nine months ended September 30, 2017, respectively.

## 8. Fair Value

When developing estimated fair values, considerable judgment is often required in interpreting market data to develop estimates of fair value, and the use of different assumptions or valuation methodologies may have a material effect on the estimated fair value amounts.

## Recurring Fair Value Measurements

The assets and liabilities measured at estimated fair value on a recurring basis and their corresponding placement in the fair value hierarchy, including those items for which the Company has elected the FVO, are presented below at:

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	September 30, 2018			Total Estimated Fair Value
	Fair Value Hierarchy			
	Level 1	Level 2	Level 3	
	(In millions)			
<b>Assets</b>				
<b>Fixed maturity securities AFS:</b>				
U.S. corporate	\$—	\$79,812	\$3,983	\$83,795
Foreign government	—	60,332	140	60,472
Foreign corporate	—	47,870	6,350	54,220
U.S. government and agency	25,246	20,326	—	45,572
RMBS	—	24,560	3,098	27,658
State and political subdivision	—	11,600	—	11,600
ABS	—	12,030	785	12,815
CMBS	—	8,375	333	8,708
Total fixed maturity securities AFS	25,246	264,905	14,689	304,840
Equity securities	941	95	443	1,479
Unit-linked and FVO Securities (1)	11,235	2,079	226	13,540
Other limited partnership interests	—	—	155	155
Short-term investments (2)	1,615	2,299	654	4,568
Residential mortgage loans — FVO	—	—	323	323
Other investments	85	111	—	196
<b>Derivative assets: (3)</b>				
Interest rate	1	4,046	—	4,047
Foreign currency exchange rate	—	2,234	78	2,312
Credit	—	214	35	249
Equity market	8	603	69	680
Total derivative assets	9	7,097	182	7,288
Embedded derivatives within asset host contracts (4)	—	—	57	57
Separate account assets (5)	83,754	100,653	1,009	185,416
<b>Total assets</b>	<b>\$122,885</b>	<b>\$377,239</b>	<b>\$17,738</b>	<b>\$517,862</b>
<b>Liabilities</b>				
<b>Derivative liabilities: (3)</b>				
Interest rate	\$4	\$316	\$327	\$647
Foreign currency exchange rate	5	2,799	56	2,860
Credit	—	43	—	43
Equity market	5	756	206	967
Total derivative liabilities	14	3,914	589	4,517
Embedded derivatives within liability host contracts (4)	—	—	196	196
Separate account liabilities (5)	—	8	8	16
<b>Total liabilities</b>	<b>\$14</b>	<b>\$3,922</b>	<b>\$793</b>	<b>\$4,729</b>

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	December 31, 2017			Total Estimated Fair Value
	Fair Value Hierarchy			
	Level 1	Level 2	Level 3	
	(In millions)			
<b>Assets</b>				
<b>Fixed maturity securities AFS:</b>				
U.S. corporate	\$—	\$78,171	\$4,490	\$82,661
Foreign government	—	61,325	209	61,534
Foreign corporate	—	48,840	6,729	55,569
U.S. government and agency	26,052	21,342	—	47,394
RMBS	—	25,339	3,461	28,800
State and political subdivision	—	12,455	—	12,455
ABS	—	11,204	1,087	12,291
CMBS	—	7,934	293	8,227
Total fixed maturity securities AFS	26,052	266,610	16,269	308,931
Equity securities	1,104	981	428	2,513
Unit-linked and FVO Securities (1)	14,028	2,355	362	16,745
Short-term investments (2)	3,001	1,252	33	4,286
Residential mortgage loans — FVO	—	—	520	520
Other investments	81	84	—	165
<b>Derivative assets: (3)</b>				
Interest rate	2	5,553	8	5,563
Foreign currency exchange rate	2	1,954	113	2,069
Credit	—	240	38	278
Equity market	18	548	75	641
Total derivative assets	22	8,295	234	8,551
Embedded derivatives within asset host contracts (4)	—	—	144	144
Separate account assets (5)	89,916	114,124	961	205,001
Total assets	\$134,204	\$393,701	\$18,951	\$546,856
<b>Liabilities</b>				
<b>Derivative liabilities: (3)</b>				
Interest rate	\$4	\$638	\$130	\$772
Foreign currency exchange rate	—	2,553	37	2,590
Credit	—	43	—	43
Equity market	4	731	199	934
Total derivative liabilities	8	3,965	366	4,339
Embedded derivatives within liability host contracts (4)	—	—	418	418
Separate account liabilities (5)	—	7	2	9
Total liabilities	\$8	\$3,972	\$786	\$4,766

(1) Unit-linked and FVO Securities were primarily comprised of Unit-linked investments at both September 30, 2018 and December 31, 2017.

(2)



Short-term investments as presented in the tables above differ from the amounts presented on the consolidated balance sheets because certain short-term investments are not measured at estimated fair value on a recurring basis.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

Derivative assets are presented within other invested assets on the interim condensed consolidated balance sheets and derivative liabilities are presented within other liabilities on the interim condensed consolidated balance sheets.

(3) The amounts are presented gross in the tables above to reflect the presentation on the interim condensed consolidated balance sheets, but are presented net for purposes of the rollforward in the Fair Value Measurements Using Significant Unobservable Inputs (Level 3) tables.

Embedded derivatives within asset host contracts are presented within premiums, reinsurance and other receivables and other invested assets on the interim condensed consolidated balance sheets. Embedded derivatives within (4) liability host contracts are presented within policyholder account balances and other liabilities on the interim condensed consolidated balance sheets. At September 30, 2018 and December 31, 2017, debt and equity securities also included embedded derivatives of \$0 and (\$132) million, respectively.

Investment performance related to separate account assets is fully offset by corresponding amounts credited to contractholders whose liability is reflected within separate account liabilities. Separate account liabilities are set (5) equal to the estimated fair value of separate account assets. Separate account liabilities presented in the tables above represent derivative liabilities.

The following describes the valuation methodologies used to measure assets and liabilities at fair value. The description includes the valuation techniques and key inputs for each category of assets or liabilities that are classified within Level 2 and Level 3 of the fair value hierarchy.

## Investments

## Valuation Controls and Procedures

On behalf of the Company's Chief Investment Officer and Chief Financial Officer ("CFO"), a pricing and valuation committee that is independent of the trading and investing functions and comprised of senior management provides oversight of control systems and valuation policies for securities, mortgage loans and derivatives. On a quarterly basis, this committee reviews and approves new transaction types and markets, ensures that observable market prices and market-based parameters are used for valuation, wherever possible, and determines that judgmental valuation adjustments, when applied, are based upon established policies and are applied consistently over time. This committee also provides oversight of the selection of independent third-party pricing providers and the controls and procedures to evaluate third-party pricing. Periodically, the Chief Accounting Officer reports to the Audit Committee of MetLife, Inc.'s Board of Directors regarding compliance with fair value accounting standards.

The Company reviews its valuation methodologies on an ongoing basis and revises those methodologies when necessary based on changing market conditions. Assurance is gained on the overall reasonableness and consistent application of input assumptions, valuation methodologies and compliance with fair value accounting standards through controls designed to ensure valuations represent an exit price. Several controls are utilized, including certain monthly controls, which include, but are not limited to, analysis of portfolio returns to corresponding benchmark returns, comparing a sample of executed prices of securities sold to the fair value estimates, comparing fair value estimates to management's knowledge of the current market, reviewing the bid/ask spreads to assess activity, comparing prices from multiple independent pricing services and ongoing due diligence to confirm that independent pricing services use market-based parameters. The process includes a determination of the observability of inputs used in estimated fair values received from independent pricing services or brokers by assessing whether these inputs can be corroborated by observable market data. The Company ensures that prices received from independent brokers, also referred to herein as "consensus pricing," represent a reasonable estimate of fair value by considering such pricing relative to the Company's knowledge of the current market dynamics and current pricing for similar financial instruments. While independent non-binding broker quotations are utilized, they are not used for a significant portion of the portfolio. For example, fixed maturity securities AFS priced using independent non-binding broker quotations represent less than 1% of the total estimated fair value of fixed maturity securities AFS and 3% of the total estimated fair value of Level 3 fixed maturity securities AFS at September 30, 2018.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

8. Fair Value (continued)

The Company also applies a formal process to challenge any prices received from independent pricing services that are not considered representative of estimated fair value. If prices received from independent pricing services are not considered reflective of market activity or representative of estimated fair value, independent non-binding broker quotations are obtained, or an internally developed valuation is prepared. Internally developed valuations of current estimated fair value, which reflect internal estimates of liquidity and nonperformance risks, compared with pricing received from the independent pricing services, did not produce material differences in the estimated fair values for the majority of the portfolio; accordingly, overrides were not material. This is, in part, because internal estimates of liquidity and nonperformance risks are generally based on available market evidence and estimates used by other market participants. In the absence of such market-based evidence, management's best estimate is used.

Securities, Short-term Investments and Other Investments

When available, the estimated fair value of these financial instruments is based on quoted prices in active markets that are readily and regularly obtainable. Generally, these are the most liquid of the Company's securities holdings and valuation of these securities does not involve management's judgment.

When quoted prices in active markets are not available, the determination of estimated fair value is based on market standard valuation methodologies, giving priority to observable inputs. The significant inputs to the market standard valuation methodologies for certain types of securities with reasonable levels of price transparency are inputs that are observable in the market or can be derived principally from, or corroborated by, observable market data. When observable inputs are not available, the market standard valuation methodologies rely on inputs that are significant to the estimated fair value that are not observable in the market or cannot be derived principally from, or corroborated by, observable market data. These unobservable inputs can be based in large part on management's judgment or estimation and cannot be supported by reference to market activity. Even though these inputs are unobservable, management believes they are consistent with what other market participants would use when pricing such securities and are considered appropriate given the circumstances.

The estimated fair value of other investments is determined on a basis consistent with the methodologies described herein for securities.

Other Limited Partnership Interests

The estimated fair values of other limited partnership interests are generally based on the Company's share of the net asset value ("NAV") of the other limited partnership interests as provided on the financial statements of the investee. In certain circumstances, management may adjust the NAV when it has sufficient evidence to support applying such adjustments.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

The valuation of most instruments listed below is determined using independent pricing sources, matrix pricing, discounted cash flow methodologies or other similar techniques that use either observable market inputs or unobservable inputs.

Instrument	Level 2 Observable Inputs	Level 3 Unobservable Inputs
Fixed maturity securities AFS		
U.S. corporate and Foreign corporate securities	<p>Valuation Approaches: Principally the market and income approaches.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•quoted prices in markets that are not active</li> <li>•benchmark yields; spreads off benchmark yields; new issuances; issuer rating</li> <li>•trades of identical or comparable securities; duration</li> <li>•Privately-placed securities are valued using the additional key inputs: <ul style="list-style-type: none"> <li>•market yield curve; call provisions</li> <li>•observable prices and spreads for similar public or private securities that incorporate the credit quality and industry sector of the issuer</li> <li>•delta spread adjustments to reflect specific credit-related issues</li> </ul> </li> </ul>	<p>Valuation Approaches: Principally the market approach.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•illiquidity premium</li> <li>•delta spread adjustments to reflect specific credit-related issues</li> <li>•credit spreads</li> <li>•quoted prices in markets that are not active for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2</li> <li>•independent non-binding broker quotations</li> </ul>
Foreign government, U.S. government and agency and State and political subdivision securities	<p>Valuation Approaches: Principally the market approach.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•quoted prices in markets that are not active</li> <li>•benchmark U.S. Treasury yield or other yields</li> <li>•the spread off the U.S. Treasury yield curve for the identical security</li> <li>•issuer ratings and issuer spreads; broker-dealer quotes</li> <li>•comparable securities that are actively traded</li> </ul>	<p>Valuation Approaches: Principally the market approach.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•independent non-binding broker quotations</li> <li>•quoted prices in markets that are not active for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2</li> <li>•credit spreads</li> </ul>
Structured Securities	<p>Valuation Approaches: Principally the market and income approaches.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•quoted prices in markets that are not active</li> <li>•spreads for actively traded securities; spreads off benchmark yields</li> <li>•expected prepayment speeds and volumes</li> <li>•</li> </ul>	<p>Valuation Approaches: Principally the market and income approaches.</p> <p>Key Inputs:</p> <ul style="list-style-type: none"> <li>•credit spreads</li> <li>•quoted prices in markets that are not active for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2</li> <li>•independent non-binding broker quotations</li> </ul>

- current and forecasted loss severity; ratings;
- geographic region
- weighted average coupon and weighted average maturity
- average delinquency rates; debt-service coverage ratios
- issuance-specific information, including, but not limited to:
  - collateral type; structure of the security; vintage of the loans
  - payment terms of the underlying assets
  - payment priority within the tranche; deal performance

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

8. Fair Value (continued)

Level 2 Instrument Observable Inputs	Level 3 Unobservable Inputs
Equity securities	
Valuation Approaches:	Valuation Approaches: Principally the market and income approaches.
Principally the market approach.	
Key Input:	Key Inputs:
<ul style="list-style-type: none"> <li>• quoted prices in markets that are not considered active</li> </ul>	<ul style="list-style-type: none"> <li>• credit ratings; issuance structures</li> <li>• quoted prices in markets that are not active for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2</li> <li>• independent non-binding broker quotations</li> </ul>
Unit-linked and FVO Securities, Short-term investments, Other limited partnership interests and Other investments	
<ul style="list-style-type: none"> <li>• Unit-linked and FVO Securities include mutual fund interests without readily determinable fair values given prices are not published publicly. Valuation of these mutual funds is based upon quoted prices or reported NAV provided by</li> </ul>	<ul style="list-style-type: none"> <li>• Unit-linked and FVO Securities and short-term investments are of a similar nature and class to the fixed maturity securities AFS and equity securities described above; accordingly, the valuation approaches and unobservable inputs used in their valuation are also similar to those described above.</li> </ul>

the fund managers, which were based on observable inputs. Short-term investments and other investments are of a similar nature and class to the fixed maturity securities AFS and equity securities described above;

- accordingly, the valuation approaches and observable inputs used in their valuation are also similar to those described above.
- Valuation approaches for other limited partnership interests are discussed below.

Residential mortgage loans — FVO

- N/A Valuation Approaches: Principally the market approach.  
Valuation Techniques and Key Inputs: These investments are based primarily on matrix pricing or other similar techniques that utilize inputs from mortgage servicers that are unobservable or cannot be derived principally from, or corroborated by, observable market data.

Separate account assets and Separate account liabilities (1)

Mutual funds and hedge funds without readily determinable fair values as prices are not published publicly

- Key Input: •N/A
- quoted prices or reported NAV provided by the fund



managers

Other limited partnership interests

- N/A
  - Valued giving consideration to the underlying holdings of the partnerships and adjusting, if appropriate.
- Key Inputs:
- liquidity; bid/ask spreads; performance record of the fund manager
  - other relevant variables that may impact the exit value of the particular partnership interest

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(1) Estimated fair value equals carrying value, based on the value of the underlying assets, including: mutual fund interests, fixed maturity securities AFS, equity securities, derivatives, hedge funds, other limited partnership interests, short-term investments and cash and cash equivalents. Fixed maturity securities AFS, equity securities, derivatives, short-term investments and cash and cash equivalents are similar in nature to the instruments described under “— Securities, Short-term Investments and Other Investments,” “— Other Limited Partnership Interests” and “— Derivatives — Freestanding Derivatives.”

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

## Derivatives

The estimated fair value of derivatives is determined through the use of quoted market prices for exchange-traded derivatives, or through the use of pricing models for OTC-bilateral and OTC-cleared derivatives. The determination of estimated fair value, when quoted market values are not available, is based on market standard valuation methodologies and inputs that management believes are consistent with what other market participants would use when pricing such instruments. Derivative valuations can be affected by changes in interest rates, foreign currency exchange rates, financial indices, credit spreads, default risk, nonperformance risk, volatility, liquidity and changes in estimates and assumptions used in the pricing models. The valuation controls and procedures for derivatives are described in “— Investments.”

The significant inputs to the pricing models for most OTC-bilateral and OTC-cleared derivatives are inputs that are observable in the market or can be derived principally from, or corroborated by, observable market data. Certain OTC-bilateral and OTC-cleared derivatives may rely on inputs that are significant to the estimated fair value that are not observable in the market or cannot be derived principally from, or corroborated by, observable market data. These unobservable inputs may involve significant management judgment or estimation. Even though unobservable, these inputs are based on assumptions deemed appropriate given the circumstances and management believes they are consistent with what other market participants would use when pricing such instruments.

Most inputs for OTC-bilateral and OTC-cleared derivatives are mid-market inputs but, in certain cases, liquidity adjustments are made when they are deemed more representative of exit value. Market liquidity, as well as the use of different methodologies, assumptions and inputs, may have a material effect on the estimated fair values of the Company’s derivatives and could materially affect net income.

The credit risk of both the counterparty and the Company are considered in determining the estimated fair value for all OTC-bilateral and OTC-cleared derivatives, and any potential credit adjustment is based on the net exposure by counterparty after taking into account the effects of netting agreements and collateral arrangements. The Company values its OTC-bilateral and OTC-cleared derivatives using standard swap curves which may include a spread to the risk-free rate, depending upon specific collateral arrangements. This credit spread is appropriate for those parties that execute trades at pricing levels consistent with similar collateral arrangements. As the Company and its significant derivative counterparties generally execute trades at such pricing levels and hold sufficient collateral, additional credit risk adjustments are not currently required in the valuation process. The Company’s ability to consistently execute at such pricing levels is in part due to the netting agreements and collateral arrangements that are in place with all of its significant derivative counterparties. An evaluation of the requirement to make additional credit risk adjustments is performed by the Company each reporting period.

## Freestanding Derivatives

## Level 2 Valuation Approaches and Key Inputs:

This level includes all types of derivatives utilized by the Company with the exception of exchange-traded derivatives included within Level 1 and those derivatives with unobservable inputs as described in Level 3.

## Level 3 Valuation Approaches and Key Inputs:

These valuation methodologies generally use the same inputs as described in the corresponding sections for Level 2 measurements of derivatives. However, these derivatives result in Level 3 classification because one or more of the significant inputs are not observable in the market or cannot be derived principally from, or corroborated by, observable market data.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

Freestanding derivatives are principally valued using the income approach. Valuations of non-option-based derivatives utilize present value techniques, whereas valuations of option-based derivatives utilize option pricing models. Key inputs are as follows:

Instrument	Interest Rate	Foreign Currency Exchange Rate	Credit	Equity Market
Inputs common to Level 2 and Level 3 by instrument type	• swap yield curves	• swap yield curves	• swap yield curves	• swap yield curves
	• basis curves	• basis curves	• credit curves	• spot equity index levels
Level 3	• interest rate volatility (1)	• currency spot rates	• recovery rates	• dividend yield curves
		• cross currency basis curves		• equity volatility (1)
	• swap yield curves (2)	• swap yield curves (2)	• swap yield curves (2)	• dividend yield curves (2)
	• basis curves (2)	• basis curves (2)	• credit curves (2)	• equity volatility (1), (2)
	• repurchase rates	• cross currency basis curves (2)	• credit spreads	• correlation between model inputs (1)
		• currency correlation	• repurchase rates	
		• currency volatility (1)	• independent non-binding broker quotations	

(1) Option-based only.

(2) Extrapolation beyond the observable limits of the curve(s).

Embedded Derivatives

Embedded derivatives principally include certain direct, assumed and ceded variable annuity guarantees, equity or bond indexed crediting rates within certain funding agreements and annuity contracts, and those related to funds withheld on ceded reinsurance agreements. Embedded derivatives are recorded at estimated fair value with changes in estimated fair value reported in net income.

The Company issues certain variable annuity products with guaranteed minimum benefits. GMWBs, GMABs and certain GMIBs contain embedded derivatives, which are measured at estimated fair value separately from the host variable annuity contract, with changes in estimated fair value reported in net derivative gains (losses). These embedded derivatives are classified within policyholder account balances on the consolidated balance sheets.

The Company's actuarial department calculates the fair value of these embedded derivatives, which are estimated as the present value of projected future benefits minus the present value of projected future fees using actuarial and capital market assumptions including expectations concerning policyholder behavior. The calculation is based on in-force business, and is performed using standard actuarial valuation software which projects future cash flows from the embedded derivative over multiple risk neutral stochastic scenarios using observable risk-free rates.

Capital market assumptions, such as risk-free rates and implied volatilities, are based on market prices for publicly traded instruments to the extent that prices for such instruments are observable. Implied volatilities beyond the observable period are extrapolated based on observable implied volatilities and historical volatilities. Actuarial assumptions, including mortality, lapse, withdrawal and utilization, are unobservable and are reviewed at least annually based on actuarial studies of historical experience.

The valuation of these guarantee liabilities includes nonperformance risk adjustments and adjustments for a risk margin related to non-capital market inputs. The nonperformance adjustment is determined by taking into consideration publicly available information relating to spreads in the secondary market for MetLife, Inc.'s debt, including related credit default swaps. These observable spreads are then adjusted, as necessary, to reflect the priority of these liabilities and the claims paying ability of the issuing insurance subsidiaries as compared to MetLife, Inc.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

Risk margins are established to capture the non-capital market risks of the instrument which represent the additional compensation a market participant would require to assume the risks related to the uncertainties of such actuarial assumptions as annuitization, premium persistency, partial withdrawal and surrenders. The establishment of risk margins requires the use of significant management judgment, including assumptions of the amount and cost of capital needed to cover the guarantees. These guarantees may be more costly than expected in volatile or declining equity markets. Market conditions including, but not limited to, changes in interest rates, equity indices, market volatility and foreign currency exchange rates; changes in nonperformance risk; and variations in actuarial assumptions regarding policyholder behavior, mortality and risk margins related to non-capital market inputs, may result in significant fluctuations in the estimated fair value of the guarantees that could materially affect net income.

The Company ceded the risk associated with certain of the GMIBs previously described. These reinsurance agreements contain embedded derivatives which are included within premiums, reinsurance and other receivables on the consolidated balance sheets with changes in estimated fair value reported in net derivative gains (losses) or policyholder benefits and claims depending on the statement of operations classification of the direct risk. The value of the embedded derivatives on the ceded risk is determined using a methodology consistent with that described previously for the guarantees directly written by the Company with the exception of the input for nonperformance risk that reflects the credit of the reinsurer.

The estimated fair value of the embedded derivatives within funds withheld related to certain ceded reinsurance is determined based on the change in estimated fair value of the underlying assets held by the Company in a reference portfolio backing the funds withheld liability. The estimated fair value of the underlying assets is determined as described in “— Investments — Securities, Short-term Investments and Other Investments.” The estimated fair value of these embedded derivatives is included, along with their funds withheld hosts, in other liabilities on the consolidated balance sheets with changes in estimated fair value recorded in net derivative gains (losses). Changes in the credit spreads on the underlying assets, interest rates and market volatility may result in significant fluctuations in the estimated fair value of these embedded derivatives that could materially affect net income.

The estimated fair value of the embedded equity and bond indexed derivatives contained in certain funding agreements is determined using market standard swap valuation models and observable market inputs, including a nonperformance risk adjustment. The estimated fair value of these embedded derivatives are included, along with their funding agreements host, within policyholder account balances with changes in estimated fair value recorded in net derivative gains (losses). Changes in equity and bond indices, interest rates and the Company’s credit standing may result in significant fluctuations in the estimated fair value of these embedded derivatives that could materially affect net income.

The Company issues certain annuity contracts which allow the policyholder to participate in returns from equity indices. These equity indexed features are embedded derivatives which are measured at estimated fair value separately from the host fixed annuity contract, with changes in estimated fair value reported in net derivative gains (losses). These embedded derivatives are classified within policyholder account balances on the consolidated balance sheets. The estimated fair value of the embedded equity indexed derivatives, based on the present value of future equity returns to the policyholder using actuarial and present value assumptions including expectations concerning policyholder behavior, is calculated by the Company’s actuarial department. The calculation is based on in-force business and uses standard capital market techniques, such as Black-Scholes, to calculate the value of the portion of the embedded derivative for which the terms are set. The portion of the embedded derivative covering the period beyond where terms are set is calculated as the present value of amounts expected to be spent to provide equity indexed returns in those periods. The valuation of these embedded derivatives also includes the establishment of a risk margin, as well as changes in nonperformance risk.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

8. Fair Value (continued)

Embedded Derivatives Within Asset and Liability Host Contracts

Level 3 Valuation Approaches and Key Inputs:

Direct and assumed guaranteed minimum benefits

These embedded derivatives are principally valued using the income approach. Valuations are based on option pricing techniques, which utilize significant inputs that may include swap yield curves, currency exchange rates and implied volatilities. These embedded derivatives result in Level 3 classification because one or more of the significant inputs are not observable in the market or cannot be derived principally from, or corroborated by, observable market data. Significant unobservable inputs generally include: the extrapolation beyond observable limits of the swap yield curves and implied volatilities, actuarial assumptions for policyholder behavior and mortality and the potential variability in policyholder behavior and mortality, nonperformance risk and cost of capital for purposes of calculating the risk margin.

Reinsurance ceded on certain guaranteed minimum benefits

These embedded derivatives are principally valued using the income approach. The valuation techniques and significant market standard unobservable inputs used in their valuation are similar to those described above in “— Direct and assumed guaranteed minimum benefits” and also include counterparty credit spreads.

Transfers between Levels

Overall, transfers between levels occur when there are changes in the observability of inputs and market activity.

Transfers into or out of any level are assumed to occur at the beginning of the period.

Transfers between Levels 1 and 2:

There were no transfers between Levels 1 and 2 for assets and liabilities measured at estimated fair value and still held at September 30, 2018 and December 31, 2017.

Transfers into or out of Level 3:

Assets and liabilities are transferred into Level 3 when a significant input cannot be corroborated with market observable data. This occurs when market activity decreases significantly and underlying inputs cannot be observed, current prices are not available, and/or when there are significant variances in quoted prices, thereby affecting transparency. Assets and liabilities are transferred out of Level 3 when circumstances change such that a significant input can be corroborated with market observable data. This may be due to a significant increase in market activity, a specific event, or one or more significant input(s) becoming observable.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

## Assets and Liabilities Measured at Fair Value Using Significant Unobservable Inputs (Level 3)

The following table presents certain quantitative information about the significant unobservable inputs used in the fair value measurement, and the sensitivity of the estimated fair value to changes in those inputs, for the more significant asset and liability classes measured at fair value on a recurring basis using significant unobservable inputs (Level 3) at:

			September 30, 2018		December 31, 2017		Impact of Increase in Input on Estimated Fair Value (2)		
	Valuation Techniques	Significant Unobservable Inputs	Range		Weighted Average (1)	Range		Weighted Average (1)	
Fixed maturity securities AFS (3)									
U.S. corporate and foreign corporate	• Matrix pricing	• Offered quotes (4)	85	-126	104	83	-142	110	Increase
	• Market pricing	• Quoted prices (4)	37	-703	128	10	-443	121	Increase
	• Consensus pricing	• Offered quotes (4)	98	-108	100	97	-104	101	Increase
RMBS	• Market pricing	• Quoted prices (4)	—	-109	94	—	-126	94	Increase (5)
ABS	• Market pricing	• Quoted prices (4)	3	-117	100	5	-117	100	Increase (5)
	• Consensus pricing	• Offered quotes (4)	99	-102	100	100	-103	100	Increase (5)
Derivatives									
Interest rate	Present value techniques	• Swap yield (6)	310	-331		200	-300		Increase (7)
		• Repurchase rates (8)	(5)	-55		(5)	-5		Decrease (7)
Foreign currency exchange rate	Present value techniques	• Swap yield (6)	(60)	-328		(14)	-309		Increase (7)
Credit	Present value techniques	• Credit spreads (9)	96	-100		—	—		Decrease (7)
	Consensus pricing	• Offered quotes (10)							
Equity market	Present value techniques or option pricing models	• Volatility (11)	11%	-26%		11%	-31%		Increase (7)
		• Correlation (12)	10%	-30%		10%	-30%		
Embedded derivatives									

Direct, assumed and ceded guaranteed minimum benefits	Option •pricing techniques	•Mortality rates:				
		Ages 0 - 40	0% -0.21%	0% -0.21%		Decrease (13)
		Ages 41 - 60	0.03%-0.80%	0.03%-0.75%		Decrease (13)
		Ages 61 - 115	0.15%-100%	0.15%-100%		Decrease (13)
		•Lapse rates:				
		Durations 1 - 10	0.25%-100%	0.25%-100%		Decrease (14)
		Durations 11 - 20	2% -100%	2% -100%		Decrease (14)
		Durations 21 - 116	1.25%-100%	1.25%-100%		Decrease (14)
		•Utilization rates	0% -25%	0% -25%		Increase (15)
		•Withdrawal rates	0% -20%	0% -20%		(16)
		Long-term equity	7.21%-33%	8.25%-33%		Increase (17)
		volatilities				
		•Nonperformance risk spread	0.03%-1.51%	0.02%-1.32%		Decrease (18)

(1) The weighted average for fixed maturity securities AFS is determined based on the estimated fair value of the securities.

The impact of a decrease in input would have the opposite impact on estimated fair value. For embedded derivatives, changes to direct and assumed guaranteed minimum benefits are based on liability positions; changes to ceded guaranteed minimum benefits are based on asset positions.

(3) Significant increases (decreases) in expected default rates in isolation would result in substantially lower (higher) valuations.

(4) Range and weighted average are presented in accordance with the market convention for fixed maturity securities AFS of dollars per hundred dollars of par.

Changes in the assumptions used for the probability of default are accompanied by a directionally similar change in the assumption used for the loss severity and a directionally opposite change in the assumptions used for prepayment rates.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

Ranges represent the rates across different yield curves and are presented in basis points. The swap yield curves are utilized among different types of derivatives to project cash flows, as well as to discount future cash flows to present value. Since this valuation methodology uses a range of inputs across a yield curve to value the derivative, presenting a range is more representative of the unobservable input used in the valuation.

(6) Changes in estimated fair value are based on long U.S. dollar net asset positions and will be inversely impacted for short U.S. dollar net asset positions.

(7) Ranges represent different repurchase rates utilized as components within the valuation methodology and are presented in basis points.

(8) Represents the risk quoted in basis points of a credit default event on the underlying instrument. Credit derivatives with significant unobservable inputs are primarily comprised of written credit default swaps.

(9) At both September 30, 2018 and December 31, 2017, independent non-binding broker quotations were used in the determination of less than 1% of the total net derivative estimated fair value.

(10) Ranges represent the underlying equity volatility quoted in percentage points. Since this valuation methodology uses a range of inputs across multiple volatility surfaces to value the derivative, presenting a range is more representative of the unobservable input used in the valuation.

(11) Ranges represent the different correlation factors utilized as components within the valuation methodology. Presenting a range of correlation factors is more representative of the unobservable input used in the valuation. Increases (decreases) in correlation in isolation will increase (decrease) the significance of the change in valuations.

(12) Mortality rates vary by age and by demographic characteristics such as gender. Mortality rate assumptions are based on company experience. A mortality improvement assumption is also applied. For any given contract, mortality rates vary throughout the period over which cash flows are projected for purposes of valuing the embedded derivative.

(13) Base lapse rates are adjusted at the contract level based on a comparison of the actuarially calculated guaranteed values and the current policyholder account value, as well as other factors, such as the applicability of any surrender charges. A dynamic lapse function reduces the base lapse rate when the guaranteed amount is greater than the account value as in the money contracts are less likely to lapse. Lapse rates are also generally assumed to be lower in periods when a surrender charge applies. For any given contract, lapse rates vary throughout the period over which cash flows are projected for purposes of valuing the embedded derivative.

(14) The utilization rate assumption estimates the percentage of contractholders with a GMIB or lifetime withdrawal benefit who will elect to utilize the benefit upon becoming eligible. The rates may vary by the type of guarantee, the amount by which the guaranteed amount is greater than the account value, the contract's withdrawal history and by the age of the policyholder. For any given contract, utilization rates vary throughout the period over which cash flows are projected for purposes of valuing the embedded derivative.

(15) The withdrawal rate represents the percentage of account balance that any given policyholder will elect to withdraw from the contract each year. The withdrawal rate assumption varies by age and duration of the contract, and also by other factors such as benefit type. For any given contract, withdrawal rates vary throughout the period over which cash flows are projected for purposes of valuing the embedded derivative. For GMWBs, any increase (decrease) in withdrawal rates results in an increase (decrease) in the estimated fair value of the guarantees. For GMABs and GMIBs, any increase (decrease) in withdrawal rates results in a decrease (increase) in the estimated fair value.

(16) Long-term equity volatilities represent equity volatility beyond the period for which observable equity volatilities are available. For any given contract, long-term equity volatility rates vary throughout the period over which cash flows are projected for purposes of valuing the embedded derivative.

(17)

Nonperformance risk spread varies by duration and by currency. For any given contract, multiple nonperformance risk spreads will apply, depending on the duration of the cash flow being discounted for purposes of valuing the embedded derivative.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

The following is a summary of the valuation techniques and significant unobservable inputs used in the fair value measurement of assets and liabilities classified within Level 3 that are not included in the preceding table. Generally, all other classes of securities classified within Level 3, including those within separate account assets, and embedded derivatives within funds withheld related to certain ceded reinsurance, use the same valuation techniques and significant unobservable inputs as previously described for Level 3 securities. This includes matrix pricing and discounted cash flow methodologies, inputs such as quoted prices for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2, as well as independent non-binding broker quotations. The residential mortgage loans — FVO are valued using independent non-binding broker quotations and internal models including matrix pricing and discounted cash flow methodologies using current interest rates. Other limited partnership interests valuations are generally based on the Company's share of the NAV as provided on the financial statements of the investees. In certain circumstances, management may adjust the NAV when it has sufficient evidence to support applying such adjustments. The sensitivity of the estimated fair value to changes in the significant unobservable inputs for these other assets and liabilities is similar in nature to that described in the preceding table.

The following tables summarize the change of all assets (liabilities) measured at estimated fair value on a recurring basis using significant unobservable inputs (Level 3):

## Fair Value Measurements Using Significant Unobservable Inputs (Level 3)

## Fixed Maturity Securities AFS

	Corporate (1)	Foreign Government (2)	Structured Securities (3)	State and Political Subdivision (4)	Equity Securities (5)	Unit-linked and FVO Securities (6)
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(In millions)

## Three Months Ended September 30, 2018

Balance, beginning of period	\$ 10,621	\$ 156	\$ 4,677	\$ 8	\$ 408	\$ 269
Total realized/unrealized gains (losses) included in net income (loss) (2), (3)	2	—	30	—	(1)	(2)
Total realized/unrealized gains (losses) included in AOCI	(176)	(4)	(15)	—	—	—
Purchases (4)	594	4	746	—	6	48
Sales (4)	(497)	(6)	(281)	—	(7)	(32)
Issuances (4)	—	—	—	—	—	—
Settlements (4)	—	—	—	—	—	—
Transfers into Level 3 (5)	84	5	36	—	45	12
Transfers out of Level 3 (5)	(295)	(15)	(977)	(8)	(8)	(69)
Balance, end of period	\$ 10,333	\$ 140	\$ 4,216	\$ —	\$ 443	\$ 226
Three Months Ended September 30, 2017						
Balance, beginning of period	\$ 11,632	\$ 208	\$ 4,939	\$ —	\$ 468	\$ 312
Total realized/unrealized gains (losses) included in net income (loss) (2), (3)	(3)	1	13	—	(1)	7
Total realized/unrealized gains (losses) included in AOCI	164	(2)	31	—	(4)	—
Purchases (4)	713	—	468	—	13	73
Sales (4)	(285)	—	(478)	(1)	(52)	(70)
Issuances (4)	—	—	—	—	—	—
Settlements (4)	—	—	—	—	—	—

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Transfers into Level 3 (5)	123	—	—	62	—	3
Transfers out of Level 3 (5)	(226 )	(9 )	(440 )	—	—	(21 )
Balance, end of period	\$12,118	\$ 198	\$ 4,533	\$ 61	\$ 424	\$ 304
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2018 (6)	\$2	\$ —	\$ 27	\$ —	\$ —	\$ (2 )
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2017 (6)	\$(2 )	\$ 1	\$ 22	\$ —	\$(2 )	\$ 7

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3)					
	Other Limited- Partner Interests (In millions)	Short-term Investments	Residential Mortgage Loans — FVO	Net Derivatives (7)	Net Embedded Derivatives (8)	Separate Accounts (9)
Three Months Ended September 30, 2018						
Balance, beginning of period	\$ 168	\$ 559	\$ 405	\$ (267 )	\$ (240 )	\$ 1,138
Total realized/unrealized gains (losses) included in net income (loss) (2) (3)	11	—	4	(70 )	167	2
Total realized/unrealized gains (losses) included in AOCI	(4 )	(3 )	—	(107 )	9	—
Purchases (4)	1	102	—	—	—	148
Sales (4)	(21 )	(2 )	(70 )	—	—	(215 )
Issuances (4)	—	—	—	—	—	—
Settlements (4)	—	—	(16 )	37	(75 )	—
Transfers into Level 3 (5)	—	—	—	—	—	5
Transfers out of Level 3 (5)	—	(2 )	—	—	—	(77 )
Balance, end of period	\$ 155	\$ 654	\$ 323	\$ (407 )	\$ (139 )	\$ 1,001
Three Months Ended September 30, 2017						
Balance, beginning of period	\$—	\$ 822	\$ 615	\$ (288 )	\$ (646 )	\$ 959
Total realized/unrealized gains (losses) included in net income (loss) (2) (3)	—	—	32	33	291	7
Total realized/unrealized gains (losses) included in AOCI	—	—	—	4	4	—
Purchases (4)	—	1	10	—	—	136
Sales (4)	—	(247 )	(72 )	—	—	(18 )
Issuances (4)	—	—	—	—	—	1
Settlements (4)	—	—	(21 )	(12 )	(92 )	(1 )
Transfers into Level 3 (5)	—	2	—	—	—	56
Transfers out of Level 3 (5)	—	(175 )	—	—	—	(101 )
Balance, end of period	\$—	\$ 403	\$ 564	\$ (263 )	\$ (443 )	\$ 1,039
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2018 (6)	\$ 11	\$ —	\$ (5 )	\$ (38 )	\$ 168	\$ —
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2017 (6)	\$—	\$ —	\$ 32	\$ 27	\$ 271	\$ —

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3)					
	Fixed Maturity Securities AFS					
	Corporate	Foreign (1) Government	Structured Securities	State and Political Subdivision	Equity Securities	Unit-linked and FVO Securities
	(In millions)					
Nine Months Ended September 30, 2018						
Balance, beginning of period	\$ 11,219	\$ 209	\$ 4,841	\$ —	\$ 428	\$ 362
Total realized/unrealized gains (losses) included in net income (loss) (2), (3)	13	1	73	—	(11 )	(7 )
Total realized/unrealized gains (losses) included in AOCI	(621 )	(16 )	1	—	—	—
Purchases (4)	1,606	5	919	—	11	77
Sales (4)	(1,366 )	(21 )	(788 )	—	(20 )	(162 )
Issuances (4)	—	—	—	—	—	—
Settlements (4)	—	—	—	—	—	—
Transfers into Level 3 (5)	88	—	50	—	45	10
Transfers out of Level 3 (5)	(606 )	(38 )	(880 )	—	(10 )	(54 )
Balance, end of period	\$ 10,333	\$ 140	\$ 4,216	\$ —	\$ 443	\$ 226
Nine Months Ended September 30, 2017						
Balance, beginning of period	\$ 11,537	\$ 289	\$ 5,215	\$ 10	\$ 468	\$ 287
Total realized/unrealized gains (losses) included in net income (loss) (2), (3)	6	3	80	—	(14 )	20
Total realized/unrealized gains (losses) included in AOCI	612	4	118	2	30	—
Purchases (4)	2,802	7	867	—	18	209
Sales (4)	(1,487 )	(97 )	(1,329 )	—	(74 )	(115 )
Issuances (4)	—	—	—	—	—	—
Settlements (4)	—	—	—	—	—	—
Transfers into Level 3 (5)	83	—	10	59	—	3
Transfers out of Level 3 (5)	(1,435 )	(8 )	(428 )	(10 )	(4 )	(100 )
Balance, end of period	\$ 12,118	\$ 198	\$ 4,533	\$ 61	\$ 424	\$ 304
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2018 (6)	\$ 3	\$ 1	\$ 66	\$ —	\$ —	\$ (8 )
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2017 (6)	\$ 6	\$ 3	\$ 68	\$ —	\$ (12 )	\$ 16

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3)					
	Other Limited- Partner Interests (In millions)	Short-term Investments	Residential Mortgage Loans — FVO	Net Derivatives (7)	Net Embedded Derivatives (8)	Separate Accounts (9)
Nine Months Ended September 30, 2018						
Balance, beginning of period	\$—	\$ 33	\$ 520	\$ (132 )	\$ (274 )	\$ 959
Total realized/unrealized gains (losses) included in net income (loss) (2) (3)	6	—	7	(151 )	355	2
Total realized/unrealized gains (losses) included in AOCI	—	(7 )	—	(228 )	6	—
Purchases (4)	1	659	—	4	—	200
Sales (4)	(68 )	(11 )	(151 )	—	—	(162 )
Issuances (4)	—	—	—	—	—	(3 )
Settlements (4)	—	—	(53 )	100	(226 )	—
Transfers into Level 3 (5)	216	—	—	—	—	81
Transfers out of Level 3 (5)	—	(20 )	—	—	—	(76 )
Balance, end of period	\$155	\$ 654	\$ 323	\$ (407 )	\$ (139 )	\$ 1,001
Nine Months Ended September 30, 2017						
Balance, beginning of period	\$—	\$ 46	\$ 566	\$ (562 )	\$ (729 )	\$ 1,141
Total realized/unrealized gains (losses) included in net income (loss) (2) (3)	—	—	38	47	573	(22 )
Total realized/unrealized gains (losses) included in AOCI	—	—	—	144	(42 )	—
Purchases (4)	—	401	184	—	—	271
Sales (4)	—	(2 )	(155 )	—	—	(78 )
Issuances (4)	—	—	—	(7 )	—	1
Settlements (4)	—	—	(69 )	115	(245 )	(62 )
Transfers into Level 3 (5)	—	2	—	—	—	21
Transfers out of Level 3 (5)	—	(44 )	—	—	—	(233 )
Balance, end of period	\$—	\$ 403	\$ 564	\$ (263 )	\$ (443 )	\$ 1,039
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2018 (6)	\$6	\$ —	\$ (13 )	\$ (66 )	\$ 352	\$ —
Changes in unrealized gains (losses) included in net income (loss) for the instruments still held at September 30, 2017 (6)	\$—	\$ —	\$ 38	\$ 27	\$ 550	\$ —

(1) Comprised of U.S. and foreign corporate securities.

Amortization of premium/accretion of discount is included within net investment income. Impairments charged to net income (loss) on securities are included in net investment gains (losses), while changes in estimated fair value (2) of residential mortgage loans — FVO are included in net investment income. Lapses associated with net embedded derivatives are included in net derivative gains (losses). Substantially all realized/unrealized gains (losses) included in net income (loss) for net derivatives and net embedded derivatives are reported in net derivative gains (losses).

