



Consolidated Financial Statements

Years ended 2017, 2016, and 2015

**ATHENE LIFE RE LTD.
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April 30, 2018

Report of Independent Auditors

To the Board of Directors and Shareholder of Athene Life Re Ltd.

We have audited the accompanying financial statements of Athene Life Re Ltd., which comprise the balance sheets as of December 31, 2017, 2016 and 2015, and the related statements of income (loss), comprehensive income (loss), equity and cash flows for the years then ended.

Management's responsibility for the financial statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' responsibility

Our responsibility is to express an opinion on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Athene Life Re Ltd. as of December 31, 2017, 2016 and 2015, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

PricewaterhouseCoopers Ltd.

Chartered Professional Accountants

ATHENE LIFE RE LTD.
Consolidated Balance Sheets

<i>(In millions)</i>	December 31,		
	2017	2016	2015
Assets			
Investments			
Available-for-sale securities, fixed maturity securities, at fair value (amortized cost: 2017 - \$4,703, 2016 - \$3,801 and 2015 - \$3,020)	\$ 4,858	\$ 3,800	\$ 2,943
Trading securities, at fair value	316	323	238
Investment funds	486	531	624
Funds withheld at interest	58,943	49,455	43,879
Derivative assets	1	1	1
Short-term investments, at fair value	15	26	37
Total investments	64,619	54,136	47,722
Cash and cash equivalents	361	130	253
Restricted cash	11	11	9
Accrued investment income	40	31	22
Deferred acquisition costs and deferred sales inducements	2,614	2,392	2,028
Other assets	45	54	4
Assets of consolidated variable interest entities	22	—	—
Total Assets	\$ 67,712	\$ 56,754	\$ 50,038
Liabilities and Equity			
Liabilities			
Interest sensitive contract liabilities (portion at fair value: 2017 - \$6,034, 2016 - \$4,285 and 2015 - \$3,540)	\$ 53,579	\$ 47,707	\$ 42,975
Future policy benefits	6,885	4,134	3,682
Other policy claims and benefits	12	14	30
Derivative liabilities	1	—	—
Reinsurance payable	—	—	1
Other liabilities	74	26	35
Due to affiliates	2	3	—
Total Liabilities	60,553	51,884	46,723
Equity			
Common shares	2	2	2
Additional paid-in-capital	2,292	2,292	2,292
Retained earnings	4,673	2,563	1,098
Accumulated other comprehensive income (loss)	192	13	(77)
Total Equity	7,159	4,870	3,315
Total Liabilities and Equity	\$ 67,712	\$ 56,754	\$ 50,038

See accompanying notes to consolidated financial statements

ATHENE LIFE RE LTD.
Consolidated Statements of Income (Loss)

<i>(In millions)</i>	Years ended December 31,		
	2017	2016	2015
Revenue			
Premiums	\$ 1,768	\$ 15	\$ 37
Product charges	270	220	191
Net investment income ¹	5,692	3,492	452
Net investment income from consolidated variable interest entities	2	—	—
Other revenues	—	2	—
Total revenues	<u>7,732</u>	<u>3,729</u>	<u>680</u>
Benefits and Expenses			
Interest sensitive contract benefits	1,971	948	519
Future policy and other policy benefits	2,945	670	116
Amortization of deferred sales inducements	86	53	(8)
Amortization of deferred acquisition costs	263	264	(98)
Policy and other operating expenses	357	329	303
Total benefits and expenses	<u>5,622</u>	<u>2,264</u>	<u>832</u>
Net Income (Loss)	<u>\$ 2,110</u>	<u>\$ 1,465</u>	<u>\$ (152)</u>

¹ Includes the change in unrealized gain (loss) mark-to-market impacts of \$1,253 million, \$882 million and \$(1,415) million for the years ended December 31, 2017, 2016 and 2015, respectively. See Note 2 - Investments for more information.

See accompanying notes to consolidated financial statements

Consolidated Statements of Comprehensive Income (Loss)

<i>(In millions)</i>	Years ended December 31,		
	2017	2016	2015
Net income (loss)	\$ 2,110	\$ 1,465	\$ (152)
Other comprehensive income (loss)			
Change in unrealized investment gains (losses) on available-for-sale securities	170	76	(94)
Other comprehensive income on equity method investment funds	9	14	—
Other comprehensive income (loss)	<u>179</u>	<u>90</u>	<u>(94)</u>
Comprehensive income (loss)	<u>\$ 2,289</u>	<u>\$ 1,555</u>	<u>\$ (246)</u>

See accompanying notes to consolidated financial statements

ATHENE LIFE RE LTD.
Consolidated Statements of Equity

<i>(In millions)</i>	Common shares	Additional paid- in capital	Retained earnings	Accumulated other comprehensive income (loss)	Total equity
Balance at December 31, 2014	\$ 2	\$ 1,152	\$ 1,250	\$ 17	\$ 2,421
Net loss	—	—	(152)	—	(152)
Other comprehensive loss	—	—	—	(94)	(94)
Capital contributions received	—	1,140	—	—	1,140
Balance at December 31, 2015	\$ 2	\$ 2,292	\$ 1,098	\$ (77)	\$ 3,315
Net income	—	—	1,465	—	1,465
Other comprehensive income	—	—	—	90	90
Balance at December 31, 2016	\$ 2	\$ 2,292	\$ 2,563	\$ 13	\$ 4,870
Net income	—	—	2,110	—	2,110
Other comprehensive income	—	—	—	179	179
Balance at December 31, 2017	\$ 2	\$ 2,292	\$ 4,673	\$ 192	\$ 7,159