- (3) Interest and dividend accruals, as well as cash interest coupons and dividends received, are excluded from the rollforward.
- (4) Items purchased/issued and then sold/settled in the same period are excluded from the rollforward. Fees attributed to embedded derivatives are included in settlements.  
Gains and losses, in net income (loss) and OCI, are calculated assuming transfers into and/or out of Level 3
- (5) occurred at the beginning of the period. Items transferred into and then out of Level 3 in the same period are excluded from the rollforward.  
Changes in unrealized gains (losses) included in net income (loss) relate to assets and liabilities still held at the end
- (6) of the respective periods. Substantially all changes in unrealized gains (losses) included in net income (loss) for net derivatives and net embedded derivatives are reported in net derivative gains (losses).



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

(7) Freestanding derivative assets and liabilities are presented net for purposes of the rollforward.

(8) Embedded derivative assets and liabilities are presented net for purposes of the rollforward.

Investment performance related to separate account assets is fully offset by corresponding amounts credited to contractholders within separate account liabilities. Therefore, such changes in estimated fair value are not recorded in net income (loss). For the purpose of this disclosure, these changes are presented within net investment gains (losses). Separate account assets and liabilities are presented net for the purposes of the rollforward.

Fair Value Option

The Company elects the FVO for certain residential mortgage loans that are managed on a total return basis. The following table presents information for residential mortgage loans, which are accounted for under the FVO and were initially measured at fair value.

	September 30, 2018	December 31, 2017
	(In millions)	
Unpaid principal balance	\$401	\$ 650
Difference between estimated fair value and unpaid principal balance	(78 )	(130 )
Carrying value at estimated fair value	\$323	\$ 520
Loans in nonaccrual status	\$104	\$ 198
Loans more than 90 days past due	\$49	\$ 94
Loans in nonaccrual status or more than 90 days past due, or both — difference between aggregate estimated fair value and unpaid principal balance	\$(56 )	\$ (102 )

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

## Fair Value of Financial Instruments Carried at Other Than Fair Value

The following tables provide fair value information for financial instruments that are carried on the balance sheet at amounts other than fair value. These tables exclude the following financial instruments: cash and cash equivalents, accrued investment income, payables for collateral under securities loaned and other transactions, short-term debt and those short-term investments that are not securities, such as time deposits, and therefore are not included in the three level hierarchy table disclosed in the “— Recurring Fair Value Measurements” section. The estimated fair value of the excluded financial instruments, which are primarily classified in Level 2, approximates carrying value as they are short-term in nature such that the Company believes there is minimal risk of material changes in interest rates or credit quality. All remaining balance sheet amounts excluded from the tables below are not considered financial instruments subject to this disclosure.

The carrying values and estimated fair values for such financial instruments, and their corresponding placement in the fair value hierarchy, are summarized as follows at:

	September 30, 2018			Total Estimated Fair Value
	Carrying Value	Level 1	Level 2	
	(In millions)			
<b>Assets</b>				
Mortgage loans	\$72,138	\$—	\$—	\$72,559
Policy loans	\$9,703	\$—	\$341	\$10,859
Other invested assets	\$1,167	\$—	\$793	\$374
Premiums, reinsurance and other receivables	\$4,106	\$—	\$1,216	\$3,013
Other assets	\$323	\$—	\$139	\$182
<b>Liabilities</b>				
Policyholder account balances	\$115,800	\$—	\$—	\$115,801
Long-term debt	\$13,398	\$—	\$14,284	\$—
Collateral financing arrangement	\$1,073	\$—	\$—	\$877
Junior subordinated debt securities	\$3,146	\$—	\$3,959	\$—
Other liabilities	\$3,596	\$—	\$1,947	\$2,117
Separate account liabilities	\$107,524	\$—	\$107,524	\$—

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 8. Fair Value (continued)

	December 31, 2017			Total Estimated Fair Value
	Carrying Value	Level 1	Level 2 Level 3	
	(In millions)			
Assets				
Mortgage loans	\$68,211	\$—	\$69,797	\$69,797
Policy loans	\$9,669	\$—	\$11,176	\$11,512
Other limited partnership interests	\$219	\$—	\$216	\$216
Other invested assets	\$443	\$—	\$443	\$443
Premiums, reinsurance and other receivables	\$4,155	\$—	\$3,056	\$4,339
Other assets	\$285	\$—	\$139	\$328
Liabilities				
Policyholder account balances	\$114,355	\$—	\$116,534	\$116,534
Long-term debt	\$15,675	\$—	\$—	\$17,773
Collateral financing arrangement	\$1,121	\$—	\$894	\$894
Junior subordinated debt securities	\$3,144	\$—	\$—	\$4,319
Other liabilities	\$3,208	\$—	\$2,345	\$3,841
Separate account liabilities	\$124,011	\$—	\$—	\$124,011

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 9. Long-Term Debt

## Senior Notes

In June 2018, MetLife, Inc. sold FVO Brighthouse Common Stock in exchange for \$944 million aggregate principal amount of MetLife Inc.'s senior notes. MetLife, Inc. purchased and canceled \$343 million of its \$1,035 million aggregate principal amount 6.817% senior notes due August 2018; \$469 million of its \$1,035 million aggregate principal amount 7.717% senior notes due February 2019 and \$132 million of its \$1,000 million aggregate principal amount 4.750% senior notes due February 2021. In June 2018, MetLife, Inc. additionally purchased for cash and canceled \$160 million of its \$1,035 million aggregate principal amount 6.817% senior notes due August 2018. The Company recorded a premium of \$30 million paid in excess of the debt principal and incurred \$37 million of advisory and other fees related to the exchange transaction to other expenses for the nine months ended September 30, 2018. See Note 3 for additional information on the FVO Brighthouse Common Stock exchange transaction.

In August 2018, MetLife, Inc. purchased for cash and canceled the remaining \$566 million of its \$1,035 million aggregate principal amount 7.717% senior notes due February 2019. The Company recorded a premium of \$14 million paid in excess of the debt principal and accrued, unpaid interest to other expenses for the three months and nine months ended September 30, 2018.

## 10. Equity

## Preferred Stock

In June 2018, MetLife, Inc. issued 32,200 shares of 5.625% Non-Cumulative Preferred Stock, Series E (the "Series E preferred stock"), with a \$0.01 par value per share and a liquidation preference of \$25,000 per share, for aggregate net proceeds of \$780 million. MetLife, Inc. deposited the Series E preferred stock under a deposit agreement with a depository, which issued interests in fractional shares of the Series E preferred stock in the form of depository shares ("Depository Shares") evidenced by depository receipts; each Depository Share representing 1/1,000th interest in a share of the Series E preferred stock. In connection with the offering of the Depository Shares, MetLife, Inc. incurred approximately \$25 million of issuance costs which have been recorded as a reduction of additional paid-in capital. The Series E preferred stock ranks senior to MetLife, Inc.'s common stock with respect to the payment of dividends and distributions upon liquidation, dissolution or winding-up. Holders of the Depository Shares will be entitled to receive dividend payments only when, as and if declared by MetLife, Inc.'s Board of Directors or a duly authorized committee thereof on the Series E preferred stock. If dividends are declared on the Series E preferred stock for any dividend period, they will be calculated on a non-cumulative basis at a fixed rate per annum of 5.625%. Dividends for any dividend period will be payable, if declared, quarterly in arrears on the 15th day of March, June, September and December of each year, commencing on September 15, 2018.

In March 2018, MetLife, Inc. issued 500,000 shares of 5.875% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series D (the "Series D preferred stock") with a \$0.01 par value per share and a liquidation preference of \$1,000 per share for aggregate net proceeds of \$494 million. In connection with the offering of the Series D preferred stock, MetLife, Inc. incurred approximately \$6 million of issuance costs which have been recorded as a reduction of additional paid-in capital.

The Series D preferred stock ranks senior to MetLife, Inc.'s common stock with respect to the payment of dividends and distributions upon liquidation, dissolution or winding-up. Holders of the Series D preferred stock will be entitled to receive dividend payments only when, as and if declared by MetLife, Inc.'s Board of Directors or a duly authorized committee thereof. If dividends are declared on the Series D preferred stock for any dividend period, they will be calculated on a non-cumulative basis at a fixed rate per annum of 5.875% from the date of original issue to, but excluding, March 15, 2028 and at a floating rate per annum equal to three-month U.S. dollar LIBOR plus 2.959% on the related LIBOR determination date from and after March 15, 2028. Dividends for any dividend period will be payable, if declared, semi-annually in arrears on the 15th day of March and September of each year commencing on September 15, 2018 and ending on March 15, 2028, and thereafter quarterly in arrears on the 15th day of June, September, December, and March of each year.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

Dividends on the Series D and Series E preferred stock will not be cumulative and will not be mandatory. Accordingly, if dividends are not declared on the Series D or Series E preferred stock for any dividend period, then any accrued dividends for that dividend period will cease to accrue and be payable. If a dividend is not declared before the dividend payment date for any dividend period, MetLife, Inc. will have no obligation to pay dividends accrued for such dividend period whether or not dividends on the Series D or Series E preferred stock are declared for any future dividend period. No dividends may be paid or declared on MetLife, Inc.'s common stock (or any other securities ranking junior to the Series D or Series E preferred stock) and MetLife, Inc. may not purchase, redeem, or otherwise acquire its common stock (or other such junior stock) unless the full dividends for the latest completed dividend period on all outstanding shares of Series D and Series E preferred stock, and any parity stock, have been declared and paid or provided for.

Holders of the Series D and Series E preferred stock do not have voting rights except in certain circumstances, including where the dividends have not been paid for an equivalent of six or more dividend payment periods whether or not those periods are consecutive. Under such circumstances, the holders of the Series D and Series E preferred stock have certain voting rights with respect to members of the Board of Directors of MetLife, Inc.

The Series D and Series E preferred stock are not subject to any mandatory redemption, sinking fund, retirement fund, purchase fund or similar provisions. MetLife, Inc. may, at its option, redeem the Series D preferred stock, (a) in whole but not in part, at any time prior to March 15, 2028, within 90 days after the occurrence of a “rating agency event,” at a redemption price equal to \$1,020 per share of Series D preferred stock, plus an amount equal to any accrued and unpaid dividends per share that have accrued but not been declared and paid for the then-current dividend period to but excluding the redemption date and (b) (i) in whole but not in part, at any time prior to March 15, 2028, within 90 days after the occurrence of a “regulatory capital event” or (ii) in whole or in part, from time to time, on or after March 15, 2028, in each case, at a redemption price equal to \$1,000 per share of Series D preferred stock, plus an amount equal to any accrued and unpaid dividends per share that have accrued but not been declared and paid for the then-current dividend period to, but excluding, such redemption date. MetLife, Inc. may, at its option, redeem the Series E preferred stock, (a) in whole but not in part, at any time prior to June 15, 2023, within 90 days after the occurrence of a “rating agency event,” at a redemption price equal to \$25,500 per share of Series E preferred stock (equivalent to \$25.50 per Depositary Share), plus an amount equal to any accrued and unpaid dividends per share that have accrued but not been declared and paid for the then-current dividend period to but excluding the redemption date and (b) (i) in whole but not in part, at any time prior to June 15, 2023, within 90 days after the occurrence of a “regulatory capital event” or (ii) in whole or in part, from time to time, on or after June 15, 2023, in each case, at a redemption price equal to \$25,000 per share of Series E preferred stock, plus an amount equal to any accrued and unpaid dividends per share that have accrued but not been declared and paid for the then-current dividend period to, but excluding, such redemption date. A “rating agency event” means that any nationally recognized statistical rating organization that then publishes a rating for MetLife, Inc. amends, clarifies or changes the criteria it uses to assign equity credit to securities like the Series D or Series E preferred stock, which results in the lowering of the equity credit assigned to the Series D or Series E preferred stock, as applicable, or shortens the length of time that the Series D or Series E preferred stock, as applicable, is assigned a particular level of equity credit. A “regulatory capital event” could occur as a result of a change or proposed change in capital adequacy rules (or the interpretation or application thereof) of any capital regulator, including but not limited to the Board of Governors of the Federal Reserve System (the “Federal Reserve Board”), the Federal Insurance Office, the National Association of Insurance Commissioners or any state insurance regulator, as may then have group-wide oversight of MetLife, Inc.'s regulatory capital, from rules (or the interpretation or application thereof) in effect as of March 22, 2018, in the case of the Series D preferred stock, or June 4, 2018, in the case of the Series E preferred stock, that would create a more than insubstantial risk, as determined by MetLife, Inc., that the Series D preferred stock or the Series E preferred stock, as applicable, would not be treated as “Tier 1 capital” or as capital with attributes similar to those of Tier 1 capital, except that a “regulatory capital event” will not include a change or proposed change (or the interpretation or application thereof) that would

result in the adoption of any criterion substantially the same as the criteria in the capital adequacy rules of the Federal Reserve Board applicable to bank holding companies as of March 22, 2018, in the case of the Series D preferred stock, or June 4, 2018, in the case of the Series E preferred stock.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

Preferred stock authorized, issued and outstanding was as follows:

Series	September 30, 2018			December 31, 2017		
	Shares Authorized	Shares Issued	Shares Outstanding	Shares Authorized	Shares Issued	Shares Outstanding
Floating Rate Non-Cumulative Preferred Stock, Series A	27,600,000	24,000,000	24,000,000	27,600,000	24,000,000	24,000,000
5.25% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series C	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
5.875% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series D	500,000	500,000	500,000	—	—	—
5.625% Non-Cumulative Preferred Stock, Series E	32,200	32,200	32,200	—	—	—
Series A Junior Participating Preferred Stock	10,000,000	—	—	10,000,000	—	—
Not designated	160,367,800	—	—	160,900,000	—	—
Total	200,000,000	26,032,200	26,032,200	200,000,000	25,500,000	25,500,000

The declaration, record and payment dates, as well as per share and aggregate dividend amounts, for MetLife, Inc.'s preferred stock were as follows for the nine months ended September 30, 2018 and 2017:

Declaration Date	Record Date	Payment Date	Preferred Stock Dividend							
			Series A Per Share	Series A Aggregate	Series C Per Share	Series C Aggregate	Series D Per Share	Series D Aggregate	Series E Per Share	Series E Aggregate
(In millions, except per share data)										
August 15, 2018	August 31, 2018	September 17, 2018	\$0.256	\$ 6	\$—	\$ —	\$28.233	\$ 14	\$394.531	\$ 12
May 15, 2018	May 31, 2018	June 15, 2018	\$0.256	7	\$26.250	39	\$—	—	\$—	—
March 5, 2018	February 28, 2018	March 15, 2018	\$0.250	6	\$—	—	\$—	—	\$—	—
				\$ 19		\$ 39		\$ 14		\$ 12
August 15, 2017	August 31, 2017	September 15, 2017	\$0.256	\$ 6	\$—	\$ —	\$—	\$ —	\$—	\$ —
May 15, 2017	May 31, 2017	June 15, 2017	\$0.256	7	\$26.250	39	\$—	—	\$—	—
March 6, 2017	February 28, 2017	March 15, 2017	\$0.250	6	\$—	—	\$—	—	\$—	—
				\$ 19		\$ 39		\$ —		\$ —

## Common Stock

During the nine months ended September 30, 2018 and 2017, MetLife, Inc. repurchased 59,602,926 shares and 44,737,625 shares of its common stock, respectively, through open market purchases for \$2.8 billion and \$2.3 billion, respectively.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

On November 1, 2017 and May 22, 2018, MetLife, Inc. announced that its Board of Directors authorized \$2.0 billion and \$1.5 billion of common stock repurchases, respectively. In June 2018, MetLife, Inc. completed all common stock repurchases under the November 2017 authorization. At September 30, 2018, MetLife, Inc. had \$470 million of common stock repurchases remaining under the May 2018 authorization. Common stock repurchases are dependent upon several factors, including the Company's capital position, liquidity, financial strength and credit ratings, general market conditions, the market price of MetLife, Inc.'s common stock compared to management's assessment of the stock's underlying value and applicable regulatory approvals, as well as other legal and accounting factors.

See Note 16 for information on a subsequent common stock repurchase authorization.

The declaration, record and payment dates, as well as per share and aggregate dividend amounts, for MetLife, Inc.'s common stock were as follows for the nine months ended September 30, 2018 and 2017:

Declaration Date	Record Date	Payment Date	Common Stock Dividend Per Share Aggregate (In millions, except per share data)	
July 6, 2018	August 6, 2018	September 13, 2018	\$0.420	\$ 419
April 24, 2018	May 7, 2018	June 13, 2018	\$0.420	428
January 5, 2018	February 5, 2018	March 13, 2018	\$0.400	416
				\$ 1,263
July 7, 2017	August 7, 2017	September 13, 2017	\$0.400	\$ 427
April 25, 2017	May 8, 2017	June 13, 2017	\$0.400	431
January 6, 2017	February 6, 2017	March 13, 2017	\$0.400	437
				\$ 1,295

See also Note 16 for information regarding a common stock dividend declared subsequent to September 30, 2018.

## Stock-Based Compensation Plans

## Performance Shares and Performance Units

Final Performance Shares are paid in shares of MetLife, Inc. common stock. Final Performance Units are payable in cash equal to the closing price of MetLife, Inc. common stock on a date following the last day of the three-year performance period. The performance factor for the January 1, 2015 – December 31, 2017 performance period was 46.3%, which was determined within a possible range from 0% to 175%. This factor has been applied to the 1,194,283 Performance Shares and 186,085 Performance Units associated with that performance period that vested on December 31, 2017. As a result, in the first quarter of 2018, MetLife, Inc. issued 552,953 shares of its common stock (less withholding for taxes and other items, as applicable), excluding shares that payees choose to defer, and MetLife, Inc. or its affiliates paid the cash value of 86,157 Performance Units (less withholding for taxes and other items, as applicable).

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

## Dividend Restrictions

## Insurance Operations

The table below sets forth the dividends permitted to be paid in 2018 by MetLife, Inc.'s primary insurance subsidiaries without insurance regulatory approval and the respective dividends paid during the nine months ended September 30, 2018:

Company	Paid (1)	Permitted Without Approval (2)
	(In millions)	
Metropolitan Life Insurance Company	\$2,424(3)	\$ 3,075
American Life Insurance Company	\$2,200(4)	\$ —
Metropolitan Property and Casualty Insurance Company	\$—	\$ 125
Metropolitan Tower Life Insurance Company (5)	\$—	\$ 73
General American Life Insurance Company (5)	\$—	N/A

(1) Reflects all amounts paid, including those requiring regulatory approval.

Reflects dividend amounts that may be paid during 2018 without prior regulatory approval. However, because

(2) dividend tests may be based on dividends previously paid over rolling 12-month periods, if paid before a specified date during 2018, some or all of such dividends may require regulatory approval.

Represents ordinary dividends of \$1.7 billion and an extraordinary dividend of \$705 million that was paid with regulatory approval. The extraordinary dividend was paid in cash with proceeds from the sale to an affiliate of

(3) certain property, equipment, leasehold improvements and computer software that were non-admitted by MLIC for statutory accounting purposes. The affiliate received a capital contribution in cash from MetLife, Inc. to fund the purchase.

(4) Represents extraordinary dividends.

In April 2018, Metropolitan Tower Life Insurance Company (“MTL”) merged with General American Life Insurance Company (“GALIC”). The surviving entity of the merger was MTL, which re-domesticated from Delaware to

(5) Nebraska immediately prior to the merger. Effective as of the re-domestication, MTL is subject to the dividend restrictions under Nebraska law, which are based on amounts reported in MTL’s stand-alone statutory financial statements for the year ended December 31, 2017.

Under the Nebraska Insurance Code, MTL is permitted, without prior insurance regulatory clearance, to pay a stockholder dividend to MetLife, Inc. as long as the amount of the dividend, when aggregated with all other dividends in the preceding 12 months, does not exceed the greater of: (i) 10% of its surplus to policyholders as of the end of the immediately preceding calendar year, or (ii) its net statutory gain from operations for the immediately preceding calendar year (excluding realized capital gains), not including pro rata distributions of each insurer's own securities. MTL will be permitted to pay a dividend to MetLife, Inc. in excess of the greater of such two amounts only if it files notice of the declaration of such a dividend and the amount thereof with the Director of the Nebraska Department of Insurance (the “Nebraska Director”) and the Nebraska Director either approves the distribution of the dividend or does not disapprove the distribution within 30 days of its filing. In addition, any dividend that exceeds earned surplus (defined as “unassigned funds (surplus)”), excluding unrealized capital gains) as of the immediately preceding calendar year requires insurance regulatory approval. Under the Nebraska Insurance Code, the Nebraska Director has broad discretion in determining whether the financial condition of a stock life insurance company would support the payment of such dividends to its stockholders.

See Note 15 of the Notes to Consolidated Financial Statements included in the 2017 Annual Report for additional information on dividend restrictions.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

## Accumulated Other Comprehensive Income (Loss)

Information regarding changes in the balances of each component of AOCI attributable to MetLife, Inc., was as follows:

	Three Months Ended September 30, 2018				
	Unrealized Investment (Losses), Net of Related Offsets	Unrealized Gains (Losses) on Derivatives	Foreign Currency Translation Adjustments	Defined Benefit Plans Adjustment	Total
Balance, beginning of period	\$8,538	\$ 1,165	\$ (4,670 )	\$ (2,179 )	\$2,854
OCI before reclassifications	(1,953 )	(295 )	(240 )	131	(2,357 )
Deferred income tax benefit (expense)	436	(22 )	15	(27 )	402
AOCI before reclassifications, net of income tax	7,021	848	(4,895 )	(2,075 )	899
Amounts reclassified from AOCI	(30 )	4	—	31	5
Deferred income tax benefit (expense)	7	96	—	(7 )	96
Amounts reclassified from AOCI, net of income tax	(23 )	100	—	24	101
Balance, end of period	\$6,998	\$ 948	\$ (4,895 )	\$ (2,051 )	\$1,000

	Three Months Ended September 30, 2017				
	Unrealized Investment (Losses), Net of Related Offsets	Unrealized Gains (Losses) on Derivatives	Foreign Currency Translation Adjustments	Defined Benefit Plans Adjustment	Total
Balance, beginning of period	\$13,469	\$ 1,569	\$ (4,679 )	\$ (1,923 )	\$8,436
OCI before reclassifications	803	(166 )	193	2	832
Deferred income tax benefit (expense)	(270 )	56	(6 )	2	(218 )
AOCI before reclassifications, net of income tax	14,002	1,459	(4,492 )	(1,919 )	9,050
Amounts reclassified from AOCI	(360 )	(307 )	—	40	(627 )
Deferred income tax benefit (expense)	126	107	—	(17 )	216
Amounts reclassified from AOCI, net of income tax	(234 )	(200 )	—	23	(411 )
Disposal of subsidiary (3)	(2,286 )	(305 )	51	28	(2,512 )
Deferred income tax benefit (expense)	800	107	(19 )	(10 )	878
Disposal of subsidiary, net of income tax	(1,486 )	(198 )	32	18	(1,634 )
Balance, end of period	\$12,282	\$ 1,061	\$ (4,460 )	\$ (1,878 )	\$7,005

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

	Nine Months Ended September 30, 2018				
	Unrealized Investment (Losses), Net of Related Offsets	Unrealized Gains (Losses) on Derivatives	Foreign Currency Translation Adjustments	Defined Benefit Plans Adjustment	Total
	(In millions)				
Balance, beginning of period	\$12,757	\$ 905	\$ (4,390 )	\$ (1,845 )	\$ 7,427
OCI before reclassifications	(8,860 )	(506 )	(657 )	130	(9,893 )
Deferred income tax benefit (expense)	1,977	77	24	(27 )	2,051
AOCI before reclassifications, net of income tax	5,874	476	(5,023 )	(1,742 )	(415 )
Amounts reclassified from AOCI	98	309	—	93	500
Deferred income tax benefit (expense)	(22 )	(47 )	—	(20 )	(89 )
Amounts reclassified from AOCI, net of income tax	76	262	—	73	411
Cumulative effects of changes in accounting principles	(425 )	—	—	—	(425 )
Deferred income tax benefit (expense), cumulative effects of changes in accounting principles	1,473	210	36	(382 )	1,337
Cumulative effects of changes in accounting principles, net of income tax (2)	1,048	210	36	(382 )	912
Sale of subsidiary (3)	—	—	92	—	92
Balance, end of period	\$6,998	\$ 948	\$ (4,895 )	\$ (2,051 )	\$ 1,000

  

	Nine Months Ended September 30, 2017				
	Unrealized Investment (Losses), Net of Related Offsets	Unrealized Gains (Losses) on Derivatives	Foreign Currency Translation Adjustments	Defined Benefit Plans Adjustment	Total
	(In millions)				
Balance, beginning of period	\$10,785	\$ 1,865	\$ (5,312 )	\$ (1,972 )	\$ 5,366
OCI before reclassifications	4,796	37	710	(17 )	5,526
Deferred income tax benefit (expense)	(1,675 )	(14 )	110	7	(1,572 )
AOCI before reclassifications, net of income tax	13,906	1,888	(4,492 )	(1,982 )	9,320
Amounts reclassified from AOCI	(211 )	(965 )	—	125	(1,051 )
Deferred income tax benefit (expense)	73	336	—	(39 )	370
Amounts reclassified from AOCI, net of income tax	(138 )	(629 )	—	86	(681 )
Disposal of subsidiary (3)	(2,286 )	(305 )	51	28	(2,512 )
Deferred income tax benefit (expense)	800	107	(19 )	(10 )	878
Disposal of subsidiary, net of income tax	(1,486 )	(198 )	32	18	(1,634 )
Balance, end of period	\$12,282	\$ 1,061	\$ (4,460 )	\$ (1,878 )	\$ 7,005

(1)

See Note 6 for information on offsets to investments related to future policy benefits, DAC, VOBA and DSI, and the policyholder dividend obligation.

(2) See Note 1 for further information on adoption of new accounting pronouncements.

(3) See Note 3.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 10. Equity (continued)

Information regarding amounts reclassified out of each component of AOCI was as follows:

AOCI Components	Amounts Reclassified from AOCI				Consolidated Statements of Operations and Comprehensive Income (Loss) Locations
	Three Months Ended		Nine Months Ended		
	September 30, 2018		September 30, 2017		
	2018	2017	2018	2017	
(In millions)					
Net unrealized investment gains (losses):					
Net unrealized investment gains (losses)	\$101	\$303	\$(36)	\$386	Net investment gains (losses)
Net unrealized investment gains (losses)	9	(1)	9	—	Net investment income
Net unrealized investment gains (losses)	(80)	55	(71)	(89)	Net derivative gains (losses)
Net unrealized investment gains (losses)	—	3	—	(86)	Discontinued operations
Net unrealized investment gains (losses), before income tax	30	360	(98)	211	
Income tax (expense) benefit	(7)	(126)	22	(73)	
Net unrealized investment gains (losses), net of income tax	23	234	(76)	138	
Unrealized gains (losses) on derivatives - cash flow hedges:					
Interest rate swaps	1	9	18	23	Net derivative gains (losses)
Interest rate swaps	4	5	13	12	Net investment income
Interest rate swaps	—	—	—	2	Discontinued operations
Interest rate forwards	(3)	(1)	—	(5)	Net derivative gains (losses)
Interest rate forwards	1	—	2	2	Net investment income
Interest rate forwards	—	—	1	1	Other expenses
Interest rate forwards	—	—	—	3	Discontinued operations
Foreign currency swaps	(6)	294	(342)	915	Net derivative gains (losses)
Foreign currency swaps	(1)	—	(2)	(1)	Net investment income
Foreign currency swaps	—	—	1	1	Other expenses
Foreign currency swaps	—	—	—	11	Discontinued operations
Credit forwards	—	—	—	1	Net derivative gains (losses)
Gains (losses) on cash flow hedges, before income tax	(4)	307	(309)	965	
Income tax (expense) benefit	(96)	(107)	47	(336)	
Gains (losses) on cash flow hedges, net of income tax	(100)	200	(262)	629	
Defined benefit plans adjustment: (1)					
Amortization of net actuarial gains (losses)	(37)	(46)	(108)	(143)	
Amortization of prior service (costs) credit	6	6	15	18	
Amortization of defined benefit plan items, before income tax	(31)	(40)	(93)	(125)	
Income tax (expense) benefit	7	17	20	39	
Amortization of defined benefit plan items, net of income tax	(24)	(23)	(73)	(86)	
Total reclassifications, net of income tax	\$(101)	\$411	\$(411)	\$681	

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(1) These AOCI components are included in the computation of net periodic benefit costs. See Note 12.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 11. Other Expenses

Information on other expenses was as follows:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018	
	2017	2018	2017	2018
	(In millions)			
Employee related costs	\$921	\$935	\$2,752	\$2,751
Third party staffing costs	435	413	1,217	1,173
General and administrative expenses	290	229	884	768
Pension, postretirement and postemployment benefit costs	45	86	141	241
Premium taxes, other taxes, and licenses & fees	193	145	559	468
Commissions and other variable expenses	1,403	1,393	4,257	4,003
Capitalization of DAC	(810 )	(761 )	(2,440 )	(2,218 )
Amortization of DAC and VOBA	732	626	2,132	1,945
Amortization of negative VOBA	(7 )	(32 )	(45 )	(113 )
Interest expense on debt	267	284	862	851
Total other expenses	\$3,469	\$3,318	\$10,319	\$9,869

Certain prior year amounts have been reclassified to conform to the current year presentation, which has been revised to align the expense categories with the Company's businesses. The reclassifications did not result in a change to total other expenses.

See Note 9 for information regarding expenses related to debt transactions.

## Restructuring Charges

The Company commenced in 2016 a unit cost improvement program related to the Company's refreshed enterprise strategy. This global strategy focuses on transforming the Company to become more digital, driving efficiencies and innovation to achieve competitive advantage, and simplified, decreasing the costs and risks associated with the Company's highly complex industry to customers and shareholders. Restructuring charges related to this program are included in other expenses. As the expenses relate to an enterprise-wide initiative, they are reported in Corporate & Other. Such restructuring charges were as follows:

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018	
	2017	2018	2017	2018
	Severance (In millions)			
Balance, beginning of period	\$20	\$17	\$22	\$35
Restructuring charges	17	3	35	25
Cash payments	(17 )	(3 )	(37 )	(43 )
Balance, end of period	\$20	\$17	\$20	\$17
Total restructuring charges incurred since inception of initiative	\$108	\$60	\$108	\$60

Management anticipates further restructuring charges through the year ending December 31, 2019. However, such restructuring plans were not sufficiently developed to enable management to make an estimate of such restructuring charges at September 30, 2018.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 12. Employee Benefit Plans

## Pension and Other Postretirement Benefit Plans

Certain subsidiaries of MetLife, Inc. sponsor and/or administer various U.S. qualified and nonqualified defined benefit pension plans and other postretirement employee benefit plans covering employees who meet specified eligibility requirements. These subsidiaries also provide certain postemployment benefits and certain postretirement medical and life insurance benefits for U.S. retired employees.

The components of net periodic benefit costs, reported in other expenses, were as follows:

	Three Months Ended September 30, 2018		2017	
	Pension Benefits	Other Postretirement Benefits	Pension Benefits	Other Postretirement Benefits
	(In millions)			
Service costs	\$58	\$ 1	\$62	\$ 1
Interest costs	95	13	106	19
Divestitures	—	—	3	2
Expected return on plan assets	(133)	(18)	(129)	(18)
Amortization of net actuarial (gains) losses	46	(9)	46	—
Amortization of prior service costs (credit)	(1)	(5)	—	(6)
Net periodic benefit costs (credit)	\$65	\$ (18)	\$88	\$ (2)
	Nine Months Ended September 30, 2018		2017	
	Pension Benefits	Other Postretirement Benefits	Pension Benefits	Other Postretirement Benefits
	(In millions)			
Service costs	\$176	\$ 4	\$184	\$ 4
Interest costs	287	39	318	57
Divestitures	—	—	3	2
Expected return on plan assets	(400)	(54)	(387)	(54)
Amortization of net actuarial (gains) losses	134	(26)	143	—
Amortization of prior service costs (credit)	(1)	(14)	(1)	(17)
Net periodic benefit costs (credit)	\$196	\$ (51)	\$260	\$ (8)

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 13. Income Tax

The Company's effective tax rates differ from the U.S. statutory rate typically due to non-taxable investment income, tax credits, and foreign earnings taxed at different rates than the U.S. statutory rate. The Company's year-to-date results include tax charges of \$69 million related to the non-deductible loss incurred on the mark-to-market and disposition of FVO Brighthouse Common Stock, \$17 million related to a tax adjustment in Chile and \$5 million in Colombia to establish a deferred tax liability due to a change in tax status, partially offset by tax benefits of \$36 million related to a non-cash transfer of assets from a wholly-owned U.K. investment subsidiary to its U.S. parent and \$7 million related to the settlement of an audit. The Company's prior period results include tax-related benefits of \$554 million related to the Separation and \$27 million from the finalization of certain tax audits, partially offset by a net tax charge of \$180 million. This charge was the result of the repatriation of approximately \$3.0 billion of cash following the post-Separation review of the Company's capital needs, partially offset by a tax benefit associated with dividends from the Company's non-U.S. operations. The Company's prior period results also include a tax benefit of \$9 million related to the settlement of an audit in Argentina.

On December 22, 2017, President Trump signed into law U.S. Tax Reform. U.S. Tax Reform includes numerous changes in tax law, including a permanent reduction in the U.S. federal corporate income tax rate from 35% to 21%, which took effect for taxable years beginning on or after January 1, 2018. U.S. Tax Reform moves the United States from a worldwide tax system to a participation exemption system by providing corporations a 100% dividends received deduction for dividends distributed by a controlled foreign corporation. To transition to that new system, U.S. Tax Reform imposed a one-time deemed repatriation tax on unremitted earnings and profits at a rate of 8.0% for illiquid assets and 15.5% for cash and cash equivalents.

In accordance with Staff Accounting Bulletin ("SAB") 118 issued by the U.S. Securities and Exchange Commission ("SEC") in December 2017, the Company recorded provisional amounts for certain items for which the income tax accounting is not complete. For these items, the Company recorded a reasonable estimate of the tax effects of U.S. Tax Reform. The estimates will be reported as provisional amounts during the measurement period, which will not exceed one year from the date of enactment of U.S. Tax Reform. The Company may reflect adjustments to its provisional amounts upon obtaining, preparing, or analyzing additional information about facts and circumstances that existed as of the enactment date that, if known, would have affected the income tax effects initially reported as provisional amounts.

At December 31, 2017, the Company recorded provisional estimates for the deemed repatriation transition tax, global intangible low-tax income, compensation and fringe benefits, alternative minimum tax credits, and tax credit partnerships. At September 30, 2018, updates were made to the provisional amounts for tax credit partnerships, as described in the following paragraph. No other updates to provisional estimates were made.

Certain tax credit partnership investments derive returns in part from income tax credits. The Company recognizes changes in tax attributes at the partnership level when reported by the investee in its financial information. The Company did not receive the necessary investee financial information to determine the impacts of U.S. Tax Reform on the tax attributes of its tax credit partnership investments until the third quarter of 2018. Accordingly, prior to the third quarter of 2018, the Company applied prior law to these equity method investments in accordance with SAB 118. After receiving the information, an after tax reduction in tax credit partnerships' equity method income of \$32 million was included in net investment income for both the three months and nine months ended September 30, 2018. See Note 18 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for further information regarding SAB 118 items.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 14. Earnings Per Common Share

The following table presents the weighted average shares, basic earnings per common share and diluted earnings per common share for each income category presented:

	Three Months Ended		Nine Months Ended	
	September 30, 2018		September 30, 2017	
	2018	2017	2018	2017
	(In millions, except per share data)			
Weighted Average Shares:				
Weighted average common stock outstanding for basic earnings per common share	992.7	1,062.3	1,014.6	1,075.5
Incremental common shares from assumed exercise or issuance of stock-based awards	8.0	9.2	8.2	8.5
Weighted average common stock outstanding for diluted earnings per common share	1,000.7	1,071.5	1,022.8	1,084.0
Income (Loss) from Continuing Operations:				
Income (loss) from continuing operations, net of income tax	\$915	\$883	\$3,066	\$2,691
Less: Income (loss) from continuing operations, net of income tax, attributable to noncontrolling interests	3	6	10	12
Less: Preferred stock dividends	32	6	84	58
Income (loss) from continuing operations, net of income tax, available to MetLife, Inc.'s common shareholders	\$880	\$871	\$2,972	\$2,621
Basic	\$0.89	\$0.82	\$2.93	\$2.44
Diluted	\$0.88	\$0.81	\$2.91	\$2.42
Income (Loss) from Discontinued Operations:				
Income (loss) from discontinued operations, net of income tax	\$—	\$(968)	\$—	\$(986)
Less: Income (loss) from discontinued operations, net of income tax, attributable to noncontrolling interests	—	—	—	—
Income (loss) from discontinued operations, net of income tax, available to MetLife, Inc.'s common shareholders	\$—	\$(968)	\$—	\$(986)
Basic	\$—	\$(0.91)	\$—	\$(0.92)
Diluted	\$—	\$(0.90)	\$—	\$(0.91)
Net Income (Loss):				
Net income (loss)	\$915	\$(85)	\$3,066	\$1,705
Less: Net income (loss) attributable to noncontrolling interests	3	6	10	12
Less: Preferred stock dividends	32	6	84	58
Net income (loss) available to MetLife, Inc.'s common shareholders	\$880	\$(97)	\$2,972	\$1,635
Basic	\$0.89	\$(0.09)	\$2.93	\$1.52
Diluted	\$0.88	\$(0.09)	\$2.91	\$1.51

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

15. Contingencies, Commitments and Guarantees

Contingencies

Litigation

The Company is a defendant in a large number of litigation matters. In some of the matters, very large and/or indeterminate amounts, including punitive and treble damages, are sought. Modern pleading practice in the U.S. permits considerable variation in the assertion of monetary damages or other relief. Jurisdictions may permit claimants not to specify the monetary damages sought or may permit claimants to state only that the amount sought is sufficient to invoke the jurisdiction of the trial court. In addition, jurisdictions may permit plaintiffs to allege monetary damages in amounts well exceeding reasonably possible verdicts in the jurisdiction for similar matters. This variability in pleadings, together with the actual experience of the Company in litigating or resolving through settlement numerous claims over an extended period of time, demonstrates to management that the monetary relief which may be specified in a lawsuit or claim bears little relevance to its merits or disposition value.

Due to the vagaries of litigation, the outcome of a litigation matter and the amount or range of potential loss at particular points in time may normally be difficult to ascertain. Uncertainties can include how fact finders will evaluate documentary evidence and the credibility and effectiveness of witness testimony, and how trial and appellate courts will apply the law in the context of the pleadings or evidence presented, whether by motion practice, at trial or on appeal. Disposition valuations are also subject to the uncertainty of how opposing parties and their counsel will view the relevant evidence and applicable law.

The Company establishes liabilities for litigation and regulatory loss contingencies when it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated. Liabilities have been established for a number of the matters noted below. It is possible that some of the matters could require the Company to pay damages or make other expenditures or establish accruals in amounts that could not be reasonably estimated at September 30, 2018. While the potential future charges could be material in the particular quarterly or annual periods in which they are recorded, based on information currently known to management, management does not believe any such charges are likely to have a material effect on the Company's financial position.

Matters as to Which an Estimate Can Be Made

For some of the matters disclosed below, the Company is able to estimate a reasonably possible range of loss. For such matters where a loss is believed to be reasonably possible, but not probable, the Company has not made an accrual. As of September 30, 2018, the Company estimates the aggregate range of reasonably possible losses in excess of amounts accrued for these matters to be \$0 to \$600 million.

Matters as to Which an Estimate Cannot Be Made

For other matters disclosed below, the Company is not currently able to estimate the reasonably possible loss or range of loss. The Company is often unable to estimate the possible loss or range of loss until developments in such matters have provided sufficient information to support an assessment of the range of possible loss, such as quantification of a damage demand from plaintiffs, discovery from other parties and investigation of factual allegations, rulings by the court on motions or appeals, analysis by experts, and the progress of settlement negotiations. On a quarterly and annual basis, the Company reviews relevant information with respect to litigation contingencies and updates its accruals, disclosures and estimates of reasonably possible losses or ranges of loss based on such reviews.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 15. Contingencies, Commitments and Guarantees (continued)

## Asbestos-Related Claims

MLIC is and has been a defendant in a large number of asbestos-related suits filed primarily in state courts. These suits principally allege that the plaintiff or plaintiffs suffered personal injury resulting from exposure to asbestos and seek both actual and punitive damages. MLIC has never engaged in the business of manufacturing, producing, distributing, or selling asbestos or asbestos-containing products nor has MLIC issued liability or workers' compensation insurance to companies in the business of manufacturing, producing, distributing, or selling asbestos or asbestos-containing products. The lawsuits principally have focused on allegations with respect to certain research, publication and other activities of one or more of MLIC's employees during the period from the 1920's through approximately the 1950's and allege that MLIC learned or should have learned of certain health risks posed by asbestos and, among other things, improperly publicized or failed to disclose those health risks. MLIC believes that it should not have legal liability in these cases. The outcome of most asbestos litigation matters, however, is uncertain and can be impacted by numerous variables, including differences in legal rulings in various jurisdictions, the nature of the alleged injury and factors unrelated to the ultimate legal merit of the claims asserted against MLIC. MLIC employs a number of resolution strategies to manage its asbestos loss exposure, including seeking resolution of pending litigation by judicial rulings and settling individual or groups of claims or lawsuits under appropriate circumstances.

Claims asserted against MLIC have included negligence, intentional tort and conspiracy concerning the health risks associated with asbestos. MLIC's defenses (beyond denial of certain factual allegations) include that: (i) MLIC owed no duty to the plaintiffs— it had no special relationship with the plaintiffs and did not manufacture, produce, distribute, or sell the asbestos products that allegedly injured plaintiffs; (ii) plaintiffs did not rely on any actions of MLIC; (iii) MLIC's conduct was not the cause of the plaintiffs' injuries; (iv) plaintiffs' exposure occurred after the dangers of asbestos were known; and (v) the applicable time with respect to filing suit has expired. During the course of the litigation, certain trial courts have granted motions dismissing claims against MLIC, while other trial courts have denied MLIC's motions. There can be no assurance that MLIC will receive favorable decisions on motions in the future. While most cases brought to date have settled, MLIC intends to continue to defend aggressively against claims based on asbestos exposure, including defending claims at trials.

As reported in the 2017 Annual Report, MLIC received approximately 3,514 asbestos-related claims in 2017. During the nine months ended September 30, 2018 and 2017, MLIC received approximately 2,558 and 2,742 new asbestos-related claims, respectively. See Note 20 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for historical information concerning asbestos claims and MLIC's increase in its recorded liability at December 31, 2017. The number of asbestos cases that may be brought, the aggregate amount of any liability that MLIC may incur, and the total amount paid in settlements in any given year are uncertain and may vary significantly from year to year.

The ability of MLIC to estimate its ultimate asbestos exposure is subject to considerable uncertainty, and the conditions impacting its liability can be dynamic and subject to change. The availability of reliable data is limited and it is difficult to predict the numerous variables that can affect liability estimates, including the number of future claims, the cost to resolve claims, the disease mix and severity of disease in pending and future claims, the impact of the number of new claims filed in a particular jurisdiction and variations in the law in the jurisdictions in which claims are filed, the possible impact of tort reform efforts, the willingness of courts to allow plaintiffs to pursue claims against MLIC when exposure to asbestos took place after the dangers of asbestos exposure were well known, and the impact of any possible future adverse verdicts and their amounts.

The ability to make estimates regarding ultimate asbestos exposure declines significantly as the estimates relate to years further in the future. In the Company's judgment, there is a future point after which losses cease to be probable and reasonably estimable. It is reasonably possible that the Company's total exposure to asbestos claims may be materially greater than the asbestos liability currently accrued and that future charges to income may be necessary. While the potential future charges could be material in the particular quarterly or annual periods in which they are

recorded, based on information currently known by management, management does not believe any such charges are likely to have a material effect on the Company's financial position.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

## 15. Contingencies, Commitments and Guarantees (continued)

The Company believes adequate provision has been made in its consolidated financial statements for all probable and reasonably estimable losses for asbestos-related claims. MLIC's recorded asbestos liability is based on its estimation of the following elements, as informed by the facts presently known to it, its understanding of current law and its past experiences: (i) the probable and reasonably estimable liability for asbestos claims already asserted against MLIC, including claims settled but not yet paid; (ii) the probable and reasonably estimable liability for asbestos claims not yet asserted against MLIC, but which MLIC believes are reasonably probable of assertion; and (iii) the legal defense costs associated with the foregoing claims. Significant assumptions underlying MLIC's analysis of the adequacy of its recorded liability with respect to asbestos litigation include: (i) the number of future claims; (ii) the cost to resolve claims; and (iii) the cost to defend claims.

MLIC reevaluates on a quarterly and annual basis its exposure from asbestos litigation, including studying its claims experience, reviewing external literature regarding asbestos claims experience in the United States, assessing relevant trends impacting asbestos liability and considering numerous variables that can affect its asbestos liability exposure on an overall or per claim basis. These variables include bankruptcies of other companies involved in asbestos litigation, legislative and judicial developments, the number of pending claims involving serious disease, the number of new claims filed against it and other defendants and the jurisdictions in which claims are pending. Based upon its regular reevaluation of its exposure from asbestos litigation, MLIC has updated its liability analysis for asbestos-related claims through September 30, 2018.

**Regulatory Matters**

The Company receives and responds to subpoenas or other inquiries seeking a broad range of information from state regulators, including state insurance commissioners; state attorneys general or other state governmental authorities; federal regulators, including the SEC; federal governmental authorities, including congressional committees; and the Financial Industry Regulatory Authority ("FINRA"), as well as from local and national regulators and government authorities in jurisdictions outside the United States where MetLife conducts business. The issues involved in information requests and regulatory matters vary widely. The Company cooperates in these inquiries.

**In the Matter of Chemform, Inc. Site, Pompano Beach, Broward County, Florida**

In July 2010, the Environmental Protection Agency ("EPA") advised MLIC that it believed payments were due under two settlement agreements, known as "Administrative Orders on Consent," that New England Mutual Life Insurance Company ("New England Mutual") signed in 1989 and 1992 with respect to the cleanup of a Superfund site in Florida (the "Chemform Site"). The EPA originally contacted MLIC (as successor to New England Mutual) and a third party in 2001, and advised that they owed additional clean-up costs for the Chemform Site. The matter was not resolved at that time. In September 2012, the EPA, MLIC and the third party executed an Administrative Order on Consent under which MLIC and the third party agreed to be responsible for certain environmental testing at the Chemform Site. The EPA may seek additional costs if the environmental testing identifies issues. The EPA and MLIC have reached a settlement in principle on the EPA's claim for past costs. The Company estimates that the aggregate cost to resolve this matter, including the settlement for claims of past costs and the costs of environmental testing, will not exceed \$300 thousand.

**Sales Practices Regulatory Matters**

Regulatory authorities in a number of states and FINRA, and occasionally the SEC, have had investigations or inquiries relating to sales of individual life insurance policies or annuities or other products by MLIC and GALIC (which merged into MTL in April of 2018), as well as former subsidiaries of the Company that are part of Brighthouse as a result of the Separation, and a former broker-dealer subsidiary. These investigations often focus on the conduct of particular financial services representatives and the sale of unregistered or unsuitable products or the misuse of client assets. Over the past several years, these and a number of investigations by other regulatory authorities were resolved for monetary payments and certain other relief, including restitution payments. The Company may continue to resolve investigations in a similar manner. The Company believes adequate provision has been made in its consolidated financial statements for all probable and reasonably estimable losses for these sales practices-related investigations or



inquiries.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

15. Contingencies, Commitments and Guarantees (continued)

Unclaimed Property Litigation

City of Westland Police and Fire Retirement System v. MetLife, Inc., et al. (S.D.N.Y., filed January 12, 2012)

Seeking to represent a class of persons who purchased MetLife, Inc. common shares between February 2, 2010, and October 6, 2011, the plaintiff alleges that MetLife, Inc. and several current and former directors and executive officers of MetLife, Inc. violated the Securities Act of 1933, as well as the Securities Exchange Act of 1934 (“Exchange Act”) and Rule 10b-5 promulgated thereunder by issuing, or causing MetLife, Inc. to issue, materially false and misleading statements concerning MetLife, Inc.’s potential liability for millions of dollars in insurance benefits that should have been paid to beneficiaries or escheated to the states. Plaintiff seeks unspecified compensatory damages and other relief. On September 22, 2017, the Court granted plaintiff’s motion to certify its proposed class of persons who purchased or acquired MetLife, Inc. common stock in the Company’s August 3, 2010 offering or the Company’s March 4, 2011 offering. The defendants intend to defend this action vigorously.

Total Asset Recovery Services, LLC. v. MetLife, Inc., et al. (Supreme Court of the State of New York, County of New York, filed November 17, 2017)

Alleging that MetLife, Inc., MLIC, and several other insurance companies violated the New York False Claims Act (the “Act”) by filing false unclaimed property reports from 1986 to 2017 with New York to avoid having to escheat the proceeds of more than 25,000 life insurance policies, including policies for which the defendants escheated funds as part of their demutualizations in the late 1990s, Total Asset Recovery Services (“The Relator”) has brought an action under the qui tam provision of the Act on behalf of itself and New York. The Relator originally filed this action under seal in 2010, and the complaint was unsealed on December 19, 2017. The Relator seeks treble damages and other relief. The Company intends to defend this action vigorously.

Total Control Accounts Litigation

MLIC is a defendant in a lawsuit related to its use of retained asset accounts, known as Total Control Accounts (“TCA”), as a settlement option for death benefits.

Owens v. Metropolitan Life Insurance Company (N.D. Ga., filed April 17, 2014)

Plaintiff filed this class action lawsuit on behalf of all persons for whom MLIC established a TCA to pay death benefits under an Employee Retirement Income Security Act of 1974 (“ERISA”) plan. The action alleges that MLIC’s use of the TCA as the settlement option for life insurance benefits under some group life insurance policies violates MLIC’s fiduciary duties under ERISA. As damages, plaintiff seeks disgorgement of profits that MLIC realized on accounts owned by members of the class. In addition, plaintiff, on behalf of a subgroup of the class, seeks interest under Georgia’s delayed settlement interest statute, alleging that the use of the TCA as the settlement option did not constitute payment. On September 27, 2016, the court denied MLIC’s summary judgment motion in full and granted plaintiff’s partial summary judgment motion. On September 29, 2017, the court certified a nationwide class. The court also certified a Georgia subclass. The Company intends to defend this action vigorously.

Inquiries into Pension Benefits and Assumed Variable Annuity Guarantee Reserves and Related Litigation

The Company informed its primary state regulator, the New York Department of Financial Services (“NYDFS”), about its practices in connection with the payment of certain pension benefits to annuitants and related matters. The NYDFS is examining the issue. The Division of Enforcement of the SEC is also investigating this matter and several additional regulators have made inquiries into these practices, including as to related disclosures. It is possible that other jurisdictions may pursue similar investigations or inquiries. On January 29, 2018, the Company announced that in connection with a review of practices and procedures used to estimate reserves related to certain RIS group annuitants who have been unresponsive or missing over time, the Company had identified a material weakness in its internal control over financial reporting related to certain RIS group annuity reserves. In conjunction with the material weakness, the Company increased reserves by \$510 million pre-tax to reinstate reserves previously released, and to reflect accrued interest and other related liabilities. See Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

15. Contingencies, Commitments and Guarantees (continued)

The Company informed the SEC that as a result of its review of the calculation of reserves associated with certain variable annuity guarantees assumed from the former operating joint venture in Japan, the Company had identified a material weakness in its internal control over financial reporting related to these reserves. In conjunction with the material weakness, the Company decreased these reserves by \$896 million pre-tax at December 31, 2017. See Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report. The Division of Enforcement of the SEC is investigating this matter and the Company has informed other regulators. It is possible that other regulators may pursue similar investigations or inquiries.

The Company is exposed to lawsuits and regulatory investigations, and could be exposed to additional legal actions relating to these matters. These may result in payments, including damages, fines, penalties, interest and other amounts assessed or awarded by courts or regulatory authorities under applicable escheat, tax, securities, ERISA, or other laws or regulations. The Company could incur significant costs in connection with these actions. The Company's increase in reserves does not reflect, and the Company has not recorded an accrual for, any such potential amounts. An estimate of the possible loss or range of loss cannot be made at this time.

*Parchmann v. MetLife, Inc., et al.* (E.D.N.Y., filed February 5, 2018)

Seeking to represent a class of persons who purchased MetLife, Inc. common stock from February 27, 2013 through January 29, 2018, the plaintiff alleges that MetLife, Inc., its Chief Executive Officer and Chairman of the Board, and its CFO violated Section 10(b) of the Exchange Act and Rule 10b-5 promulgated thereunder by issuing materially false and/or misleading statements because the defendants failed to disclose that MetLife's practices and procedures used to estimate its reserves set aside for annuity and pension payments were inadequate, and that MetLife had inadequate internal control over financial reporting. The plaintiff seeks unspecified compensatory damages and other relief. The defendants intend to defend this action vigorously.

*Roycroft v. MetLife, Inc., et al.* (S.D.N.Y., filed June 18, 2018)

Plaintiff filed this putative class action on behalf of all persons due benefits under group annuity contracts but who did not receive the entire amount to which they were entitled. Plaintiff asserts claims for unjust enrichment, accounting, and restitution based on allegations that the Company failed to timely pay annuity benefits to certain group annuitants. Plaintiff seeks declaratory and injunctive relief, as well as unspecified compensatory and punitive damages, and other relief. The Company intends to defend this action vigorously.

*In the Matter of MetLife, Inc.* (Mass. Sec. Div., filed June 25, 2018)

The Enforcement Section of the Massachusetts Securities Division of the Office of the Secretary of the Commonwealth (the "MSD") filed an administrative complaint in order to commence an adjudicatory proceeding against the Company for alleged violations of Section 101 of the Massachusetts Uniform Securities Act and regulations promulgated thereunder, alleging that the Company made materially misleading statements regarding the sufficiency of its reserves related to group annuity contracts and the effectiveness of its internal control over financial reporting. The MSD seeks injunctive relief, as well as an unspecified administrative fine and other relief. The Company intends to defend this action vigorously.

**Demands**

The MetLife, Inc. Board of Directors has received three letters, dated March 28, 2018, May 11, 2018, and July 16, 2018 written on behalf of individual stockholders, demanding that MetLife, Inc. take action against current and former directors and officers for alleged breaches of fiduciary duty and/or investigate, remediate, and recover damages allegedly suffered by the Company as a result of (i) the Company's allegedly inadequate practices and procedures used to estimate reserves for annuity and pension payments, (ii) the Company's allegedly inadequate internal controls over financial reporting and corporate governance practices and procedures, and (iii) the alleged dissemination of false or misleading information related to these issues. The MetLife, Inc. Board of Directors has appointed a special committee to investigate the allegations set forth in these three letters.



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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

15. Contingencies, Commitments and Guarantees (continued)

Other Litigation

Sun Life Assurance Company of Canada Indemnity Claim

In 2006, Sun Life Assurance Company of Canada (“Sun Life”), as successor to the purchaser of MLIC’s Canadian operations, filed a lawsuit in Toronto, seeking a declaration that MLIC remains liable for “market conduct claims” related to certain individual life insurance policies sold by MLIC that were subsequently transferred to Sun Life. In January 2010, the court found that Sun Life had given timely notice of its claim for indemnification but, because it found that Sun Life had not yet incurred an indemnifiable loss, granted MLIC’s motion for summary judgment. In September 2010, Sun Life notified MLIC that a purported class action lawsuit was filed against Sun Life in Toronto alleging sales practices claims regarding the policies sold by MLIC and transferred to Sun Life (the “Ontario Litigation”). On August 30, 2011, Sun Life notified MLIC that another purported class action lawsuit was filed against Sun Life in Vancouver, BC alleging sales practices claims regarding certain of the same policies sold by MLIC and transferred to Sun Life. Sun Life contends that MLIC is obligated to indemnify Sun Life for some or all of the claims in these lawsuits. In September 2018, the Court of Appeal for Ontario affirmed the lower court’s decision to not certify the sales practices claims in the Ontario Litigation. These sales practices cases against Sun Life are ongoing, and the Company is unable to estimate the reasonably possible loss or range of loss arising from this litigation.

Voshall v. Metropolitan Life Insurance Company (Superior Court of the State of California, County of Los Angeles, April 8, 2015)

Plaintiff filed this putative class action lawsuit on behalf of himself and all persons covered under a long-term group disability income insurance policy issued by MLIC to public entities in California between April 8, 2011 and April 8, 2015. Plaintiff alleges that MLIC improperly reduced benefits by including cost of living adjustments and employee paid contributions in the employer retirement benefits and other income that reduces the benefit payable under such policies. Plaintiff asserts causes of action for declaratory relief, violation of the California Business & Professions Code, breach of contract and breach of the implied covenant of good faith and fair dealing. The Company intends to defend this action vigorously.

Martin v. Metropolitan Life Insurance Company, (Superior Court of the State of California, County of Contra Costa, filed December 17, 2015)

Plaintiffs filed this putative class action lawsuit on behalf of themselves and all California persons who have been charged compound interest by MLIC in life insurance policy and/or premium loan balances within the last four years. Plaintiffs allege that MLIC has engaged in a pattern and practice of charging compound interest on life insurance policy and premium loans without the borrower authorizing such compounding, and that this constitutes an unlawful business practice under California law. Plaintiffs assert causes of action for declaratory relief, violation of California’s Unfair Competition Law and Usury Law, and unjust enrichment. Plaintiffs seek declaratory and injunctive relief, restitution of interest, and damages in an unspecified amount. On April 12, 2016, the court granted MLIC’s motion to dismiss. Plaintiffs have appealed this ruling to the United States Court of Appeals for the Ninth Circuit. The Company intends to defend this action vigorously.

Newman v. Metropolitan Life Insurance Company (N.D. Ill., filed March 23, 2016)

Plaintiff filed this putative class action alleging causes of action for breach of contract, fraud, and violations of the Illinois Consumer Fraud and Deceptive Business Practices Act, based on MLIC’s class-wide increase in premiums charged for long-term care insurance policies. Plaintiff alleges a class consisting of herself and all persons over age 65 who selected a Reduced Pay at Age 65 payment feature and whose premium rates were increased after age 65. Plaintiff asserts that premiums could not be increased for these class members and/or that marketing material was misleading as to MLIC’s right to increase premiums. Plaintiff seeks unspecified compensatory, statutory and punitive damages, as well as recessionary and injunctive relief. On April 12, 2017, the court granted MLIC’s motion, dismissing the action with prejudice. Plaintiff appealed this ruling to the United States Court of Appeals for the Seventh Circuit (the “Seventh Circuit”) and on February 6, 2018, the Seventh Circuit reversed and remanded for further proceedings, ruling that Plaintiff is entitled to relief on her contract claim. Following MLIC’s petition for rehearing, the

Seventh Circuit issued an amended opinion on March 22, 2018, holding that plaintiff's claim survived MLIC's motion to dismiss but finding that the policy is ambiguous as to MLIC's right to raise plaintiff's premiums. The Seventh Circuit held that on remand to the district court, the parties may introduce evidence to try to resolve this ambiguity.

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MetLife, Inc.

Notes to the Interim Condensed Consolidated Financial Statements (Unaudited) — (continued)

15. Contingencies, Commitments and Guarantees (continued)

Miller, et al. v. MetLife, Inc., et al. (C.D. Cal., filed April 7, 2017)

Plaintiff filed this putative class action against MetLife, Inc. and MLIC in the U.S. District Court for the Central District of California, purporting to assert claims on behalf of all persons who replaced their MetLife Optional Term Life or Group Universal Life policy with a Group Variable Universal Life policy wherein MetLife allegedly charged smoker rates for certain non-smokers. Plaintiff seeks unspecified compensatory and punitive damages, as well as other relief. On September 25, 2017, plaintiff dismissed the action and refiled the complaint in U.S. District Court for the Southern District of New York. On November 9, 2017, plaintiff dismissed MetLife, Inc. without prejudice from the action. MLIC intends to defend this action vigorously.

Julian & McKinney v. Metropolitan Life Insurance Company (S.D.N.Y., filed February 9, 2017)

Plaintiffs filed this putative class and collective action on behalf of themselves and all current and former long-term disability (“LTD”) claims specialists between February 2011 and the present for alleged wage and hour violations under the Fair Labor Standards Act, the New York Labor Law, and the Connecticut Minimum Wage Act. The suit alleges that MetLife improperly reclassified the plaintiffs and similarly situated LTD claims specialists from non-exempt to exempt from overtime pay in November 2013. As a result, they and members of the putative class were no longer eligible for overtime pay even though they allege they continued to work more than 40 hours per week. On March 22, 2018, the Court conditionally certified the case as a collective action, requiring that notice be mailed to LTD claims specialists who worked for the Company from February 8, 2014 to the present. The Company intends to defend this action vigorously.

Sales Practices Claims

Over the past several years, the Company has faced numerous claims, including class action lawsuits, alleging improper marketing or sales of individual life insurance policies, annuities, mutual funds, other products or the misuse of client assets. Some of the current cases seek substantial damages, including punitive and treble damages and attorneys’ fees. The Company continues to defend vigorously against the claims in these matters. The Company believes adequate provision has been made in its consolidated financial statements for all probable and reasonably estimable losses for sales practices matters.

Summary

Putative or certified class action litigation and other litigation and claims and assessments against the Company, in addition to those discussed previously and those otherwise provided for in the Company’s consolidated financial statements, have arisen in the course of the Company’s business, including, but not limited to, in connection with its activities as an insurer, mortgage lending bank, employer, investor, investment advisor and taxpayer. Further, state insurance regulatory authorities and other federal and state authorities regularly make inquiries and conduct investigations concerning the Company’s compliance with applicable insurance and other laws and regulations. It is not possible to predict the ultimate outcome of all pending investigations and legal proceedings. In some of the matters referred to previously, very large and/or indeterminate amounts, including punitive and treble damages, are sought. Although in light of these considerations it is possible that an adverse outcome in certain cases could have a material effect upon the Company’s financial position, based on information currently known by the Company’s management, in its opinion, the outcomes of such pending investigations and legal proceedings are not likely to have such an effect. However, given the large and/or indeterminate amounts sought in certain of these matters and the inherent unpredictability of litigation, it is possible that an adverse outcome in certain matters could, from time to time, have a material effect on the Company’s consolidated net income or cash flows in particular quarterly or annual periods.

Commitments

Mortgage Loan Commitments

The Company commits to lend funds under mortgage loan commitments. The amounts of these mortgage loan commitments were \$4.3 billion and \$3.4 billion at September 30, 2018 and December 31, 2017, respectively.



#### Commitments to Fund Partnership Investments, Bank Credit Facilities, Bridge Loans and Private Corporate Bond Investments

The Company commits to fund partnership investments and to lend funds under bank credit facilities, bridge loans and private corporate bond investments. The amounts of these unfunded commitments were \$6.7 billion and \$6.1 billion at September 30, 2018 and December 31, 2017, respectively.

#### Guarantees

In the normal course of its business, the Company has provided certain indemnities, guarantees and commitments to third parties such that it may be required to make payments now or in the future. In the context of acquisition, disposition, investment and other transactions, the Company has provided indemnities and guarantees, including those related to tax, environmental and other specific liabilities and other indemnities and guarantees that are triggered by, among other things, breaches of representations, warranties or covenants provided by the Company. In addition, in the normal course of business, the Company provides indemnifications to counterparties in contracts with triggers similar to the foregoing, as well as for certain other liabilities, such as third-party lawsuits. These obligations are often subject to time limitations that vary in duration, including contractual limitations and those that arise by operation of law, such as applicable statutes of limitation. In some cases, the maximum potential obligation under the indemnities and guarantees is subject to a contractual limitation ranging from less than \$1 million to \$329 million, with a cumulative maximum of \$772 million, while in other cases such limitations are not specified or applicable. Since certain of these obligations are not subject to limitations, the Company does not believe that it is possible to determine the maximum potential amount that could become due under these guarantees in the future. Management believes that it is unlikely the Company will have to make any material payments under these indemnities, guarantees, or commitments. In addition, the Company indemnifies its directors and officers as provided in its charters and by-laws. Also, the Company indemnifies its agents for liabilities incurred as a result of their representation of the Company's interests. Since these indemnities are generally not subject to limitation with respect to duration or amount, the Company does not believe that it is possible to determine the maximum potential amount that could become due under these indemnities in the future.

The Company has also minimum fund yield requirements on certain international pension funds in accordance with local laws. Since these guarantees are not subject to limitation with respect to duration or amount, the Company does not believe that it is possible to determine the maximum potential amount that could become due under these guarantees in the future.

The Company's recorded liabilities were \$6 million and \$5 million at September 30, 2018 and December 31, 2017, respectively, for indemnities, guarantees and commitments.

#### 16. Subsequent Events

##### Common Stock Repurchase Authorization

On November 1, 2018, MetLife, Inc. announced that its Board of Directors authorized an additional \$2.0 billion of common stock repurchases.

##### Common Stock Dividend

On October 23, 2018, the MetLife, Inc. Board of Directors declared a fourth quarter 2018 common stock dividend of \$0.42 per share payable on December 13, 2018 to shareholders of record as of November 6, 2018. The Company estimates that the aggregate dividend payment will be \$416 million.

##### New York Special Considerations Letter

The NYDFS issued its annual "Special Considerations" letter ("SCL") to New York licensed insurers on November 2, 2018, including to one of the Company's primary insurance subsidiaries, MLIC. The SCL includes certain provisions that require such insurers, among other things, to use certain assumptions and perform certain tests as part of year-end asset adequacy testing. The Company is currently evaluating the SCL's potential impact.

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## Forward-Looking Statements and Other Financial Information

For purposes of this discussion, “MetLife,” the “Company,” “we,” “our” and “us” refer to MetLife, Inc., a Delaware corporation incorporated in 1999, its subsidiaries and affiliates. This discussion should be read in conjunction with MetLife, Inc.’s Annual Report on Form 10-K for the year ended December 31, 2017 (the “2017 Annual Report”), the cautionary language regarding forward-looking statements included below, the “Risk Factors” set forth in Part II, Item 1A, and the additional risk factors referred to therein, “Quantitative and Qualitative Disclosures About Market Risk” and the Company’s interim condensed consolidated financial statements included elsewhere herein.

This Management’s Discussion and Analysis of Financial Condition and Results of Operations may contain or incorporate by reference information that includes or is based upon forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements give expectations or forecasts of future events. These statements can be identified by the fact that they do not relate strictly to historical or current facts. They use words and terms such as “anticipate,” “estimate,” “expect,” “project,” “intend,” “plan,” “believe,” “will,” and other words or terms of similar meaning, or are tied to future periods, in connection with a discussion of future performance. In particular, these include statements relating to future actions, prospective services or products, future performance or results of current and anticipated services or products, sales efforts, expenses, the outcome of contingencies such as legal proceedings, trends in operations and financial results. Many factors will be important in determining the results of MetLife, Inc., its subsidiaries and affiliates. Forward-looking statements are based on our assumptions and current expectations, which may be inaccurate, and on the current economic environment, which may change. These statements are not guarantees of future performance. They involve a number of risks and uncertainties that are difficult to predict. Results could differ materially from those expressed or implied in the forward-looking statements. See “Note Regarding Forward-Looking Statements.”

This Management’s Discussion and Analysis of Financial Condition and Results of Operations includes references to our performance measures, adjusted earnings and adjusted earnings available to common shareholders, that are not based on accounting principles generally accepted in the United States of America (“GAAP”). These measures are used by management to evaluate performance and allocate resources. Consistent with GAAP guidance for segment reporting, adjusted earnings is also our GAAP measure of segment performance. Adjusted earnings and other financial measures based on adjusted earnings are also the measures by which senior management’s and many other employees’ performance is evaluated for the purposes of determining their compensation under applicable compensation plans. Adjusted earnings and other financial measures based on adjusted earnings allow analysis of our performance relative to our business plan and facilitate comparisons to industry results. Forward-looking guidance provided on a non-GAAP basis cannot be reconciled to the most directly comparable GAAP measures on a forward-looking basis because net income may fluctuate significantly if net investment gains and losses and net derivative gains and losses move outside of estimated ranges. See “— Non-GAAP and Other Financial Disclosures” for definitions and a discussion of these measures, and “— Results of Operations” for reconciliations of historical non-GAAP financial measures to the most directly comparable GAAP measures.

## Executive Summary

## Overview

MetLife is one of the world’s leading financial services companies, providing insurance, annuities, employee benefits and asset management. MetLife is organized into five segments: U.S.; Asia; Latin America; Europe, the Middle East and Africa (“EMEA”); and MetLife Holdings. In addition, the Company reports certain of its results of operations in Corporate & Other. See Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for further information on the Company’s segments and Corporate & Other. Management continues to evaluate the Company’s segment performance and allocated resources and may adjust related measurements in the future to better reflect segment profitability.

## Group Annuity Reserves, Assumed Variable Annuity Guarantee Reserves and Other Revisions

As discussed in “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Executive Summary — Overview — Group Annuity Reserves, Assumed Variable Annuity Guarantee Reserves and Other Revisions” included in the 2017 Annual Report, material weaknesses were identified in internal control over financial reporting relating to the review of practices and procedures used to estimate (i) the Company’s reserves related to certain

Retirement and Income Solutions (“RIS”) group annuitants who have been unresponsive or missing over time and (ii) certain reserves associated with MetLife Holdings variable annuity guarantees assumed from a former operating joint venture in Japan. An update of the remediation plan to remove the material weaknesses is further described in “Controls and Procedures.” Also, see Note 1 of the Notes to the Interim Condensed Consolidated Financial Statements for prior year periods’ revisions related to the Company’s consolidated results, as well as “Risk Factors” disclosed in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under Item 1A. Risk Factors, for further information.

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U.S. Tax Reform

On December 22, 2017, President Trump signed into law H.R.1, commonly referred to as the Tax Cuts and Jobs Act of 2017 (“U.S. Tax Reform”). U.S. Tax Reform includes numerous changes in tax law, including a permanent reduction in the U.S. federal corporate income tax rate from 35% to 21%, which took effect for taxable years beginning on or after January 1, 2018, a participation exemption system which generally eliminates U.S. federal income tax on dividends received from foreign subsidiaries, and a number of other revenue raisers.

Given the complexities of U.S. Tax Reform, amounts recorded may change, possibly materially, due to, among other things, changes in interpretations and assumptions made by the Company, additional guidance that may be issued and actions that the Company may take. The Company continues to anticipate its 2018 effective tax rate to be in the range of 18% to 20%. See Notes 1 and 13 of the Notes to the Interim Condensed Consolidated Financial Statements for a further discussion of U.S. Tax Reform and the impact to the Company in the third quarter of 2018.

Separation of Brighthouse

On August 4, 2017, MetLife, Inc. completed the separation of Brighthouse Financial, Inc. and its subsidiaries (“Brighthouse”) through a distribution of 96,776,670 shares of Brighthouse Financial, Inc. common stock to the MetLife, Inc. common shareholders (the “Separation”). MetLife, Inc. retained the remaining ownership interest of 22,996,436 shares, or 19.2%, of Brighthouse Financial, Inc. common stock outstanding. The Separation resulted in the elimination of the Brighthouse Financial segment. The results of Brighthouse are reflected in the Company’s interim condensed consolidated financial statements as discontinued operations and, therefore, are presented as income (loss) from discontinued operations on the interim condensed consolidated statements of operations and comprehensive income (loss). The reporting of discontinued operations had no impact on total consolidated net income (loss) for any of the periods presented.

In June 2018, the Company sold fair value option (“FVO”) Brighthouse Financial, Inc. common stock (“FVO Brighthouse Common Stock”) in exchange for \$944 million aggregate principal amount of MetLife, Inc. senior notes, which MetLife, Inc. canceled. At September 30, 2018, the Company no longer held any shares of Brighthouse Financial, Inc. for its own account; however, certain insurance company separate accounts managed by the Company held shares of Brighthouse Financial, Inc.

See Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements for further information.

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Current Period Highlights

During the three months ended September 30, 2018, overall sales decreased compared to the prior period despite increases in many of our businesses. In our U.S. segment, our Retirement and Income Solutions (“RIS”) business experienced lower sales of stable value products and pension risk transfers, as well as a decrease in funding agreement issuances, while sales from our Group Benefits and Property & Casualty businesses improved. In Japan, sales of foreign currency-denominated annuity products, as well as accident & health products, increased. Our Asia segment also benefited from a group case sale in Australia and higher sales from emerging markets, mainly in China. In addition, positive net flows drove an increase in our investment portfolio and investment yields improved, however, interest credited rates were higher. Results declined due to the impact of our annual actuarial assumption review in both periods. The favorable change in net investment gains (losses) reflected the prior period loss on our retained investment in Brighthouse Financial, Inc. recognized in connection with the Separation. Changes in long-term interest rates drove an unfavorable change in net derivative gains (losses). Our results for the prior period included a loss from the operations of Brighthouse that are reflected in discontinued operations.

The following represents segment level results and percentage contributions to total segment level adjusted earnings available to common shareholders for the three months ended September 30, 2018:

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(1) Excludes Corporate & Other adjusted loss available to common shareholders of \$237 million.

Consistent with GAAP guidance for segment reporting, adjusted earnings is our GAAP measure of segment (2) performance. For additional information see Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements.

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Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017  
Consolidated Results - Highlights

Net income (loss) available to MetLife, Inc.'s common shareholders up \$977 million:

- Favorable change in income (loss) from discontinued operations, net of income tax, of \$968 million
- Favorable change in net investment gains (losses) of \$723 million (\$571 million, net of income tax)
- Favorable change in results from divested businesses of \$297 million (\$272 million, net of income tax)
- Adjusted earnings available to common shareholders up \$261 million
- Unfavorable impact from a prior period tax-related benefit of \$554 million related to the Separation
- Unfavorable impact from annual actuarial assumption reviews in both periods of \$430 million (\$320 million, net of income tax)
- Unfavorable change in net derivative gains (losses) of \$255 million (\$201 million, net of income tax)

(1) See “— Results of Operations — Consolidated Results” and “— Non-GAAP and Other Financial Disclosures” for reconciliations and definitions of non-GAAP financial measures.

Consolidated Results - Adjusted Earnings Highlights

Adjusted earnings available to common shareholders up \$261 million:

The primary drivers of the increase in adjusted earnings were higher net investment income due to a larger asset base and higher investment yields, a prior period tax charge, the favorable impact of U.S. Tax Reform and favorable underwriting, partially offset by higher interest credited expenses and the unfavorable impact of our annual actuarial assumption review.

- Our results for the three months ended September 30, 2018 included the following:
  - unfavorable impact from our annual actuarial assumption review of \$42 million, net of income tax
  - favorable impact from U.S. Tax Reform of \$70 million
  - expenses associated with our previously announced unit cost initiative of \$88 million, net of income tax
  - a \$63 million, net of income tax, charge due to a current period increase in our incurred but not reported (“IBNR”) life reserves, reflecting enhancements to our processes related to potential claims
  - a \$37 million favorable net insurance adjustment resulting from reserve and deferred policy acquisition costs (“DAC”) modeling improvements in our individual disability insurance business
- Our results for the three months ended September 30, 2017 included the following:
  - net tax-related charges of \$176 million consisting of (i) a \$180 million net tax charge related to the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations, and (ii) a \$4 million net tax-related benefit from the finalization of certain tax audits
  - favorable impact from our annual assumption review of \$89 million, net of income tax
  - favorable reserve adjustment of \$21 million, net of income tax, resulting from modeling improvements in the reserving process for certain of our life business
  - a \$17 million, net of income tax, increase in expenses associated with our previously announced unit cost initiative

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For a more in-depth discussion of our consolidated results, see “— Results of Operations — Consolidated Results,” “— Results of Operations — Consolidated Results — Adjusted Earnings” and “— Results of Operations — Segment Results and Corporate Other.”

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Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017  
Consolidated Results - Highlights

Net income (loss) available to MetLife, Inc.'s common shareholders up \$1.3 billion:

- Favorable change in income (loss) from discontinued operations, net of income tax, of \$986 million
- Favorable change in results from divested businesses of \$706 million (\$429 million, net of income tax)
- Adjusted earnings available to common shareholders up \$568 million
- Favorable change in net derivative gains (losses) of \$447 million (\$353 million, net of income tax)
- Unfavorable impact from a prior period tax-related benefit of \$554 million related to the Separation
- Unfavorable impact from annual actuarial assumption reviews in both periods of \$430 million (\$320 million, net of income tax)

(1) See “— Results of Operations — Consolidated Results” and “— Non-GAAP and Other Financial Disclosures” for reconciliations and definitions of non-GAAP financial measures.

Consolidated Results - Adjusted Earnings Highlights

Adjusted earnings available to common shareholders up \$568 million:

The primary drivers of the increase in adjusted earnings were higher net investment income due to a larger asset base and higher investment yields, the favorable impact of U.S. Tax Reform, a prior period tax charge and favorable underwriting, partially offset by higher interest credited expenses and the unfavorable impact of our annual actuarial assumption review.

- Our results for the nine months ended September 30, 2018 included the following:
  - unfavorable impact from our annual actuarial assumption review of \$42 million, net of income tax
  - favorable impact from U.S. Tax Reform of \$235 million
  - expenses associated with our previously announced unit cost initiative of \$184 million, net of income tax

• favorable reserve adjustment of \$62 million, net of income tax, relating to certain variable annuity guarantees assumed from a former joint venture in Japan

• a \$63 million, net of income tax, charge due to a current period increase in our IBNR life reserves, reflecting enhancements to our processes related to potential claims

• a \$37 million favorable net insurance adjustment resulting from reserve and DAC modeling improvements in our individual disability insurance business

- Our results for the nine months ended September 30, 2017 included the following:
  - net tax-related charges of \$153 million consisting of (i) a \$180 million net tax charge related to the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations, and (ii) a \$27 million net tax-related benefit from the finalization of certain tax audits
  - favorable impact from our annual assumption review of \$89 million, net of income tax
  - expenses associated with our previously announced unit cost initiative of \$60 million, net of income tax

- \$40 million, net of income tax, unfavorable impact from variable annuity and life reinsurance recaptures
- charge of \$36 million, net of income tax, for lease impairments

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favorable  
reserve  
adjustments of  
\$55 million,  
net of income  
tax, resulting  
from modeling  
improvements  
in the  
reserving  
process in  
certain of our  
life businesses  
a \$21 million,  
net of income  
tax, charge for  
expenses  
incurred  
related to a  
guaranty fund  
assessment for  
Penn Treaty  
Network  
America  
Insurance  
Company  
("Penn Treaty")  
a benefit of  
\$12 million,  
net of income  
tax, related to  
a refinement to  
prior period  
reinsurance  
receivables in  
Australia

For a more in-depth discussion of our consolidated results, see "— Results of Operations — Consolidated Results," "— Results of Operations — Consolidated Results — Adjusted Earnings" and "— Results of Operations — Segment Results and Corporate Other."

Other Key Information

Basis of Presentation

Discontinued Operations

The results of Brighthouse are reflected in the Company's consolidated financial statements as discontinued operations. See "— Overview — Separation of Brighthouse" and Note 3 of the Notes to the Interim Condensed Consolidated Financial Statements for information on discontinued operations and transactions with Brighthouse.

Revisions

See Note 1 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding prior year periods' revisions related to the Company's consolidated results.

Hurricanes

In October 2018, Hurricane Michael made landfall in the Florida Panhandle causing loss of lives and extensive property damage. MetLife is currently evaluating the impact of Hurricane Michael on its Property & Casualty business reported in the U.S. segment, and estimates a potential loss of approximately \$10 million to \$13 million (\$8 million to \$10 million, net of income tax), which has not yet been recorded as of September 30, 2018.

In September 2018, Hurricane Florence made landfall in North Carolina and South Carolina causing loss of lives and extensive property damage. As of September 30, 2018, MetLife's Property & Casualty business recognized a loss from Hurricane Florence of \$15 million (\$12 million, net of income tax).

Additional storm-related losses may be recorded in future periods as claims are received from insureds.

#### Argentina Highly Inflationary

The inflation levels in Argentina have been elevated for several years. In the first half of 2018, Argentina's reported inflation rates began to increase dramatically and the Argentine central bank significantly increased interest rates in an effort to combat inflation. Based on Argentina's reported inflation rates and trends, as of July 1, 2018, we designated Argentina as a highly inflationary economy for accounting purposes. In the third quarter of 2018, the change to highly inflationary accounting did not have a material impact on the Company's interim condensed consolidated financial statements.

#### Industry Trends

The following information on industry trends should be read in conjunction with "Management's Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends" in Part II, Item 7, of the 2017 Annual Report.

The changing global financial and economic environment that affects our industry also continues to affect us.

#### Financial and Economic Environment

Our business and results of operations are materially affected by conditions in the global capital markets and the economy generally. Stressed conditions, volatility and disruptions in global capital markets, particular markets, or financial asset classes can have an adverse effect on us, in part because we have a large investment portfolio and our insurance liabilities and derivatives are sensitive to changing market factors. See "Risk Factors — Economic Environment and Capital Markets-Related Risks — We Are Exposed to Significant Global Financial and Capital Markets Risks Which May Adversely Affect Our Results of Operations, Financial Condition and Liquidity, and May Cause Our Net Investment Income to Vary from Period to Period" and "Risk Factors — Economic Environment and Capital Markets-Related Risks — Difficult Conditions in the Global Capital Markets and the Economy Generally May Materially Adversely Affect Our Business and Results of Operations" in the 2017 Annual Report.

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We have market presence in numerous countries and, therefore, our business operations are exposed to risks posed by local and regional economic conditions. See “Risk Factors — Risks Related to Our Business — Our International Operations Face Political, Legal, Operational and Other Risks, Including Exposure to Local and Regional Economic Conditions, That Could Negatively Affect Those Operations or Our Profitability” and “Risk Factors — Risks Related to Our Business — Fluctuations in Foreign Currency Exchange Rates Could Negatively Affect Our Profitability” in the 2017 Annual Report. See “— Executive Summary — Other Key Information — Argentina Highly Inflationary” for further information regarding the impact of Argentina’s highly inflationary economy on the Company’s interim condensed consolidated financial statements.

We are closely monitoring political and economic conditions that might contribute to global market volatility and impact our business operations, investment portfolio and derivatives. For example, events following the U.K.’s referendum on June 23, 2016 and the uncertainties, including foreign currency exchange risks, associated with its pending withdrawal from the European Union (“EU”), have contributed to market volatility, both in the U.S. and beyond. These factors could contribute to weakening Gross Domestic Product growth, primarily in the U.K. and, to a lesser degree, in continental Europe. The magnitude and longevity of the potential negative economic impacts would depend on the detailed agreements reached by the U.K. and the EU as a result of the negotiations regarding future trade and other arrangements. See “— Investments — Current Environment — Selected Country Investments.” We are also monitoring the imposition of tariffs or other barriers to international trade, changes to international trade agreements, and their potential impacts on our business, results of operations and financial condition. See “Risk Factors — Economic Environment and Capital Markets-Related Risks — Difficult Conditions in the Global Capital Markets and the Economy Generally May Materially Adversely Affect Our Business and Results of Operations” and “Risk Factors — Risks Related to Our Business — Our International Operations Face Political, Legal, Operational and Other Risks, Including Exposure to Local and Regional Economic Conditions, That Could Negatively Affect Those Operations or Our Profitability” in the 2017 Annual Report.

Central banks around the world are using monetary policy to address regional economic conditions. For example, in the United States, citing a strengthening economy, the Board of Governors of the Federal Reserve System (“Federal Reserve Board”) has continued along its stated path of balance sheet tapering and the Federal Reserve Board’s Federal Open Market Committee has continued to increase the federal funds rate, most recently in September 2018. While the European Central Bank has continued to expand its balance sheet via quantitative easing, it is doing so at a slower pace and is expected to end quantitative easing by the end of 2018. In Japan, however, the Japanese government and the Bank of Japan are maintaining stimulus measures in order to boost inflation expectations and achieve sustainable economic growth in Japan. Such measures include the imposition of a negative rate on commercial bank deposits, continued government bond purchases and tax reform, including the lowering of the Japanese corporate tax rate and the delay until 2019 of an increase in the consumption tax to 10%. Going forward, Japan’s structural and demographic challenges may continue to limit its potential growth unless reforms that boost productivity are put into place. Japan’s high public sector debt levels are mitigated by low refinancing risks. Further actions by central banks in the future may affect interest rates and risk markets in the U.S., Europe, Japan and other developed and emerging economies, and may ultimately result in market volatility. We cannot predict with certainty the effect of these actions or the impact on our business operations, investment portfolio or derivatives. See “— Investments — Current Environment.”

**Impact of a Sustained Low Interest Rate Environment**

During sustained periods of low interest rates, we may have to invest insurance cash flows and reinvest the cash flows we received as interest or return of principal on our investments in lower yielding instruments. Moreover, borrowers may prepay or redeem the fixed income securities, mortgage loans and mortgage-backed securities in our investment portfolio with greater frequency in order to borrow at lower market rates. Therefore, some of our products expose us to the risk that a reduction in interest rates will reduce the difference between the amounts that we are required to credit on contracts in our general account and the rate of return we are able to earn on investments intended to support obligations under these contracts. This difference between interest earned and interest credited, or margin, is a key metric for the management of, and reporting for, many of our businesses.

Our expectations regarding future margins are an important component impacting the amortization of certain intangible assets such as DAC and value of business acquired (“VOBA”). Significantly lower margins may cause us to

accelerate the amortization, thereby reducing net income in the affected reporting period. Additionally, lower margins may also impact the recoverability of intangible assets such as goodwill, require the establishment of additional liabilities or trigger loss recognition events on certain policyholder liabilities. We review this long-term margin assumption, along with other assumptions, as part of our annual actuarial assumption review. See “— Results of Operations — Consolidated Results — Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017 — Actuarial Assumption Review and Certain Other Insurance Adjustments” for further information.

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Some of our separate account products, including variable annuities, have certain minimum guarantee benefits. Declining interest rates increase the reserves we need to set up to protect the guarantee benefits, thereby reducing net income in the affected reporting period.

In formulating economic assumptions for its insurance contract assumptions, the Company uses projections that it makes regarding interest rates. Included in these assumptions is the projection that the 10-year Treasury rate will rise to 4.25% by 2027. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Impact of a Sustained Low Interest Rate Environment — Low Interest Rate Scenario” included in the 2017 Annual Report for further information.