See accompanying notes to consolidated financial statements

ATHENE LIFE RE LTD.
Consolidated Statements of Cash Flows

(In millions)	Years ended December 31,		
	2017	2016	2015
Cash flows from operating activities			
Net income (loss)	\$ 2,110	\$ 1,465	\$ (152)
Adjustments to reconcile net income to net cash provided by operating activities:			
Amortization of deferred acquisition costs	263	264	(98)
Amortization of deferred sales inducements	86	53	(8)
Accretion of net investment premiums, discounts, and other	(40)	(53)	(18)
Product charges ¹	(270)	(220)	(191)
Interest sensitive contract benefits ^{1,2}	1,971	948	519
Net investment loss ³	14	63	69
Other non-cash income adjustments related to funds withheld and modified coinsurance agreements			
Premiums	(1,768)	(15)	(37)
Net investment income on funds withheld at interest	(5,510)	(3,386)	(423)
Policy and other operating expenses	340	311	286
Future policy benefits and other policy claims and benefits	2,945	670	116
Other changes in operating assets and liabilities:			
Accrued investment income	(9)	(9)	(12)
Cash profit settlements on funds withheld and modified coinsurance agreements	257	182	130
Other assets and liabilities	(5)	(6)	(10)
Net cash provided by operating activities	384	267	171
Cash flows from investing activities			
Sales, maturities, and repayments of:			
Available-for-sale securities, fixed maturity securities	1,521	979	443
Trading securities	34	21	96
Investment funds	221	82	161
Short-term investments	36	223	56
Purchases of:			
Available-for-sale securities, fixed maturity securities	(1,787)	(1,315)	(1,050)
Trading securities	(47)	(113)	(62)
Investment funds	(123)	(73)	(232)
Short-term investments	(13)	(210)	(78)
Purchases of investments of consolidated variable interest entities	(22)	—	—
Net changes of cash collateral posted for derivative transactions	2	(2)	—
Cash settlement of derivatives	—	—	2
Change in restricted cash	—	(2)	14
Other investing activities, net	36	1	—
Net cash used in investing activities	(142)	(409)	(650)

(Continued)

¹ Comprised of impacts related to funds withheld, modified coinsurance, and coinsurance agreements.

² Comprised of interest credited to policyholder account balances, changes in fair value of embedded derivatives associated with fixed indexed annuities, and amortization of unearned revenue reserves.

³ Comprised of realized (gains) losses on investments, (income) losses on equity method investments net of dividend distributions, and changes in fair value of trading securities.

See accompanying notes to consolidated financial statements

ATHENE LIFE RE LTD.
Consolidated Statements of Cash Flows

<i>(In millions)</i>	Years ended December 31,		
	2017	2016	2015
Cash flows from financing activities			
Capital contributions	\$ —	\$ —	\$ 432
Deposits on investment-type policies and contracts	—	33	—
Withdrawals on investment-type policies and contracts	(11)	(14)	(13)
Net cash (used in) provided by financing activities	(11)	19	419
Net increase (decrease) in cash and cash equivalents	231	(123)	(60)
Cash and cash equivalents at beginning of year	130	253	313
Cash and cash equivalents at end of year	\$ 361	\$ 130	\$ 253
Supplementary information			
Cash paid for interest	\$ —	\$ —	\$ 6
Non-cash transactions			
Premiums and deposits on policies reinsured through funds withheld and modified coinsurance agreements	10,168	7,863	3,731
Claims and surrenders on policies reinsured through funds withheld and modified coinsurance agreements	4,569	4,233	4,155
Non-cash capital contributions in the form of securities	—	—	708
Non-cash net profit settlements on funds withheld and modified coinsurance agreements in the form of securities	605	404	727

Profit withdrawals from our funds withheld reinsurance and modified coinsurance accounts are based on the statutory earnings of the associated assets and liabilities. The profit (loss) under these agreements is typically settled on a quarterly basis and can be settled in either cash or securities. The portion settled in both cash and securities is included in the table below, with the cash basis portion being reflected within cash from operations, and the securities portion disclosed as a non-cash transaction.

	Years ended December 31,		
	2017	2016	2015
Net cash provided by operating activities	\$ 384	\$ 267	\$ 171
Non-cash net settlements on funds withheld and modified coinsurance agreements in the form of securities	605	404	727
Total	\$ 989	\$ 671	\$ 898

(Concluded)

See accompanying notes to consolidated financial statements

1. Business, Basis of Presentation and Significant Accounting Policies

Athene Life Re Ltd. (ALRe, the Company, we, us, or our), a Bermuda exempted company, is a leading retirement services company that reinsures retirement savings products that originate in all 50 U.S. states and the District of Columbia. ALRe is wholly owned by Athene Holding Ltd. (AHL, or the Parent), a publicly traded Bermuda exempted company. ALRe reinsures business from both third party cedants and affiliates. See *Note 7 - Reinsurance* for more information.

The Company was registered as a Class E long-term insurer on June 26, 2009 under the Insurance Act 1978 of Bermuda. The Company is engaged in the business of annuity reinsurance, focusing on contracts reinsuring a quota share of future sales (flow transactions) of various fixed annuity product lines. The Company also reinsures closed blocks of existing business (block transactions). Liabilities for reinsurance include immediate annuities, fixed deferred annuities (including fixed indexed products), funding agreements and pension risk transfer obligations.

As of December 31, 2017, Fitch, S&P and A.M. Best had issued credit ratings, financial strength ratings and/or outlook statements regarding us, as listed below. Credit ratings represent the opinions of rating agencies regarding an entity’s ability to repay its indebtedness. Financial strength ratings represent the opinions of rating agencies regarding the financial ability of an insurer or reinsurer to meet its obligations under an insurance policy or reinsurance arrangement and generally involve quantitative and qualitative evaluations by rating agencies of a company’s financial condition and operating performance. Generally, rating agencies base their financial strength ratings upon information furnished to them by the company and upon their own investigations, studies and assumptions. Financial strength ratings are based upon factors of concern to policyholders, agents, intermediaries and ceding companies and are not directed toward the protection of investors. Credit and financial strength ratings are not recommendations to buy, sell or hold securities and they may be revised or revoked at any time at the sole discretion of the rating organization.

	December 31, 2017		
	A.M. Best	S&P	Fitch
Financial Strength Rating	A	A-	A-
Outlook	Stable	Positive	Stable

Consolidation and Basis of Presentation - The consolidated financial statements of the Company include any variable interest entities (VIEs) for which we are the primary beneficiary. Investments in entities that we do not control, but have the ability to exercise significant influence over operating and financing decisions, other than investments for which we have elected the fair value option, are accounted for under the equity method. Intercompany balances and transactions have been eliminated.