**Competitive Pressures**

The life insurance industry remains highly competitive. Product development is focused on differentiation leading to more intense competition with respect to product features and services. Several of the industry’s products can be quite homogeneous and subject to intense price competition. Cost reduction efforts are a priority for industry players, with benefits resulting in price adjustments to favor customers and reinvestment capacity. Larger companies have the ability to invest in brand equity, product development, technology optimization, risk management, and innovation, which are among the fundamentals for sustained profitable growth in the life insurance industry. Insurers are focused on their core businesses, specifically in markets where they can achieve scale. Insurers are increasingly seeking alternative sources of revenue; there is a focus on monetization of assets, fee-based services, and opportunities to offer comprehensive solutions, which include providing value-added services along with traditional products. Financial strength and flexibility and technology modernization are prerequisites for sustainable growth in the life insurance industry. Larger market participants tend to have the capacity to invest in analytics, distribution, and information technology and have the capability to engage with the new digital entrants. There is a shift in distribution from proprietary to third party models in mature markets, due to the lower cost structure. Evolving customer expectations are having a significant impact on the competitive environment as insurers strive to offer the superior customer service demanded by an increasingly sophisticated industry client base. We believe that the continued volatility of the financial markets and its impact on the capital position of many competitors will continue to strain the competitive environment. Legislative and other changes affecting the regulatory environment can also affect the competitive environment within the life insurance industry and within the broader financial services industry. See “— Industry Trends — Regulatory Developments,” as well as “Business — Regulation” in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under the caption “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Regulatory Developments.” We believe that the aforementioned factors have highlighted financial strength, technology efficiency, and organizational agility as the most significant differentiators and, as a result, we believe the Company is well positioned to compete in this environment.

**Regulatory Developments**

The following discussion on regulatory developments should be read in conjunction with “Business — Regulation” in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under the caption “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Regulatory Developments.”

In the United States, our life insurance companies are regulated primarily at the state level by state insurance regulators, with some products and services also subject to federal regulation. In addition, MetLife, Inc. and its U.S. insurance subsidiaries are subject to regulation under the insurance holding company laws of various U.S. jurisdictions. Furthermore, some of MetLife’s operations, products and services are subject to consumer protection laws, securities, broker-dealer and investment adviser regulations, environmental and unclaimed property laws and regulations, and to the Employee Retirement Income Security Act of 1974. See “— U.S. Regulation” below, as well as “Business — Regulation — U.S. Regulation,” “Risk Factors — Regulatory and Legal Risks — Our Insurance, Pensions and Brokerage Businesses Are Highly Regulated, and Changes in Regulation and in Supervisory and Enforcement Policies May Reduce Our Profitability and Limit Our Growth,” “Risk Factors — Risks Related to Our Business — Our Statutory Life Insurance Reserve Financings May Be Subject to Cost Increases and New Financings May Be Subject to Limited Market Capacity,” and “Risk Factors — Regulatory and Legal Risks — Changes in U.S. Federal, State Securities and State

Insurance Laws and Regulations May Affect Our Operations and Our Profitability” included in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under the caption “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Regulatory Developments” and similarly named sections under the caption “Risk Factors.”



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Our international insurance operations are principally regulated by insurance regulatory authorities in the jurisdictions in which they are located or operate. In addition, our investment and pension companies outside of the U.S. are subject to oversight by the relevant securities, pension and other authorities of the jurisdictions in which the companies operate. Our non-U.S. insurance businesses are also subject to current and developing solvency regimes which impose various capital and other requirements. Additionally, we may be subject in the future to enhanced capital standards, supervision and additional requirements of other international and global regulatory initiatives. See “— International Regulation” below, as well as “Business — Regulation — International Regulation” and “Risk Factors — Regulatory and Legal Risks — Our Insurance, Pensions and Brokerage Businesses Are Highly Regulated, and Changes in Regulation and in Supervisory and Enforcement Policies May Reduce Our Profitability and Limit Our Growth,” included in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under the caption “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Regulatory Developments” and similarly named sections under the caption “Risk Factors.”

## U.S. Regulation

## Insurance Regulation

## NAIC

In 2015, the National Association of Insurance Commissioners (“NAIC”) commenced an initiative to study variable annuity solvency regulations, with the goal of curtailing the use of variable annuity captives. In connection with this initiative, the NAIC engaged a third-party consultant to develop recommendations regarding reserve and capital requirements. Following several public exposures of the consultant’s recommendations, the NAIC recently adopted a new variable annuity framework, which is designed to reduce the level and volatility of the non-economic aspect of reserve and risk-based capital (“RBC”) requirements for variable annuity products. The NAIC will now prepare technical language in various NAIC manuals and guidelines that is necessary to implement the new framework. We cannot predict the impact of this framework on our business until such technical requirements of the framework are completed, and we cannot predict whether the New York Department of Financial Services (“NYDFS”) or other state insurance regulators will adopt standards different from the NAIC framework.

## Surplus and Capital; Risk-Based Capital

The NYDFS issued its annual “Special Considerations” letter (“SCL”) to New York licensed insurers on November 2, 2018, including to one of our primary insurance subsidiaries, Metropolitan Life Insurance Company. The SCL includes certain provisions that require us, among other things, to use certain assumptions and perform certain tests as part of year-end asset adequacy testing. While we are currently evaluating the SCL’s potential impact, we do not anticipate the SCL will affect our ratio of free cash flow to adjusted earnings guidance.

For developments that could affect our ratio of free cash flow to adjusted earnings results, see “Risk Factors” included in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q.

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## International Regulation

On October 28, 2018, Chilean President Piñera announced a new pension reform proposal to be submitted to Congress. The proposal would increase employer mandatory contributions and affirms private pension fund administration. We are not able to predict with certainty whether such proposal will be adopted and cannot currently identify all of the risks or opportunities, if any, that may be posed to our business in Chile.

## Other International and Global Regulatory Initiatives

The International Association of Insurance Supervisors (“IAIS”), an association of insurance supervisors and regulators and a member of the Financial Stability Board (“FSB”), an international entity established to coordinate, develop and promote regulatory, supervisory and other financial sector policies in the interest of financial stability, is participating in the FSB’s initiative to identify and manage systemic risk globally. Beginning in 2013, the FSB annually designated certain insurers as globally systemically important insurers (“G-SIIs”) using an assessment methodology developed and implemented by the IAIS. In November 2016, MetLife, Inc. and eight other firms were designated as G-SIIs; in November 2017, the FSB announced it would not publish a new list of G-SIIs pending further consideration in late 2018. The FSB also recommended that the IAIS continue development of an activities-based approach (“ABA”) to assessing and managing potential systemic risk in the insurance sector and in July 2018 the IAIS announced their intention to publicly consult on a holistic systemic risk framework at the end of the year. As described, this would be a three pillar framework that follows many recommendations for appropriate ABA implementation. The fate of the entity-based methodology for G-SII designation with an emphasis on size remains uncertain. In 2018, the IAIS collected data and performed an assessment that excluded phase IV meetings with firms recommended for G-SII designation. We expect outcomes for 2018 to be made public during November 2018.

Current standards remain as drafted for entity-based designation and call for additional requirements for G-SIIs, which include higher loss absorbency (“HLA”) requirements, and more intensive supervision, among other requirements. In February 2017, the IAIS confirmed that the risk-based global insurance capital standard (“ICS”) will replace basic capital requirements as the basis for a revised HLA and that work on revisions is deferred until adoption of the ICS by the IAIS in 2019. HLA implementation is to be delayed until 2022 for the 2020 group of G-SIIs. In November 2017, the IAIS announced an agreement regarding further development and implementation of the ICS, and the impact on timing of further development and implementation of HLA requirements is unclear.

All IAIS proposals would need to be implemented at the consolidated group level by legislation or regulation in each applicable jurisdiction. As MetLife, Inc. is no longer a U.S. non-bank systemically important financial institution and none of its regulators have proposed implementing the G-SII or other capital requirements, the impact on MetLife, Inc. of such global proposals is uncertain.

## Summary of Critical Accounting Estimates

The preparation of financial statements in conformity with GAAP requires management to adopt accounting policies and make estimates and assumptions that affect amounts reported on the Interim Condensed Consolidated Financial Statements. The most critical estimates include those used in determining:

- (i) liabilities for future policy benefits and the accounting for reinsurance;
- (ii) capitalization and amortization of DAC and the establishment and amortization of VOBA;
- (iii) estimated fair values of investments in the absence of quoted market values;
- (iv) investment impairments;
- (v) estimated fair values of freestanding derivatives and the recognition and estimated fair value of embedded derivatives requiring bifurcation;
- (vi) measurement of goodwill and related impairment;
- (vii) measurement of employee benefit plan liabilities;
- (viii) measurement of income taxes and the valuation of deferred tax assets; and
- (ix) liabilities for litigation and regulatory matters.

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In addition, the application of acquisition accounting requires the use of estimation techniques in determining the estimated fair values of assets acquired and liabilities assumed — the most significant of which relate to the aforementioned critical accounting estimates. In applying these policies and estimates, management makes subjective and complex judgments that frequently require assumptions about matters that are inherently uncertain. Many of these policies, estimates and related judgments are common in the insurance and financial services industries; others are specific to our business and operations. Actual results could differ from these estimates.

The above critical accounting estimates are described in “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Summary of Critical Accounting Estimates” and Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

### Goodwill

Goodwill is tested for impairment at least annually or more frequently if events or circumstances, such as adverse changes in the business climate, indicate that there may be justification for conducting an interim test.

For purposes of goodwill impairment testing, if the carrying value of a reporting unit exceeds its estimated fair value, the implied fair value of the reporting unit goodwill is compared to the carrying value of that goodwill to measure the amount of impairment loss, if any. In such instances, the implied fair value of the goodwill is determined in the same manner as the amount of goodwill that would be determined in a business acquisition. The key inputs, judgments and assumptions necessary in determining estimated fair value of the reporting units include projected operating earnings, current book value, the level of economic capital required to support the mix of business, long-term growth rates, comparative market multiples, the account value of in-force business, projections of new and renewed business, as well as margins on such business, the level of interest rates, credit spreads, equity market levels, and the discount rate that we believe is appropriate for the respective reporting unit.

In the third quarter of 2018, the Company tested the MetLife Holdings life reporting unit for impairment using the actuarial based embedded value fair valuation approach. The estimated fair value of the reporting unit exceeded the carrying value by approximately 25% and, therefore, the reporting unit was not impaired. If we had assumed that the discount rate was 100 basis points higher than the discount rate used, the estimated fair value of the MetLife Holdings life reporting unit would have been higher than the carrying value by approximately 5%. The MetLife Holdings life reporting unit consists of operations relating to products and businesses no longer actively marketed by the Company. As of September 30, 2018, the amount of goodwill allocated to the MetLife Holdings life reporting unit was \$887 million.

The Company also performed its annual goodwill impairment tests of all other reporting units during the third quarter of 2018 using a qualitative assessment and/or quantitative assessments under the market multiple and discounted cash flow valuation approaches based on best available data as of June 30, 2018 and concluded that the estimated fair values of all such reporting units were substantially in excess of their carrying values and, therefore, goodwill was not impaired.

We apply significant judgment when determining the estimated fair value of our reporting units and when assessing the relationship of market capitalization to the aggregate estimated fair value of our reporting units. The valuation methodologies utilized are subject to key judgments and assumptions that are sensitive to change. Estimates of fair value are inherently uncertain and represent only management’s reasonable expectation regarding future developments. These estimates and the judgments and assumptions upon which the estimates are based will, in all likelihood, differ in some respects from actual future results. Declines in the estimated fair value of our reporting units could result in goodwill impairments in future periods which could materially adversely affect our results of operations or financial position.

### Economic Capital

Economic capital is an internally developed risk capital model, the purpose of which is to measure the risk in the business and to provide a basis upon which capital is deployed. The economic capital model accounts for the unique and specific nature of the risks inherent in our business.

Our economic capital model, coupled with considerations of local capital requirements, aligns segment allocated equity with emerging standards and consistent risk principles. The model applies statistics-based risk evaluation principles to the material risks to which the Company is exposed. These consistent risk principles include calibrating

required economic capital shock factors to a specific confidence level and time horizon while applying an industry standard method for the inclusion of diversification benefits among risk types. Economic capital-based risk estimation is an evolving science and industry best practices have emerged and continue to evolve. Areas of evolving industry best practices include stochastic liability valuation techniques, alternative methodologies for the calculation of diversification benefits, and the quantification of appropriate shock levels. MetLife's management is responsible for the ongoing production and enhancement of the economic capital model and reviews its approach periodically to ensure that it remains consistent with emerging industry practice standards.

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Segment net investment income is credited or charged based on the level of allocated equity; however, changes in allocated equity do not impact our consolidated net investment income, income (loss) from continuing operations, net of income tax, or adjusted earnings.

Net investment income is based upon the actual results of each segment's specifically identifiable investment portfolios adjusted for allocated equity. Other costs are allocated to each of the segments based upon: (i) a review of the nature of such costs; (ii) time studies analyzing the amount of employee compensation costs incurred by each segment; and (iii) cost estimates included in the Company's product pricing.

Acquisitions and Dispositions

Separation of Brighthouse

For information regarding the Company's 2018 sale of the FVO Brighthouse Common Stock, see Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements.

In connection with the Separation and in the normal course of business, MetLife and Brighthouse entered into a number of transactions that are still ongoing. See Note 3 of the Notes to the Interim Condensed Consolidated Financial Statements. These ongoing agreements also include:

Investment Management

The Company entered into investment management services agreements with Brighthouse. Each agreement has an initial term of 18 months after the date of Separation, after which period either party to the agreement is permitted to terminate upon notice to the other party. During the three months and nine months ended September 30, 2018, the Company recognized \$30 million and \$91 million, respectively, in other revenues for services provided under such investment management services agreements. After the Separation, during both the three months and nine months ended September 30, 2017, the Company recognized \$18 million in other revenues for services provided under the agreements.

Committed Facility

MetLife Reinsurance Company of Vermont and MetLife, Inc. have a \$2.9 billion committed facility which is used as collateral for certain reinsurance liabilities. At September 30, 2018, Brighthouse was a beneficiary of \$2.4 billion of letters of credit issued under this facility and, in consideration, Brighthouse reimburses MetLife, Inc. for a portion of the letter of credit fees.

Disposition of MetLife Afore, S.A. de C.V.

See Note 3 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding the Company's 2018 disposition of MetLife Afore, S.A. de C.V., its pension fund management business in Mexico.

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## Results of Operations

## Consolidated Results

Business Overview. Overall sales for the three months ended September 30, 2018 decreased compared to the prior period despite increases in many of our businesses. An overall decrease in sales from our U.S. segment was driven by lower sales of stable value products and pension risk transfers, as well as a decrease in funding agreement issuances in our RIS business, partially offset by increases in sales from our Group Benefits and Property & Casualty businesses. In Asia, sales improved due to growth in foreign currency-denominated annuity products, as well as accident & health products in Japan, a large group case sale in Australia and higher sales from emerging markets, mainly in China. Total sales for Latin America increased as a result of higher sales of individual accident & health products in Chile and group accident & health products in Mexico, partially offset by lower sales of retirement products in Mexico and Brazil. The closing of the wealth management product to new business in the U.K. in the third quarter of 2017, as well as declines in sales of employee benefits and life insurance products in the Gulf region resulted in lower sales for EMEA. Revenues in our MetLife Holdings segment decreased as a result of the discontinuance of the marketing of life and annuity products in early 2017.

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018	
	2017	2018	2017	2018
	(In millions)			
Revenues				
Premiums	\$10,242	\$10,876	\$34,573	\$29,421
Universal life and investment-type product policy fees	1,343	1,428	4,105	4,152
Net investment income	4,486	4,295	12,704	12,909
Other revenues	479	301	1,428	935
Net investment gains (losses)	117	(606)	(443)	(414)
Net derivative gains (losses)	(378)	(123)	(88)	(535)
Total revenues	16,289	16,171	52,279	46,468
Expenses				
Policyholder benefits and claims and policyholder dividends	10,407	11,030	34,597	29,943
Interest credited to policyholder account balances	1,334	1,338	3,527	4,081
Capitalization of DAC	(810)	(761)	(2,440)	(2,218)
Amortization of DAC and VOBA	732	626	2,132	1,945
Amortization of negative VOBA	(7)	(32)	(45)	(113)
Interest expense on debt	267	284	862	851
Other expenses	3,287	3,201	9,810	9,404
Total expenses	15,210	15,686	48,443	43,893
Income (loss) from continuing operations before provision for income tax	1,079	485	3,836	2,575
Provision for income tax expense (benefit)	164	(398)	770	(116)
Income (loss) from continuing operations, net of income tax	915	883	3,066	2,691
Income (loss) from discontinued operations, net of income tax	—	(968)	—	(986)
Net income (loss)	915	(85)	3,066	1,705
Less: Net income (loss) attributable to noncontrolling interests	3	6	10	12
Net income (loss) attributable to MetLife, Inc.	912	(91)	3,056	1,693
Less: Preferred stock dividends	32	6	84	58
Net income (loss) available to MetLife, Inc.'s common shareholders	\$880	\$(97)	\$2,972	\$1,635

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Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

During the three months ended September 30, 2018, net income (loss) increased \$1.0 billion from the prior period, primarily driven by favorable changes in income (loss) from discontinued operations, net investment gains (losses), results from our divested businesses and adjusted earnings, partially offset by a prior period tax-related benefit related to the Separation and an unfavorable change in net derivative gains (losses).

**Management of Investment Portfolio and Hedging Market Risks with Derivatives.** We manage our investment portfolio using disciplined asset/liability management (“ALM”) principles, focusing on cash flow and duration to support our current and future liabilities. Our intent is to match the timing and amount of liability cash outflows with invested assets that have cash inflows of comparable timing and amount, while optimizing risk-adjusted net investment income and risk-adjusted total return. Our investment portfolio is heavily weighted toward fixed income investments, with over 80% of our portfolio invested in fixed maturity securities available-for-sale (“AFS”) and mortgage loans. These securities and loans have varying maturities and other characteristics which cause them to be generally well suited for matching the cash flow and duration of insurance liabilities. In addition, our general account investment portfolio includes, within contractholder-directed equity securities and fair value option securities (collectively, “Unit-linked and FVO Securities”), contractholder-directed equity securities supporting unit-linked variable annuity type liabilities (“Unit-linked investments”), which do not qualify as separate account assets. The returns on these Unit-linked investments, which can vary significantly from period to period, include changes in estimated fair value subsequent to purchase, inure to contractholders and are offset in earnings by a corresponding change in policyholder account balances through interest credited to policyholder account balances.

We purchase investments to support our insurance liabilities and not to generate net investment gains and losses. However, net investment gains and losses are incurred and can change significantly from period to period due to changes in external influences, including changes in market factors such as interest rates, foreign currency exchange rates, credit spreads and equity markets; counterparty specific factors such as financial performance, credit rating and collateral valuation; and internal factors such as portfolio rebalancing. Changes in these factors from period to period can significantly impact the levels of both impairments and realized gains and losses on investments sold.

We also use derivatives as an integral part of our management of the investment portfolio and insurance liabilities to hedge certain risks, including changes in interest rates, foreign currency exchange rates, credit spreads and equity market levels. We use freestanding interest rate, equity, credit and currency derivatives to hedge certain invested assets and insurance liabilities. A small portion of these hedges are designated and qualify as accounting hedges, which reduce volatility in earnings. For those hedges not designated as accounting hedges, changes in market factors lead to the recognition of fair value changes in net derivative gains (losses) generally without an offsetting gain or loss recognized in earnings for the item being hedged, which creates volatility in earnings. During 2017, we restructured certain derivative hedges to decrease volatility from nonqualified interest rate derivatives and to help meet prospective dividend and free cash flow objectives under varying interest rate scenarios. As part of this restructuring, we replaced certain nonqualified derivatives with derivatives that qualify for hedge accounting treatment. In addition, we also entered into replication transactions using interest rate swaps, which are accounted for at amortized cost under statutory guidelines and are nonqualified derivatives under GAAP. We actively evaluate market risk hedging needs and strategies to ensure our free cash flow and capital objectives are met under a range of market conditions.

Certain variable annuity products with guaranteed minimum benefits contain embedded derivatives that are measured at estimated fair value separately from the host variable annuity contract, with changes in estimated fair value recorded in net derivative gains (losses). We use freestanding derivatives to hedge the market risks inherent in these variable annuity guarantees. Ongoing refinement of the strategy may be required to adapt to changing NAIC rules, which may become effective as early as January 1, 2019. The restructured hedge strategy is classified as a macro hedge program, included in the non-VA program derivatives section of the table below, to protect our overall statutory capital from significant adverse economic conditions. The valuation of these embedded derivatives includes a nonperformance risk adjustment, which is unhedged, and can be a significant driver of net derivative gains (losses) and volatility in earnings, but does not have an economic impact on us.





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Net Derivative Gains (Losses). The variable annuity embedded derivatives and associated freestanding derivative hedges are collectively referred to as “VA program derivatives.” All other derivatives that are economic hedges of certain invested assets and insurance liabilities are referred to as “non-VA program derivatives.” The table below presents the impact on net derivative gains (losses) from non-VA program derivatives and VA program derivatives:

	Three Months Ended September 30, 2018 2017 (In millions)	
Non-VA program derivatives		
Interest rate	\$(270)	\$(38 )
Foreign currency exchange rate	(44 )	(125 )
Credit	81	52
Equity	(74 )	10
Non-VA embedded derivatives	(20 )	(3 )
Total non-VA program derivatives	(327 )	(104 )
VA program derivatives		
Market risks in embedded derivatives	368	322
Nonperformance risk adjustment on embedded derivatives	(20 )	(21 )
Other risks in embedded derivatives	(161 )	3
Total embedded derivatives	187	304
Freestanding derivatives hedging embedded derivatives	(238 )	(323 )
Total VA program derivatives	(51 )	(19 )
Net derivative gains (losses)	\$(378)	\$(123)

The unfavorable change in net derivative gains (losses) on non-VA program derivatives was \$223 million (\$176 million, net of income tax). This was primarily due to long-term interest rates increasing more in the current period versus the prior period, unfavorably impacting received fixed interest rate swaps and interest rate total return swaps. In addition, equity markets increased more in the current period than in the prior period, negatively impacting equity options. These decreases were partially offset by the U.S. dollar strengthening relative to other key currencies in the current period versus weakening in the prior period, favorably impacting foreign currency swaps that primarily hedge foreign currency-denominated bonds. Because certain of these hedging strategies are not designated or do not qualify as accounting hedges, the changes in the estimated fair value of these freestanding derivatives are recognized in net derivative gains (losses) without an offsetting gain or loss recognized in earnings for the item being hedged. The unfavorable change in net derivative gains (losses) on VA program derivatives was \$32 million (\$25 million, net of income tax). This was due to an unfavorable change of \$164 million (\$130 million, net of income tax) in other risks in embedded derivatives, partially offset by a favorable change of \$131 million (\$103 million, net of income tax) in market risks in embedded derivatives net of the impact of freestanding derivatives hedging those risks. Other risks relate primarily to the impact of policyholder behavior and other non-market risks that generally cannot be hedged. The aforementioned \$164 million (\$130 million, net of income tax) unfavorable change in other risks in embedded derivatives reflects:

- Actuarial assumption updates associated with variable annuity guarantees assumed from our former operating joint venture in Japan, and

- A combination of other factors, which include fees being deducted from accounts, changes in the benefit base, premiums, lapses, withdrawals and deaths.

The aforementioned \$131 million (\$103 million, net of income tax) favorable change reflects an \$85 million (\$67 million, net of income tax) favorable change in freestanding derivatives hedging market risks in embedded derivatives and a \$46 million (\$36 million, net of income tax) favorable change in market risks in embedded derivatives.



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The primary changes in market factors are summarized as follows:

Key equity index levels increased in the current period, contributing to current period losses on our freestanding derivatives and current period gains on our embedded derivatives. The current period impact was less pronounced than the prior period, despite equity markets increasing more in the current period than in the prior period. This is due to the freestanding and embedded options becoming less sensitive to changes in equity index levels as these positions become further out of the money. For example, the S&P Global Ratings (“S&P”) 500 Index increased 7% in the current period and increased 4% in the prior period.

Long-term U.S. interest rates increased in the current period and decreased in the prior period, contributing to a favorable change in our embedded derivatives. Our freestanding interest rate derivatives were favorably impacted by the restructuring of the VA hedging strategy. For example, the 30-year U.S. swap rate increased 20 basis points in the current period and decreased 1 basis point in the prior period.

Net Investment Gains (Losses). The favorable change in net investment gains (losses) of \$723 million (\$571 million, net of income tax) primarily reflects a prior period mark-to-market loss on our retained investment in Brighthouse Financial, Inc. recognized in connection with the Separation, partially offset by lower gains on sales of fixed maturity securities AFS and lower gains on sales of real estate joint ventures in the current period.

Actuarial Assumption Review and Certain Other Insurance Adjustments. Results for the current period include a \$358 million (\$272 million, net of income tax) charge associated with our annual review of actuarial assumptions related to reserves and DAC, of which a \$131 million loss (\$94 million, net of income tax) was recognized in net derivative gains (losses).

Of the \$358 million charge, \$20 million (\$20 million, net of income tax) was related to DAC and \$338 million (\$252 million, net of income tax) was associated with reserves. The portion of the \$358 million charge that is included in adjusted earnings is \$53 million (\$42 million, net of income tax).

The \$131 million loss recognized in net derivative gains (losses) associated with our annual review of actuarial assumptions was included within the other risks in embedded derivatives caption in the table above.

As a result of our annual review of actuarial assumptions, changes were made to economic, biometric, policyholder behavior, and operational assumptions. The most significant impacts were in the Asia and MetLife Holdings segments related to Japan variable annuities and the projection of closed block results, respectively, and are summarized as follows:

- Economic assumption updates resulted in net favorable changes of reserves and DAC of \$38 million (\$29 million, net of income tax).

- Changes to biometric assumptions resulted in net favorable changes of reserves and DAC of \$55 million (\$44 million, net of income tax).

- Changes in policyholder behavior assumptions resulted in a net charge of \$321 million (\$241 million, net of income tax).

- Changes in operational assumptions, most notably related to closed block projections, resulted in a net charge of \$130 million (\$104 million, net of income tax).

Results for the prior period include a \$72 million (\$48 million, net of prior period income tax) gain associated with our annual review of actuarial assumptions related to reserves and DAC, of which a \$21 million (\$14 million, net of prior period income tax) gain was recognized in net derivative gains (losses). Of the \$72 million gain, a \$131 million (\$87 million, net of prior period income tax) gain was associated with DAC, and a loss of \$59 million (\$39 million, net of prior period income tax) was related to reserves. The portion of the \$72 million gain that is included in adjusted earnings is \$135 million (\$89 million, net of prior period income tax).

Certain other insurance adjustments recorded in the current period include a \$79 million (\$63 million, net of income tax) charge due to a current period increase in our IBNR life reserves, reflecting enhancements to our processes related to potential claims in our MetLife Holdings segment, and a favorable net insurance adjustment of \$47 million (\$37 million, net of income tax) resulting from reserve and DAC modeling improvements in our individual disability insurance business in our U.S. segment. These adjustments are included in adjusted earnings.

Divested Businesses. Income (loss) before provision for income tax related to the divested businesses, excluding net investment gains (losses) and net derivative gains (losses), increased \$297 million (\$272 million, net of income tax) to

a loss of \$23 million (\$18 million, net of income tax) in the current period from a loss of \$320 million (\$290 million, net of income tax) in the prior period. Included in this increase was an increase in total revenues of \$55 million, before income tax, and a decrease in total expenses of \$242 million, before income tax. Divested businesses primarily include activity related to the Separation.

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Discontinued Operations. Income (loss) from discontinued operations, net of income tax, increased \$968 million for the three months ended September 30, 2018 from a loss of \$968 million, net of income tax, for the comparable prior period. Income (loss) from discontinued operations reflects the results of our former Brighthouse Financial segment. For further information, see Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements. Taxes. Income tax expense for the three months ended September 30, 2018 was \$164 million, or 15% of income (loss) from continuing operations before provision for income tax, compared with an income tax benefit of \$398 million, or 82% of income (loss) from continuing operations before provision for income tax, for the three months ended September 30, 2017. The Company's effective tax rates differ from the U.S. statutory rate of 21% typically due to non-taxable investment income, tax credits for investments in low income housing, and foreign earnings taxed at different rates than the U.S. statutory rate. Our prior period results include tax-related benefits of \$554 million related to the Separation and \$4 million from the finalization of certain tax audits, partially offset by a net tax charge of \$180 million. This charge was the result of the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations. The changes from U.S. Tax Reform resulted in a net increase in earnings of \$47 million for the third quarter of 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

Adjusted Earnings. As more fully described in “— Non-GAAP and Other Financial Disclosures,” we use adjusted earnings, which does not equate to income (loss) from continuing operations, net of income tax, as determined in accordance with GAAP, to analyze our performance, evaluate segment performance and allocate resources. We believe that the presentation of adjusted earnings and adjusted earnings available to common shareholders, as we measure it for management purposes, enhances the understanding of our performance by highlighting the results of operations and the underlying profitability drivers of the business. Adjusted earnings and other financial measures based on adjusted earnings allow analysis of our performance relative to our business plan and facilitate comparisons to industry results. Adjusted earnings and adjusted earnings available to common shareholders should not be viewed as substitutes for net income (loss) and net income (loss) available to MetLife, Inc.'s common shareholders, respectively. Adjusted earnings available to common shareholders increased \$261 million, net of income tax, to \$1.4 billion, net of income tax, for the three months ended September 30, 2018 from \$1.1 billion, net of income tax, for the three months ended September 30, 2017.

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Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

During the nine months ended September 30, 2018, net income (loss) increased \$1.4 billion from the prior period, primarily driven by favorable changes in income (loss) from discontinued operations, adjusted earnings, net derivative gains (losses) and results from our divested businesses, partially offset by a prior period tax-related benefit related to the Separation.

Net Derivative Gains (Losses). The table below presents the impact on net derivative gains (losses) from non-VA program derivatives and VA program derivatives:

	Nine Months Ended September 30, 2018 2017 (In millions)	
Non-VA program derivatives		
Interest rate	\$(369)	\$(20 )
Foreign currency exchange rate	245	(273 )
Credit	48	152
Equity	(75 )	(1 )
Non-VA embedded derivatives	4	(100 )
Total non-VA program derivatives	(147 )	(242 )
VA program derivatives		
Market risks in embedded derivatives	620	880
Nonperformance risk adjustment on embedded derivatives	(25 )	(162 )
Other risks in embedded derivatives	(244 )	(69 )
Total embedded derivatives	351	649
Freestanding derivatives hedging embedded derivatives	(292 )	(942 )
Total VA program derivatives	59	(293 )
Net derivative gains (losses)	\$(88 )	\$(535)

The favorable change in net derivative gains (losses) on non-VA program derivatives was \$95 million (\$75 million, net of income tax). This was primarily due to the U.S. dollar strengthening relative to other key currencies in the current period versus weakening in the prior period, favorably impacting foreign currency swaps that primarily hedge foreign currency-denominated bonds. There was also a change in the value of the underlying assets favorably impacting non-VA embedded derivatives related to funds withheld on a certain reinsurance agreement. These increases were partially offset by: (i) long-term interest rates increasing in the current period versus decreasing in the prior period, unfavorably impacting receive fixed interest rate swaps and interest rate total return swaps; (ii) credit spreads narrowing less in the current period than in the prior period, unfavorably impacting written credit default swaps used in replications; and (iii) equity markets increasing in the current period unfavorably impacting new equity options acquired as part of the Company's macro hedge program. Because certain of these hedging strategies are not designated or do not qualify as accounting hedges, the changes in the estimated fair value of these freestanding derivatives are recognized in net derivative gains (losses) without an offsetting gain or loss recognized in earnings for the item being hedged.

The favorable change in net derivative gains (losses) on VA program derivatives was \$352 million (\$278 million, net of income tax). This was due to a favorable change of \$390 million (\$308 million, net of income tax) in market risks in embedded derivatives, net of the impact of freestanding derivatives hedging those risks, and a favorable change of \$137 million (\$108 million, net of income tax) in the nonperformance risk adjustment on embedded derivatives, partially offset by an unfavorable change of \$175 million, (\$138 million, net of income tax) in other risks in embedded derivatives. Other risks relate primarily to the impact of policyholder behavior and other non-market risks that generally cannot be hedged.

The aforementioned \$390 million (\$308 million, net of income tax) favorable change reflects a \$650 million (\$513 million, net of income tax) favorable change in freestanding derivatives hedging market risks in embedded derivatives

partially offset by a \$260 million (\$205 million, net of income tax) unfavorable change in market risks in embedded derivatives.

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The primary changes in market factors are summarized as follows:

Key equity index levels increased less in the current period versus the prior period, contributing to a favorable change in our freestanding derivatives and an unfavorable change in our embedded derivatives. For example, the S&P 500 Index increased 9% in the current period and increased 13% in the prior period.

Long-term U.S. interest rates increased in the current period and decreased in the prior period, contributing to a favorable change in our embedded derivatives and an unfavorable change in our freestanding derivatives. For example, the 10-year U.S. swap rate increased 72 basis points in the current period and decreased 5 basis points in the prior period.

Changes in foreign currency exchange rates contributed to a favorable change in our freestanding derivatives and an unfavorable change in our embedded derivatives related to the assumed variable annuity guarantees from our former operating joint venture in Japan. For example, the Japanese yen strengthened against the euro by 2% in the current period and weakened by 8% in the prior period.

The aforementioned \$175 million (\$138 million, net of income tax) unfavorable change in other risks in embedded derivatives reflects:

- Actuarial assumption updates associated with variable annuity guarantees assumed from our former operating joint venture in Japan,

- Updates to actuarial policyholder behavior assumptions within the valuation model, and

- A combination of other factors, which include fees being deducted from accounts, changes in the benefit base, premiums, lapses, withdrawals and deaths.

The aforementioned \$137 million (\$108 million, net of income tax) favorable change in the nonperformance risk adjustment on embedded derivatives resulted from a favorable change of \$112 million, before income tax, related to changes in our own credit spread, in addition to a favorable change of \$25 million, before income tax, as a result of model changes and changes in capital market inputs, such as long-term interest rates and key equity index levels, on variable annuity guarantees.

When equity index levels decrease in isolation, the variable annuity guarantees become more valuable to policyholders, which results in an increase in the undiscounted embedded derivative liability. Discounting this unfavorable change by the risk adjusted rate yields a smaller loss than by discounting at the risk-free rate, thus creating a gain from including an adjustment for nonperformance risk.

When the risk-free interest rate decreases in isolation, discounting the embedded derivative liability produces a higher valuation of the liability than if the risk-free interest rate had remained constant. Discounting this unfavorable change by the risk adjusted rate yields a smaller loss than by discounting at the risk-free interest rate, thus creating a gain from including an adjustment for nonperformance risk.

When our own credit spread increases in isolation, discounting the embedded derivative liability produces a lower valuation of the liability than if our own credit spread had remained constant. As a result, a gain is created from including an adjustment for nonperformance risk. For each of these primary market drivers, the opposite effect occurs when they move in the opposite direction.

**Net Investment Gains (Losses).** The unfavorable change in net investment gains (losses) of \$29 million (\$23 million, net of income tax) primarily reflects losses on sales of fixed maturity securities AFS in the current period compared to gains in the prior period and lower gains on sales of real estate joint ventures, partially offset by lower mark-to-market losses on our retained investment in Brighthouse. In the current period, we incurred a loss representing both the change in estimated fair value of FVO Brighthouse Common Stock we held through date of disposal and the loss upon disposal in June 2018. In the prior period, we recognized a mark-to-market loss on our retained investment in Brighthouse Financial, Inc. in connection with the Separation.

**Actuarial Assumption Review and Certain Other Insurance Adjustments.** For the results of our 2018 and 2017 annual assumption reviews and information regarding certain other insurance adjustments, see “— Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017 — Actuarial Assumption Review and Certain Other Insurance Adjustments.”

**Divested Businesses.** Income (loss) before provision for income tax related to the divested businesses, excluding net investment gains (losses) and net derivative gains (losses), increased \$706 million (\$429 million, net of income tax) to



a loss of \$108 million (\$85 million, net of income tax) in the current period from a loss of \$814 million (\$514 million, net of income tax) in the prior period. Included in this increase was an increase in total revenues of \$570 million, before income tax, and a decrease in total expenses of \$136 million, before income tax. Divested businesses primarily include activity related to the Separation.

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Discontinued Operations. Income (loss) from discontinued operations, net of income tax, increased \$986 million for the nine months ended September 30, 2018 from a loss of \$986 million, net of income tax, for the comparable prior period. Income (loss) from discontinued operations reflects the results of our former Brighthouse Financial segment. For further information, see Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements.

Taxes. Income tax expense for the nine months ended September 30, 2018 was \$770 million, or 20% of income (loss) from continuing operations before provision for income tax, compared with an income tax benefit of \$116 million, or 5% of income (loss) from continuing operations before provision for income tax, for the nine months ended September 30, 2017. The Company's effective tax rates differ from the U.S. statutory rate of 21% typically due to non-taxable investment income, tax credits for investments in low income housing, and foreign earnings taxed at different rates than the U.S. statutory rate. Our current period results include tax charges of \$69 million related to the non-deductible loss incurred on the mark-to-market and disposition of FVO Brighthouse Common Stock, \$17 million related to a tax adjustment in Chile and \$5 million in Colombia to establish a deferred tax liability due to a change in tax status, partially offset by tax benefits of \$36 million related to a non-cash transfer of assets from a wholly-owned U.K. investment subsidiary to its U.S. parent and \$7 million related to the settlement of an audit. Our prior period results include tax-related benefits of \$554 million related to the Separation and \$27 million from the finalization of certain tax audits, partially offset by a net tax charge of \$180 million. This charge was the result of the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations. Our prior period results also included a tax benefit of \$9 million related to the settlement of an audit in Argentina. The changes from U.S. Tax Reform resulted in a net increase in earnings of \$21 million for the nine months ended September 30, 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

Adjusted Earnings. Adjusted earnings available to common shareholders increased \$568 million, net of income tax, to \$4.1 billion, net of income tax, for the nine months ended September 30, 2018 from \$3.6 billion, net of income tax, for the nine months ended September 30, 2017.

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Reconciliation of income (loss) from continuing operations, net of income tax, to adjusted earnings available to common shareholders

Three Months Ended September 30, 2018

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Net income (loss)	\$782	\$(27)	\$198	\$57	\$62	\$(157)	\$915
Less: Income (loss) from discontinued operations, net of income tax	—	—	—	—	—	—	—
Income (loss) from continuing operations, net of income tax	\$782	\$(27)	\$198	\$57	\$62	\$(157)	\$915
Less: Net investment gains (losses)	58	(72)	5	3	58	65	117
Less: Net derivative gains (losses)	(17)	(339)	35	39	(164)	68	(378)
Less: Other adjustments to continuing operations (1)	(56)	(8)	(7)	(34)	(230)	(25)	(360)
Less: Provision for income tax (expense) benefit	2	126	(5)	(6)	71	(60)	128
Adjusted earnings	\$795	\$266	\$170	\$55	\$327	(205)	1,408
Less: Preferred stock dividends						32	32
Adjusted earnings available to common shareholders						\$(237)	\$1,376

Three Months Ended September 30, 2017

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Net income (loss)	\$565	\$243	\$224	\$62	\$227	\$(1,406)	\$(85)
Less: Income (loss) from discontinued operations, net of income tax	—	—	—	—	—	(968)	(968)
Income (loss) from continuing operations, net of income tax	\$565	\$243	\$224	\$62	\$227	\$(438)	\$883
Less: Net investment gains (losses)	96	(37)	20	(12)	23	(696)	(606)
Less: Net derivative gains (losses)	(14)	(58)	46	3	(98)	(2)	(123)
Less: Other adjustments to continuing operations (1)	(43)	(12)	25	—	(136)	(328)	(494)
Less: Provision for income tax (expense) benefit	(13)	36	(30)	—	74	918	985
Adjusted earnings	\$539	\$314	\$163	\$71	\$364	(330)	1,121
Less: Preferred stock dividends						6	6
Adjusted earnings available to common shareholders						\$(336)	\$1,115

See definitions and components of adjusted revenues and adjusted expenses under “— Non-GAAP and Other (1) Financial Disclosures.” Further, see Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for additional details on these adjustments by financial statement line item.

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## Nine Months Ended September 30, 2018

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Net income (loss)	\$2,054	\$772	\$438	\$216	\$611	\$(1,025)	\$3,066
Less: Income (loss) from discontinued operations, net of income tax	—	—	—	—	—	—	—
Income (loss) from continuing operations, net of income tax	\$2,054	\$772	\$438	\$216	\$611	\$(1,025)	\$3,066
Less: Net investment gains (losses)	15	11	9	1	(114)	(365)	(443)
Less: Net derivative gains (losses)	80	(257)	68	38	(113)	96	(88)
Less: Other adjustments to continuing operations (1)	(176)	(21)	(83)	(42)	(306)	(111)	(739)
Less: Provision for income tax (expense) benefit	16	83	(11)	(3)	112	(70)	127
Adjusted earnings	\$2,119	\$956	\$455	\$222	\$1,032	(575)	4,209
Less: Preferred stock dividends						84	84
Adjusted earnings available to common shareholders						\$(659)	\$4,125

## Nine Months Ended September 30, 2017

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Net income (loss)	\$1,452	\$927	\$552	\$210	\$650	\$(2,086)	\$1,705
Less: Income (loss) from discontinued operations, net of income tax	—	—	—	—	—	(986)	(986)
Income (loss) from continuing operations, net of income tax	\$1,452	\$927	\$552	\$210	\$650	\$(1,100)	\$2,691
Less: Net investment gains (losses)	78	61	34	(8)	47	(626)	(414)
Less: Net derivative gains (losses)	(34)	(9)	173	21	(321)	(365)	(535)
Less: Other adjustments to continuing operations (1)	(161)	(28)	(65)	(7)	(248)	(817)	(1,326)
Less: Provision for income tax (expense) benefit	40	(16)	(50)	(14)	184	1,207	1,351
Adjusted earnings	\$1,529	\$919	\$460	\$218	\$988	(499)	3,615
Less: Preferred stock dividends						58	58
Adjusted earnings available to common shareholders						\$(557)	\$3,557

See definitions and components of adjusted revenues and adjusted expenses under “— Non-GAAP and Other (1) Financial Disclosures.” Further, see Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for additional details on these adjustments by financial statement line item.

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## Reconciliation of revenues to adjusted revenues and expenses to adjusted expenses

Three Months Ended September 30, 2018

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total
	(In millions)						
Total revenues	\$8,654	\$2,623	\$1,304	\$823	\$2,560	\$325	\$16,289
Less: Net investment gains (losses)	58	(72)	5	3	58	65	117
Less: Net derivative gains (losses)	(17)	(339)	35	39	(164)	68	(378)
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	10	—	1	—	—	11
Less: Other adjustments to revenues (1)	(63)	65	(3)	73	(14)	81	139
Total adjusted revenues	\$8,676	\$2,959	\$1,267	\$707	\$2,680	\$111	\$16,400
Total expenses	\$7,665	\$2,645	\$1,036	\$745	\$2,491	\$628	\$15,210
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	17	—	1	71	—	89
Less: Other adjustments to expenses (1)	(7)	66	4	107	145	106	421
Total adjusted expenses	\$7,672	\$2,562	\$1,032	\$637	\$2,275	\$522	\$14,700

Three Months Ended September 30, 2017

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate & Other	Total
	(In millions)						
Total revenues	\$9,072	\$2,920	\$1,331	\$819	\$2,676	\$(647)	\$16,171
Less: Net investment gains (losses)	96	(37)	20	(12)	23	(696)	(606)
Less: Net derivative gains (losses)	(14)	(58)	46	3	(98)	(2)	(123)
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	3	—	1	—	—	4
Less: Other adjustments to revenues (1)	(43)	85	29	116	(14)	(53)	120
Total adjusted revenues	\$9,033	\$2,927	\$1,236	\$711	\$2,765	\$104	\$16,776
Total expenses	\$8,219	\$2,557	\$1,026	\$736	\$2,349	\$799	\$15,686
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	1	—	1	(6)	2	(2)
Less: Other adjustments to expenses (1)	—	99	4	116	128	273	620
Total adjusted expenses	\$8,219	\$2,457	\$1,022	\$619	\$2,227	\$524	\$15,068

See definitions and components of adjusted revenues and adjusted expenses under “— Non-GAAP and Other (1) Financial Disclosures.” Further, see Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for additional details on these adjustments by financial statement line item.

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## Nine Months Ended September 30, 2018

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Total revenues	\$29,407	\$8,568	\$3,889	\$2,308	\$7,744	\$363	\$52,279
Less: Net investment gains (losses)	15	11	9	1	(114)	(365)	(443)
Less: Net derivative gains (losses)	80	(257)	68	38	(113)	96	(88)
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	3	—	(1)	(1)	—	1
Less: Other adjustments to revenues (1)	(191)	(5)	(19)	63	(46)	243	45
Total adjusted revenues	\$29,503	\$8,816	\$3,831	\$2,207	\$8,018	\$389	\$52,764
Total expenses	\$26,815	\$7,442	\$3,245	\$2,027	\$6,997	\$1,917	\$48,443
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	9	—	(1)	57	—	65
Less: Other adjustments to expenses (1)	(15)	10	64	105	202	354	720
Total adjusted expenses	\$26,830	\$7,423	\$3,181	\$1,923	\$6,738	\$1,563	\$47,658

## Nine Months Ended September 30, 2017

	U.S.	Asia	Latin America	EMEA	MetLife Holdings	Corporate& Other	Total
	(In millions)						
Total revenues	\$24,085	\$8,767	\$3,939	\$2,689	\$8,184	\$(1,196)	\$46,468
Less: Net investment gains (losses)	78	61	34	(8)	47	(626)	(414)
Less: Net derivative gains (losses)	(34)	(9)	173	21	(321)	(365)	(535)
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	14	—	—	—	—	14
Less: Other adjustments to revenues (1)	(160)	214	60	574	(70)	(556)	62
Total adjusted revenues	\$24,201	\$8,487	\$3,672	\$2,102	\$8,528	\$351	\$47,341
Total expenses	\$21,902	\$7,365	\$3,214	\$2,418	\$7,253	\$1,741	\$43,893
Less: Adjustments related to net investment gains (losses) and net derivative gains (losses)	—	12	—	—	(46)	2	(32)
Less: Other adjustments to expenses (1)	1	244	125	581	224	259	1,434
Total adjusted expenses	\$21,901	\$7,109	\$3,089	\$1,837	\$7,075	\$1,480	\$42,491

See definitions and components of adjusted revenues and adjusted expenses under “— Non-GAAP and Other (1) Financial Disclosures.” Further, see Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for additional details on these adjustments by financial statement line item.

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## Consolidated Results —Adjusted Earnings

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

**Overview.** The primary drivers of the increase in adjusted earnings were higher net investment income due to a larger asset base and higher investment yields, a prior period tax charge, the favorable impact of U.S. Tax Reform and favorable underwriting, partially offset by higher interest credited expenses and the unfavorable impact of our annual actuarial assumption review.

**Foreign Currency.** Changes in foreign currency exchange rates had a \$22 million negative impact on adjusted earnings for the third quarter of 2018 compared to the prior period. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

**U.S. Tax Reform.** The changes from U.S. Tax Reform resulted in a net increase in adjusted earnings of \$70 million for the third quarter of 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

**Business Growth.** We benefited from positive net flows from many of our businesses, which increased our invested asset base. Growth in the investment portfolios of our U.S., Asia, and Latin America segments resulted in higher net investment income. However, this was partially offset by a corresponding increase in interest credited expense on certain insurance-related liabilities. In our U.S. segment, an increase in average premium per policy in our auto business, partially offset by a decrease in exposures, improved adjusted earnings. Higher asset-based fees, primarily from our Asia and EMEA segments, was partially offset by lower fees in our MetLife Holdings segment. Business growth also drove an increase in commissions and other variable expenses, which were offset by higher DAC capitalization. The combined impact of the items affecting our business growth resulted in a \$32 million increase in adjusted earnings.

**Market Factors.** Market factors, including interest rate levels, variability in equity market returns, and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Excluding the impact of changes in foreign currency exchange rates on net investment income in our non-U.S. segments and changes in inflation rates on our inflation-indexed investments, investment yields increased. Investment yields were positively impacted by higher yields on fixed income securities, derivative income and prepayment fees. These increases were partially offset by lower returns on private equities, driven by a decrease in certain partnership distributions. The increase in investment yields was partially offset by the impact of higher average interest credited rates, as well as an increase in the crediting rate on certain long-duration insurance contracts, which drove an increase in interest credited expenses, primarily in our U.S. segment. The changes in market factors discussed above resulted in a \$109 million increase in adjusted earnings.

**Underwriting, Actuarial Assumption Review and Other Insurance Adjustments.** Favorable underwriting resulted in a \$47 million increase in adjusted earnings, primarily as a result of lower catastrophe losses, as well as favorable morbidity in our U.S. and MetLife Holdings segments. This was partially offset by unfavorable claims experience in our EMEA and Asia segments, as well as higher non-catastrophe claim costs. Unfavorable mortality in our MetLife Holdings segment was mostly offset by favorable mortality in our U.S. and Latin America segments. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$149 million in adjusted earnings, primarily due to less favorable assumption changes in our MetLife Holdings and Asia segments. Refinements to DAC and certain insurance-related liabilities, which were recorded in both periods across the majority of our segments, resulted in a \$21 million decrease in adjusted earnings, most notably in our MetLife Holdings and U.S. segments.

**Expenses and Taxes.** A \$12 million decrease in expenses was primarily due to lower Separation-related and employee-related expenses, largely offset by an increase in costs associated with enterprise-wide initiatives, primarily due to a current period increase in expenses associated with our unit cost initiative. Our effective tax rates differ from the U.S. statutory rate of 21% typically due to nontaxable investment income, tax credits for investments in low income housing and foreign earnings taxed at different rates than the U.S. statutory rate. Higher utilization of tax preferenced items increased adjusted earnings by \$20 million compared to the prior period. Our prior period results include a net tax charge of \$180 million related to the repatriation of approximately \$3.0 billion of cash following the

post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations and a tax-related benefit of \$4 million from the finalization of certain tax audits.  
Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017  
Unless otherwise stated, all amounts discussed below are net of income tax.

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**Overview.** The primary drivers of the increase in adjusted earnings were higher net investment income due to a larger asset base and higher investment yields, the favorable impact of U.S. Tax Reform, a prior period tax charge and favorable underwriting, partially offset by higher interest credited expenses and the unfavorable impact of our annual actuarial assumption review.

**Foreign Currency.** Changes in foreign currency exchange rates had a \$16 million positive impact on adjusted earnings for the nine months ended September 30, 2018 compared to the prior period. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

**U.S. Tax Reform.** The changes from U.S. Tax Reform resulted in a net increase in adjusted earnings of \$235 million for the nine months ended September 30, 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

**Business Growth.** We benefited from positive net flows from many of our businesses, which increased our invested asset base. Growth in the investment portfolios of our U.S., Asia, and Latin America segments resulted in higher net investment income. However, this was partially offset by a corresponding increase in interest credited expense on certain insurance-related liabilities. In our U.S. segment, an increase in average premium per policy in our auto business, partially offset by a decrease in exposures, improved adjusted earnings. Business growth also drove an increase in commissions and other variable expenses, which were partially offset by higher DAC capitalization. The combined impact of the items affecting our business growth resulted in a \$79 million increase in adjusted earnings.

**Market Factors.** Market factors, including interest rate levels, variability in equity market returns, and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Excluding the impact of changes in foreign currency exchange rates on net investment income in our non-U.S. segments and changes in inflation rates on our inflation-indexed investments, investment yields increased slightly. Investment yields were positively affected by higher yields on fixed income securities, returns on real estate investments, income on derivatives and prepayment fees. These increases were largely offset by lower returns on private equities, driven by a decrease in certain partnership distributions, lower returns on hedge funds and lower returns on fair value option securities (“FVO Securities”). The slight improvement in yield was more than offset by the impact of higher average interest credited rates, which drove an increase in interest credited expense, primarily in our U.S. segment. The changes in market factors discussed above resulted in an \$18 million increase in adjusted earnings.

**Underwriting, Actuarial Assumption Review and Other Insurance Adjustments.** Favorable underwriting resulted in a \$145 million increase in adjusted earnings primarily as a result of lower catastrophe losses, as well as favorable morbidity in our U.S. and MetLife Holdings segments, partially offset by unfavorable claims experience in our EMEA and Asia segments. In addition, favorable mortality in our Latin America and U.S. segments was partially offset by unfavorable mortality in our MetLife Holdings segment. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$149 million in adjusted earnings, primarily due to less favorable assumption changes in our MetLife Holdings and Asia segments. Refinements to DAC and certain insurance-related liabilities, which were recorded in both periods across the majority of our segments, resulted in a \$14 million increase in adjusted earnings, most notably in our MetLife Holdings and U.S. segments.

**Expenses and Taxes.** A \$61 million decrease in expenses resulted from declines in Separation-related expenses and employee-related costs, as well as expenses incurred in the prior period related to the guaranty fund assessment for Penn Treaty, partially offset by higher costs associated with enterprise-wide initiatives, driven by a current period increase in expenses associated with our unit cost initiative and higher litigation expenses. Our effective tax rates differ from the U.S. statutory rate of 21% typically due to nontaxable investment income, tax credits for investments in low income housing and foreign earnings taxed at different rates than the U.S. statutory rate. Lower utilization of tax preferenced items decreased adjusted earnings by \$26 million compared to the prior period. Our current period results include tax benefits of \$36 million related to a non-cash transfer of assets from a wholly-owned U.K. investment subsidiary to its U.S. parent and \$7 million related to the settlement of an audit, partially offset by tax charges of \$17 million related to a tax adjustment in Chile and a \$5 million tax charge in Colombia to establish a deferred tax liability due to a change in tax status. Our prior period results include a net tax-related benefit of \$27

million from the finalization of certain tax audits, as well as a net tax charge of \$180 million related to the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations. Our prior period results also include a tax benefit of \$9 million related to the settlement of an audit in Argentina.

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## Segment Results and Corporate &amp; Other

## U.S.

Business Overview. Sales decreased from the prior period, primarily in our RIS business, with lower sales of stable value products and pension risk transfers, coupled with a decrease in funding agreement issuances. Changes in premiums for the RIS business were almost entirely offset by the related changes in policyholder benefits and claims. Sales increased in the Group Benefits business compared to the prior period, as sales in both our core insurance products and voluntary products improved. The increase in premiums, fees and other revenues from the impact of prior year sales was partially offset by the loss of a large dental contract in the second quarter of 2017. In our Property & Casualty business, sales increased over the prior period. The number of exposures decreased from the prior period, reflecting management actions to improve the quality of the business.

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2017	
	2018	2017	2018	2017
	(In millions)			
Adjusted revenues				
Premiums	\$6,431	\$6,987	\$22,950	\$18,049
Universal life and investment-type product policy fees	252	247	772	763
Net investment income	1,787	1,602	5,168	4,789
Other revenues	206	197	613	600
Total adjusted revenues	8,676	9,033	29,503	24,201
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	6,219	6,916	22,590	18,047
Interest credited to policyholder account balances	457	376	1,303	1,086
Capitalization of DAC	(116)	(126)	(336)	(342)
Amortization of DAC and VOBA	128	118	357	346
Interest expense on debt	2	2	8	8
Other expenses	982	933	2,908	2,756
Total adjusted expenses	7,672	8,219	26,830	21,901
Provision for income tax expense (benefit)	209	275	554	771
Adjusted earnings	\$795	\$539	\$2,119	\$1,529

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$112 million for the third quarter of 2018 compared to the prior period.

Business Growth. Net investment income improved as a result of higher average invested assets due to the cumulative impact of increased premiums, primarily due to pension risk transfer sales in the second quarter of 2018, partially offset by a decrease in net flows from funding agreements. However, consistent with the growth in average invested assets from increased premiums, interest credited expense on long-duration contracts increased. An increase in average premium per policy in our auto business, partially offset by the decrease in exposures, improved adjusted earnings. Higher volume-related, direct and premium tax expenses were partially offset by lower pension and post-retirement expenses. This net increase in expenses, coupled with the increase due to the 2018 reinstatement of the annual health insurer fee under the Patient Protection and Affordable Care Act ("PPACA"), was more than offset by a corresponding increase in premiums, fees and other revenues. The combined impact of the items affecting our business growth increased adjusted earnings by \$28 million.

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Market Factors. Market factors, including interest rate levels, variability in equity market returns and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment yields increased, primarily due to higher yields on fixed income securities and mortgage loans, coupled with an increase in derivative income, partially offset by lower returns on private equities, as a result of a decrease in certain partnership distributions. The increase in investment yields was mostly offset by the impact of higher average interest credited rates, which drove an increase in interest credited expense, coupled with the increase in the crediting rate on certain long-duration insurance contracts. The changes in market factors discussed above resulted in a slight increase in adjusted earnings.

Underwriting and Other Insurance Adjustments. In our Property & Casualty business, catastrophe-related losses decreased \$30 million in the current period due, in part, to lower hurricane-related claims. Non-catastrophe claim costs increased \$10 million as a result of higher auto severities, partially offset by a decrease in homeowner severities. Losses from our commercial business increased \$7 million. As a result of overall lower claim activity, loss adjustment expenses decreased, increasing adjusted earnings by \$6 million. Favorable claims experience in our Group Benefits business resulted in a \$27 million increase in adjusted earnings. This was primarily driven by favorable renewal results in our disability business, as well as lower incidence and severity, coupled with growth and favorable claims experience in our accident & health business, partially offset by less favorable claims experience in our dental and vision businesses. Mortality results were flat in the current period, as favorable claims experience in our universal life business was offset by less favorable mortality in our term life and accidental death & dismemberment businesses. Favorable mortality in our specialized life insurance and pension risk transfer businesses increased adjusted earnings by \$6 million. Refinements to certain insurance and other liabilities, which were recorded in both periods, resulted in a \$65 million increase in adjusted earnings. Such refinements include a current period favorable net insurance adjustment of \$37 million resulting from reserve and DAC modeling improvements in our individual disability insurance business.

Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$314 million for the nine months ended September 30, 2018 compared to the prior period.

Business Growth. Net investment income improved as a result of higher average invested assets due to the impact of increased premiums and deposits, primarily due to pension risk transfer sales, partially offset by a decrease in net flows from funding agreements. However, consistent with the growth in average invested assets from increased premiums, interest credited expense on long-duration contracts increased. An increase in average premium per policy in our auto business, partially offset by the decrease in exposures, improved adjusted earnings. Higher volume-related, direct and premium tax expenses were partially offset by lower pension and post retirement expenses. This net increase in expenses, coupled with the increase due to the current period reinstatement of the annual health insurer fee under the PPACA, were more than offset by a corresponding increase in premiums, fees and other revenues. The combined impact of the items affecting our business growth increased adjusted earnings by \$121 million.

Market Factors. Market factors, including interest rate levels, variability in equity market returns and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment yields increased, primarily due to higher yields on fixed income securities and mortgage loans, coupled with higher returns on real estate investments, partially offset by lower returns on private equities, as a result of a decrease in certain partnership distributions. The net increase in investment yields was more than offset by the impact of higher average interest credited rates, which drove an increase in interest credited expense; however, this was partially offset by an increase in adjusted earnings due to a decrease in the crediting rate on certain long-duration insurance contracts. The changes in market factors discussed above resulted in a \$63 million decrease in adjusted earnings.

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Underwriting and Other Insurance Adjustments. In our Property & Casualty business, catastrophe-related losses decreased \$88 million in the current period. Losses from our commercial business increased \$16 million. Non-catastrophe claim costs increased \$7 million, as a result of higher auto and homeowner severities, partially offset by lower auto and homeowner frequencies. As a result of overall lower claim activity, loss adjustment expenses decreased, increasing adjusted earnings by \$12 million. Favorable claims experience in our Group Benefits business resulted in a \$70 million increase in adjusted earnings. This was primarily driven by favorable renewal results in our disability business, as well as lower claim incidence and severity, coupled with growth and favorable claims experience in our accident & health business, partially offset by less favorable claims experience in our dental and vision businesses. Less favorable mortality results in the current period, mainly due to less favorable claim experience in our term life business, were mostly offset by favorable mortality in our accidental death & dismemberment and universal life businesses, which resulted in a \$5 million decrease in adjusted earnings. Favorable mortality in our specialized life insurance, structured settlement and pension risk transfer businesses increased adjusted earnings by \$37 million. Refinements to certain insurance and other liabilities, which were recorded in both periods, resulted in a \$55 million increase in adjusted earnings. Such refinements include a current period favorable insurance adjustment resulting from reserve and DAC modeling improvements in our individual disability insurance business.

## Asia

Business Overview. Sales for the three months ended September 30, 2018 increased compared to the prior period, primarily driven by growth in foreign currency-denominated annuity products, as well as accident & health product sales, in Japan. Sales in the current period also benefited from a group case sale in Australia, as well as continued growth in emerging markets, mainly in China, partially offset by lower sales in Korea due to the continued impact of regulatory changes.

	Three Months Ended September 30, 2018		Nine Months Ended September 30, 2018	
	2017	2018	2017	2018
	(In millions)			
Adjusted revenues				
Premiums	\$1,689	\$1,696	\$5,091	\$5,063
Universal life and investment-type product policy fees	428	458	1,221	1,199
Net investment income	830	762	2,464	2,193
Other revenues	12	11	40	32
Total adjusted revenues	2,959	2,927	8,816	8,487
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	1,354	1,223	3,934	3,785
Interest credited to policyholder account balances	381	349	1,094	1,003
Capitalization of DAC	(478)	(420)	(1,438)	(1,268)
Amortization of DAC and VOBA	366	424	993	1,005
Amortization of negative VOBA	(4)	(24)	(31)	(91)
Other expenses	943	905	2,871	2,675
Total adjusted expenses	2,562	2,457	7,423	7,109
Provision for income tax expense (benefit)	131	156	437	459
Adjusted earnings	\$266	\$314	\$956	\$919

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

Foreign Currency. Changes in foreign currency exchange rates decreased adjusted earnings by \$4 million for the third quarter of 2018 compared to the prior period, primarily due to the weakening of the Japanese yen against the U.S. dollar. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$9 million for the third quarter of 2018 compared to the prior period.

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**Business Growth.** Asia's premiums, fees and other revenues decreased slightly from the prior period mainly due to a change in product mix from premium-based products to fee-based products, primarily from Yen life products to foreign currency-denominated life products and accident & health products in Japan. The decrease in premiums from Yen life products was partially offset by a related decline in policyholder benefits. Positive net flows in Japan and Korea resulted in higher average invested assets, which improved net investment income. The combined impact of the items discussed above improved adjusted earnings by \$29 million.

**Market Factors.** Market factors, including interest rate levels and variability in equity market returns, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment results were favorably impacted by higher returns on real estate investments, as well as higher yields on fixed income securities due to the favorable impact of increased sales of life and annuity products in Japan, which drove an increase in higher-yielding U.S. dollar-denominated fixed income securities. This increase in yields in Japan was partially offset by lower yields on fixed income securities in Korea. Investment yields were negatively impacted by lower earnings from our operating joint ventures, primarily in China, and higher investment expenses. The combined impact of the items affecting our business growth increased adjusted earnings by \$6 million.

**Underwriting, Actuarial Assumption Review and Other Insurance Adjustments.** Higher claims in Japan decreased adjusted earnings by \$12 million. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$63 million in adjusted earnings. Refinements to certain insurance and other liabilities, which were recorded in both periods, resulted in a \$14 million decrease in adjusted earnings. Our results for the current period include a favorable liability refinement of \$4 million in Japan.

**Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017**

Unless otherwise stated, all amounts discussed below are net of income tax.

**Foreign Currency.** Changes in foreign currency exchange rates increased adjusted earnings by \$11 million for the nine months ended September 30, 2018 compared to the prior period, primarily due to the strengthening of the Japanese yen and Korean won against the U.S. dollar. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

**U.S. Tax Reform.** The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$34 million for the nine months ended September 30, 2018 compared to the prior period.

**Business Growth.** Asia's premiums, fees and other revenues decreased slightly from the prior period mainly due to a change in product mix from premium-based products to fee-based products, primarily from Yen life products to foreign currency-denominated life products and accident & health products in Japan. The decrease in premiums from Yen life products was partially offset by a related decline in policyholder benefits. Positive net flows in Japan and Korea resulted in higher average invested assets, which improved net investment income. The combined impact of the items affecting our business growth improved adjusted earnings by \$77 million.

**Market Factors.** Market factors, including interest rate levels and variability in equity market returns, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment results were favorably impacted by higher returns on real estate investments, derivative income, and yields on mortgage loans. In addition, higher earnings from our operating joint venture in China improved net investment income. Increased sales of life and annuity products in Japan drove an increase in higher-yielding U.S. dollar-denominated fixed income securities. This increase in yields in Japan was partially offset by lower yields on fixed income securities in Korea. Investment yields were negatively impacted by increased investment expenses and lower returns on hedge funds. The combined impact of the items discussed above increased adjusted earnings by \$44 million.

**Underwriting, Actuarial Assumption Review and Other Insurance Adjustments.** Higher lapses and claims in Japan decreased adjusted earnings by \$33 million. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$63 million in adjusted earnings. Refinements to certain insurance and other liabilities, which were recorded in both periods, resulted in a slight decrease in adjusted earnings. Our results for the current period include favorable liability refinements of \$24 million in Japan, partially offset by an unfavorable liability refinement of \$10 million in Bangladesh. Our prior period results include a favorable refinement of \$12 million related to

reinsurance receivables in Australia.

Expenses. Higher expenses, primarily driven by higher employee-related and project costs, as well as an increase in corporate overhead costs, reduced adjusted earnings by \$24 million.

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## Latin America

Business Overview. Sales for the three months ended September 30, 2018 increased compared to the prior period, driven by higher sales of individual accident & health products in Chile and group accident & health products in Mexico, partially offset by lower sales of retirement products in Mexico and Brazil.

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
	(In millions)			
Adjusted revenues				
Premiums	\$692	\$701	\$2,079	\$1,993
Universal life and investment-type product policy fees	229	229	786	764
Net investment income	339	299	942	891
Other revenues	7	7	24	24
Total adjusted revenues	1,267	1,236	3,831	3,672
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	670	640	1,976	1,869
Interest credited to policyholder account balances	102	99	295	275
Capitalization of DAC	(97 )	(94 )	(282 )	(264 )
Amortization of DAC and VOBA	5	—	136	146
Amortization of negative VOBA	(1 )	(1 )	(1 )	(1 )
Interest expense on debt	2	1	5	4
Other expenses	351	377	1,052	1,060
Total adjusted expenses	1,032	1,022	3,181	3,089
Provision for income tax expense (benefit)	65	51	195	123
Adjusted earnings	\$170	\$163	\$455	\$460

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

Foreign Currency. Changes in foreign currency exchange rates decreased adjusted earnings by \$13 million for the third quarter of 2018 compared to the prior period mainly due to the weakening of the Mexican and Argentine pesos against the U.S. dollar. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in a decrease in adjusted earnings of \$10 million for the third quarter of 2018 compared to the prior period.

Business Growth. Latin America experienced growth across several lines of business primarily within Mexico and Chile. This growth resulted in increased premiums and policy fee income, which was largely offset by related changes in policyholder benefits. Positive net flows, primarily from Chile and Argentina, resulted in an increase in average invested assets and generated higher net investment income. This was partially offset by an increase in interest credited expense on certain insurance liabilities. Business growth also drove an increase in commissions, which was offset by higher DAC capitalization. The combined impact of the items affecting our business growth resulted in a \$10 million increase in adjusted earnings.

Market Factors. Market factors, including interest rate levels and variability in equity market returns, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Changes in market factors resulted in a \$19 million increase in adjusted earnings primarily due to an increase in investment yields and a slight decrease in interest credited expense. The increase in investment yields was primarily driven by higher yields from fixed income securities in Mexico and Chile, which were partially offset by lower returns from FVO Securities in Argentina and Chile.



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Underwriting, Actuarial Assumption Review and Other Insurance Adjustments. Favorable underwriting resulted in a \$14 million increase to adjusted earnings primarily driven by lower claims experience in Mexico. The impact in both periods of our annual actuarial assumption review resulted in a \$13 million increase to adjusted earnings. In addition, refinements to certain insurance liabilities and other adjustments in both periods, primarily in Chile and Mexico, resulted in a \$23 million decrease to adjusted earnings.

Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

Foreign Currency. Changes in foreign currency exchange rates decreased adjusted earnings by \$3 million for the nine months ended September 30, 2018 compared to the prior period mainly due to the weakening of the Mexican and Argentine pesos against the U.S. dollar. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in a decrease in adjusted earnings of \$30 million for the nine months ended September 30, 2018 compared to the prior period.

Business Growth. Latin America experienced growth across several lines of business primarily within Chile. This growth resulted in increased premiums and policy fee income, which was largely offset by related changes in policyholder benefits. Positive net flows, primarily from Chile and Argentina, resulted in an increase in average invested assets and generated higher net investment income. This was partially offset by an increase in interest credited expense on certain insurance liabilities. Business growth also drove an increase in commissions and other variable expenses, which were partially offset by higher DAC capitalization. The combined impact of the items affecting our business growth resulted in a slight decrease in adjusted earnings.

Market Factors. Market factors, including interest rate levels and variability in equity market returns, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Changes in market factors resulted in an \$8 million decrease in adjusted earnings primarily due to lower investment yields. The decrease in investment yields was primarily driven by lower returns from FVO Securities in Chile, partially offset by higher yields from fixed income securities in Mexico and higher derivative income in Chile. A slight decrease in interest credited expense partially offset the decline in adjusted earnings.

Underwriting, Actuarial Assumption Review and Other Insurance Adjustments. Favorable underwriting resulted in a \$56 million increase to adjusted earnings primarily driven by lower claims experience in Mexico. The impact in both periods of our annual actuarial assumption review resulted in a \$13 million increase to adjusted earnings. In addition, refinements to certain insurance liabilities and other adjustments in both periods, primarily in Brazil, Mexico and Chile, resulted in a \$22 million decrease to adjusted earnings.

Expenses and Taxes. A \$12 million decrease in expenses was primarily the result of a current period reduction of a litigation reserve in Argentina. Our results for the current period include a \$17 million tax charge related to a tax adjustment in Chile and a \$5 million tax charge in Colombia to establish a deferred tax liability due to a change in tax status. The prior period includes a tax benefit of \$9 million related to the settlement of an audit. Other tax-related items in both periods, primarily due to the changes in the valuation of the peso in Argentina, resulted in a \$12 million increase in adjusted earnings.

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## EMEA

Business Overview. Sales for the three months ended September 30, 2018 decreased compared to the prior period primarily due to the closure of the U.K. wealth management product to new business in the third quarter of 2017 and a decline in sales of employee benefits and life insurance products in the Gulf region.

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
	(In millions)			
Adjusted revenues				
Premiums	\$514	\$527	\$1,611	\$1,534
Universal life and investment-type product policy fees	105	109	324	296
Net investment income	73	77	221	229
Other revenues	15	(2 )	51	43
Total adjusted revenues	707	711	2,207	2,102
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	281	282	861	821
Interest credited to policyholder account balances	24	26	75	75
Capitalization of DAC	(109 )	(109 )	(348 )	(301 )
Amortization of DAC and VOBA	110	78	324	260
Amortization of negative VOBA	(2 )	(5 )	(12 )	(13 )
Other expenses	333	347	1,023	995
Total adjusted expenses	637	619	1,923	1,837
Provision for income tax expense (benefit)	15	21	62	47
Adjusted earnings	\$55	\$71	\$222	\$218

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

Foreign Currency. Changes in foreign currency exchange rates decreased adjusted earnings by \$5 million for the third quarter of 2018 as compared to the prior period, primarily driven by the strengthening of the U.S. dollar against the Turkish lira. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in a slight increase in adjusted earnings for the third quarter of 2018 compared to the prior period.

Business Growth. Growth from our accident & health and credit life businesses in Turkey and across several European markets resulted in a \$5 million increase in adjusted earnings.

Underwriting, Actuarial Assumption Review and Other Insurance Adjustments. Less favorable underwriting, primarily in our accident & health business in Greece, as well as unfavorable underwriting in our life insurance business in the Czech Republic and Iberia decreased adjusted earnings by \$13 million. The impact in both periods of our annual actuarial assumption review resulted in a decrease in adjusted earnings of \$15 million. In addition, adjusted earnings increased by \$2 million due to refinements recorded in the prior period in our employee benefits business in the U.K. and, in the current period, in our life insurance business in the Gulf region.

Expenses. Adjusted earnings increased by \$9 million due to lower costs associated with enterprise-wide initiatives, notably the closing of the wealth management product to new business in the U.K. in the third quarter of 2017, along with declines in various other expenses.

Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.



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Foreign Currency. The impact of changes in foreign currency exchange rates increased adjusted earnings by \$8 million for the nine months ended September 30, 2018 compared to the prior period, primarily driven by the weakening of the U.S. dollar against the euro, the British pound, the Polish zloty, and the Czech koruna, partially offset by the strengthening of the U.S. dollar against the Turkish lira. Unless otherwise stated, all amounts discussed below are net of foreign currency fluctuations. Foreign currency fluctuations can result in significant variances in the financial statement line items.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in a decrease in adjusted earnings of \$14 million for the nine months ended September 30, 2018 compared to the prior period.

Business Growth. Growth from our accident & health and credit life businesses in Turkey and across several European markets resulted in a \$20 million increase in adjusted earnings.

Market Factors. Market factors, including interest rate levels and variability in equity market returns, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. A slight decrease in net investment income was driven by lower investment yields on fixed income securities.

Underwriting, Actuarial Assumption Review and Other Insurance Adjustments. Less favorable underwriting, primarily in our accident & health business in Greece, as well as unfavorable underwriting in the Gulf region, our employee benefits business in the U.K., and in our life insurance business in France, decreased adjusted earnings by \$34 million. The impact in both periods of our annual actuarial assumption review resulted in a decrease in adjusted earnings of \$15 million. In addition, adjusted earnings decreased by \$2 million due to refinements recorded in the prior period in our employee benefits business in the U.K. and the Gulf region and, in the current period, in our life insurance business in the Gulf region.

Expenses. Adjusted earnings increased by \$51 million due to lower costs associated with enterprise-wide initiatives, notably the closing of the wealth management product to new business in the U.K. in the third quarter of 2017, declines in various other expenses and the release of provisions arising from finalization of historic corporate tax filings.

Other. A decrease in our invested asset base, primarily due to dividend payments, negatively impacted net investment income resulting in an \$8 million decrease in adjusted earnings.

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## MetLife Holdings

**Business Overview.** The discontinuance of the marketing of life and annuity products in this segment in early 2017 resulted in lower revenues. This will continue to result in a declining DAC asset over time, and we anticipate an average decline in premiums, fees and other revenues of approximately 5% per year from expected business run-off. A significant portion of our adjusted earnings is driven by separate account balances. Most directly, these balances determine asset-based fee income but they also impact DAC amortization and asset-based commissions. Separate account balances are driven by deposits, movements in the market, surrenders, withdrawals, benefit payments, transfers and policy charges. Separate account balances decreased due to negative net flows, as benefits, surrenders and withdrawals exceeded deposits and equity performance. Although we have discontinued selling our long-term care product, we continue to collect premiums and administer the existing block of business, which contributed to asset growth in the segment, and we expect the related reserves to grow as this block matures.

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
	(In millions)			
Adjusted revenues				
Premiums	\$949	\$989	\$2,856	\$3,070
Universal life and investment-type product policy fees	286	349	901	1,056
Net investment income	1,375	1,390	4,056	4,232
Other revenues	70	37	205	170
Total adjusted revenues	2,680	2,765	8,018	8,528
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	1,766	1,732	5,022	5,182
Interest credited to policyholder account balances	238	255	709	767
Capitalization of DAC	(8 )	(14 )	(28 )	(71 )
Amortization of DAC and VOBA	13	(70 )	214	143
Interest expense on debt	2	2	6	22
Other expenses	264	322	815	1,032
Total adjusted expenses	2,275	2,227	6,738	7,075
Provision for income tax expense (benefit)	78	174	248	465
Adjusted earnings	\$327	\$364	\$1,032	\$988

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

**U.S. Tax Reform.** The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$68 million for the third quarter of 2018 compared to the prior period.

**Business Growth.** Lower net investment income, resulting from a reduced invested asset base, primarily in fixed income securities, decreased adjusted earnings. The reduced asset base is primarily the result of negative net flows in our deferred annuities and life businesses. This decline was partially offset by invested asset growth in our long-term care business. A decrease in universal life deposits in our life business, as well as the negative net flows in our annuities business, resulted in lower fee income, decreasing adjusted earnings. The combined impact of the items affecting our business growth, partially offset by lower DAC amortization, resulted in a \$55 million decrease in adjusted earnings.

**Market Factors.** Market factors, including interest rate levels, variability in equity market returns, and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment yields increased primarily due to higher prepayment fees and yields on fixed income securities, lower investment expenses, as well as higher returns on real estate investments and private equities, partially offset by a decline in yields on mortgage loans. The changes in market factors discussed above resulted in a

\$29 million increase in adjusted earnings.

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Underwriting, Actuarial Assumption Review, and Other Insurance Adjustments. Favorable underwriting results, primarily due to the impact of favorable rate actions in our long-term care business, partially offset by unfavorable mortality in our life businesses and mortality losses on life-contingent annuities, resulted in a \$5 million increase in adjusted earnings. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$84 million in adjusted earnings. Changes in operational assumptions, including updates to closed block projections, maintenance and other expenses, were less favorable in the current period. Refinements to DAC and certain insurance-related liabilities that were recorded in both periods resulted in a \$51 million decrease in adjusted earnings. This includes a current period charge due to an increase in our IBNR life reserves, reflecting enhancements to our processes related to potential claims, as well as a favorable prior period reserve adjustment resulting from modeling improvements in our life business. These unfavorable impacts were partially offset by a current period benefit resulting from modeling improvements in our life business, as well as the impact of a prior period charge resulting from modeling improvements in our long-term care business.

Expenses. Adjusted earnings increased by \$54 million as a result of lower expenses, primarily due to declines in Separation-related expenses, as well as lower employee-related costs.

Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in an increase in adjusted earnings of \$182 million for the nine months ended September 30, 2018 compared to the prior period.

Business Growth. Lower net investment income, resulting from a reduced invested asset base, primarily in fixed income securities, decreased adjusted earnings. The reduced invested asset base is primarily the result of negative net flows in our deferred annuities and life businesses. This decline was partially offset by invested asset growth in our long-term care business. The negative net flows in our annuities business and a decrease in universal life deposits resulted in lower fee income and lower interest credited expense. The continued maturing of the existing long-term care block of business resulted in higher interest credited expense. The combined impact of the items affecting our business growth, partially offset by lower DAC amortization, resulted in a \$160 million decrease in adjusted earnings.

Market Factors. Market factors, including interest rate levels, variability in equity market returns, and foreign currency exchange rate fluctuations, continued to impact our results; however, certain impacts were mitigated by derivatives used to hedge these risks. Investment yields increased primarily due to higher returns on real estate investments, lower investment expenses, increased prepayment fees and higher fixed income securities yields, partially offset by lower returns on private equities and a decline in mortgage loan yields. In our deferred annuity business, higher equity returns drove an increase in average separate account balances, which resulted in higher asset-based fee income. The changes in market factors discussed above, partially offset by slightly higher DAC amortization, resulted in a \$16 million increase in adjusted earnings.

Underwriting, Actuarial Assumption Review, and Other Insurance Adjustments. Unfavorable mortality in our life businesses, partially offset by favorable underwriting, primarily due to the impact of favorable rate actions in our long-term care business, and mortality gains on life-contingent annuities, resulted in an \$18 million decrease in adjusted earnings. The impact in both periods of our annual actuarial assumption review resulted in a decrease of \$84 million in adjusted earnings. Changes in operational assumptions, including updates to closed block projections, maintenance and other expenses, were less favorable in the current period. Refinements to DAC and certain insurance-related liabilities that were recorded in both periods resulted in a \$16 million decrease in adjusted earnings. This includes the following current period refinements: (i) a charge due to an increase in our IBNR life reserves, reflecting enhancements to our processes related to potential claims; (ii) a favorable reserve adjustment relating to certain variable annuity guarantees assumed from a former joint venture in Japan; and (iii) a benefit resulting from modeling improvements in our life business. This also includes the following prior period refinements: (i) a favorable DAC adjustment related to certain assumed participating whole life business; (ii) two separate favorable reserve adjustments resulting from modeling improvements in our life business; (iii) an unfavorable adjustment related to the recapture and novation of, as well as adjustments to, assumed and ceded agreements covering certain variable annuity business; (iv) an unfavorable net impact from a life reinsurance recapture; and (v) an unfavorable reserve adjustment resulting from modeling improvements in our long-term care business.

Expenses. Adjusted earnings increased by \$112 million as a result of lower expenses, primarily due to declines in Separation-related expenses, as well as lower employee-related costs.

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## Corporate &amp; Other

	Three Months Ended September 30, 2018 2017		Nine Months Ended September 30, 2018 2017	
	(In millions)			
Adjusted revenues				
Premiums	\$(33 )	\$13	\$(14 )	\$59
Net investment income	58	26	157	107
Other revenues	86	65	246	185
Total adjusted revenues	111	104	389	351
Adjusted expenses				
Policyholder benefits and claims and policyholder dividends	(38 )	7	(38 )	33
Interest credited to policyholder account balances	—	—	—	1
Capitalization of DAC	(2 )	(2 )	(7 )	(6 )
Amortization of DAC and VOBA	2	3	5	5
Interest expense on debt	246	279	798	833
Other expenses	314	237	805	614
Total adjusted expenses	522	524	1,563	1,480
Provision for income tax expense (benefit)	(206 )	(90 )	(599 )	(630 )
Adjusted earnings	(205 )	(330 )	(575 )	(499 )
Less: Preferred stock dividends	32	6	84	58
Adjusted earnings available to common shareholders	\$(237)	\$(336)	\$(659)	\$(557)

The table below presents adjusted earnings available to common shareholders by source:

	Three Months Ended September 30, 2018 2017		Nine Months Ended September 30, 2018 2017	
	(In millions)			
Other business activities	\$13	\$5	\$31	\$19
Other net investment income	107	49	214	193
Interest expense on debt	(256 )	(300 )	(831 )	(901 )
Corporate initiatives and projects	(132 )	(45 )	(268 )	(197 )
Other	(101 )	(128 )	(278 )	(246 )
Provision for income tax (expense) benefit and other tax-related items	164	89	557	633
Preferred stock dividends	(32 )	(6 )	(84 )	(58 )
Adjusted earnings available to common shareholders	\$(237)	\$(336)	\$(659)	\$(557)

Three Months Ended September 30, 2018 Compared with the Three Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

U.S. Tax Reform. The changes from U.S. Tax Reform resulted in a decrease in adjusted earnings of \$110 million for the third quarter of 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

Other Net Investment Income. Higher returns on real estate joint ventures and private equities were partially offset by lower returns on the remainder of the portfolio, resulting in an increase of \$46 million in other net investment income.

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**Interest Expense on Debt.** Interest expense on debt decreased by \$35 million, primarily due to: (i) the exchange of senior notes for FVO Brighthouse Common Stock; (ii) the redemption of senior notes for cash; (iii) the maturity of senior notes during the current period; (iv) lower interest rates on certain intercompany senior notes redenominated to Japanese yen; and (v) the maturity of \$1.0 billion of senior notes in December 2017. The assets supporting the redenominated senior notes are owned by our business segments.

**Corporate Initiatives and Projects.** Expenses associated with corporate initiatives and projects increased by \$69 million, primarily due to higher expenses related to our unit cost initiative.

**Provision for Income Tax (Expense) Benefit and Other Tax-Related Items.** In addition to the impact of U.S. Tax Reform, Corporate & Other's effective tax rate differs from the U.S. statutory rate of 21% typically due to benefits from the impact of certain permanent tax-preferenced items, including non-taxable investment income, tax credits for investments in low income housing and foreign earnings taxed at different rates than the U.S. statutory rate. In the prior period, the Company recognized a \$180 million net tax charge related to the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations. The prior period also included a \$4 million net tax-related benefit from the finalization of certain tax audits. In addition, increased utilization of tax preferenced items increased adjusted earnings by \$20 million from the prior period.

**Other.** Adjusted earnings increased \$21 million, primarily as a result of a \$24 million decrease in employee-related expenses, as well as declines in various other expenses, partially offset by a \$13 million increase in expenses for interest on tax positions.

**Preferred Stock Dividends.** Preferred stock dividends increased \$26 million as a result of the issuance of Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series D ("Series D preferred stock") in March 2018 and Non-Cumulative Preferred Stock, Series E ("Series E preferred stock") in June 2018.

Nine Months Ended September 30, 2018 Compared with the Nine Months Ended September 30, 2017

Unless otherwise stated, all amounts discussed below are net of income tax.

**U.S. Tax Reform.** The changes from U.S. Tax Reform resulted in a decrease in adjusted earnings of \$251 million for the nine months ended September 30, 2018 compared to the prior period, which includes a \$32 million, net of income tax, reduction of net investment income in the current period related to tax credit partnership investments.

**Other Net Investment Income.** Higher returns on real estate investments and private equities were partially offset by lower returns on the remainder of the portfolio, resulting in an increase of \$17 million in other net investment income.

**Interest Expense on Debt.** Interest expense on debt decreased by \$55 million, primarily due to: (i) the exchange of senior notes for FVO Brighthouse Common Stock; (ii) the redemption of senior notes for cash; (iii) the maturity of senior notes during the current period; (iv) lower interest rates on certain intercompany senior notes redenominated to Japanese yen; and (v) the maturity of \$1.0 billion of senior notes in December 2017. The assets supporting the redenominated senior notes are owned by our business segments.

**Corporate Initiatives and Projects.** Expenses associated with corporate initiatives and projects increased by \$56 million, primarily due to higher costs associated with our unit cost initiative, partially offset by prior period lease impairments and lower costs associated with certain other enterprise-wide initiatives.