In addition, we consolidate certain VIEs, for which we determined we are the primary beneficiary, as discussed in *Note 4 - Variable Interest Entities*.

We have prepared the consolidated financial statements in accordance with accounting principles generally accepted in the United States of America (GAAP), which requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the period. Actual experience could materially differ from these estimates and assumptions. The Company's principal estimates impact:

- fair value of investments;
- impairment of investments and valuation allowances;
- derivatives valuation, including embedded derivatives;
- deferred acquisition costs (DAC), deferred sales inducements (DSI), and reinsurance intangibles; and
- future policy benefit reserves.

Additional details around these principal estimates and assumptions are discussed in the significant accounting policies that follow and the related footnote disclosures.

Investments

Fixed Maturity and Equity Securities – Fixed maturity securities includes bonds, collateralized loan obligations (CLOs), asset-backed securities (ABS), residential mortgage-backed securities (RMBS), commercial mortgage-backed securities (CMBS), and redeemable preferred stock. Equity securities includes common stock, mutual funds, and non-redeemable preferred stock. We classify fixed maturity and equity securities as available-for-sale (AFS) or trading at the time of purchase and subsequently carry them at fair value. Fair value hierarchy and valuation methodologies are discussed in *Note 5 - Fair Value*. Classification is dependent on a variety of factors including our expected holding period, election of the fair value option, and asset and liability matching.

AFS Securities – Unrealized gains and losses on AFS securities are reflected in accumulated other comprehensive income (loss) (AOCI) on the consolidated balance sheets.

Trading Securities – We elected the fair value option for certain fixed maturity securities. These fixed maturity securities are classified as trading, with changes to fair value included in net investment income on the consolidated statements of income (loss). Although the securities are classified as trading, the trading activity related to these investments is primarily focused on asset and liability matching activities and is not intended to be an income strategy based on active trading. As such, the activity related to these investments on the consolidated statements of cash flows is classified as investing activities.

We generally record security transactions on a trade date basis, with any unsettled trades recorded in other assets or other liabilities on the consolidated balance sheets. For those security transactions not recorded on a trade date basis, such as private placement and investment fund purchases, we record on a settlement date basis.

Purchased Credit Impaired (PCI) Investments – We purchase certain structured securities, primarily RMBS and re-performing mortgage loans, having deterioration in credit quality since their issuance which meet the definition of PCI investments. We determined, based on our expectations as to the timing and amount of cash flows expected to be received, that it was probable at acquisition that we would not collect all contractually required payments, including both principal and interest, while also considering the effects of any prepayments for these PCI investments. Based on these assumptions, the difference between the undiscounted expected future cash flows of the PCI investment and the recorded investment represents the initial accretable yield, which is accreted into investment income, net of related expenses, over its remaining life on a level-yield basis. The difference between the contractually required payments on the PCI investment and the undiscounted expected future cash flows represents the non-accretable difference at acquisition. Over time, based on actual payments received and changes in estimates of undiscounted expected future cash flows, the accretable yield and the non-accretable difference can change. PCI investments are presented on the consolidated financial statements consistent with AFS securities or mortgage loans depending on the underlying investments.

Quarterly, we evaluate the undiscounted expected future cash flows associated with PCI investments based on updates to key assumptions. Changes to undiscounted expected future cash flows due solely to the changes in the contractual benchmark interest rates on variable rate PCI investments will change the accretable yield prospectively. Declines in undiscounted expected future cash flows due to further credit deterioration, as well as changes in the expected timing of the cash flows, can result in the recognition of an other-than-temporary impairment (OTTI) charge for PCI securities or a valuation allowance for PCI loans. Significant increases in undiscounted expected future cash flows are recognized prospectively as an adjustment to the accretable yield.

Mortgage Loans – We hold mortgage loans through our funds withheld and modified coinsurance ("modco") arrangements. Accordingly, these mortgages are valued at fair value, which is comprised of the amortized cost plus mark-to-market unrealized gains or losses. We calculate amortized cost to be unpaid principal balance, adjusted for any unamortized premium or discount, and net of valuation allowances. Interest income is accrued on the principal amount of the loan based on its contractual interest rate. We record amortization of premiums and discounts using the effective yield method, and contractual cash flows on the underlying loan. We accrue interest on loans until it is probable we will not receive interest or the loan is 90 days past due. Interest income, amortization of premiums and discounts, and prepayment fees are reported in net investment income on the consolidated statements of income (loss).

Investment Funds – We invest in certain non-fixed income, alternative investments in the form of limited partnerships or similar legal structures (investment funds). For investment funds in which we have determined we are not the primary beneficiary, and therefore not required to consolidate, we typically record these investments using the equity method of accounting, where the cost is recorded as an investment in the fund. Adjustments to the carrying amount reflect our pro rata ownership percentage of the operating results as indicated by net asset value (NAV) in the investment fund financial statements, which can be on a lag of up to three months when investee information is not received in a timely manner.

We record our proportionate share of investment fund income within net investment income on the consolidated statements of income (loss). Contributions paid or distributions received by the Company are recorded directly to the investment fund balance as an increase to carrying value or as a return of capital, thus reducing our carrying value.

Policy Loans – We hold policy loans through our funds withheld and modco arrangements. Accordingly, these policy loans are held at fair value which approximates the unpaid principal balance. Policy loans are funds provided to policyholders in return for a claim on the policy's account value. The funds provided are limited to a specified percentage of the account balance. The majority of policy loans do not have a stated maturity and the balances and accrued interest are repaid with proceeds from the policy account balance. Interest income is recorded as earned using the contract interest rate and is reported in net investment income on the consolidated statements of income (loss).

ATHENE LIFE RE LTD.
Notes to Consolidated Financial Statements

Funds Withheld at Interest – Funds withheld at interest represents a receivable for amounts contractually withheld by ceding companies in accordance with reinsurance agreements in which we act as reinsurer or a modified coinsurer. While the assets in funds withheld and modco trusts are legally owned by the ceding company, the assets are legally segregated from the general accounts of our cedants and all economic rights and obligations on the assets accrue to us. We periodically settle interest accruing to those assets at rates defined by the terms of the agreement. The underlying agreements contain embedded derivatives as discussed below, and as a result the carrying value of funds withheld at interest is equal to the fair value of the underlying assets. The resulting impact on the statement of cash flows from funds withheld and modco agreements after non-cash activity is backed out is that the net cash interest settlements are included in operating activities. Any securities transfers as part of interest settlements, as well as deposits and withdrawals on the underlying agreements, are disclosed as non-cash items. See additional information in *Note 6 - Funds Withheld at Interest*.

Short-term Investments – Short-term investments consists of financial instruments with maturities of greater than three months but less than twelve months when purchased. Short-term debt securities are accounted for as trading or AFS consistent with our policies for those investments. Short-term loans are carried at amortized cost. Fair values are determined consistent with policies described in *Note 5 - Fair Value* for the respective investment type.

Net Investment Income – We recognize investment income as it accrues or is legally due, net of investment management and custody fees. Investment income on fixed maturity securities includes coupon interest, as well as the amortization of any premium and the accretion of any discount. Investment income on equity securities represents dividend income and preferred coupons. Realized gains and losses on sales of investments are included on the consolidated statements of income (loss) in net investment income. Other-than-temporary impairments are included on the consolidated statements of income (loss) in net investment income. Realized gains and losses on investments sold are determined based on a first-in first-out method. Included in net investment income is the investment income from funds withheld and modco reinsurance, which is the total return from the assets supporting funds withheld and modco reinsurance.

Other-Than-Temporary Impairment – We identify fixed maturity and equity securities that could potentially have impairments that are other-than-temporary by monitoring market events for changes in market interest rates, credit issues, changes in business climate, management changes, litigation, government actions, and other similar factors. Indicators of impairment may include changes in the issuers' credit ratings and outlook, frequency of late payments, pricing levels, key financial ratios, financial statements, revenue forecasts, and cash flow projections.

We review all securities on a case-by-case basis to determine whether an other-than-temporary decline in value exists and whether losses should be recognized. We consider relevant facts and circumstances in evaluating whether a credit or interest rate-related impairment of a security is other-than-temporary. Relevant facts and circumstances include: (1) the extent and length of time the fair value has been below cost; (2) the reasons for the decline in fair value; (3) the issuer's financial position and access to capital; and (4) for fixed maturity securities, our ability and intent to sell a security or whether it is more likely than not that we will be required to sell the security before the recovery of its cost or amortized cost which, in some cases, may extend to maturity and for equity securities, our ability and intent to hold the security for a period of time that allows for the recovery in value. To the extent we determine that a security is other-than-temporarily impaired, an impairment loss is recognized.

The recognition of impairment losses on fixed maturity securities is dependent upon the facts and circumstances related to the specific security. If we intend to sell a security or it is more likely than not that we would be required to sell a security before the recovery of its cost or amortized cost less any recorded credit loss, we recognize an OTTI in net investment income on the consolidated statements of income (loss) for the difference between amortized cost and fair value. If neither of these two conditions exists, then the recognition of the OTTI is bifurcated and we recognize the credit loss portion in net investment income on the consolidated statements of income (loss) and the non-credit loss portion in AOCI on the consolidated balance sheets.

We estimate the amount of the credit loss component of a fixed maturity security impairment as the difference between amortized cost and the present value of the expected cash flows of the security. The present value is determined using the estimated cash flows discounted at the effective interest rate implicit to the security at the date of purchase or the current yield to accrete an asset-backed or floating rate security. The techniques and assumptions for establishing the estimated cash flows vary depending on the type of security. The structured security's cash flow estimates are based on security-specific facts and circumstances that may include collateral characteristics, expectations of delinquency and default rates, loss severity, prepayments, and structural support, including subordination and guarantees. The non-structured security's cash flow estimates are derived from scenario-based outcomes of expected corporate restructurings or the disposition of assets using security-specific facts and circumstances including timing, security interests, and loss severity.

In periods after an OTTI is recognized on a fixed maturity security, we report the impaired security as if it had been purchased on the date it was impaired and continue to estimate the present value of the estimated cash flows of the security. Accordingly, the discount (or reduced premium) based on the new cost basis is accreted into net investment income over the remaining term of the fixed maturity security in a prospective manner based on the amount and timing of estimated future cash flows.

We impair a mortgage loan when it is probable we will not collect all amounts due under the agreement. We establish a general valuation allowance on mortgage loans based on loss history. Additionally, we establish a valuation allowance on individual loans based on expected losses from future dispositions or settlement, including foreclosures. We calculate the allowance based on how much the carrying value exceeds one of these values:

- the present value of expected future cash flows discounted at the loan's original effective interest rate;

- the value of the loan's collateral if it is in the process of foreclosure or otherwise collateral dependent; or
- the loan's fair value if the loan is being sold.

We first apply any interest accrued or received on the net carrying amount of the impaired loan to the principal of the loan, and once the principal is repaid, we include amounts received in net investment income. We limit accrued interest income on impaired loans to 90 days of interest. Once accrued interest on the impaired loan is received, we recognize interest income on a cash basis. Loans deemed uncollectible or in foreclosure are charged off against the valuation allowances, and subsequent recoveries, if any, are credited to the valuation allowances. Changes in valuation allowances are reported in net investment income on the consolidated statements of income (loss).

The cost of other invested assets is adjusted for impairments in value deemed to be other-than-temporary in the period in which the determination is made. These impairments are included within net investment income, and the cost basis of the investment securities is reduced accordingly. We do not change the revised cost basis for subsequent recoveries in value.

Derivative Instruments—We invest in derivatives in both our general account and funds withheld at interest for managing risks experienced in our ongoing operations, such as equity risk, interest rate risk, cash flow risks or for other risk management purposes, which primarily involve managing liability risks associated with our indexed annuity products and reinsurance agreements. Derivatives are financial instruments whose values are derived from interest rates, foreign exchange rates, financial indices or other underlying notional amounts. Derivative assets and liabilities are carried at fair value on the consolidated balance sheets. We elect to present any derivatives subject to master netting provisions as a gross asset or liability and gross of collateral. Disclosures regarding balance sheet presentation of derivatives subject to master netting agreements are discussed in *Note 3 - Derivative Instruments*.