**Provision for Income Tax (Expense) Benefit and Other Tax-Related Items.** In addition to the impact of U.S. Tax Reform, Corporate & Other's effective tax rate differs from the U.S. statutory rate of 21% typically due to benefits from the impact of certain permanent tax-preferenced items, including non-taxable investment income, tax credits for investments in low income housing and foreign earnings taxed at different rates than the U.S. statutory rate. In the prior period, the Company recognized a \$180 million net tax charge related to the repatriation of approximately \$3.0 billion of cash following the post-Separation review of our capital needs, partially offset by a tax benefit associated with dividends from our non-U.S. operations. The prior period also included a \$27 million net tax-related benefit from the finalization of certain tax audits. In the current period, the Company also recognized tax benefits of \$36 million related to a non-cash transfer of assets from a wholly-owned U.K. investment subsidiary to its U.S. parent and \$5 million related to the settlement of an audit, as well as a \$17 million tax charge for decreased utilization of tax-preferenced items.

Other. Adjusted earnings decreased \$25 million, primarily as a result of a \$38 million increase in litigation accruals, a \$28 million increase in certain corporate-related expenses and a \$20 million increase in expenses for interest on tax positions, partially offset by \$21 million of expenses incurred in the prior period and taxed at the prior period rate related to the guaranty fund assessment for Penn Treaty and a \$37 million decrease in employee-related expenses. Preferred Stock Dividends. Preferred stock dividends increased \$26 million as a result of the issuance of Series D and Series E preferred stock in the current period.

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## Investments

## Investment Risks

Our primary investment objective is to optimize, net of income tax, risk-adjusted net investment income and risk-adjusted total return while ensuring that assets and liabilities are managed on a cash flow and duration basis. The Investments Department, led by the Chief Investment Officer, manages investment risks through the Investments Risk Committee using a risk control framework comprised of policies, procedures, limits and tolerances. The Investments Risk Committee reviews and monitors the management of investment risks through this risk control framework. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Investments — Investment Risks” included in the 2017 Annual Report for an explanation of investment risks and our risk control framework.

## Current Environment

The global economy and markets continue to be affected by stress and volatility, which has adversely affected the financial services sector, in particular, and global capital markets. Political and economic instability has contributed to global market volatility which may have an impact on our investments.

As a global insurance company, we continue to be impacted by the changing global financial and economic environment, as well as the monetary policy of central banks around the world. Measures taken by central banks, including with respect to the level of interest rates, may have an impact on the pricing levels of risk-bearing investments and may adversely impact our business operations, investment portfolio and derivatives. The current environment continues to impact our net investment income, net investment gains (losses), net derivative gains (losses), level of unrealized gains (losses) within the various asset classes in our investment portfolio, and our level of investment in lower yielding cash equivalents, short-term investments and government securities. See “— Industry Trends — Financial and Economic Environment,” as well as “Risk Factors — Economic Environment and Capital Markets-Related Risks — We Are Exposed to Significant Global Financial and Capital Markets Risks Which May Adversely Affect Our Results of Operations, Financial Condition and Liquidity, and May Cause Our Net Investment Income to Vary from Period to Period” included in the 2017 Annual Report.

## European Investments

We maintain general account investments in Europe to support our insurance operations and related policyholder liabilities in these countries and certain of our non-European operations invest in Europe for diversification. In Europe, we have proactively mitigated risk in both direct and indirect exposures by investing in a diversified portfolio of high quality investments with a focus on the higher-rated countries, including the U.K., France, Germany, the Netherlands, Poland, Sweden and Switzerland. The sovereign debt of these countries continues to maintain investment grade credit ratings from all major rating agencies. Our European fixed maturity securities AFS and perpetual hybrid securities classified as non-redeemable preferred stock are invested in a diversified portfolio of primarily non-financial services securities. At September 30, 2018, our exposure to such securities in Europe totaled \$37.8 billion, at estimated fair value, of which \$8.7 billion was in sovereign fixed maturity securities AFS. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Investments — Current Environment — European Investments” included in the 2017 Annual Report for further information.

## Selected Country Investments

We have country-specific exposure to volatility, as we maintain general account investments in the U.K., South Korea and Mexico to support our insurance operations and related policyholder liabilities in these countries. We also have exposure to volatility in these selected countries through our global portfolio diversification. Our exposure to sovereign fixed maturity securities AFS and total fixed maturity securities AFS of the U.K., South Korea and Mexico totaled \$9.6 billion and \$25.3 billion, at estimated fair value, respectively, at September 30, 2018.

We manage direct and indirect investment exposure in the selected countries through fundamental credit analysis and we continually monitor and adjust our level of investment exposure. We do not expect any adverse impact to our general account investments in these countries will have a material adverse effect on our results of operations or financial condition.

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## Investment Portfolio Results

The following yield table presents our investment portfolio results for the periods indicated. We calculate yields using net investment income, as reported on an adjusted basis. Net investment income, as reported on an adjusted basis, includes the impact of changes in foreign currency exchange rates. This yield table presentation is consistent with how we measure our investment performance for management purposes, and we believe it enhances understanding of our investment portfolio results. See Note 2 of the Notes to the Interim Condensed Consolidated Financial Statements for a reconciliation of net investment income under GAAP to net investment income, as reported on an adjusted basis.

	For the Three Months Ended September 30, 2018		2017		For the Nine Months Ended September 30, 2018		2017	
	Yield %	(A)mount	Yield %	(A)mount	Yield %	(A)mount	Yield %	(1)Amount
Fixed maturity securities AFS (2), (3)	4.30	% \$ 2,980	4.25	% \$ 2,843	4.26	% \$ 8,764	4.29	% \$ 8,488
Mortgage loans (3)	4.80	% 859	4.78	% 809	4.64	% 2,466	4.59	% 2,303
Real estate and real estate joint ventures	3.67	% 90	2.80	% 66	3.84	% 282	3.14	% 218
Policy loans	5.35	% 130	5.40	% 130	5.23	% 381	5.37	% 386
Equity securities	4.74	% 14	4.92	% 31	4.41	% 45	4.80	% 93
Other limited partnership interests	14.86	% 229	15.94	% 214	13.15	% 589	16.46	% 648
Cash and short-term investments	2.79	% 71	1.13	% 25	2.33	% 178	1.39	% 92
Other invested assets		211		173		670		557
Investment income	4.65	% 4,584	4.54	% 4,291	4.57	% 13,375	4.58	% 12,785
Investment fees and expenses	(0.12)	%) (121	) (0.14)	%) (133	) (0.13)	%) (366	) (0.14)	%) (390
Net investment income including divested businesses (4)	4.53	% 4,463	4.40	4,158	4.44	% 13,009	4.44	% 12,395
Less: net investment income from divested businesses (4)		1		2		1		(46)
Net investment income, as reported on an adjusted basis		\$ 4,462		\$ 4,156		\$ 13,008		\$ 12,441

Yields are calculated as investment income as a percent of average quarterly asset carrying values. Investment income excludes recognized gains and losses. Asset carrying values exclude unrealized gains (losses), collateral received in connection with our securities lending program, annuities funding structured settlement claims, (1) freestanding derivative assets, collateral received from derivative counterparties, the effects of consolidating certain variable interest entities (“VIEs”) under GAAP that are treated as consolidated securitization entities (“CSEs”), Unit-linked investments and FVO Brighthouse Common Stock. A yield is not presented for other invested assets, as it is not considered a meaningful measure of performance for this asset class.

(2) Investment income from fixed maturity securities AFS includes amounts from FVO Securities of \$11 million and \$25 million for the three months and nine months ended September 30, 2018, respectively, and \$16 million and \$61 million for the three months and nine months ended September 30, 2017, respectively.

(3) Investment income from fixed maturity securities AFS and mortgage loans includes prepayment fees.

(4) See “— Non-GAAP and Other Financial Disclosures” for discussion of divested businesses.

See “— Results of Operations — Consolidated Results — Adjusted Earnings” for an analysis of the period over period change in investment portfolio results.





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## Fixed Maturity Securities AFS and Equity Securities

The following table presents fixed maturity securities AFS and equity securities by type (public or private) and information about perpetual and redeemable securities held at:

	September 30, 2018		December 31, 2017		
	Estimated Fair Value	% of Total	Estimated Fair Value	% of Total	
	(Dollars in millions)				
Fixed maturity securities AFS					
Publicly-traded	\$257,102	84.3	% \$262,078	84.8	%
Privately-placed	47,738	15.7	46,853	15.2	
Total fixed maturity securities AFS	\$304,840	100.0	% \$308,931	100.0	%
Percentage of cash and invested assets	67.4	%	67.6	%	
Equity securities					
Publicly-traded	\$1,320	89.2	% \$1,490	59.3	%
Privately-held	159	10.8	1,023	40.7	
Total equity securities	\$1,479	100.0	% \$2,513	100.0	%
Percentage of cash and invested assets	0.3	%	0.6	%	
Perpetual securities included within fixed maturity securities AFS and equity securities	\$384		\$440		
Redeemable preferred stock with a stated maturity included within fixed maturity securities AFS	\$562		\$884		

Perpetual securities are included within fixed maturity securities AFS and equity securities. Upon acquisition, we classify perpetual securities that have attributes of both debt and equity as fixed maturity securities AFS if the securities have an interest rate step-up feature which, when combined with other qualitative factors, indicates that the securities have more debt-like characteristics; while those with more equity-like characteristics are classified as equity securities. Many of such securities, commonly referred to as “perpetual hybrid securities,” have been issued by non-U.S. financial institutions that are accorded the highest two capital treatment categories by their respective regulatory bodies (i.e. core capital, or “Tier 1 capital” and perpetual deferrable securities, or “Upper Tier 2 capital”).

Redeemable preferred stock with a stated maturity is included within fixed maturity securities AFS. These securities, which are commonly referred to as “capital securities,” primarily have cumulative interest deferral features and are primarily issued by U.S. financial institutions.

In connection with our investment management business, we manage a broad array of securities, limited partnership interests and liquid investments on behalf of unaffiliated/third party clients. Assets managed for these clients, by sector, primarily fixed maturity securities AFS, at estimated fair value, were as follows: investment grade corporates, including publicly-traded and privately-placed corporates, privately-placed infrastructure, state and political subdivision, emerging market and bank syndication loans, \$69.5 billion and \$66.6 billion at September 30, 2018 and December 31, 2017, respectively; structured finance securities, including residential mortgage-backed securities (“RMBS”), commercial mortgage-backed securities (“CMBS”) and asset-backed securities (“ABS”) (collectively, “Structured Securities”), \$17.6 billion and \$15.8 billion at September 30, 2018 and December 31, 2017, respectively; U.S. government and agency securities, \$17.5 billion and \$21.7 billion at September 30, 2018 and December 31, 2017, respectively; foreign government securities, including emerging market, \$1.4 billion and \$2.1 billion at September 30, 2018 and December 31, 2017, respectively; below investment grade corporate securities, including privately-placed corporates, privately-placed infrastructure, emerging market, high yield and bank syndication loans, \$7.2 billion and \$7.7 billion at September 30, 2018 and December 31, 2017, respectively; equity securities, \$0.4 billion and \$0.3 billion at September 30, 2018 and December 31, 2017, respectively; other limited partnership interests, \$1.8 billion and \$1.7 billion at September 30, 2018 and December 31, 2017, respectively; and short-term investments and cash equivalents, \$2.1 billion and \$3.0 billion at September 30, 2018 and December 31, 2017, respectively.



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Also in connection with our investment management business, we manage index investment portfolios that track the return of industry fixed income and equity market indices such as the Bloomberg Barclay's U.S. Aggregate Bond Index and S&P 500® Index. These index investment portfolio assets had an estimated fair value of \$28.2 billion and \$28.5 billion at September 30, 2018 and December 31, 2017, respectively. Index investment portfolios included within separate account assets in our interim condensed consolidated financial statements were \$14.7 billion and \$14.9 billion at September 30, 2018 and December 31, 2017, respectively. The index investment portfolios we manage on behalf of our unaffiliated/third party clients were \$13.5 billion and \$13.6 billion at September 30, 2018 and December 31, 2017, respectively, and are not included in our interim condensed consolidated financial statements. The index investment portfolios we manage on behalf of our unaffiliated/third party clients, by sector, including fixed maturity securities AFS, at estimated fair value, were as follows: investment grade corporate securities, including publicly-traded corporates, \$734 million and \$794 million at September 30, 2018 and December 31, 2017, respectively; structured finance securities, \$786 million and \$828 million at September 30, 2018 and December 31, 2017, respectively; U.S. government and agency securities, \$1.1 billion at both September 30, 2018 and December 31, 2017; equity securities, \$10.4 billion at both September 30, 2018 and December 31, 2017; and short-term investments and cash equivalents, \$495 million and \$517 million at September 30, 2018 and December 31, 2017, respectively. See also "Management's Discussion and Analysis of Financial Condition and Results of Operations — Investments — Fixed Maturity and Equity Securities AFS — Valuation of Securities" included in the 2017 Annual Report for further information on the processes used to value securities and the related controls.

**Fair Value of Fixed Maturity Securities AFS and Equity Securities**

Fixed maturity securities AFS and equity securities measured at estimated fair value on a recurring basis and their corresponding fair value pricing sources are as follows:

	September 30, 2018			
	Fixed Maturity Securities AFS		Equity Securities	
	(Dollars in millions)			
Level 1				
Quoted prices in active markets for identical assets	\$25,246	8.3 %	\$941	63.6 %
Level 2				
Independent pricing sources	261,916	85.9	60	4.1
Internal matrix pricing or discounted cash flow techniques	2,989	1.0	35	2.4
Significant other observable inputs	264,905	86.9	95	6.5
Level 3				
Independent pricing sources	10,422	3.4	332	22.4
Internal matrix pricing or discounted cash flow techniques	3,840	1.3	107	7.2
Independent broker quotations	427	0.1	4	0.3
Significant unobservable inputs	14,689	4.8	443	29.9
Total estimated fair value	\$304,840	100.0%	\$1,479	100.0%

See Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements for the fixed maturity securities AFS and equity securities fair value hierarchy.

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The composition of fair value pricing sources for and significant changes in Level 3 securities at September 30, 2018 are as follows:

The majority of the Level 3 fixed maturity securities AFS and equity securities were concentrated in three sectors: U.S. corporate securities, foreign corporate securities and RMBS.

Level 3 fixed maturity securities AFS are priced principally through market standard valuation methodologies, independent pricing services and, to a much lesser extent, independent non-binding broker quotations using inputs that are not market observable or cannot be derived principally from or corroborated by observable market data. Level 3 fixed maturity securities AFS consist of less liquid securities with very limited trading activity or where less price transparency exists around the inputs to the valuation methodologies. Level 3 fixed maturity securities AFS include: sub-prime RMBS; certain below investment grade private U.S. and foreign corporate securities; less liquid investment grade U.S. and foreign corporate securities and less liquid ABS and foreign government securities.

During the three months ended September 30, 2018, Level 3 fixed maturity securities AFS decreased by \$773 million, or 5%. The decrease was driven by transfers out of Level 3 in excess of transfers into Level 3, partially offset by purchases in excess of sales.

During the nine months ended September 30, 2018, Level 3 fixed maturity securities AFS decreased by \$1.6 billion, or 10%. The decrease was driven by transfers out of Level 3 in excess of transfers into Level 3, partially offset by purchases in excess of sales.

See Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements for a rollforward of the fair value measurements for fixed maturity securities AFS and equity securities measured at estimated fair value on a recurring basis using significant unobservable (Level 3) inputs; transfers into and/or out of Level 3; and further information about the valuation approaches and inputs by level by major classes of invested assets that affect the amounts reported above. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Summary of Critical Accounting Estimates — Estimated Fair Value of Investments” included in the 2017 Annual Report for further information on the estimates and assumptions that affect the amounts reported above.

#### Fixed Maturity Securities AFS

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information about fixed maturity securities AFS by sector, contractual maturities and continuous gross unrealized losses.

#### Fixed Maturity Securities AFS Credit Quality — Ratings

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Investments — Fixed Maturity and Equity Securities AFS — Fixed Maturity Securities Credit Quality — Ratings” included in the 2017 Annual Report for a discussion of the credit quality ratings assigned by Nationally Recognized Statistical Rating Organizations (“NRSRO”), credit quality designations assigned by and methodologies used by the Securities Valuation Office of the NAIC for fixed maturity securities AFS and the revised methodologies adopted by the NAIC for certain Structured Securities.

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The following table presents total fixed maturity securities AFS by NRSRO rating and the applicable NAIC designation from the NAIC published comparison of NRSRO ratings to NAIC designations, except for certain Structured Securities, which are presented using the revised NAIC methodologies, as well as the percentage, based on estimated fair value that each NAIC designation is comprised of at:

NAIC Designation	NRSRO Rating	September 30, 2018				December 31, 2017			
		Amortized Cost	Unrealized Gain (Loss)	Estimated Fair Value	% of Total	Amortized Cost	Unrealized Gain (Loss)	Estimated Fair Value	% of Total
(Dollars in millions)									
1	Aaa/Aa/A	\$204,365	\$9,533	\$213,898	70.2 %	\$201,806	\$17,024	\$218,830	70.8 %
2	Baa	72,177	1,882	74,059	24.3	67,270	5,126	72,396	23.4
	Subtotal investment grade	276,542	11,415	287,957	94.5	269,076	22,150	291,226	94.2
3	Ba	10,769	273	11,042	3.6	11,155	556	11,711	3.8
4	B	5,113	(51)	5,062	1.7	5,004	151	5,155	1.7
5	Caa and lower	819	(64)	755	0.2	824	9	833	0.3
6	In or near default	25	(1)	24	—	10	(4)	6	—
	Subtotal below investment grade	16,726	157	16,883	5.5	16,993	712	17,705	5.8
	Total fixed maturity securities AFS	\$293,268	\$11,572	\$304,840	100.0%	\$286,069	\$22,862	\$308,931	100.0%

The following tables present total fixed maturity securities AFS, based on estimated fair value, by sector and by NRSRO rating and the applicable NAIC designations from the NAIC published comparison of NRSRO ratings to NAIC designations, except for certain Structured Securities, which are presented using the revised NAIC methodologies:

NAIC Designation:	Fixed Maturity Securities AFS — by Sector & Credit Quality Rating							Total Estimated Fair Value
	1	2	3	4	5	6		
NRSRO Rating:	Aaa/Aa/A	Baa	Ba	B	Caa and Lower	In or Near Default		
(Dollars in millions)								
September 30, 2018								
U.S. corporate	\$36,655	\$37,051	\$5,977	\$3,498	\$614	\$ —		\$83,795
Foreign government	52,469	5,125	2,234	639	4	1		60,472
Foreign corporate	21,151	29,724	2,449	817	79	—		54,220
U.S. government and agency	45,142	430	—	—	—	—		45,572
RMBS	26,959	463	104	97	12	23		27,658
State and political subdivision	11,073	478	38	11	—	—		11,600
ABS	11,873	708	231	—	3	—		12,815
CMBS	8,576	80	9	—	43	—		8,708
Total fixed maturity securities AFS	\$213,898	\$74,059	\$11,042	\$5,062	\$755	\$24		\$304,840
Percentage of total	70.2 %	24.3 %	3.6 %	1.7 %	0.2 %	— %		100.0 %
December 31, 2017								
U.S. corporate	\$37,305	\$35,096	\$6,153	\$3,387	\$717	\$3		\$82,661
Foreign government	53,027	5,135	2,376	947	49	—		61,534
Foreign corporate	21,925	30,214	2,616	759	55	—		55,569
U.S. government and agency	47,067	327	—	—	—	—		47,394
RMBS	28,209	297	224	61	9	—		28,800
State and political subdivision	11,921	454	78	—	—	2		12,455
ABS	11,311	760	215	1	3	1		12,291

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CMBS	8,065	113	49	—	—	—	8,227
Total fixed maturity securities AFS	\$218,830	\$72,396	\$11,711	\$5,155	\$833	\$ 6	\$308,931
Percentage of total	70.8	% 23.4	% 3.8	% 1.7	% 0.3	% —	% 100.0

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## U.S. and Foreign Corporate Fixed Maturity Securities AFS

We maintain a diversified portfolio of corporate fixed maturity securities AFS across industries and issuers. This portfolio does not have any exposure to any single issuer in excess of 1% of total investments and the top 10 holdings comprised 2% and 1% of total investments at September 30, 2018 and December 31, 2017, respectively. The tables below present our U.S. and foreign corporate securities holdings by industry at:

	September 30, 2018		December 31, 2017	
	Estimated Fair Value	% of Total	Estimated Fair Value	% of Total
	(Dollars in millions)			
Industrial	\$41,858	30.3 %	\$42,273	30.6 %
Consumer	30,960	22.4	31,419	22.7
Finance	30,730	22.3	29,884	21.6
Utility	22,043	16.0	21,773	15.8
Communications	10,640	7.7	11,072	8.0
Other	1,784	1.3	1,809	1.3
Total	\$138,015	100.0%	\$138,230	100.0%

## Structured Securities

We held \$49.2 billion and \$49.3 billion of Structured Securities, at estimated fair value, at September 30, 2018 and December 31, 2017, respectively, as presented in the RMBS, ABS and CMBS sections below.

## RMBS

Our RMBS holdings by security type, risk profile and ratings profile are as follows at:

	September 30, 2018			December 31, 2017		
	Estimated Fair Value	% of Total	Net Unrealized Gains (Losses)	Estimated Fair Value	% of Total	Net Unrealized Gains (Losses)
	(Dollars in millions)					
By security type:						
Collateralized mortgage obligations	\$14,953	54.1 %	\$ 569	\$15,388	53.4 %	\$ 913
Pass-through securities	12,705	45.9	(338)	13,412	46.6	41
Total RMBS	\$27,658	100.0%	\$ 231	\$28,800	100.0%	\$ 954
By risk profile:						
Agency	\$19,359	70.0 %	\$ (409)	\$20,010	69.5 %	\$ 274
Prime	1,336	4.8	53	1,209	4.2	73
Alt-A	3,661	13.2	347	4,182	14.5	372
Sub-prime	3,302	12.0	240	3,399	11.8	235
Total RMBS	\$27,658	100.0%	\$ 231	\$28,800	100.0%	\$ 954
Ratings profile:						
Rated Aaa/AAA	\$20,218	73.1 %		\$20,465	71.1 %	
Designated NAIC 1	\$26,959	97.5 %		\$28,209	97.9 %	

See also "Management's Discussion and Analysis of Financial Condition and Results of Operations — Investments — Fixed Maturity and Equity Securities AFS — Structured Securities — RMBS" included in the 2017 Annual Report for further information about collateralized mortgage obligations and pass-through mortgage-backed securities, as well as agency, prime, alternative residential mortgage loan ("Alt-A") and sub-prime RMBS.

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Historically, we have managed our exposure to sub-prime RMBS holdings by focusing primarily on senior tranche securities, stress testing the portfolio with severe loss assumptions and closely monitoring the performance of the portfolio. Our sub-prime RMBS portfolio consists predominantly of securities that were purchased after 2012 at significant discounts to par value and discounts to the expected principal recovery value of these securities. The vast majority of these securities are investment grade under the NAIC designations (e.g., NAIC 1 and NAIC 2). At September 30, 2018 and December 31, 2017, the estimated fair value of our sub-prime RMBS holdings purchased since 2012 was \$3.0 billion and \$3.1 billion and unrealized gains (losses) were \$212 million and \$200 million, respectively.

**ABS**

Our ABS holdings are diversified both by collateral type and by issuer. The following table presents our ABS holdings by collateral type and ratings profile at:

	September 30, 2018			December 31, 2017		
	Estimated Fair Value	% of Total	Net Unrealized Gains (Losses)	Estimated Fair Value	% of Total	Net Unrealized Gains (Losses)
	(Dollars in millions)					
By collateral type:						
Collateralized obligations	\$7,236	56.5 %	\$ 17	\$5,703	46.4 %	\$ 45
Credit card loans	527	4.1	1	1,686	13.7	1
Student loans	1,325	10.3	11	1,266	10.3	(1 )
Automobile loans	990	7.7	(3 )	1,193	9.7	—
Foreign residential loans	1,083	8.5	14	965	7.9	20
Consumer loans	514	4.0	—	605	4.9	6
Other loans	1,140	8.9	—	873	7.1	7
Total	\$12,815	100.0%	\$ 40	\$12,291	100.0%	\$ 78
Ratings profile:						
Rated Aaa/AAA	\$7,223	56.4 %		\$7,108	57.8 %	
Designated NAIC 1	\$11,873	92.6 %		\$11,311	92.0 %	



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## CMBS

Our CMBS holdings are diversified by vintage year. The following tables present our CMBS holdings by NRSRO rating and by vintage year at:

September 30, 2018

	Aaa		Aa		A		Baa		Below Investment Grade		Total	
	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value
	(Dollars in millions)											
2003 - 2011	\$268	\$282	\$50	\$50	\$—	\$—	\$—	\$—	\$—	\$—	\$318	\$332
2012	248	252	240	237	232	229	6	7	—	—	726	725
2013	724	745	648	662	289	284	—	—	60	44	1,721	1,735
2014	428	425	504	498	130	128	—	—	—	—	1,062	1,051
2015	573	557	89	87	34	34	—	—	—	—	696	678
2016	340	331	74	70	45	45	—	—	—	—	459	446
2017	951	932	657	644	240	236	38	38	—	—	1,886	1,850
2018	1,110	1,108	513	512	250	249	22	22	—	—	1,895	1,891
Total	\$4,642	\$4,632	\$2,775	\$2,760	\$1,220	\$1,205	\$66	\$67	\$60	\$44	\$8,763	\$8,708
Ratings Distribution		53.2 %		31.7 %		13.8 %		0.8 %		0.5 %		100.0 %

December 31, 2017

	Aaa		Aa		A		Baa		Below Investment Grade		Total	
	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value
	(Dollars in millions)											
2003 - 2011	\$286	\$308	\$38	\$40	\$22	\$23	\$15	\$15	\$—	\$—	\$361	\$386
2012	289	302	257	263	230	237	7	7	—	—	783	809
2013	787	835	717	748	285	292	60	45	—	—	1,849	1,920
2014	537	552	513	522	129	130	—	—	—	—	1,179	1,204
2015	1,122	1,140	191	196	117	120	—	—	—	—	1,430	1,456
2016	401	404	69	68	40	40	65	66	—	—	575	578
2017	898	899	685	687	246	246	41	42	—	—	1,870	1,874
Total	\$4,320	\$4,440	\$2,470	\$2,524	\$1,069	\$1,088	\$188	\$175	\$—	\$—	\$8,047	\$8,227
Ratings Distribution		54.0 %		30.7 %		13.2 %		2.1 %		— %		100.0 %

The tables above reflect NRSRO ratings including Moody's Investors Service, S&P, Fitch Ratings and Morningstar, Inc. CMBS designated NAIC 1 were 98.5% and 98.0% of total CMBS at September 30, 2018 and December 31, 2017, respectively.

Evaluation of Fixed Maturity Securities AFS for OTTI and Evaluating Temporarily Impaired Fixed Maturity Securities AFS

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information about the evaluation of fixed maturity securities AFS for other-than-temporary impairment ("OTTI") and evaluation of temporarily impaired AFS securities.

OTTI Losses on Fixed Maturity Securities AFS Recognized in Earnings

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information about OTTI losses and gross gains and gross losses on fixed maturity securities AFS sold.

Overview of Fixed Maturity Security AFS OTTI Losses Recognized in Earnings

Impairments of fixed maturity securities AFS were \$17 million for both the three months and nine months ended September 30, 2018, and \$5 million and \$7 million for the three months and nine months ended September 30, 2017, respectively.

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Credit-related impairments of fixed maturity securities AFS were \$17 million for both the three months and nine months ended September 30, 2018, and \$5 million and \$7 million for the three months and nine months ended September 30, 2017, respectively.

Overall OTTI losses recognized in earnings on fixed maturity securities AFS were \$17 million for both the three months and nine months ended September 30, 2018, as compared to \$5 million and \$7 million for the three months and nine months ended September 30, 2017, respectively. The increase was primarily due to \$9 million of OTTI losses on Argentine foreign government securities due to the weakening Argentine peso.

**Future Impairments**

Future OTTI on fixed maturity securities AFS will depend primarily on economic fundamentals, issuer performance (including changes in the present value of future cash flows expected to be collected), and changes in credit ratings, collateral valuation, interest rates and credit spreads. If economic fundamentals deteriorate or if there are adverse changes in the above factors, OTTI may be incurred in upcoming periods.

**Contractholder-Directed Equity Securities and Fair Value Option Securities**

The estimated fair value of Unit-linked and FVO Securities was \$13.5 billion and \$16.7 billion, or 3.0% and 3.7% of cash and invested assets, at September 30, 2018 and December 31, 2017, respectively. Unit-linked and FVO Securities are primarily comprised of Unit-linked investments. See Notes 6 and 8 of the Notes to the Interim Condensed Consolidated Financial Statements for a description of our Unit-linked and FVO Securities portfolio, the Unit-linked and FVO Securities fair value hierarchy and a rollforward of the fair value measurements for Unit-linked and FVO Securities measured at estimated fair value on a recurring basis using significant unobservable (Level 3) inputs.

**Securities Lending**

We participate in a securities lending program whereby securities are loaned to third parties, primarily brokerage firms and commercial banks. We obtain collateral, usually cash, in an amount generally equal to 102% of the estimated fair value of the securities loaned, which is obtained at the inception of a loan and maintained at a level greater than or equal to 100% for the duration of the loan. We monitor the estimated fair value of the securities loaned on a daily basis with additional collateral obtained as necessary throughout the duration of the loan. Securities loaned under such transactions may be sold or re-pledged by the transferee. We are liable to return to our counterparties the cash collateral under our control. Security collateral received from counterparties may not be sold or re-pledged, unless the counterparty is in default, and is not reflected on the consolidated financial statements. These transactions are treated as financing arrangements and the associated cash collateral liability is recorded at the amount of the cash received. See “— Liquidity and Capital Resources — The Company — Liquidity and Capital Uses — Securities Lending” and Note 6 of Notes to the Interim Condensed Consolidated Financial Statements for information regarding our securities lending program.

**Repurchase Agreements**

The Company participates in short-term repurchase agreements with unaffiliated financial institutions. Under these agreements, the Company lends fixed maturity securities AFS and receives cash as collateral in an amount generally equal to 98% of the estimated fair value of the securities loaned at the inception of the transaction. The associated liability is recorded at the amount of cash received. The Company monitors the estimated fair value of the collateral and the securities loaned throughout the duration of the transaction and additional collateral is obtained as necessary. Securities loaned under such transactions may be sold or re-pledged by the transferee.

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for additional information regarding our repurchase agreements.

**FHLB of Boston Advance Agreements**

A subsidiary of the Company participates in short-term advance agreements with the Federal Home Loan Bank of Boston (“FHLB of Boston”). Under these agreements, the Company pledges fixed maturity securities AFS and receives cash. The associated liability is recorded at the amount of cash received. The FHLB of Boston has minimum collateral requirements which vary depending on the type of collateral pledged. Securities pledged under such transactions may not be sold or re-pledged by the transferee.

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding our FHLB of Boston advance agreement transactions.



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## Mortgage Loans

Our mortgage loans are principally collateralized by commercial, agricultural and residential properties. Mortgage loans and the related valuation allowances are summarized as follows at:

	September 30, 2018			December 31, 2017		
	Recorded Investment	% of total	Valuation Allowance	% of Recorded Investment	Recorded Investment	% of Recorded Investment
(Dollars in millions)						
Commercial	\$47,460	65.5 %	\$ 232	0.5 %	\$44,375	64.8 %
Agricultural	13,677	18.9	42	0.3 %	13,014	19.0
Residential	11,337	15.6	62	0.5 %	11,136	16.2
Total	\$72,474	100.0%	\$ 336	0.5 %	\$68,525	100.0%

The information presented in the tables herein exclude mortgage loans where we elected the FVO which are presented in Notes 6 and 8 of the Notes to the Interim Condensed Consolidated Financial Statements. The carrying value of all mortgage loans, net of valuation allowance was 16.0% and 15.0% of cash and invested assets at September 30, 2018 and December 31, 2017, respectively.

We diversify our mortgage loan portfolios by both geographic region and property type to reduce the risk of concentration. Of our commercial and agricultural mortgage loan portfolios, 83% are collateralized by properties located in the United States, with the remaining 17% collateralized by properties located outside the United States, which includes 6% collateralized by properties located in the U.K., at September 30, 2018. The carrying values of our commercial and agricultural mortgage loans collateralized by properties located in California, New York and Texas were 19%, 11% and 7%, respectively, of total commercial and agricultural mortgage loans at September 30, 2018. Additionally, we manage risk when originating commercial and agricultural mortgage loans by generally lending up to 75% of the estimated fair value of the underlying real estate collateral.

We manage our residential mortgage loan portfolio in a similar manner to reduce risk of concentration, with 91% collateralized by properties located in the United States and the remaining 9% collateralized by properties located outside the United States at September 30, 2018. The carrying values of our residential mortgage loans collateralized by properties located in California, Florida, and New York were 31%, 9%, and 6%, respectively, of total residential mortgage loans at September 30, 2018.

In connection with our investment management business, we manage commercial, agricultural and residential mortgage loans on behalf of unaffiliated/third party clients. These commercial, agricultural and residential mortgage loans had an estimated fair value of \$16.6 billion and \$14.7 billion at September 30, 2018 and December 31, 2017, respectively. As these assets are managed on behalf of, and owned by, our unaffiliated/third party clients, they are not included in our interim condensed consolidated financial statements.

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Commercial Mortgage Loans by Geographic Region and Property Type. Commercial mortgage loans are the largest component of the mortgage loan invested asset class. The tables below present the diversification across geographic regions and property types of commercial mortgage loans at:

Region	September 30, 2018		December 31, 2017	
	Amount	% of Total	Amount	% of Total
(Dollars in millions)				
Pacific	\$10,878	22.9 %	\$ 9,875	22.3 %
International	9,497	20.0	9,101	20.5
Middle Atlantic	7,434	15.7	7,231	16.3
South Atlantic	5,789	12.2	5,311	12.0
West South Central	4,001	8.4	3,819	8.6
East North Central	2,768	5.8	2,683	6.0
Mountain	1,378	2.9	1,188	2.7
New England	1,141	2.4	901	2.0
East South Central	1,072	2.3	840	1.9
West North Central	596	1.3	477	1.1
Multi-Region and Other	2,906	6.1	2,949	6.6
Total recorded investment	47,460	100.0%	44,375	100.0 %
Less: valuation allowances	232		214	
Carrying value, net of valuation allowances	\$47,228		\$ 44,161	
Property Type				
Office	\$24,096	50.8 %	\$ 22,602	50.9 %
Retail	8,701	18.3	8,032	18.1
Apartment	6,416	13.5	6,113	13.8
Hotel	3,327	7.0	3,620	8.2
Industrial	3,775	8.0	3,125	7.0
Other	1,145	2.4	883	2.0
Total recorded investment	47,460	100.0%	44,375	100.0 %
Less: valuation allowances	232		214	
Carrying value, net of valuation allowances	\$47,228		\$ 44,161	

Mortgage Loan Credit Quality - Monitoring Process. We monitor our mortgage loan investments on an ongoing basis, including a review of loans that are current, past due, restructured and under foreclosure. See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for tables that present mortgage loans by credit quality indicator, past due and nonaccrual mortgage loans, as well as impaired mortgage loans. See “— Real Estate and Real Estate Joint Ventures” for real estate acquired through foreclosure.

We review our commercial mortgage loans on an ongoing basis. These reviews may include an analysis of the property financial statements and rent roll, lease rollover analysis, property inspections, market analysis, estimated valuations of the underlying collateral, loan-to-value ratios, debt service coverage ratios and tenant creditworthiness. The monitoring process focuses on higher risk loans, which include those that are classified as restructured, delinquent or in foreclosure, as well as loans with higher loan-to-value ratios and lower debt service coverage ratios. The monitoring process for agricultural mortgage loans is generally similar, with a focus on higher risk loans, such as loans with higher loan-to-value ratios, including reviews on a geographic and sector basis. We review our residential mortgage loans on an ongoing basis. See Note 8 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for information on our evaluation of residential mortgage loans and related valuation allowance methodology.



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Loan-to-value ratios and debt service coverage ratios are common measures in the assessment of the quality of commercial mortgage loans. Loan-to-value ratios are a common measure in the assessment of the quality of agricultural mortgage loans. Loan-to-value ratios compare the amount of the loan to the estimated fair value of the underlying collateral. A loan-to-value ratio greater than 100% indicates that the loan amount is greater than the collateral value. A loan-to-value ratio of less than 100% indicates an excess of collateral value over the loan amount. Generally, the higher the loan-to-value ratio, the higher the risk of experiencing a credit loss. The debt service coverage ratio compares a property's net operating income to amounts needed to service the principal and interest due under the loan. Generally, the lower the debt service coverage ratio, the higher the risk of experiencing a credit loss. For our commercial mortgage loans, our average loan-to-value ratio was 54% at both September 30, 2018 and December 31, 2017, and our average debt service coverage ratio was 2.6.x and 2.7x for September 30, 2018 and December 31, 2017, respectively. The debt service coverage ratio, as well as the values utilized in calculating the ratio, is updated annually, on a rolling basis, with a portion of the portfolio updated each quarter. In addition, the loan-to-value ratio is routinely updated for all but the lowest risk loans as part of our ongoing review of our commercial mortgage loan portfolio. For our agricultural mortgage loans, our average loan-to-value ratio was 45% and 44% at September 30, 2018 and December 31, 2017, respectively. The values utilized in calculating the agricultural mortgage loan loan-to-value ratio are developed in connection with the ongoing review of the agricultural loan portfolio and are routinely updated.

**Mortgage Loan Valuation Allowances.** Our valuation allowances are established both on a loan specific basis for those loans considered impaired where a property specific or market specific risk has been identified that could likely result in a future loss, as well as for pools of loans with similar risk characteristics where a property specific or market specific risk has not been identified, but for which we expect to incur a loss. Accordingly, a valuation allowance is provided to absorb these estimated probable credit losses.

The determination of the amount of valuation allowances is based upon our periodic evaluation and assessment of known and inherent risks associated with our loan portfolios. Such evaluations and assessments are based upon several factors, including our experience for loan losses, defaults and loss severity, and loss expectations for loans with similar risk characteristics. These evaluations and assessments are revised as conditions change and new information becomes available, which can cause the valuation allowances to increase or decrease over time as such evaluations are revised. Negative credit migration, including an actual or expected increase in the level of problem loans, will result in an increase in the valuation allowance. Positive credit migration, including an actual or expected decrease in the level of problem loans, will result in a decrease in the valuation allowance.

See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information about how valuation allowances are established and monitored, and activity in and balances of the valuation allowance, as of and for the nine months ended September 30, 2018 and 2017.

**Real Estate and Real Estate Joint Ventures**

Real estate and real estate joint ventures is comprised of wholly-owned real estate and joint ventures with interests in single property income-producing real estate and, to a lesser extent, joint ventures with interests in multi-property projects with varying strategies ranging from the development of properties to the operation of income-producing properties, as well as a run-off portfolio of real estate private equity funds. We diversify our real estate investments by both geographic region and property type to reduce risk of concentration. The carrying values of real estate and real estate joint ventures were \$10.0 billion and \$9.6 billion, or 2.2% and 2.1% of cash and invested assets, at September 30, 2018 and December 31, 2017, respectively. The estimated fair value of our real estate investments was \$15.8 billion and \$14.9 billion at September 30, 2018 and December 31, 2017, respectively. The total gross market value of such real estate investments was \$20.0 billion and \$19.1 billion at September 30, 2018 and December 31, 2017, respectively. Gross market value is the total fair value of these investments regardless of encumbering debt. In connection with our investment management business, we manage commercial real estate investments on behalf of unaffiliated/third party clients. These commercial real estate investments had an estimated fair value of \$6.3 billion and \$5.2 billion at September 30, 2018 and December 31, 2017, respectively. The total gross market value of these commercial real estate investments was \$8.1 billion and \$6.7 billion at September 30, 2018 and December 31, 2017, respectively. As these assets are managed on behalf of, and owned by, our unaffiliated/third party clients, they are not



included in our interim condensed consolidated financial statements.

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## Other Limited Partnership Interests

Other limited partnership interests are comprised of private equity funds and hedge funds. At September 30, 2018 and December 31, 2017, the carrying value of other limited partnership interests was \$6.4 billion and \$5.7 billion, or 1.4% and 1.3% of cash and invested assets, which included \$659 million and \$643 million of hedge funds, respectively.

Cash distributions on these investments are generated from investment gains, operating income from the underlying investments of the funds and liquidation of the underlying investments of the funds. We estimate that the underlying investments of the funds will be liquidated over the next two to 10 years.

## Other Invested Assets

The following table presents the carrying value of our other invested assets by type at:

	September 30, 2018		December 31, 2017	
	Carrying Value	% of Total	Carrying Value	% of Total
	(Dollars in millions)			
Freestanding derivatives with positive estimated fair values	\$7,288	44.6 %	\$8,551	49.5 %
Tax credit and renewable energy partnerships	2,528	15.5	3,167	18.3
Direct financing leases	1,314	8.0	1,323	7.7
Annuities funding structured settlement claims (1)	1,281	7.8	1,284	7.4
Leveraged leases, net of non-recourse debt	1,126	6.9	1,278	7.4
Federal Home Loan Bank common stock (2)	793	4.9	—	—
Operating joint ventures	613	3.8	539	3.1
Funds withheld	300	1.8	298	1.7
Other	1,093	6.7	823	4.8
Total	\$16,336	100.0%	\$17,263	100.0%
Percentage of cash and invested assets	3.6	%	3.8	%

(1) See Note 3 of the Notes to the Interim Condensed Consolidated Financial Statements.

(2) See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements.

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### Derivatives

#### Derivative Risks

We are exposed to various risks relating to our ongoing business operations, including interest rate, foreign currency exchange rate, credit and equity market. We use a variety of strategies to manage these risks, including the use of derivatives. See Note 7 of the Notes to the Interim Condensed Consolidated Financial Statements for:

• A comprehensive description of the nature of our derivatives, including the strategies for which derivatives are used in managing various risks.

• Information about the gross notional amount, estimated fair value, and primary underlying risk exposure of our derivatives by type of hedge designation, excluding embedded derivatives held at September 30, 2018 and December 31, 2017.

• The statement of operations effects of derivatives in net investments in foreign operations, cash flow, fair value, or nonqualifying hedge relationships for the three months and nine months ended September 30, 2018 and 2017.

See “Quantitative and Qualitative Disclosures About Market Risk — Management of Market Risk Exposures — Hedging Activities” included in the 2017 Annual Report for more information about our use of derivatives by major hedge program.

#### Fair Value Hierarchy

See Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements for derivatives measured at estimated fair value on a recurring basis and their corresponding fair value hierarchy.

The valuation of Level 3 derivatives involves the use of significant unobservable inputs and generally requires a higher degree of management judgment or estimation than the valuations of Level 1 and Level 2 derivatives. Although Level 3 inputs are unobservable, management believes they are consistent with what other market participants would use when pricing such instruments and are considered appropriate given the circumstances. The use of different inputs or methodologies could have a material effect on the estimated fair value of Level 3 derivatives and could materially affect net income.