Embedded Derivatives – We reinsure products, primarily fixed indexed annuity products, or purchase investments that contain embedded derivatives. If we determine the embedded derivative has economic characteristics not clearly and closely related to the economic characteristics of the host contract, and a separate instrument with the same terms would qualify as a derivative instrument, the embedded derivative is bifurcated from the host contract and accounted for separately. Embedded derivatives are carried on the consolidated balance sheets at fair value in the same line item as the host contract. Changes in the fair value of embedded derivatives associated with fixed indexed annuities are reflected in interest sensitive contract benefits on the consolidated statements of income (loss). Embedded derivatives that are not clearly and closely related to the host contract within a financial asset are required to be bifurcated and recorded at fair value unless the fair value option is elected on the host contract. Under the fair value option, bifurcation of the embedded derivative is not necessary as all related gains and losses on the host contract and derivative will be reflected within net investment income on the consolidated statements of income (loss).

Fixed indexed annuity contracts allow the policyholder to elect a fixed interest rate return or an equity market component where interest credited is based on the performance of common stock market indices. The equity market option is an embedded derivative, similar to a call option. The benefit reserve is equal to the sum of the fair value of the embedded derivative and the host (or guaranteed) component of the contracts. The fair value of embedded derivatives is computed as the present value of benefits attributable to the excess of the projected policy contract values over the projected minimum guaranteed contract values. The projections of policy contract values are based on assumptions for future policy growth, which include assumptions for expected index credits on the next policy anniversary date, future equity option costs, volatility, interest rates, and policyholder behavior. The projections of minimum guaranteed contract values include the same assumptions for policyholder behavior as were used to project policy contract values. For certain funds withheld and modco reinsurance contracts the embedded derivative cash flows are discounted using a rate that reflects our credit rating. The host contract is established at contract inception as the initial account value less the initial fair value of the embedded derivative and accreted over the policy's life. The host contract accretion rate is updated each quarter so that the present value of actual and expected guaranteed cash flows is equal to the initial host value.

Additionally, reinsurance agreements written on a funds withheld coinsurance or modco basis contain embedded derivatives. The fair value of the embedded derivatives on funds withheld and modco agreements is included in the funds withheld at interest line item on the consolidated balance sheets. The fair value of the embedded derivative is equal to the unrealized gain or loss on the underlying assets in the funds withheld or modco trust and the fair value of stand-alone derivatives in the portfolios. The change in the fair value of the embedded derivatives related to the change in unrealized gain or loss is recorded in net investment income on the consolidated statements of income (loss).

Variable Interest Entities—An entity that does not have sufficient equity to finance its activities without additional financial support, or in which the equity investors, as a group, do not have the characteristics of a controlling financial interest is a VIE. The determination as to whether an entity qualifies as a VIE depends on the facts and circumstances surrounding each entity and may require significant judgment. Our investment funds generally qualify as VIEs and are evaluated for consolidation under the VIE model.

We are required to consolidate a VIE if we are the primary beneficiary, defined as the variable interest holder with both the power to direct the activities that most significantly impact the VIE's economic performance and rights to receive benefits or obligations to absorb losses that could be potentially significant to the VIE. We determine whether we are the primary beneficiary of an entity based on a qualitative assessment of the VIE's capital structure, contractual terms, nature of the VIE's operations and purpose, and our relative exposure to the related risks of the VIE. Since affiliates of Apollo Global Management, LLC (AGM) and, together with its subsidiaries, Apollo), a related party, are the decision makers in certain of the investment funds, we and a member of our related party group may together have the characteristics of the primary beneficiary of an investment fund. In this situation, we have concluded we are not under common control, as defined by GAAP, with the related party, and therefore consolidate in the circumstances when substantially all of the activities of the VIE are conducted on our behalf. We reassess the VIE and primary beneficiary determinations on an ongoing basis.

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If we are not the primary beneficiary, but are able to exert significant influence over the VIE's operations, we record the VIE as an equity method investment. If we are not able to exercise significant influence, generally on investment funds in which we own a less than a 3% interest, we elect the fair value option.

The financial statements reflect consolidated variable interest entities that were acquired in 2017. As a result, there was income statement activity and balance sheet balances related to consolidated variable interest entities for the year ended December 31, 2017. We did not consolidate any entities for the years ended December 31, 2016 and 2015. See Note 4 - Variable interest entities for more information.

See *Note 4 - Variable Interest Entities* for discussion of our interest in entities that meet the definition of a VIE.

Reinsurance—We assume insurance and investment contracts under coinsurance, funds withheld, and modco. We follow reinsurance accounting for transactions that provide indemnification against loss or liability relating to insurance risk (risk transfer). To meet risk transfer requirements, a reinsurance agreement must include insurance risk consisting of underwriting, investment, timing risk, and any other significant risks. Assumed premiums on insurance contracts are included in the premiums line of the consolidated statements of income (loss).

For investment contracts, assets and liabilities assumed under coinsurance, funds withheld, or modco are presented gross on the consolidated balance sheets. The change in assumed reserves, deposits and withdrawals are presented net in the interest sensitive contract benefits line on the consolidated statements of income (loss). For insurance contracts, assets and liabilities assumed or ceded are presented gross on the consolidated balance sheets. The change in assumed reserves and benefits are presented net in the future policy and other policy benefits line on the consolidated statements of income (loss).

Assets and liabilities assumed under modco or funds withheld are presented gross on the consolidated balance sheets. The total return on funds withheld at interest is presented in net investment income on the consolidated statements of income (loss).