Derivatives categorized as Level 3 at September 30, 2018 include: interest rate forwards with maturities which extend beyond the observable portion of the yield curve; interest rate total return swaps with unobservable repurchase rates; foreign currency swaps and forwards with certain unobservable inputs, including the unobservable portion of the yield curve; credit default swaps priced using unobservable credit spreads, or that are priced through independent broker quotations; equity variance swaps with unobservable volatility inputs; and equity index options with unobservable correlation inputs. At September 30, 2018, less than 1% of the estimated fair value of our derivatives was priced through independent broker quotations.

See Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements for a rollforward of the fair value measurements for derivatives measured at estimated fair value on a recurring basis using significant unobservable (Level 3) inputs.

The gain (loss) on Level 3 derivatives primarily relates to interest rate total return swaps with unobservable repurchase rates, certain purchased equity index options that are valued using models dependent on an unobservable market correlation input, equity variance swaps that are valued using an unobservable equity variance spread, interest rate forwards with maturities which extend beyond the observable portion of the yield curve, and foreign currency swaps and forwards that are valued using unobservable inputs, including the unobservable portion of the swap yield curves. The gain (loss) on Level 3 derivatives also reflects observable inputs, including equity index levels, equity volatility and the swap yield curves. We validate the reasonableness of these inputs by valuing the positions using internal models and comparing the results to counterparty valuations.

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The gain (loss) on Level 3 derivatives, percentage of gain (loss) attributable to observable and unobservable inputs, and the primary drivers of observable gain (loss) are summarized as follows:

	Three Months Ended September 30, 2018	Nine Months Ended September 30, 2018
Gain (loss) recognized in net income (loss)	(\$70)	(\$151)
Percentage of gain (loss) attributable to observable inputs	69%	83%
Primary drivers of observable gain (loss)	Increases in interest rates on interest rate total return swaps and, to a lesser extent, increases in certain equity index levels on equity derivatives.	Increases in interest rates on interest rate total return swaps and, to a lesser extent, increases in certain equity index levels on equity derivatives.
Percentage of gain (loss) attributable to unobservable inputs	31%	17%

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Summary of Critical Accounting Estimates — Derivatives” included in the 2017 Annual Report for further information on the estimates and assumptions that affect derivatives.

**Credit Risk**

See Note 7 of the Notes to the Interim Condensed Consolidated Financial Statements for information about how we manage credit risk related to derivatives and for the estimated fair value of our net derivative assets and net derivative liabilities after the application of master netting agreements and collateral.

Our policy is not to offset the fair value amounts recognized for derivatives executed with the same counterparty under the same master netting agreement. This policy applies to the recognition of derivatives on the consolidated balance sheets, and does not affect our legal right of offset.

**Credit Derivatives**

The following table presents the gross notional amount and estimated fair value of credit default swaps at:

	September 30, 2018		December 31, 2017	
Credit Default Swaps	Gross Notional Amount (In millions)	Estimated Fair Value	Gross Notional Amount	Estimated Fair Value
Purchased	\$1,986	\$ (15 )	\$2,020	\$ (36 )
Written	11,507	221	11,375	271
Total	\$13,493	\$ 206	\$13,395	\$ 235

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The following table presents the gross gains, gross losses and net gains (losses) recognized in net derivative gains (losses) for credit default swaps as follows:

Credit Default Swaps	Three Months Ended September 30, 2018			2017			Nine Months Ended September 30, 2018			2017		
	Gross Gain	Gross Losses	Net Gains (Losses)	Gross Gain	Gross Losses	Net Gains (Losses)	Gross Gain	Gross Losses	Net Gains (Losses)	Gross Gain	Gross Losses	Net Gains (Losses)
	(In millions)											
Purchased (1)	\$—	\$ (9 )	\$ (9 )	\$2	\$ (4 )	\$ (2 )	\$13	\$ (11 )	\$ 2	\$5	\$ (22 )	\$ (17 )
Written (1)	70	—	70	39	(4 )	35	32	(41 )	(9 )	118	(7 )	111
Total	\$70	\$ (9 )	\$ 61	\$41	\$ (8 )	\$ 33	\$45	\$ (52 )	\$ (7 )	\$123	\$ (29 )	\$ 94

(1) Gains (losses) do not include earned income (expense) on credit default swaps.

The favorable change in net gains (losses) on purchased credit default swaps of \$19 million for the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 was due to certain credit spreads on credit default swaps hedging certain bonds widening in the current period as compared to narrowing in the prior period. The unfavorable change in net gains (losses) on written credit default swaps of (\$120) million for the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 was due to certain credit spreads on certain credit default swaps used as replications narrowing less on average in the current period as compared to the prior period.

The maximum amount at risk related to our written credit default swaps is equal to the corresponding gross notional amount. In a replication transaction, we pair an asset on our balance sheet with a written credit default swap to synthetically replicate a corporate bond, a core asset holding of life insurance companies. Replications are entered into in accordance with the guidelines approved by state insurance regulators and the NAIC and are an important tool in managing the overall corporate credit risk within the Company. In order to match our long-dated insurance liabilities, we seek to buy long-dated corporate bonds. In some instances, these may not be readily available in the market, or they may be issued by corporations to which we already have significant corporate credit exposure. For example, by purchasing Treasury bonds (or other high-quality assets) and associating them with written credit default swaps on the desired corporate credit name, we can replicate the desired bond exposures and meet our ALM needs. In addition, given the shorter tenor of the credit default swaps (generally five-year tenors) versus a long dated corporate bond, we have more flexibility in managing our credit exposures.

**Embedded Derivatives**

See Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements for information about embedded derivatives measured at estimated fair value on a recurring basis and their corresponding fair value hierarchy and a rollforward of the fair value measurements for embedded derivatives measured at estimated fair value on a recurring basis using significant unobservable (Level 3) inputs.

See Note 7 of the Notes to the Interim Condensed Consolidated Financial Statements for information about the nonperformance risk adjustment included in the valuation of guaranteed minimum benefits accounted for as embedded derivatives.

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Summary of Critical Accounting Estimates — Derivatives” included in the 2017 Annual Report for further information on the estimates and assumptions that affect embedded derivatives.

**Off-Balance Sheet Arrangements****Credit and Committed Facilities**

We maintain an unsecured revolving credit facility and certain committed facilities with various financial institutions.

See “— Liquidity and Capital Resources — The Company — Liquidity and Capital Sources — Global Funding Sources — Credit and Committed Facilities” for further descriptions of such arrangements. For the classification of expenses on such

revolving credit and committed facilities and the nature of the associated liability for letters of credit issued and drawdowns on these facilities, see Note 12 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

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## Collateral for Securities Lending, Third-Party Custodian Administered Repurchase Programs and Derivatives

We participate in a securities lending program in the normal course of business for the purpose of enhancing the total return on our investment portfolio. Periodically, we receive non-cash collateral for securities lending from counterparties, which cannot be sold or re-pledged, and which has not been recorded on our consolidated balance sheets. The amount of this collateral was \$0 and \$19 million at estimated fair value at September 30, 2018 and December 31, 2017, respectively. See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements and “— Investments — Securities Lending,” as well as “Summary of Significant Accounting Policies — Investments — Securities Lending Program” in Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for a discussion of our securities lending program, the classification of revenues and expenses, and the nature of the secured financing arrangement and associated liability.

We also participate in third-party custodian administered repurchase programs for the purpose of enhancing the total return on our investment portfolio. We loan certain of our fixed maturity securities AFS to financial institutions and, in exchange, non-cash collateral is put on deposit by the financial institutions on our behalf with third-party custodians. The estimated fair value of securities loaned in connection with these transactions was \$176 million and \$182 million at September 30, 2018 and December 31, 2017, respectively. Non-cash collateral on deposit with third-party custodians on our behalf was \$186 million and \$194 million at September 30, 2018 and December 31, 2017, respectively, which cannot be sold or re-pledged, and which has not been recorded on our consolidated balance sheets.

We enter into derivatives to manage various risks relating to our ongoing business operations. We have non-cash collateral from counterparties for derivatives, which can be sold or re-pledged subject to certain constraints, and which has not been recorded on our consolidated balance sheets. The amount of this non-cash collateral was \$1.2 billion and \$1.1 billion at September 30, 2018 and December 31, 2017, respectively. See “— Liquidity and Capital Resources — The Company — Liquidity and Capital Uses — Pledged Collateral” and Note 7 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding the earned income on and the gross notional amount, estimated fair value of assets and liabilities and primary underlying risk exposure of our derivatives.

## Lease Commitments

As lessee, we have entered into various lease and sublease agreements for office space, information technology and other equipment. Our commitments under such lease agreements are included within the contractual obligations table. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — The Company — Contractual Obligations” and Note 20 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

## Guarantees

See “Guarantees” in Note 15 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Other

We enter into the following additional commitments in the normal course of business for the purpose of enhancing the total return on our investment portfolio: mortgage loan commitments and commitments to fund partnerships, bank credit facilities, bridge loans and private corporate bond investments. See “Net Investment Income” and “Net Investment Gains (Losses)” in Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements for information on the investment income, investment expense, and gains and losses from such investments. See also “— Investments — Fixed Maturity Securities AFS” and “— Investments — Mortgage Loans” for information on our investments in fixed maturity securities AFS and mortgage loans. See “— Investments — Real Estate and Real Estate Joint Ventures” and “— Investments — Other Limited Partnership Interests” for information on our partnership investments.

Other than the commitments disclosed in Note 15 of the Notes to the Interim Condensed Consolidated Financial Statements, there are no other material obligations or liabilities arising from the commitments to fund mortgage loans, partnerships, bank credit facilities, bridge loans, and private corporate bond investments.

## Policyholder Liabilities

We establish, and carry as liabilities, actuarially determined amounts that are calculated to meet policy obligations or to provide for future annuity payments. Amounts for actuarial liabilities are computed and reported on the interim condensed consolidated financial statements in conformity with GAAP. For more details on Policyholder Liabilities,

see “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Summary of Critical Accounting Estimates” included in the 2017 Annual Report.

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Due to the nature of the underlying risks and the uncertainty associated with the determination of actuarial liabilities, we cannot precisely determine the amounts that will ultimately be paid with respect to these actuarial liabilities, and the ultimate amounts may vary from the estimated amounts, particularly when payments may not occur until well into the future.

We periodically review our estimates of actuarial liabilities for future benefits and compare them with our actual experience. We revise estimates, to the extent permitted or required under GAAP, if we determine that future expected experience differs from assumptions used in the development of actuarial liabilities. We charge or credit changes in our liabilities to expenses in the period the liabilities are established or re-estimated. If the liabilities originally established for future benefit payments prove inadequate, we must increase them. Such an increase could adversely affect our earnings and have a material adverse effect on our business, results of operations and financial condition. We have experienced, and will likely in the future experience, catastrophe losses and possibly acts of terrorism, as well as turbulent financial markets that may have an adverse impact on our business, results of operations and financial condition. Due to their nature, we cannot predict the incidence, timing, severity or amount of losses from catastrophes and acts of terrorism, but we make broad use of catastrophic and non-catastrophic reinsurance to manage risk from these perils. We also use hedging, reinsurance and other risk management activities to mitigate financial market volatility.

Insurance regulators in many of the non-U.S. jurisdictions in which we operate require certain MetLife entities to prepare a sufficiency analysis of the reserves presented in the locally required regulatory financial statements, and to submit that analysis to the regulatory authorities. See “— Industry Trends — Regulatory Developments” and “Business — Regulation — U.S. Regulation — Insurance Regulation — Policy and Contract Reserve Adequacy Analysis” and “Business — Regulation — International Regulation” included in the 2017 Annual Report for further information.

**Future Policy Benefits**

We establish liabilities for amounts payable under insurance policies. See Notes 1 and 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for additional information. See also “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Impact of a Sustained Low Interest Rate Environment — Low Interest Rate Scenario” included in the 2017 Annual Report and “— Variable Annuity Guarantees.” A discussion of future policy benefits by segment (as well as Corporate & Other) follows.

**U.S.**

Amounts payable under insurance policies for this segment are comprised of group insurance and annuities, as well as property & casualty policies. For group insurance, future policyholder benefits are comprised mainly of liabilities for disabled lives under disability waiver of premium policy provisions, liabilities for survivor income benefit insurance, active life policies and premium stabilization and other contingency liabilities held under life insurance contracts. For group annuity contracts, future policyholder benefits are primarily related to payout annuities, including pension risk transfers, structured settlement annuities and institutional income annuities. There is no interest rate crediting flexibility on these liabilities. As a result, a sustained low interest rate environment could negatively impact earnings; however, we mitigate our risks by applying various ALM strategies, including the use of various interest rate derivative positions. The components of future policy benefits related to our property & casualty policies are liabilities for unpaid claims, estimated based upon assumptions such as rates of claim frequencies, levels of severities, inflation, judicial trends, legislative changes or regulatory decisions. Assumptions are based upon our historical experience and analysis of historical development patterns of the relationship of loss adjustment expenses to losses for each line of business, and we consider the effects of current developments, anticipated trends and risk management programs, reduced for anticipated salvage and subrogation.

**Asia**

Future policy benefits for this segment are held primarily for traditional life, endowment, annuity and accident & health contracts. They are also held for total return pass-through provisions included in certain universal life and savings products. They include certain liabilities for variable annuity and variable life guarantees of minimum death benefits, and longevity guarantees. Factors impacting these liabilities include sustained periods of lower yields than rates established at policy issuance, lower than expected asset reinvestment rates, market volatility, actual lapses

resulting in lower than expected income, and actual mortality or morbidity resulting in higher than expected benefit payments. We mitigate our risks by applying various ALM strategies.

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## Latin America

Future policy benefits for this segment are held primarily for immediate annuities in Chile, Argentina and Mexico and traditional life contracts mainly in Mexico, Brazil and Colombia. There are also liabilities held for total return pass-through provisions included in certain universal life and savings products in Mexico. Factors impacting these liabilities include sustained periods of lower yields than rates established at policy issuance, lower than expected asset reinvestment rates, and mortality and lapses different than expected. We mitigate our risks by applying various ALM strategies.

## EMEA

Future policy benefits for this segment include unearned premium reserves for group life and credit insurance contracts. Future policy benefits are also held for traditional life, endowment and annuity contracts with significant mortality risk and accident & health contracts. Factors impacting these liabilities include lower than expected asset reinvestment rates, market volatility, actual lapses resulting in lower than expected income, and actual mortality or morbidity resulting in higher than expected benefit payments. We mitigate our risks by having premiums which are adjustable or cancellable in some cases, and by applying various ALM strategies.

## MetLife Holdings

Future policy benefits for the life business are comprised mainly of liabilities for traditional life insurance contracts. In order to manage risk, we have often reinsured a portion of the mortality risk on life insurance policies. We routinely evaluate our reinsurance programs, which may result in increases or decreases to existing coverage. We have entered into various interest rate derivative positions to mitigate the risk that investment of premiums received and reinvestment of maturing assets over the life of the policy will be at rates below those assumed in the original pricing of these contracts. For the annuities business, future policy benefits are comprised mainly of liabilities for life-contingent income annuities and liabilities for the variable annuity guaranteed minimum benefits that are accounted for as insurance. Other future policyholder benefits are comprised mainly of liabilities for disabled lives under disability waiver of premium policy provisions, and active life policies. In addition, for our other products, future policyholder benefits related to the reinsurance of our former Japan joint venture are comprised of liabilities for the variable annuity guaranteed minimum benefits that are accounted for as insurance.

## Corporate &amp; Other

Future policy benefits primarily include liabilities for other reinsurance business. Additionally, future policy benefits include liabilities for the U.S direct business sold directly to consumers.

## Policyholder Account Balances

Policyholder account balances are generally equal to the account value, which includes accrued interest credited, but excludes the impact of any applicable charge that may be incurred upon surrender. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Industry Trends — Impact of a Sustained Low Interest Rate Environment — Low Interest Rate Scenario” included in the 2017 Annual Report and “— Variable Annuity Guarantees.” See also Notes 1 and 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for additional information. A discussion of policyholder account balances by segment follows.

## U.S.

Policyholder account balances in this segment are comprised of funding agreements, retained asset accounts, universal life policies, the fixed account of variable life insurance policies and specialized life insurance products for benefit programs.

## Group Benefits

Policyholder account balances in this business are held for retained asset accounts, universal life policies, the fixed account of variable life insurance policies and specialized life insurance products for benefit programs. Policyholder account balances are credited interest at a rate we determine, which is influenced by current market rates. A sustained low interest rate environment could adversely impact liabilities and earnings as a result of the minimum credited rate guarantees present in most of these policyholder account balances. We have various interest rate derivative positions to partially mitigate the risks associated with such a scenario.



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The table below presents the breakdown of account value subject to minimum guaranteed crediting rates for Group Benefits:

Guaranteed Minimum Crediting Rate	September 30, 2018	
	Account Value	Account Value at Guarantee
	(In millions)	
Greater than 0% but less than 2%	\$4,772	\$ 4,649
Equal to or greater than 2% but less than 4%	\$ 1,782	\$ 1,782
Equal to or greater than 4%	\$ 735	\$ 707

## Retirement and Income Solutions

Policyholder account balances in this business are primarily comprised of funding agreements. Interest crediting rates vary by type of contract, and can be fixed or variable. Variable interest crediting rates are generally tied to an external index, most commonly (1-month or 3-month) London Interbank Offered Rate. We are exposed to interest rate risks, as well as foreign currency exchange rate risk, when guaranteeing payment of interest and return of principal at the contractual maturity date. We may invest in floating rate assets or enter into receive-floating interest rate swaps, also tied to external indices, as well as interest rate caps, to mitigate the impact of changes in market interest rates. We also mitigate our risks by applying various ALM strategies and seek to hedge all foreign currency exchange rate risk through the use of foreign currency hedges, including cross currency swaps.

The table below presents the breakdown of account value subject to minimum guaranteed crediting rates for RIS:

Guaranteed Minimum Crediting Rate	September 30, 2018	
	Account Value	Account Value at Guarantee
	(In millions)	
Greater than 0% but less than 2%	\$ 139	\$ —
Equal to or greater than 2% but less than 4%	\$ 1,106	\$ 122
Equal to or greater than 4%	\$ 4,606	\$ 4,605

## Asia

Policyholder account balances in this segment are held largely for fixed income retirement and savings plans, fixed deferred annuities, interest sensitive whole life products, universal life and, to a lesser degree, liability amounts for unit-linked-type funds that do not meet the GAAP definition of separate accounts. Also included are certain liabilities for retirement and savings products sold in certain countries in Asia that generally are sold with minimum credited rate guarantees. Liabilities for guarantees on certain variable annuities in Asia are accounted for as embedded derivatives and recorded at estimated fair value and are also included within policyholder account balances. A sustained low interest rate environment could adversely impact liabilities and earnings as a result of the minimum credited rate guarantees present in most of these policyholder account balances. We mitigate our risks by applying various ALM strategies and with reinsurance. Liabilities for unit-linked-type funds are impacted by changes in the fair value of the associated underlying investments, as the return on assets is generally passed directly to the policyholder.

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The table below presents the breakdown of account value subject to minimum guaranteed crediting rates for Asia:

Guaranteed Minimum Crediting Rate	September 30, 2018	
	Account Value	Account Value at Guarantee
(In millions)		
Annuities		
Greater than 0% but less than 2%	\$24,946	\$ 1,963
Equal to or greater than 2% but less than 4%	\$1,221	\$ 402
Equal to or greater than 4%	\$1	\$ 1
Life & Other		
Greater than 0% but less than 2%	\$9,631	\$ 9,344
Equal to or greater than 2% but less than 4%	\$23,696	\$ 8,980
Equal to or greater than 4%	\$279	\$ 279

## Latin America

Policyholder account balances in this segment are held largely for investment-type products and universal life products in Mexico and Chile, and deferred annuities in Brazil. Some of the deferred annuities in Brazil are unit-linked-type funds that do not meet the GAAP definition of separate accounts. The rest of the deferred annuities have minimum credited rate guarantees, which could adversely impact liabilities and earnings in a sustained low interest rate environment. Liabilities for unit-linked-type funds are impacted by changes in the fair value of the associated investments, as the return on assets is generally passed directly to the policyholder.

## EMEA

Policyholder account balances in this segment are held mostly for universal life, deferred annuity, pension products, and unit-linked-type funds that do not meet the GAAP definition of separate accounts. They are also held for endowment products without significant mortality risk. A sustained low interest rate environment could adversely impact liabilities and earnings as a result of the minimum credited rate guarantees present in many of these policyholder account balances. We mitigate our risks by applying various ALM strategies. Liabilities for unit-linked-type funds are impacted by changes in the fair value of the associated investments, as the return on assets is generally passed directly to the policyholder.

## MetLife Holdings

Life policyholder account balances are held for retained asset accounts, universal life policies, the fixed account of variable life insurance policies, and funding agreements. For annuities, policyholder account balances are held for fixed deferred annuities, the fixed account portion of variable annuities, non-life contingent income annuities, and embedded derivatives related to variable annuity guarantees. Interest is credited to the policyholder's account at interest rates we determine which are influenced by current market rates, subject to specified minimums. A sustained low interest rate environment could adversely impact liabilities and earnings as a result of the minimum credited rate guarantees present in most of these policyholder account balances. We have various interest rate derivative positions to partially mitigate the risks associated with such a scenario. Additionally, for our other products, policyholder account balances are held for variable annuity guarantees assumed from a former operating joint venture in Japan that are accounted for as embedded derivatives.

The table below presents the breakdown of account value subject to minimum guaranteed crediting rates for the MetLife Holdings segment:

Guaranteed Minimum Crediting Rate	September 30, 2018	
	Account Value	Account Value at Guarantee
(In millions)		

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Greater than 0% but less than 2%	\$1,567	\$ 1,475
Equal to or greater than 2% but less than 4%	\$18,983	\$ 16,539
Equal to or greater than 4%	\$8,171	\$ 5,497

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## Variable Annuity Guarantees

We issue, directly and through assumed business, certain variable annuity products with guaranteed minimum benefits that provide the policyholder a minimum return based on their initial deposit (i.e., the benefit base) less withdrawals. In some cases, the benefit base may be increased by additional deposits, bonus amounts, accruals or optional market value resets. See Notes 1 and 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report, as well as Note 4 of the Notes to the Interim Condensed Consolidated Financial Statements, for additional information.

Certain guarantees, including portions thereof, have insurance liabilities established that are included in future policy benefits. Guarantees accounted for in this manner include guaranteed minimum death benefits (“GMDBs”), the life-contingent portion of certain guaranteed minimum withdrawal benefits (“GMWBs”), and the non-life contingent portions of both GMWBs and guaranteed minimum income benefits (“GMIBs”) that require annuitization. These liabilities are accrued over the life of the contract in proportion to actual and future expected policy assessments based on the level of guaranteed minimum benefits generated using multiple scenarios of separate account returns. The scenarios are based on best estimate assumptions consistent with those used to amortize DAC. When current estimates of future benefits exceed those previously projected or when current estimates of future assessments are lower than those previously projected, liabilities will increase, resulting in a current period charge to net income. The opposite result occurs when the current estimates of future benefits are lower than those previously projected or when current estimates of future assessments exceed those previously projected. At the end of each reporting period, we update the actual amount of business remaining in-force, which impacts expected future assessments and the projection of estimated future benefits resulting in a current period charge or increase to earnings.

Certain guarantees, including portions thereof, accounted for as embedded derivatives, are recorded at estimated fair value and included in policyholder account balances. Guarantees accounted for as embedded derivatives include guaranteed minimum accumulation benefits (“GMABs”), and the non-life contingent portions of both GMWBs and GMIBs that do not require annuitization. The estimated fair values of guarantees accounted for as embedded derivatives are determined based on the present value of projected future benefits minus the present value of projected future fees. The projections of future benefits and future fees require capital market and actuarial assumptions including expectations concerning policyholder behavior. A risk-neutral valuation methodology is used to project the cash flows from the guarantees under multiple capital market scenarios to determine an economic liability. The reported estimated fair value is then determined by taking the present value of these risk-free generated cash flows using a discount rate that incorporates a spread over the risk-free rate to reflect our nonperformance risk and adding a risk margin. For more information on the determination of estimated fair value, see Note 8 of the Notes to the Interim Condensed Consolidated Financial Statements.

The table below presents the carrying value for guarantees at:

	Future Policy Benefits		Policyholder Account Balances	
	September 30, 2018	December 31, 2017	September 30, 2018	December 31, 2017
	(In millions)			
Asia				
GMDB	\$26	\$ 38	\$—	\$ —
GMAB	—	—	22	19
GMWB	92	92	197	182
EMEA				
GMDB	—	1	—	—
GMAB	—	—	6	15
GMWB	35	42	(123 )	(90 )
MetLife Holdings				
GMDB	278	304	—	—
GMIB	708	581	(232 )	(125 )



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GMAB	—	—	(1 )	—
GMWB	121	183	236	322
Total	\$1,260	\$ 1,241	\$105	\$ 323

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The carrying amounts for guarantees included in policyholder account balances above include nonperformance risk adjustments of \$106 million and \$130 million at September 30, 2018 and December 31, 2017, respectively. These nonperformance risk adjustments represent the impact of including a credit spread when discounting the underlying risk-neutral cash flows to determine the estimated fair values. The nonperformance risk adjustment does not have an economic impact on us as it cannot be monetized given the nature of these policyholder liabilities. The change in valuation arising from the nonperformance risk adjustment is not hedged.

The carrying values of these guarantees can change significantly during periods of sizable and sustained shifts in equity market performance, equity volatility, interest rates or foreign currency exchange rates. Carrying values are also impacted by our assumptions around mortality, separate account returns and policyholder behavior, including lapse rates.

As discussed below, we use a combination of product design, hedging strategies, reinsurance, and other risk management actions to mitigate the risks related to these benefits. Within each type of guarantee, there is a range of product offerings reflecting the changing nature of these products over time. Changes in product features and terms are in part driven by customer demand but, more importantly, reflect our risk management practices of continuously evaluating the guaranteed benefits and their associated asset-liability matching. Recently, we have been diversifying the concentration of income benefits in the portfolio of the Company's annuities business by focusing on withdrawal benefits, variable annuities without living benefits and index-linked annuities.

The sections below provide further detail by total account value for certain of our most popular guarantees. Total account values include amounts not reported on the consolidated balance sheets from assumed business, Unit-linked investments that do not qualify for presentation as separate account assets, and amounts included in our general account. The total account values and the net amounts at risk include direct and assumed business, but exclude offsets from hedging or ceded reinsurance, if any.

**GMDBs**

We offer a range of GMDBs to our contractholders. The table below presents GMDBs, by benefit type, at September 30, 2018:

	Total Account Value (1)	
	Asia & MetLife	EMEA Holdings
	(In millions)	
Return of premium or five to seven year step-up	\$6,887	\$ 51,401
Annual step-up	—	3,482
Roll-up and step-up combination	—	6,132
Total	\$6,887	\$ 61,015

Total account value excludes \$242 million for contracts with no GMDBs. The Company's annuity contracts with (1) guarantees may offer more than one type of guarantee in each contract. Therefore, the amounts listed for GMDBs and for living benefit guarantees are not mutually exclusive.

Based on total account value, less than 19% of our GMDBs included enhanced death benefits such as the annual step-up or roll-up and step-up combination products. We expect the above GMDB risk profile to be relatively consistent for the foreseeable future.

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## Living Benefit Guarantees

The table below presents our living benefit guarantees based on total account values at September 30, 2018:

	Total Account Value (1)	
	Asia & MetLife EMEA Holdings	
	(In millions)	
GMIB	\$—	\$ 23,417
GMWB - non-life contingent (2)	2,101	2,885
GMWB - life-contingent	3,311	10,223
GMAB	1,076	420
Total	\$6,488	\$ 36,945

Total account value excludes \$24.3 billion for contracts with no living benefit guarantees. The Company's annuity (1) contracts with guarantees may offer more than one type of guarantee in each contract. Therefore, the amounts listed for GMDBs and for living benefit guarantee amounts are not mutually exclusive.

(2) The Asia and EMEA segments include the non-life contingent portion of the GMWB total account value of \$970 million with a guarantee at annuitization.

In terms of total account value, GMIBs are our most significant living benefit guarantee. Our primary risk management strategy for our GMIB products is our derivatives hedging program as discussed below. Additionally, we have engaged in certain reinsurance agreements covering some of our GMIB business. As part of our overall risk management approach for living benefit guarantees, we continually monitor the reinsurance markets for the right opportunity to purchase additional coverage for our GMIB business.

The table below presents our GMIB associated total account values, by their guaranteed payout basis, at September 30, 2018:

	Total Account Value (In millions)
7-year setback, 2.5% interest rate	\$ 6,302
7-year setback, 1.5% interest rate	1,014
10-year setback, 1.5% interest rate	5,013
10-year mortality projection, 10-year setback, 1.0% interest rate	9,414
10-year mortality projection, 10-year setback, 0.5% interest rate	1,675
	\$ 23,418

The annuitization interest rates on GMIBs have been decreased from 2.5% to 0.5% over time, partially in response to the low interest rate environment, accompanied by an increase in the setback period from seven years to 10 years and the introduction of a 10-year mortality projection.

Additionally, 41% of the \$23.4 billion of GMIB total account value has been invested in managed volatility funds as of September 30, 2018. These funds seek to manage volatility by adjusting the fund holdings within certain guidelines based on capital market movements. Such activity reduces the overall risk of the underlying funds while maintaining their growth opportunities. These risk mitigation techniques reduce or eliminate the need for us to manage the funds' volatility through hedging or reinsurance.

Our GMIB products typically have a waiting period of 10 years to be eligible for annuitization. As of September 30, 2018, only 18% of our contracts with GMIBs were eligible for annuitization. The remaining contracts are not eligible for annuitization for an average of five years.

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Once eligible for annuitization, contractholders would be expected to annuitize only if their contracts were in-the-money. We calculate in-the-moneyness with respect to GMIBs consistent with net amount at risk as discussed in Note 4 of the Notes to the Interim Condensed Consolidated Financial Statements, by comparing the contractholders' income benefits based on total account values and current annuity rates versus the guaranteed income benefits. The net amount at risk was \$465 million at September 30, 2018, of which \$269 million was related to GMIB guarantees. For those contracts with GMIB, the table below presents details of contracts that are in-the-money and out-of-the-money at September 30, 2018:

	In-the-Moneyness (In millions)	Total Account Value	% of Total	
In-the-money	30% +	\$249	1	%
	20% to 30%	177	1	%
	10% to 20%	348	2	%
	0% to 10%	671	3	%
		1,445		
Out-of-the-money	-10% to 0%	1,462	6	%
	-20% to -10%	2,990	13	%
	-20% +	17,521	75	%
		21,973		
Total GMIBs		\$23,418		

## Derivatives Hedging Variable Annuity Guarantees

Our risk mitigating hedging strategy uses various over-the-counter and exchange traded derivatives. The table below presents the gross notional amount, estimated fair value and primary underlying risk exposure of the derivatives hedging our variable annuity guarantees:

Primary Underlying Risk Exposure	Instrument Type	September 30, 2018			December 31, 2017		
		Gross Notional Amount	Estimated Fair Value		Gross Notional Amount	Estimated Fair Value	
		(In millions)	Assets	Liabilities		Assets	Liabilities
Interest rate	Interest rate swaps	\$ 8,186	\$ 56	\$ 11	\$ 16,080	\$ 433	\$ 22
	Interest rate futures	1,526	—	4	3,060	1	4
	Interest rate options	838	126	—	10,173	486	11
Foreign currency exchange rate	Foreign currency forwards	1,716	1	24	2,288	5	36
Equity market	Equity futures	2,895	6	5	3,781	17	4
	Equity index options	9,388	445	729	9,546	383	690
	Equity variance swaps	4,661	58	206	4,661	54	199

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Equity						
total return	1,075	1	27	1,117	—	41
swaps						
Total	\$ 30,285	\$ 693	\$ 1,006	\$ 50,706	\$ 1,379	\$ 1,007

The change in estimated fair values of our derivatives is recorded in policyholder benefits and claims if such derivatives are hedging guarantees included in future policy benefits, and in net derivative gains (losses) if such derivatives are hedging guarantees included in policyholder account balances.

Our hedging strategy involves the significant use of static longer-term derivative instruments to avoid the need to execute transactions during periods of market disruption or higher volatility. We continually monitor the capital markets for opportunities to adjust our liability coverage, as appropriate. Futures are also used to dynamically adjust the daily coverage levels as markets and liability exposures fluctuate.

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We remain liable for the guaranteed benefits in the event that reinsurers or derivative counterparties are unable or unwilling to pay. Certain of our reinsurance agreements and substantially all derivative positions are collateralized and derivatives positions are subject to master netting agreements, both of which significantly reduce the exposure to counterparty risk. In addition, we are subject to the risk that hedging and other risk management actions prove ineffective or that unanticipated policyholder behavior or mortality, combined with adverse market events, produces economic losses beyond the scope of the risk management techniques employed.

### Liquidity and Capital Resources

#### Overview

Our business and results of operations are materially affected by conditions in the global capital markets and the economy generally. Stressed conditions, volatility and disruptions in global capital markets, particular markets, or financial asset classes can have an adverse effect on us, in part because we have a large investment portfolio and our insurance liabilities and derivatives are sensitive to changing market factors. Changing conditions in the global capital markets and the economy may affect our financing costs and market interest for our debt or equity securities. For further information regarding market factors that could affect our ability to meet liquidity and capital needs, see “— Industry Trends” and “— Investments — Current Environment.”

#### Liquidity Management

Based upon the strength of our franchise, diversification of our businesses, strong financial fundamentals and the substantial funding sources available to us as described herein, we continue to believe we have access to ample liquidity to meet business requirements under current market conditions and reasonably possible stress scenarios. We continuously monitor and adjust our liquidity and capital plans for MetLife, Inc. and its subsidiaries in light of market conditions, as well as changing needs and opportunities.

#### Short-term Liquidity

We maintain a substantial short-term liquidity position, which was \$10.2 billion and \$10.0 billion at September 30, 2018 and December 31, 2017, respectively. Short-term liquidity includes cash and cash equivalents and short-term investments, excluding assets that are pledged or otherwise committed, including amounts received in connection with securities lending, repurchase agreements, derivatives, and secured borrowings, as well as amounts held in the closed block.

#### Liquid Assets

An integral part of our liquidity management includes managing our level of liquid assets, which was \$205.7 billion and \$209.1 billion at September 30, 2018 and December 31, 2017, respectively. Liquid assets include cash and cash equivalents, short-term investments and publicly-traded securities, excluding assets that are pledged or otherwise committed. Assets pledged or otherwise committed include amounts received in connection with securities lending, repurchase agreements, derivatives, regulatory deposits, the collateral financing arrangement, funding agreements and secured borrowings, as well as amounts held in the closed block.

#### Capital Management

We have established several senior management committees as part of our capital management process. These committees, including the Capital Management Committee and the Enterprise Risk Committee (“ERC”), regularly review actual and projected capital levels (under a variety of scenarios including stress scenarios) and our annual capital plan in accordance with our capital policy. The Capital Management Committee is comprised of members of senior management, including MetLife, Inc.’s Chief Financial Officer (“CFO”), Treasurer, and Chief Risk Officer (“CRO”). The ERC is also comprised of members of senior management, including MetLife, Inc.’s CFO, CRO and Chief Investment Officer.

Our Board of Directors and senior management are directly involved in the development and maintenance of our capital policy. The capital policy sets forth, among other things, minimum and target capital levels and the governance of the capital management process. All capital actions, including proposed changes to the annual capital plan, capital targets or capital policy, are reviewed by the Finance and Risk Committee of the Board of Directors prior to obtaining full Board of Directors approval. The Board of Directors approves the capital policy and the annual capital plan and authorizes capital actions, as required.

See “Risk Factors — Capital-Related Risks — Legal and Regulatory Restrictions and Uncertainty and Restrictions Under the Terms of Certain of Our Securities May Prevent Us from Repurchasing Our Stock and Paying Dividends at the Level We Wish” and Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for information regarding restrictions on payment of dividends and stock repurchases. See also “— The Company — Liquidity and Capital Uses — Common Stock Repurchases” for information regarding MetLife, Inc.’s common stock repurchase authorization.

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## The Company

## Liquidity

Liquidity refers to the ability to generate adequate amounts of cash to meet our needs. In the event of significant cash requirements beyond anticipated liquidity needs, we have various alternatives available depending on market conditions and the amount and timing of the liquidity need. These available alternatives include cash flows from operations, sales of liquid assets, global funding sources including commercial paper and various credit and committed facilities.

## Capital

We manage our capital position to maintain our financial strength and credit ratings. Our capital position is supported by our ability to generate strong cash flows within our operating companies and borrow funds at competitive rates, as well as by our demonstrated ability to raise additional capital to meet operating and growth needs despite adverse market and economic conditions.

## Summary of the Company's Primary Sources and Uses of Liquidity and Capital

Our primary sources and uses of liquidity and capital are summarized as follows:

	Nine Months Ended September 30, 2018      2017 (In millions)	
Sources:		
Operating activities, net	\$10,437	\$10,233
Changes in policyholder account balances, net	4,168	5,332
Changes in payables for collateral under securities loaned and other transactions, net	719	2,316
Long-term debt issued	24	3,657
Preferred stock issued, net of issuance costs	1,274	—
Effect of change in foreign currency exchange rates on cash and cash equivalents	—	382
Total sources	16,622	21,920
Uses:		
Investing activities, net	10,992	17,158
Long-term debt repaid	1,311	60
Collateral financing arrangements repaid	48	2,852
Distribution of Brighthouse	—	2,793
Financing element on certain derivative instruments and other derivative related transactions, net	15	109
Treasury stock acquired in connection with share repurchases	2,792	2,305
Dividends on preferred stock	84	58
Dividends on common stock	1,263	1,295
Other, net	141	144
Effect of change in foreign currency exchange rates on cash and cash equivalents	187	—
Total uses	16,833	26,774
Net increase (decrease) in cash and cash equivalents	\$(211)	\$(4,854)

## Cash Flows from Operations

The principal cash inflows from our insurance activities come from insurance premiums, net investment income, annuity considerations and deposit funds. The principal cash outflows are the result of various life insurance, property & casualty, annuity and pension products, operating expenses and income tax, as well as interest expense. A primary liquidity concern with respect to these cash flows is the risk of early contractholder and policyholder withdrawal. The cash flows from discontinued operations are not separately classified, but generally arise from the same activities described above.





Table of Contents**Cash Flows from Investments**

The principal cash inflows from our investment activities come from repayments of principal, proceeds from maturities and sales of investments and settlements of freestanding derivatives. The principal cash outflows relate to purchases of investments, issuances of policy loans and settlements of freestanding derivatives. Additional cash outflows relate to purchases of businesses. We typically have a net cash outflow from investing activities because cash inflows from insurance operations are reinvested in accordance with our ALM discipline to fund insurance liabilities. We closely monitor and manage these risks through our comprehensive investment risk management process. The primary liquidity concerns with respect to these cash flows are the risk of default by debtors and market disruption. The cash flows from discontinued operations are not separately classified, but generally arise from the same activities described above.

**Cash Flows from Financing**

The principal cash inflows from our financing activities come from issuances of debt and other securities, deposits of funds associated with policyholder account balances and lending of securities. The principal cash outflows come from repayments of debt and collateral financing arrangements, payments of dividends on and repurchases of MetLife, Inc.'s securities, withdrawals associated with policyholder account balances and the return of securities on loan. The primary liquidity concerns with respect to these cash flows are market disruption and the risk of early contractholder and policyholder withdrawal. The cash flows from discontinued operations are not separately classified, but generally arise from the same activities described above.

**Liquidity and Capital Sources**

In addition to the general description of liquidity and capital sources in “— Summary of the Company’s Primary Sources and Uses of Liquidity and Capital,” the Company’s primary sources of liquidity and capital are set forth below. See Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding financing transactions related to the Separation.

**Global Funding Sources**

Liquidity is provided by a variety of global funding sources, including funding agreements, credit and committed facilities and commercial paper. Capital is provided by a variety of global funding sources, including short-term and long-term debt, the collateral financing arrangement, junior subordinated debt securities, preferred securities, equity securities and equity-linked securities. The diversity of our global funding sources enhances our funding flexibility, limits dependence on any one market or source of funds and generally lowers the cost of funds. Our primary global funding sources include:

**Preferred Stock**

In June 2018, MetLife, Inc. issued 32,200 shares of 5.625% Non-Cumulative Preferred Stock, Series E (the “Series E preferred stock”) with a \$0.01 par value per share and a liquidation preference of \$25,000 per share, for aggregate net proceeds of \$780 million.

In March 2018, MetLife, Inc. issued 500,000 shares of 5.875% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series D (the “Series D preferred stock”) with a \$0.01 par value per share and a liquidation preference of \$1,000 per share, for aggregate net proceeds of \$494 million.

See Note 10 of the Notes to the Interim Condensed Consolidated Financial Statements for further information.

**Common Stock**

During the nine months ended September 30, 2018 and 2017, MetLife, Inc. issued 2,718,456 and 3,505,240 new shares of its common stock, respectively, for \$97 million and \$124 million, respectively, to satisfy various stock option exercises and other stock-based awards.

**Commercial Paper, Reported in Short-term Debt**

MetLife, Inc. and MetLife Funding, Inc. (“MetLife Funding”), a subsidiary of Metropolitan Life Insurance Company (“MLIC”), each have a commercial paper program that is supported by our unsecured revolving credit facility (see “— Credit and Committed Facilities”). MetLife Funding raises cash from its commercial paper program and uses the proceeds to extend loans through MetLife Credit Corp., another subsidiary of MLIC, to affiliates in order to enhance the financial flexibility and liquidity of these companies.



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## Federal Home Loan Bank Funding Agreements, Reported in Policyholder Account Balances

Certain of our domestic insurance subsidiaries are members of a regional Federal Home Loan Bank (“FHLB”). During the nine months ended September 30, 2018 and 2017, we issued \$22.1 billion and \$16.1 billion, respectively, and repaid \$22.3 billion and \$16.1 billion, respectively, under funding agreements with certain regional FHLBs. At September 30, 2018 and December 31, 2017, total obligations outstanding under these funding agreements were \$15.1 billion and \$15.3 billion, respectively. See Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

## Federal Home Loan Bank Advance Agreements, Reported in Payables for Collateral Under Securities Loaned and Other Transactions

During the nine months ended September 30, 2018, we issued \$2.3 billion and repaid \$1.8 billion, under advance agreements with a regional FHLB. There were no such transactions during the nine months ended September 30, 2017. At September 30, 2018 and December 31, 2017, total obligations outstanding under these advance agreements were \$800 million and \$300 million, respectively. See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Special Purpose Entity Funding Agreements, Reported in Policyholder Account Balances

We issue fixed and floating rate funding agreements, which are denominated in either U.S. dollars or foreign currencies, to certain special purpose entities (“SPEs”) that have issued either debt securities or commercial paper for which payment of interest and principal is secured by such funding agreements. During the nine months ended September 30, 2018 and 2017, we issued \$31.8 billion and \$32.8 billion, respectively, and repaid \$32.8 billion and \$31.3 billion, respectively, under such funding agreements. At September 30, 2018 and December 31, 2017, total obligations outstanding under these funding agreements were \$33.3 billion and \$34.2 billion, respectively. See Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

## Federal Agricultural Mortgage Corporation Funding Agreements, Reported in Policyholder Account Balances

We have issued funding agreements to a subsidiary of the Federal Agricultural Mortgage Corporation (“Farmer Mac”), as well as to certain SPEs that have issued debt securities for which payment of interest and principal is secured by such funding agreements, and such debt securities are also guaranteed as to payment of interest and principal by Farmer Mac. The obligations under all such funding agreements are secured by a pledge of certain eligible agricultural mortgage loans. During the nine months ended September 30, 2018 and 2017, we issued \$900 million and \$1.0 billion, respectively, and repaid \$900 million and \$1.0 billion, respectively, under such funding agreements. At both September 30, 2018 and December 31, 2017, total obligations outstanding under these funding agreements were \$2.6 billion. See Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

## Credit and Committed Facilities

At September 30, 2018, we maintained a \$3.0 billion unsecured revolving credit facility and certain committed facilities aggregating \$3.3 billion. When drawn upon, these facilities bear interest at varying rates in accordance with the respective agreements.

Our unsecured revolving credit facility is used for general corporate purposes, to support the borrowers’ commercial paper programs and for the issuance of letters of credit. At September 30, 2018, we had outstanding \$436 million in letters of credit and no drawdowns against this facility. Remaining availability was \$2.6 billion at September 30, 2018. Our committed facilities are used as collateral for certain of our reinsurance liabilities. At September 30, 2018, we had outstanding \$2.8 billion in letters of credit and no drawdowns against these facilities. Remaining availability was \$508 million at September 30, 2018. See “— Acquisitions and Dispositions.”

See Note 12 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for further information about these facilities.

We have no reason to believe that our lending counterparties will be unable to fulfill their respective contractual obligations under these facilities. As commitments under our credit and committed facilities may expire unused, these amounts do not necessarily reflect our future cash funding requirements.

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## Outstanding Debt Under Global Funding Sources

The following table summarizes our outstanding debt, excluding long-term debt relating to CSEs, at:

	September 30,	December 31,
	2018	2017
	(In millions)	
Short-term debt (1)	\$290	\$ 477
Long-term debt (2)	\$13,403	\$ 15,680
Collateral financing arrangement	\$1,073	\$ 1,121
Junior subordinated debt securities	\$3,146	\$ 3,144

Includes \$191 million and \$377 million of debt that is non-recourse to MetLife, Inc. and MLIC, subject to (1) customary exceptions, at September 30, 2018 and December 31, 2017, respectively. Certain subsidiaries have pledged assets to secure this debt.

Includes \$480 million and \$523 million of debt that is non-recourse to MetLife, Inc. and MLIC, subject to (2) customary exceptions, at September 30, 2018 and December 31, 2017, respectively. Certain investment subsidiaries have pledged assets to secure this debt.

## Debt and Facility Covenants

Certain of our debt instruments and committed facilities, as well as our unsecured revolving credit facility, contain various administrative, reporting, legal and financial covenants. We believe we were in compliance with all applicable financial covenants at September 30, 2018.

## Liquidity and Capital Uses

In addition to the general description of liquidity and capital uses in “— Summary of the Company’s Primary Sources and Uses of Liquidity and Capital,” the Company’s primary uses of liquidity and capital are set forth below.

## Common Stock Repurchases

During the nine months ended September 30, 2018 and 2017, MetLife, Inc. repurchased 59,602,926 shares and 44,737,625 shares of its common stock, respectively, through open market purchases for \$2.8 billion and \$2.3 billion, respectively.

On November 1, 2017 and May 22, 2018, MetLife, Inc. announced that its Board of Directors authorized \$2.0 billion and \$1.5 billion of common stock repurchases, respectively. In June 2018, MetLife, Inc. completed all common stock repurchases under the November 2017 authorization. At September 30, 2018, MetLife, Inc. had \$470 million of common stock repurchases remaining under the May 2018 authorization.

On November 1, 2018, MetLife, Inc. announced that its Board of Directors authorized an additional \$2.0 billion of common stock repurchases.

Under these authorizations, MetLife, Inc. may purchase its common stock from the MetLife Policyholder Trust, in the open market (including pursuant to the terms of a pre-set trading plan meeting the requirements of Rule 10b5-1 under the Securities Exchange Act of 1934 (“Exchange Act”)) and in privately negotiated transactions.

Common stock repurchases are dependent upon several factors, including our capital position, liquidity, financial strength and credit ratings, general market conditions, the market price of MetLife, Inc.’s common stock compared to management’s assessment of the stock’s underlying value and applicable regulatory approvals, as well as other legal and accounting factors. See “Business — Regulation,” “Risk Factors — Capital-Related Risks — Legal and Regulatory Restrictions and Uncertainty and Restrictions Under the Terms of Certain of Our Securities May Prevent Us from Repurchasing Our Stock and Paying Dividends at the Level We Wish” and Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

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## Dividends

During the nine months ended September 30, 2018 and 2017, MetLife, Inc. paid dividends on its preferred stock of \$84 million and \$58 million, respectively. During both the nine months ended September 30, 2018 and 2017, MetLife, Inc. paid \$1.3 billion of dividends on its common stock. See Note 10 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding the calculation and timing of these dividend payments. Dividends are paid quarterly on MetLife, Inc.'s Floating Rate Non-Cumulative Preferred Stock, Series A. Dividends are paid semi-annually on MetLife, Inc.'s 5.25% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series C until June 15, 2020 and, thereafter, will be paid quarterly. Dividends are paid semi-annually on MetLife, Inc.'s 5.875% Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series D, in September and March until March 15, 2028 and, thereafter, will be paid quarterly. Dividends are paid quarterly on MetLife, Inc.'s 5.625% Non-Cumulative Preferred Stock, Series E.

The declaration and payment of common stock dividends is subject to the discretion of our Board of Directors, and will depend on MetLife, Inc.'s financial condition, results of operations, cash requirements, future prospects, regulatory restrictions on the payment of dividends by MetLife, Inc.'s insurance subsidiaries and other factors deemed relevant by the Board. See Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for additional information. See also Note 16 of the Notes to the Interim Condensed Consolidated Financial Statements for information regarding a common stock dividend declared subsequent to September 30, 2018.

## Dividend Restrictions

The payment of dividends is also subject to restrictions under the terms of our preferred stock and junior subordinated debentures in situations where we may be experiencing financial stress. See "Risk Factors — Capital-Related Risks — Legal and Regulatory Restrictions and Uncertainty and Restrictions Under the Terms of Certain of Our Securities May Prevent Us from Repurchasing Our Stock and Paying Dividends at the Level We Wish" in the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q in similarly named sections under the caption "Risk Factors," Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report and Note 10 of the Notes to the Interim Condensed Consolidated Financial Statements. If additional capital requirements are imposed on MetLife, Inc. as a global systemically important insurer ("G-SII"), its ability to pay dividends could be reduced. See "Business — Regulation — International Regulation — Other International and Global Regulatory Initiatives" in the 2017 Annual Report.

## Debt Repayments

During the nine months ended September 30, 2018 and 2017, following regulatory approval, MetLife Reinsurance Company of Charleston, a wholly-owned subsidiary of MetLife, Inc., repurchased and canceled \$48 million and \$55 million, respectively, in aggregate principal amount of its surplus notes, which are reported in collateral financing arrangement on the consolidated balance sheets.

In August 2018, MetLife, Inc. repaid at maturity the remaining \$533 million of its 6.817% senior notes.

## Debt Repurchases, Redemptions and Exchanges

We may from time to time seek to retire or purchase our outstanding debt through cash purchases, redemptions and/or exchanges for other securities, in open market purchases, redemptions, privately negotiated transactions or otherwise. Any such repurchases, redemptions or exchanges will be dependent upon several factors, including our liquidity requirements, contractual restrictions, general market conditions, and applicable regulatory, legal and accounting factors. Whether or not to repurchase or redeem any debt and the size and timing of any such repurchases or redemptions will be determined at our discretion.

In June 2018, MetLife, Inc. sold FVO Brighthouse Common Stock in exchange for \$944 million in aggregate principal amount of its senior notes. In August and June 2018, MetLife, Inc. purchased for cash \$566 million and \$160 million, respectively, in aggregate principal amount of its senior notes. See Notes 3 and 9 of the Notes to the Interim Condensed Consolidated Financial Statements for additional information on these transactions.

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## Support Agreements

MetLife, Inc. and several of its subsidiaries (each, an “Obligor”) are parties to various capital support commitments and guarantees with subsidiaries. Under these arrangements, each Obligor has agreed to cause the applicable entity to meet specified capital and surplus levels or has guaranteed certain contractual obligations. We anticipate that in the event these arrangements place demands upon us, there will be sufficient liquidity and capital to enable us to meet such demands. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — MetLife, Inc. — Liquidity and Capital Uses — Support Agreements” included in the 2017 Annual Report.

## Insurance Liabilities

Liabilities arising from our insurance activities primarily relate to benefit payments under various life insurance, property & casualty, annuity and group pension products, as well as payments for policy surrenders, withdrawals and loans. For annuity or deposit type products, surrender or lapse behavior differs somewhat by segment. In the MetLife Holdings segment, which includes individual annuities, lapses and surrenders tend to occur in the normal course of business. During the nine months ended September 30, 2018 and 2017, general account surrenders and withdrawals from annuity products were \$1.3 billion and \$1.1 billion, respectively. In the RIS business within the U.S. segment, which includes pension risk transfers, bank-owned life insurance and other fixed annuity contracts, as well as funding agreements and other capital market products, most of the products offered have fixed maturities or fairly predictable surrenders or withdrawals. With regard to the RIS business products that provide customers with limited rights to accelerate payments, at September 30, 2018 there were funding agreements totaling \$176 million that could be put back to the Company.

## Pledged Collateral

We pledge collateral to, and have collateral pledged to us by, counterparties in connection with our derivatives. At September 30, 2018 and December 31, 2017, we had received pledged cash collateral from counterparties of \$3.5 billion and \$5.0 billion, respectively. At September 30, 2018 and December 31, 2017, we had pledged cash collateral to counterparties of \$459 million and \$456 million, respectively. With respect to derivative contracts between two counterparties which are in a net liability position and have credit contingent provisions, a one-notch downgrade in the Company’s credit or financial strength rating, as applicable, would have required \$5 million of additional collateral be provided to our counterparties as of September 30, 2018. See Note 7 of the Notes to the Interim Condensed Consolidated Financial Statements for additional information about collateral pledged to us, collateral we pledge and derivatives subject to credit contingent provisions.

We pledge collateral and have had collateral pledged to us, and may be required from time to time to pledge additional collateral or be entitled to have additional collateral pledged to us, in connection with the collateral financing arrangement related to the reinsurance of closed block liabilities.

We pledge collateral from time to time in connection with funding agreements and advance agreements. See Note 4 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report and Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Securities Lending

We participate in a securities lending program whereby securities are loaned to third parties, primarily brokerage firms and commercial banks. We obtain collateral, usually cash, from the borrower, which must be returned to the borrower when the loaned securities are returned to us. Under our securities lending program, we were liable for cash collateral under our control of \$19.3 billion and \$19.4 billion at September 30, 2018 and December 31, 2017, respectively. Of these amounts, \$3.1 billion and \$3.8 billion at September 30, 2018 and December 31, 2017, respectively, were on open, meaning that the related loaned security could be returned to us on the next business day, requiring the immediate return of cash collateral we hold. The estimated fair value of the securities on loan related to the cash collateral on open at September 30, 2018 was \$3.0 billion, 99% of which were U.S. government and agency securities which, if put to us, could be immediately sold to satisfy the cash requirement. See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements.





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### Repurchase Agreements

We participate in short-term repurchase agreements whereby securities are loaned to unaffiliated financial institutions. We obtain collateral, usually cash, from the borrower, which must be returned to the borrower when the loaned securities are returned to us. Under these repurchase agreements, we were liable for cash collateral under our control of \$2.5 billion and \$1.1 billion at September 30, 2018 and December 31, 2017, respectively. The estimated fair value of the securities on loan at September 30, 2018 was \$2.6 billion which were primarily U.S. government and agency securities which, if put to us, could be immediately sold to satisfy the cash requirement. See Note 6 of the Notes to the Interim Condensed Consolidated Financial Statements.

### Litigation

Putative or certified class action litigation and other litigation, and claims and assessments against us, in addition to those discussed elsewhere herein and those otherwise provided for on the consolidated financial statements, have arisen in the course of our business, including, but not limited to, in connection with our activities as an insurer, employer, investor, investment advisor, taxpayer and, formerly, a mortgage lending bank. Further, state insurance regulatory authorities and other federal and state authorities regularly make inquiries and conduct investigations concerning our compliance with applicable insurance and other laws and regulations. See Note 15 of the Notes to the Interim Condensed Consolidated Financial Statements.

We establish liabilities for litigation and regulatory loss contingencies when it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated. For material matters where a loss is believed to be reasonably possible but not probable, no accrual is made but we disclose the nature of the contingency and an aggregate estimate of the reasonably possible range of loss in excess of amounts accrued, when such an estimate can be made. It is not possible to predict or determine the ultimate outcome of all pending investigations and legal proceedings. In some of the matters referred to herein, very large and/or indeterminate amounts, including punitive and treble damages, are sought. Although in light of these considerations, it is possible that an adverse outcome in certain cases could have a material adverse effect upon our financial position, based on information currently known by us, in our opinion, the outcome of such pending investigations and legal proceedings are not likely to have such an effect. However, given the large and/or indeterminate amounts sought in certain of these matters and the inherent unpredictability of litigation, it is possible that an adverse outcome in certain matters could, from time to time, have a material adverse effect on our consolidated net income or cash flows in particular quarterly or annual periods.

### Contractual Obligations

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — The Company — Contractual Obligations” included in the 2017 Annual Report for additional information regarding the Company’s contractual obligations.

MetLife, Inc.

### Liquidity and Capital Management

Liquidity and capital are managed to preserve stable, reliable and cost-effective sources of cash to meet all current and future financial obligations and are provided by a variety of sources, including a portfolio of liquid assets, a diversified mix of short- and long-term funding sources from the wholesale financial markets and the ability to borrow through credit and committed facilities. Liquidity is monitored through the use of internal liquidity risk metrics, including the composition and level of the liquid asset portfolio, timing differences in short-term cash flow obligations, access to the financial markets for capital and debt transactions and exposure to contingent draws on MetLife, Inc.’s liquidity. MetLife, Inc. is an active participant in the global financial markets through which it obtains a significant amount of funding. These markets, which serve as cost-effective sources of funds, are critical components of MetLife, Inc.’s liquidity and capital management. Decisions to access these markets are based upon relative costs, prospective views of balance sheet growth and a targeted liquidity profile and capital structure. A disruption in the financial markets could limit MetLife, Inc.’s access to liquidity.

MetLife, Inc.’s ability to maintain regular access to competitively priced wholesale funds is fostered by its current credit ratings from the major credit rating agencies. We view our capital ratios, credit quality, stable and diverse earnings streams, diversity of liquidity sources and our liquidity monitoring procedures as critical to retaining such credit ratings.

Liquidity

For a summary of MetLife, Inc.'s liquidity, see “— The Company — Liquidity.”

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## Capital

For a summary of MetLife, Inc.'s capital, see “— The Company — Capital.” For further information regarding potential capital restrictions and limitations on MetLife, Inc. as a G-SII, see “— Industry Trends — Regulatory Developments — International Regulation — Other International and Global Regulatory Initiatives,” as well as “Business — Regulation — International Regulation — Other International and Global Regulatory Initiatives” included in the 2017 Annual Report. See also “— The Company — Liquidity and Capital Uses — Common Stock Repurchases” for information regarding MetLife, Inc.'s common stock repurchase authorizations.

## Liquid Assets

At September 30, 2018 and December 31, 2017, MetLife, Inc. and other MetLife holding companies had \$4.5 billion and \$5.7 billion, respectively, in liquid assets. Of these amounts, \$3.6 billion and \$4.1 billion were held by MetLife, Inc. and \$882 million and \$1.6 billion were held by other MetLife holding companies at September 30, 2018 and December 31, 2017, respectively. Liquid assets include cash and cash equivalents, short-term investments and publicly-traded securities excluding assets that are pledged or otherwise committed. Assets pledged or otherwise committed include amounts received in connection with derivatives and a collateral financing arrangement.

Liquid assets held in non-U.S. holding companies are generated in part through dividends from non-U.S. insurance operations. Such dividends are subject to local insurance regulatory requirements, as discussed in “— Liquidity and Capital Sources — Dividends from Subsidiaries.” The cumulative earnings of certain active non-U.S. operations have historically been reinvested indefinitely in such non-U.S. operations. Following a post-Separation review of our capital needs in the third quarter of 2017, we disclosed our intent to repatriate approximately \$3.0 billion of pre-2017 earnings. See Note 18 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report for information on the taxation of such cumulative earnings. The Company repatriated \$2.6 billion in the fourth quarter of 2017 and the remaining \$400 million in the second quarter of 2018. As a result of U.S. Tax Reform, we expect to repatriate future foreign earnings back to the U.S. with minimal or no additional U.S. tax. See also Note 13 of the Notes to the Interim Condensed Consolidated Financial Statements.

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — MetLife, Inc. — Liquid Assets” included in the 2017 Annual Report for additional information on the sources and uses of liquid assets, as well as sources and uses of liquid assets included in free cash flow for MetLife, Inc. and other MetLife holding companies.

## Liquidity and Capital Sources

In addition to the description of liquidity and capital sources in “— The Company — Summary of the Company’s Primary Sources and Uses of Liquidity and Capital” and “— The Company — Liquidity and Capital Sources,” MetLife, Inc.’s primary sources of liquidity and capital are set forth below.

## Dividends from Subsidiaries

MetLife, Inc. relies, in part, on dividends from its subsidiaries to meet its cash requirements. MetLife, Inc.’s insurance subsidiaries are subject to regulatory restrictions on the payment of dividends imposed by the regulators of their respective domiciles. The dividend limitation for U.S. insurance subsidiaries is generally based on the surplus to policyholders at the end of the immediately preceding calendar year and statutory net gain from operations for the immediately preceding calendar year. Statutory accounting practices, as prescribed by insurance regulators of various states in which we conduct business, differ in certain respects from accounting principles used in financial statements prepared in conformity with GAAP. The significant differences relate to the treatment of DAC, certain deferred income tax, required investment liabilities, statutory reserve calculation assumptions, goodwill and surplus notes.

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The table below sets forth the dividends permitted to be paid in 2018 by MetLife, Inc.'s primary insurance subsidiaries without insurance regulatory approval and the respective dividends paid during the nine months ended September 30, 2018:

Company	Paid (1) (In millions)	Permitted Without Approval (2)
Metropolitan Life Insurance Company	\$2,424(3)	\$ 3,075
American Life Insurance Company	\$2,200(4)	\$ —
Metropolitan Property and Casualty Insurance Company	\$—	\$ 125
Metropolitan Tower Life Insurance Company (5)	\$—	\$ 73
General American Life Insurance Company (5)	\$—	N/A

(1) Reflects all amounts paid, including those requiring regulatory approval.

Reflects dividend amounts that may be paid during 2018 without prior regulatory approval. However, because

(2) dividend tests may be based on dividends previously paid over rolling 12-month periods, if paid before a specified date during 2018, some or all of such dividends may require regulatory approval.

Represents ordinary dividends of \$1.7 billion and an extraordinary dividend of \$705 million that was paid with regulatory approval. The extraordinary dividend was paid in cash with proceeds from the sale to an affiliate of

(3) certain property, equipment, leasehold improvements and computer software that were non-admitted by Metropolitan Life Insurance Company for statutory accounting purposes. The affiliate received a capital contribution in cash from MetLife, Inc. to fund the purchase.

(4) Represents extraordinary dividends.

In April 2018, Metropolitan Tower Life Insurance Company (“MTL”) merged with General American Life Insurance Company. The surviving entity of the merger was MTL, which re-domesticated from Delaware to Nebraska

(5) immediately prior to the merger. Effective as of the re-domestication, MTL is subject to the dividend restrictions under Nebraska law, which are based on amounts reported in MTL's stand-alone statutory financial statements for the year ended December 31, 2017. See Note 10 of the Notes to the Interim Condensed Consolidated Financial Statements for additional information.

In addition to the amounts presented in the table above, during the nine months ended September 30, 2018, MetLife, Inc. received cash of \$32 million, representing returns of capital from certain subsidiaries.

The dividend capacity of our non-U.S. operations is subject to similar restrictions established by the local regulators.

The non-U.S. regulatory regimes also commonly limit dividend payments to the parent company to a portion of the subsidiary's prior year statutory income, as determined by the local accounting principles. The regulators of our non-U.S. operations, including Japan's Financial Services Agency, may also limit or not permit profit repatriations or other transfers of funds to the U.S. if such transfers are deemed to be detrimental to the solvency or financial strength of the non-U.S. operations, or for other reasons. Most of our non-U.S. subsidiaries are second tier subsidiaries which are owned by various non-U.S. holding companies. The capital and rating considerations applicable to our first tier subsidiaries may also impact the dividend flow into MetLife, Inc.

We proactively manage target and excess capital levels and dividend flows and forecast local capital positions as part of the financial planning cycle. The dividend capacity of certain U.S. and non-U.S. subsidiaries is also subject to business targets in excess of the minimum capital necessary to maintain the desired rating or level of financial strength in the relevant market. See “Risk Factors — Capital-Related Risks — As a Holding Company, MetLife, Inc. Depends on the Ability of Its Subsidiaries to Pay Dividends, a Major Component of Holding Company Free Cash Flow” and Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

#### Short-term Debt

MetLife, Inc. maintains a commercial paper program, the proceeds of which can be used to finance the general liquidity needs of MetLife, Inc. and its subsidiaries. MetLife, Inc. had no short-term debt outstanding at either September 30, 2018 or December 31, 2017.



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## Preferred Stock

For information on MetLife, Inc.'s preferred stock, see “— The Company — Liquidity and Capital Sources — Global Funding Sources — Preferred Stock” and “— The Company — Liquidity and Capital Uses — Dividends — Preferred Stock Dividends.”

## Redenomination of Affiliated Long-term Debt

In May 2018, \$500 million in senior notes previously issued by MetLife, Inc. to MLIC and other subsidiaries were redenominated to new 54.6 billion Japanese yen senior notes. The 54.6 billion Japanese yen senior notes mature in December 2021 and bear interest at a rate per annum of 3.14%, payable semi-annually.

In April 2018, \$500 million in senior notes previously issued by MetLife, Inc. to MLIC and other subsidiaries were redenominated to new 53.7 billion Japanese yen senior notes. The 53.7 billion Japanese yen senior notes mature in July 2021 and bear interest at a rate per annum of 2.97%, payable semi-annually.

In March 2018, three senior notes previously issued by MetLife, Inc. to MLIC were redenominated to Japanese yen. A \$500 million senior note was redenominated to a new 53.3 billion Japanese yen senior note. The 53.3 billion Japanese yen senior note matures in June 2019 and bears interest at a rate per annum of 1.45%, payable semi-annually. A \$250 million senior note was redenominated to a new 26.5 billion Japanese yen senior note. The 26.5 billion Japanese yen senior note matures in October 2019 and bears interest at a rate per annum of 1.72%, payable semi-annually. A \$250 million senior note was also redenominated to a new 26.5 billion Japanese yen senior note. The 26.5 billion Japanese yen senior note matures in September 2020 and bears interest at a rate per annum of 0.82%, payable semi-annually.

## Credit and Committed Facilities

See “— The Company — Liquidity and Capital Sources — Global Funding Sources — Credit and Committed Facilities” for further information regarding the unsecured revolving credit facility and these committed facilities.

Our committed facilities are used as collateral for certain of the Company's reinsurance liabilities. MetLife, Inc. is a party and/or guarantor to committed facilities of certain of its subsidiaries, which aggregated \$3.3 billion at September 30, 2018.

## Long-term Debt Outstanding

The following table summarizes the outstanding long-term debt of MetLife, Inc. at:

	September 30, 2018	December 31, 2017
	(In millions)	
Long-term debt — unaffiliated	\$ 12,365	\$ 14,599
Long-term debt — affiliated	\$ 1,890	\$ 2,000
Junior subordinated debt securities	\$ 2,455	\$ 2,454

## Debt and Facility Covenants

Certain of MetLife, Inc.'s debt instruments and committed facilities, as well as its unsecured revolving credit facility, contain various administrative, reporting, legal and financial covenants. MetLife, Inc. believes it was in compliance with all applicable financial covenants at September 30, 2018.

## Liquidity and Capital Uses

The primary uses of liquidity of MetLife, Inc. include debt service, cash dividends on common and preferred stock, capital contributions to subsidiaries, common stock, preferred stock and debt repurchases, payment of general operating expenses and acquisitions. Based on our analysis and comparison of our current and future cash inflows from the dividends we receive from subsidiaries that are permitted to be paid without prior insurance regulatory approval, our investment portfolio and other cash flows and anticipated access to the capital markets, we believe there will be sufficient liquidity and capital to enable MetLife, Inc. to make payments on debt, pay cash dividends on its common and preferred stock, contribute capital to its subsidiaries, repurchase its common stock, pay all general operating expenses and meet its cash needs.

In addition to the description of liquidity and capital uses in “— The Company — Liquidity and Capital Uses,” MetLife, Inc.'s primary uses of liquidity and capital are set forth below.

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## Affiliated Capital and Debt Transactions

During the nine months ended September 30, 2018 and 2017, MetLife, Inc. invested a net amount of \$716 million and \$735 million, respectively, in various subsidiaries.

MetLife, Inc. lends funds, as necessary, to its subsidiaries and affiliates, some of which are regulated, to meet their capital requirements. MetLife, Inc. had loans to subsidiaries outstanding of \$100 million at both September 30, 2018 and December 31, 2017.

## Support Agreements

MetLife, Inc. is party to various capital support commitments and guarantees with certain of its subsidiaries. Under these arrangements, MetLife, Inc. has agreed to cause each such entity to meet specified capital and surplus levels or has guaranteed certain contractual obligations. See “— The Company — Liquidity and Capital Uses — Support Agreements.”

## Adoption of New Accounting Pronouncements

See Note 1 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Future Adoption of New Accounting Pronouncements

See Note 1 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Non-GAAP and Other Financial Disclosures

In this report, the Company presents certain measures of its performance that are not calculated in accordance with GAAP. We believe that these non-GAAP financial measures enhance the understanding of our performance by highlighting the results of operations and the underlying profitability drivers of our business.

The following non-GAAP financial measures should not be viewed as substitutes for the most directly comparable financial measures calculated in accordance with GAAP:

Non-GAAP financial measures:	Comparable GAAP financial measures:
(i) adjusted revenues	(i) revenues
(ii) adjusted expenses	(ii) expenses
(iii) adjusted earnings	(iii) income (loss) from continuing operations, net of income tax
(iv) adjusted earnings available to common shareholders	(iv) net income (loss) available to MetLife, Inc.’s common shareholders

Reconciliations of these non-GAAP measures to the most directly comparable historical GAAP measures are included in the results of operations, see “— Results of Operations.” Reconciliations of these non-GAAP measures to the most directly comparable GAAP measures are not accessible on a forward-looking basis because we believe it is not possible without unreasonable effort to provide other than a range of net investment gains and losses and net derivative gains and losses, which can fluctuate significantly within or outside the range and from period to period and may have a material impact on net income.

Our definitions of the various non-GAAP and other financial measures discussed in this report may differ from those used by other companies.

## Adjusted earnings and related measures:

- adjusted earnings; and
- adjusted earnings available to common shareholders.

These measures are used by management to evaluate performance and allocate resources. Consistent with GAAP guidance for segment reporting, adjusted earnings is also our GAAP measure of segment performance. Adjusted earnings and other financial measures based on adjusted earnings are also the measures by which senior management’s and many other employees’ performance is evaluated for the purposes of determining their compensation under applicable compensation plans. Adjusted earnings and other financial measures based on adjusted earnings allow analysis of our performance relative to our business plan and facilitate comparisons to industry results.

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Adjusted earnings is defined as adjusted revenues less adjusted expenses, net of income tax. Adjusted loss is defined as negative adjusted earnings. Adjusted earnings available to common shareholders is defined as adjusted earnings less preferred stock dividends.

**Adjusted revenues and adjusted expenses**

The financial measures of adjusted revenues and adjusted expenses focus on our primary businesses principally by excluding the impact of market volatility, which could distort trends, and revenues and costs related to non-core products and certain entities required to be consolidated under GAAP. Also, these measures exclude results of discontinued operations under GAAP and other businesses that have been or will be sold or exited by MetLife but do not meet the discontinued operations criteria under GAAP and are referred to as divested businesses. Divested businesses also includes the net impact of transactions with exited businesses that have been eliminated in consolidation under GAAP and costs relating to businesses that have been or will be sold or exited by MetLife that do not meet the criteria to be included in results of discontinued operations under GAAP. Adjusted revenues also excludes net investment gains (losses) and net derivative gains (losses). Adjusted expenses also excludes goodwill impairments.

The following additional adjustments are made to revenues, in the line items indicated, in calculating adjusted revenues:

- Universal life and investment-type product policy fees excludes the amortization of unearned revenue related to net investment gains (losses) and net derivative gains (losses) and certain variable annuity GMIB fees (“GMIB fees”);
- Net investment income: (i) includes earned income on derivatives and amortization of premium on derivatives that are hedges of investments or that are used to replicate certain investments, but do not qualify for hedge accounting treatment, (ii) excludes post-tax adjusted earnings adjustments relating to insurance joint ventures accounted for under the equity method, (iii) excludes certain amounts related to contractholder-directed unit-linked investments, (iv) excludes certain amounts related to securitization entities that are VIEs consolidated under GAAP and (v) includes distributions of profits from certain other limited partnership interests that were previously accounted for under the cost method, but are now accounted for at estimated fair value, where the change in estimated fair value is recognized in net investment gains (losses) for GAAP; and

- Other revenues is adjusted for settlements of foreign currency earnings hedges and excludes fees received in association with services provided under transition service agreements (“TSA fees”).

The following additional adjustments are made to expenses, in the line items indicated, in calculating adjusted expenses:

- Policyholder benefits and claims and policyholder dividends excludes: (i) changes in the policyholder dividend obligation related to net investment gains (losses) and net derivative gains (losses), (ii) inflation-indexed benefit adjustments associated with contracts backed by inflation-indexed investments and amounts associated with periodic crediting rate adjustments based on the total return of a contractually referenced pool of assets and other pass through adjustments, (iii) benefits and hedging costs related to GMIBs (“GMIB costs”) and (iv) market value adjustments associated with surrenders or terminations of contracts (“Market value adjustments”);

- Interest credited to policyholder account balances includes adjustments for earned income on derivatives and amortization of premium on derivatives that are hedges of policyholder account balances but do not qualify for hedge accounting treatment and excludes amounts related to net investment income earned on contractholder-directed unit-linked investments;

- Amortization of DAC and VOBA excludes amounts related to: (i) net investment gains (losses) and net derivative gains (losses), (ii) GMIB fees and GMIB costs and (iii) Market value adjustments;

- Amortization of negative VOBA excludes amounts related to Market value adjustments;

- Interest expense on debt excludes certain amounts related to securitization entities that are VIEs consolidated under GAAP; and

- Other expenses excludes costs related to: (i) noncontrolling interests, (ii) implementation of new insurance regulatory requirements and (iii) acquisition, integration and other costs. Other expenses includes TSA fees.

Adjusted earnings also excludes the recognition of certain contingent assets and liabilities that could not be recognized at acquisition or adjusted for during the measurement period under GAAP business combination accounting guidance.



The tax impact of the adjustments mentioned above are calculated net of the U.S. or foreign statutory tax rate, which could differ from the Company's effective tax rate. Additionally, the provision for income tax (expense) benefit also includes the impact related to the timing of certain tax credits, as well as certain tax reforms.

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## Allocated equity:

Allocated equity is the portion of MetLife, Inc.'s common stockholders' equity that management allocates to each of its segments and sub-segments based on local capital requirements and economic capital. See "— Economic Capital."

Allocated equity excludes the impact of accumulated other comprehensive income other than foreign currency translation adjustments.

The above measure represents a level of equity consistent with the view that, in the ordinary course of business, we do not plan to sell most investments for the sole purpose of realizing gains or losses. Also refer to the utilization of adjusted earnings and other financial measures based on adjusted earnings mentioned above.

The following additional information is relevant to an understanding of our performance results:

The impact of changes in our foreign currency exchange rates is calculated using the average foreign currency exchange rates for the current period and is applied to each of the comparable periods ("Constant Currency Basis").

We sometimes refer to sales activity for various products. These sales statistics do not correspond to revenues under GAAP, but are used as relevant measures of business activity. Further, sales statistics for our Latin America, Asia and EMEA segments are on a Constant Currency Basis.

Asymmetrical and non-economic accounting refers to: (i) the portion of net derivative gains (losses) on embedded derivatives attributable to the inclusion of our credit spreads in the liability valuations, (ii) hedging activity that generates net derivative gains (losses) and creates fluctuations in net income because hedge accounting cannot be achieved and the item being hedged does not have an offsetting gain or loss recognized in earnings, (iii) inflation-indexed benefit adjustments associated with contracts backed by inflation-indexed investments and amounts associated with periodic crediting rate adjustments based on the total return of a contractually referenced pool of assets and other pass through adjustments, and (iv) impact of changes in foreign currency exchange rates on the re-measurement of foreign denominated unhedged funding agreements and financing transactions to the U.S. dollar and the re-measurement of certain liabilities from non-functional currencies to functional currencies. We believe that excluding the impact of asymmetrical and non-economic accounting from total GAAP results enhances investor understanding of our performance by disclosing how these accounting practices affect reported GAAP results.

The Company uses a measure of free cash flow to facilitate an understanding of its ability to generate cash for reinvestment into its businesses or use in non-mandatory capital actions. The Company defines free cash flow as the sum of cash available at MetLife's holding companies from dividends from operating subsidiaries, expenses and other net flows of the holding companies (including capital contributions to subsidiaries), and net contributions from debt to be at or below target leverage ratios. This measure of free cash flow is prior to capital actions, such as common stock dividends and repurchases, debt reduction and mergers and acquisitions. Free cash flow should not be viewed as a substitute for net cash provided by (used in) operating activities calculated in accordance with GAAP. The free cash flow ratio is typically expressed as a percentage of annual adjusted earnings available to common shareholders.

## Subsequent Events

See Note 16 of the Notes to the Interim Condensed Consolidated Financial Statements.

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Item 3. Quantitative and Qualitative Disclosures About Market Risk

We regularly analyze our exposure to interest rate, equity market price and foreign currency exchange rate risks. As a result of that analysis, we have determined that the estimated fair values of certain assets and liabilities are materially exposed to changes in interest rates, foreign currency exchange rates and changes in the equity markets. We have exposure to market risk through our insurance operations and investment activities. We use a variety of strategies to manage interest rate, foreign currency exchange rate and equity market risk, including the use of derivatives. A description of our market risk exposures may be found under “Quantitative and Qualitative Disclosures About Market Risk” in Part II, Item 7A, of the 2017 Annual Report.

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Item 4. Controls and Procedures

Based on the Company's review, MetLife, Inc.'s Chief Executive Officer ("CEO") and former CFO identified material weaknesses in the design and operation of its internal control over financial reporting. Management concluded that the Company has not maintained effective controls over (i) the administrative and accounting practices relating to certain RIS group annuity reserves and the timely communication and escalation of issues regarding those reserves throughout the Company, and (ii) the calculation of reserves relating to variable annuity guarantees issued by a former operating joint venture in Japan and reinsured by the Company and included within MetLife Holdings. Management identified errors in reserve balances in connection with these material weaknesses. For more information on these reserve adjustments, see Note 1 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

While the Company is making progress toward remediating these material weaknesses (as described below under "Remediation Status of Reported Material Weaknesses"), the Company had not completed its remediation as of September 30, 2018.

Evaluation of Disclosure Controls and Procedures

Management, including the CEO and current CFO, evaluated the effectiveness of the design and operation of the Company's disclosure controls and procedures pursuant to Rules 13a-15(e) and 15d-15(e) under the Exchange Act as of September 30, 2018. Solely because of the material weaknesses in internal control over financial reporting reported in the 2017 Annual Report, MetLife Inc.'s CEO and current CFO concluded that, as of September 30, 2018, our disclosure controls and procedures were not effective.

Remediation Status of Reported Material Weaknesses

Management continues to execute its plan to remediate the material weaknesses. As of September 30, 2018, management had performed the following activities:

RIS Group Annuity Reserves:

The Company completed its examination and analysis of the facts and circumstances giving rise to the material weakness under the supervision of MetLife, Inc.'s Chief Risk Officer. The Company is addressing the examination findings through ongoing remediation. The Company continues to believe the remediation plan remains appropriate; The Company continued its enhanced search practices to identify, contact, and act upon responses from "unresponsive and missing" plan annuitants; and

The Company enhanced the internal controls associated with the internal communication and escalation governance process it implemented for the 2017 Annual Report, as well as subsequently filed Quarterly Reports on Form 10-Q. MetLife Holdings Assumed Variable Annuity Guarantee Reserves:

The Company completed the examination and analysis of the facts and circumstances giving rise to the material weakness under the supervision of the Chief Auditor. The Company is addressing the examination findings through ongoing remediation. The Company continues to believe the remediation plan remains appropriate.

The remediation steps outlined above will strengthen the Company's internal control over financial reporting.

Management continues to test the ongoing operating effectiveness of all new and modified controls and will consider the material weaknesses remediated after the applicable controls operate effectively for a sufficient period.

In addition, the Company continued to enhance the model risk management and data validation controls, policies and procedures. The Company will continue to evaluate, update and improve its internal control over financial reporting as management executes on its remediation plans.

Changes in Internal Control Over Financial Reporting

There were no changes to the Company's internal control over financial reporting as defined in Exchange Act Rules 13a-15(d) and 15d-15(d) that occurred during the quarter ended September 30, 2018 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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## Part II — Other Information

## Item 1. Legal Proceedings

See Note 15 of the Notes to the Interim Condensed Consolidated Financial Statements.

## Item 1A. Risk Factors

Certain factors that may affect the Company's business or operations are described under "Risk Factors" in Part I, Item 1A, of the 2017 Annual Report, as amended or supplemented in our subsequently filed Quarterly Reports on Form 10-Q under Item 1A. Risk Factors. Other than as so amended or supplemented and as described in this Item 1A, there have been no other material changes to our risk factors from the risk factors previously disclosed in the 2017 Annual Report.

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

## Issuer Purchases of Equity Securities

Purchases of MetLife, Inc. common stock made by or on behalf of MetLife, Inc. or its affiliates during the quarter ended September 30, 2018 are set forth below:

Period	Total Number of Shares Purchased (1)	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number (or Approximate Dollar Value) of Shares that May Yet Be Purchased Under the Plans or Programs (2)
July 1 — July 31, 2018	5,332,323	\$ 44.17	5,332,323	\$ 870,341,428
August 1 — August 31, 2018	8,730,112	\$ 45.82	8,730,112	\$ 470,341,462
September 1 — September 30, 2018	91	\$ 48.78	—	\$ 470,341,462
Total	14,062,526		14,062,435	

(1) Except for the foregoing, there were no shares of MetLife, Inc. common stock repurchased by MetLife, Inc. During the periods July 1 through July 31, 2018, August 1 through August 31, 2018 and September 1 through September 30, 2018, separate account index funds purchased 0 shares, 0 shares and 91 shares, respectively, of MetLife, Inc. common stock on the open market in non-discretionary transactions.

(2) On May 22, 2018, MetLife, Inc. announced that its Board of Directors authorized \$1.5 billion of common stock repurchases. At September 30, 2018, MetLife, Inc. had \$470 million of common stock repurchases remaining under the May 2018 authorization. On November 1, 2018, MetLife, Inc. announced that its Board of Directors authorized an additional \$2.0 billion of common stock repurchases. For more information on common stock repurchases, see "Management's Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — The Company — Liquidity and Capital Uses — Common Stock Repurchases." See also "Risk Factors — Capital-Related Risks — Legal and Regulatory Restrictions and Uncertainty and Restrictions Under the Terms of Certain of Our Securities May Prevent Us from Repurchasing Our Stock and Paying Dividends at the Level We Wish" and Note 15 of the Notes to the Consolidated Financial Statements included in the 2017 Annual Report.

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## Item 6. Exhibits

(Note Regarding Reliance on Statements in Our Contracts: In reviewing the agreements included as exhibits to this Quarterly Report on Form 10-Q, please remember that they are included to provide you with information regarding their terms and are not intended to provide any other factual or disclosure information about MetLife, Inc., its subsidiaries or affiliates, or the other parties to the agreements. The agreements contain representations and warranties by each of the parties to the applicable agreement. These representations and warranties have been made solely for the benefit of the other parties to the applicable agreement and (i) should not in all instances be treated as categorical statements of fact, but rather as a way of allocating the risk to one of the parties if those statements prove to be inaccurate; (ii) have been qualified by disclosures that were made to the other party in connection with the negotiation of the applicable agreement, which disclosures are not necessarily reflected in the agreement; (iii) may apply standards of materiality in a way that is different from what may be viewed as material to investors; and (iv) were made only as of the date of the applicable agreement or such other date or dates as may be specified in the agreement and are subject to more recent developments. Accordingly, these representations and warranties may not describe the actual state of affairs as of the date they were made or at any other time. Additional information about MetLife, Inc., its subsidiaries and affiliates may be found elsewhere in this Quarterly Report on Form 10-Q and MetLife, Inc.'s other public filings, which are available without charge through the U.S. Securities and Exchange Commission website at [www.sec.gov](http://www.sec.gov).)

Exhibit No.	Description	Incorporated by Reference			Filed or Furnished Herewith
		Form	File Number	Exhibit Filing Date	
3.1	<u>Amended and Restated By-Laws of MetLife, Inc., effective September 25, 2018.</u>	8-K	001-15787	3.2	October 1, 2018
10.1	<u>Letter of Understanding, dated August 23, 2018, effective September 1, 2018, with Kishore Ponnvalu.*</u>				X
10.2	<u>Amendment Number 8 to the MetLife Auxiliary Retirement Plan (as amended and restated, effective January 1, 2008, formerly referred to as the "MetLife Auxiliary Pension Plan" until March 15, 2018), dated September 4, 2018 (effective March 15, 2018).*</u>				X
10.3	<u>Amendment Number 9 to the MetLife Auxiliary Retirement Plan (as amended and restated, effective January 1, 2008), dated September 26, 2018 (effective January 1, 2023).*</u>				X
31.1	<u>Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</u>				X
31.2	<u>Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</u>				X
32.1					X

Certification of Chief Executive Officer pursuant to  
Section 906 of the Sarbanes-Oxley Act of 2002.

32.2	<u>Certification of Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.</u>	X
101.INS	XBRL Instance Document.	X
101.SCH	XBRL Taxonomy Extension Schema Document.	X
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document.	X
101.LAB	XBRL Taxonomy Extension Label Linkbase Document.	X
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document.	X
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document.	X

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\*Indicates management contracts or compensatory plans or arrangements.

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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.

METLIFE, INC.

By: /s/ William C. O'Donnell

Name: William C. O'Donnell

Title: Executive Vice President  
and Chief Accounting Officer  
(Authorized Signatory and Principal  
Accounting Officer)

Date: November 7, 2018