Accounting for reinsurance requires the use of assumptions upon agreement inception, particularly related to the future performance of the underlying business and the potential impact of counterparty credit risks. We attempt to minimize our counterparty credit risk through the structuring of the terms of our reinsurance agreements, including the use of trusts and segregated accounts, and we monitor credit ratings of counterparties for signs of declining credit quality. When a ceding company does not report information on a timely basis, we record accruals based on the best available information at the time, which includes the reinsurance agreement terms and historical experience. We periodically compare actual and anticipated experience to the assumptions used to establish reinsurance assets and liabilities. Refer to *Note 8 - Deferred Acquisition Costs, Deferred Sales Inducements and Reinsurance Intangibles* for more information.

Cash and Cash Equivalents—Cash and cash equivalents include deposits and short-term highly liquid investments with a maturity of less than 90 days from the date of acquisition. Amounts included are readily convertible to known amounts of cash and are subject to an insignificant risk of change in value.

Restricted Cash—Restricted cash primarily consists of cash and cash equivalents held in funds in trust as part of certain coinsurance agreements to secure statutory reserves and liabilities of the coinsured parties. Restricted cash is reported separately on the consolidated balance sheets. Changes in the restricted cash balance are reported in investing activities on the consolidated statements of cash flows.

Deferred Acquisition Costs, Deferred Sales Inducements and Reinsurance Intangibles

Deferred Acquisition Costs (DAC) and Deferred Sales Inducements (DSI) - Costs related directly to the successful acquisition of new, or renewal of, insurance or investment contracts are deferred to the extent they are recoverable from future premiums or gross profits. These costs consist of commissions and policy issuance costs, as well as sales inducements credited to policyholder account balances. We include the effects of net unrealized investment gains and losses in the calculation of DAC, DSI and reinsurance intangible balances due to the funds withheld at interest assets being marked-to-market through income. If financial performance significantly deteriorates to the point where a premium deficiency exists, then we record a cumulative charge to the current period.

Deferred costs related to interest sensitive investment-type policies, with significant revenue streams from sources other than investment of the policyholder funds, are amortized over the lives of the policies, in relation to the present value of gross profits including investment spread margins, surrender charge income, policy administration, changes in the guaranteed lifetime withdrawal benefit (GLWB) and guaranteed minimum death benefit (GMDB) reserves and realized gains and losses on investments. Current period gross profits for fixed indexed annuities also include the impacts of the change in fair value of the embedded derivatives and the change in fair value of the derivative instruments purchased to economically hedge the indexed liabilities. Estimates of the future gross profits are based on assumptions using accepted actuarial methods. The balances associated with the preceding amortization methodology are recorded in deferred acquisition costs and deferred sales inducements on the consolidated balance sheets. Each reporting period, we update estimated gross profits with actual gross profits as part of the amortization process for the interest sensitive policies. We also periodically revise the key assumptions used in the calculation of the amortization of DAC and DSI, which results in revisions to the estimated future gross profits. The effects of changes in assumptions are recorded as unlocking in the period in which the changes are made.

Deferred costs related to investment contracts without significant revenue streams from sources other than investment of the policyholder funds are amortized using the effective interest method. The effective interest method amortizes the deferred costs by discounting the future liability

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cash flows at a break-even rate. The break-even rate is solved such that the present value of future liability cash flows is equal to the net liability at the inception of the contract.

Reinsurance Intangibles - For block reinsurance transactions, the difference between the fair value of assets and the sum of the reserves reinsured, other liabilities reinsured, and ceding commission payable or receivable is deferred and recognized on a product-by-product basis either as an unearned revenue reserve (URR) or DAC. In this context, the URR may also be referred to as the day one gain on reinsurance and DAC as the day one loss on reinsurance. Day one losses are included in deferred acquisition costs and deferred sales inducements and day one gains are included in interest sensitive contract liabilities or future policy benefits on the consolidated balance sheets. If financial performance significantly deteriorates to the point where a premium deficiency exists, then we record a cumulative charge to the current period. Each reporting period, we update estimated gross profits with actual gross profits as part of the amortization process for the interest sensitive policies. We also periodically revise the key assumptions used in the calculation of the amortization of reinsurance intangibles which results in updates to the estimated future gross profits. The effects of changes in assumptions are recorded as unlocking in the period in which the changes are made.

Day one gains and losses related to interest sensitive investment-type policies, with significant revenue streams from sources other than investment of the policyholder funds, are amortized over the lives of the policies, in relation to the present value of gross profits including investment spread margins, surrender charge income, policy administration, changes in the guaranteed lifetime withdrawal benefit (GLWB) and guaranteed minimum death benefit (GMDB) reserves, and realized gains and losses on investments. Current period gross profits for fixed indexed annuities also include the impacts of the change in fair value of the embedded derivatives and the change in fair value of the derivative instruments purchased to economically hedge the indexed liabilities. Estimates of the future gross profits are based on assumptions using accepted actuarial methods. If we project a negative future gross profit, the day one gain or loss is amortized proportional to the change in the present value of account value over the lives of the policies.

See *Note 8 - Deferred Acquisition Costs, Deferred Sales Inducements and Reinsurance Intangibles* for further discussion.

Interest Sensitive Contract Liabilities—Interest sensitive investment-type contracts include fixed indexed and traditional fixed annuities in the accumulation phase, funding agreements, and immediate annuities without significant mortality risk. We carry liabilities for fixed annuities, and funding agreements at the account balances without reduction for potential surrender or withdrawal charges. Liabilities for immediate annuities without significant mortality risk are calculated as the present value of future liability cash flows and policy maintenance expenses discounted at contractual interest rates. For a discussion regarding our indexed products, refer above to the embedded derivative discussion.

Changes in the interest sensitive contract liabilities, excluding deposits and withdrawals, are recorded in interest sensitive contract benefits or product charges on the consolidated statements of income (loss).

Future Policy Benefits—We reinsure contracts classified as long-duration, and deferred and immediate annuities with life contingencies. Liabilities for long-duration contracts are established using accepted actuarial valuation methods which require the use of assumptions related to expenses, investment yields, mortality, morbidity, and persistency, with a provision for adverse deviation, at the date of issue or acquisition. The reserve investment yield assumptions are specific to our expected earned rate on the asset portfolio supporting the reserves. We base other key assumptions, such as mortality and morbidity, on industry standard data adjusted to align with actual company experience, if necessary.

For long-duration contracts, the assumptions are locked in at contract inception and only modified if we deem the reserves to be inadequate. We periodically review actual and anticipated experience compared to the assumptions used to establish policy benefits. If the net GAAP liability (gross reserves less DAC and DSI) is less than the gross premium liability, then the impairment is deemed to have occurred. Accordingly, the DAC and DSI asset balances are reduced until the net GAAP liability is equal to the gross premium liability. For deferred annuity policies classified as insurance contracts, if the DAC and DSI asset balances are completely written off and the net GAAP liability is still less than the gross premium liability, then an additional liability is posted to arrive at the gross premium liability.

We reinsure deferred annuity contracts which contain GLWB and GMDB riders. We establish future policy benefits for GLWB and GMDB by estimating the expected value of withdrawal and death benefits in excess of the projected account balance. We recognize the excess proportionally over the accumulation period based on total expected assessments. The methods we use to estimate the liabilities have assumptions about policyholder behavior, mortality, and market conditions affecting the account balance growth. Each reporting period, we update expected excess benefits and assessments with actual excess benefits and assessments and adjust the liability balances due to the effects of investment gains and losses. We also periodically revise the key assumptions used in the calculation of the liabilities which results in revisions to the expected excess benefits and assessments. The effects of changes in assumptions are recorded as unlocking in the period in which the changes are made.

Changes in future policy benefits are recorded in future policy and other policy benefits on the consolidated statements of income (loss). In 2017, we changed our accounting policy for rider reserves for intercompany block reinsurance to establish the rider reserves equal to our share of the ceding company rider reserves at inception. Previously, the rider reserves were initially established at zero. Under both cases, the reserves increase over time to the ultimate benefit amount. There is an equal and offsetting impact to day one gains or losses as a result of this change and as such there is a \$0 impact at treaty inception for all treaties and this change does not have a material impact in any subsequent period. As the cumulative income statement amount of \$53 million was immaterial, the change was all recorded through the year end December 31, 2017 results.

Other Policy Claims and Benefits—Other policy claims and benefits include amounts payable relating to in course of settlements (ICOS) liabilities associated with interest sensitive contract liabilities and future policy benefits. For immediate annuities and supplemental contracts, ICOS claim liabilities are established to accrue suspended benefit payments between the date of notification of death and the date of verification of death.

Recognition of Revenues and Related Expenses—Revenues for annuities, including surrender and market value adjustments, costs of insurance, policy administration, GMDB, and GLWB, are earned when assessed against policyholder account balances during the period. Interest sensitive contract benefits related to annuity products include interest credited to policyholder account balances. In addition, the change in fair value of embedded derivatives within fixed indexed annuity contracts is included in interest sensitive contract benefits on the consolidated statements of income (loss).

For certain assumed reinsurance transactions involving in force blocks of business, the ceding company may pay a premium equal to the initial required reserve (future policy benefit). In such transactions, we net the expense associated with the establishment of the reserve against the premiums from the transaction in interest sensitive contract benefits on the consolidated statements of income (loss).

Premiums for long duration contracts, including products with fixed and guaranteed premiums and benefits, are recognized as revenue when due from policyholders.

Reclassifications—Certain reclassifications have been made to conform with current year presentation.

Adopted Accounting Pronouncements

Receivables – Nonrefundable Fees and Other Costs (ASU 2017-08)

The amendments in this update shorten the amortization period for certain callable debt securities held at a premium to the earliest call date. These amendments are required to be adopted on a modified retrospective basis. We elected to early adopt this update effective January 1, 2017, and the adoption did not have a material impact on our consolidated financial statements.

Business Combinations - Clarifying the Definition of a Business (ASU 2017-01)

The amendments in this update clarify the definition of a business with the objective of assisting entities with evaluating whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. The definition of a business affects many areas of accounting including acquisitions, disposals, goodwill and consolidation. These amendments are required to be adopted prospectively to any transactions after the date of adoption. We elected to early adopt this update effective January 1, 2017, and the adoption did not have an impact on our consolidated financial statements.

Consolidation – Interest Held through Related Parties under Common Control (ASU 2016-17)

This update amends the consolidation guidance to change how indirect interests in VIEs are evaluated by a reporting entity when determining whether or not it is the primary beneficiary of that VIE. The primary beneficiary of a VIE is the reporting entity that has a controlling financial interest in a VIE and, therefore, consolidates the VIE. A reporting entity has an indirect interest in a VIE if it has a direct interest in a related party that, in turn, has a direct interest in the VIE. Previously, if a single decision maker and its related parties were under common control, the single decision maker was required to consider indirect interests held through related parties to be the equivalent of direct interests in their entirety. The amendments change the evaluation of indirect interests to be considered on a proportionate basis. We adopted this update effective January 1, 2017, and the adoption did not have a material effect on our consolidated financial statements.

Equity Method and Joint Ventures (ASU 2016-07)

This update eliminates the retroactive adjustments to an investment upon it qualifying for the equity method of accounting as a result of an increase in the level of ownership interest or degree of influence by the investor. We adopted this update effective January 1, 2017, and the adoption did not have a material effect on our consolidated financial statements.

Derivatives and Hedging – Contingent Put and Call Options (ASU 2016-06)

This update is intended to clarify the requirements for assessing whether contingent call (put) options that can accelerate the payment of principal on debt instruments are clearly and closely related to debt hosts. We adopted this update effective January 1, 2017, and the adoption did not have a material effect on our consolidated financial statements.

Derivatives and Hedging – Effects of Derivative Contract Novation (ASU 2016-05)

This update is intended to clarify that a change in the counterparty to a derivative instrument that has been designated as the hedging instrument does not, in and of itself, require a de-designation of that hedging relationship provided all other hedge accounting criteria continue to be met. We adopted this update effective January 1, 2017, and the adoption did not have a material effect on our consolidated financial statements.

Recently Issued Accounting Pronouncements

Derivatives and Hedging – Targeted Improvements (ASU 2017-12)

The amendments in this update contain improvements to the financial reporting of hedging relationships that more closely reflect the economic results of an entity's risk management activities in its financial statements. Additionally, the amendments in this update make certain targeted

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improvements to simplify the application of hedge accounting. We will be required to adopt this update effective January 1, 2019. Early adoption is permitted. We are currently evaluating the impact of this guidance on our consolidated financial statements.

Gains and Losses from the Derecognition of Nonfinancial Assets (ASU 2017-05)

The amendments in this update clarify the scope of asset derecognition guidance and accounting for partial sales of nonfinancial assets. We will adopt this update on a modified retrospective basis effective January 1, 2018. We do not expect the adoption of this update will have a material effect on our consolidated financial statements.

Intangibles – Simplifying the Test for Goodwill Impairment (ASU 2017-04)

The amendments in this update simplify the subsequent measurement of goodwill by eliminating the comparison of the implied fair value of a reporting unit's goodwill with the carrying amount of that goodwill to determine the goodwill impairment loss. With the adoption of this guidance, a goodwill impairment will be the amount by which a reporting unit's carrying value exceeds its fair value, not to exceed the carrying amount of the goodwill allocated to that reporting unit. Entities will continue to have the option to perform a qualitative assessment to determine if a quantitative impairment test is necessary. We will be required to adopt this update prospectively effective January 1, 2020. Early adoption is permitted. The adoption of this update will not have an impact on our consolidated financial statements.

Revenue Recognition (ASU 2017-13, ASU 2016-20, ASU 2016-12, ASU 2016-11, ASU 2016-10, ASU 2016-08, ASU 2015-14 and ASU 2014-09)

These updates are based on the core principle that an entity should recognize revenue to depict 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. These updates replace all general and most industry-specific revenue recognition guidance, excluding insurance contracts, leases, financial instruments and guarantees, which have been scoped out of these updates. Since the guidance does not apply to revenue on contracts accounted for under the financial instruments or insurance contracts standards, only a portion of our revenues are impacted by this guidance. We will adopt these updates on a modified retrospective basis effective January 1, 2018. We do not expect the adoption of these updates will have a material effect on our consolidated financial statements.

Statement of Cash Flows – Restricted Cash (ASU 2016-18)

This update requires amounts generally described as restricted cash or restricted cash equivalents be included with cash and cash equivalents when reconciling the beginning-of-period and end-of-period amounts shown on the consolidated statements of cash flows. We will adopt this standard retrospectively for each period presented effective January 1, 2018. The adoption of this update will require us to change the presentation on the consolidated statements of cash flows for restricted cash or restricted cash equivalents; however, we do not expect the adoption of this update to have a material effect on our consolidated financial statements.

Statement of Cash Flows (ASU 2016-15)

This update provides specific guidance to clarify how entities should classify certain cash receipts and cash payments on the statement of cash flows. The update also clarifies the application of the predominance principle when cash receipts and cash payments have aspects of more than one class of cash flows. We will be required to adopt this standard effective January 1, 2018. We do not expect the adoption of this update to have a material effect on our consolidated financial statements.

Financial Instruments – Credit Losses (ASU 2016-13)

This update is designed to reduce complexity by limiting the number of credit impairment models used for different assets. The model will result in accelerated credit loss recognition on assets held at amortized cost. The identification of credit-deteriorated securities will include all assets that have experienced a more-than-insignificant deterioration in credit since origination. Additionally, any changes in the expected cash flows of credit-deteriorated securities will be recognized immediately in the income statement. Available-for-sale (AFS) fixed maturity securities are not in scope of the new credit loss model, but will undergo targeted improvements to the current reporting model including the establishment of a valuation allowance for credit losses versus the current direct write down approach. We will be required to adopt this update effective January 1, 2020. Early adoption is permitted effective January 1, 2019. We are currently evaluating the impact of this guidance on our consolidated financial statements.

Leases (ASU 2018-1, ASU 2017-13 and ASU 2016-02)

These updates are intended to increase transparency and comparability for lease transactions. A lessee is required to recognize an asset and a liability for all lease arrangements longer than 12 months. Lessor accounting is largely unchanged. We will be required to adopt these updates on a modified retrospective basis effective January 1, 2019. Early adoption is permitted. We have reviewed our existing lease contracts and our implementation efforts are primarily focused on assessing the financial impact of these updates on our consolidated financial statements.

Financial Instruments – Recognition and Measurement (ASU 2016-01)

This update changes the current accounting for certain equity investments, the presentation of changes in the fair value of liabilities measured under the fair value option due to instrument-specific credit risk, and certain disclosures. For liabilities measured under the fair value option, changes in fair value attributable to instrument-specific credit risk will no longer affect net income, but will be recognized separately in OCI. Additionally, this update requires equity investments to be measured at fair value with subsequent changes recognized in net income, except for those accounted for under the equity method or requiring consolidation. We currently recognize changes in fair value related to AFS equity securities in accumulated other comprehensive income (AOCI) on the consolidated balance sheets. We will adopt this update effective

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January 1, 2018. Upon adoption, we will recognize a cumulative-effect increase to beginning retained earnings of \$34 million and a corresponding decrease to AOCI.

2. Investments

Available-for-sale securities - The following table represents our AFS investments by asset type. Our AFS investment portfolio includes direct investments in affiliates of Apollo where Apollo can exercise significant influence over the affiliates.

	December 31, 2017				
<i>(In millions)</i>	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	OTTI in AOCI
Fixed maturity securities					
U.S. government and agencies	\$ 3	\$ —	\$ —	\$ 3	\$ —
U.S. State, municipals, and political subdivisions	45	7	—	52	—
Foreign governments	11	—	—	11	—
Corporate	1,992	53	(9)	2,036	—
CLO	816	10	—	826	—
ABS	459	6	(2)	463	—
CMBS	76	2	—	78	—
RMBS	1,301	89	(1)	1,389	2
Total AFS securities	\$ 4,703	\$ 167	\$ (12)	\$ 4,858	\$ 2
	December 31, 2016				
<i>(In millions)</i>	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	OTTI in AOCI
Fixed maturity securities					
U.S. government and agencies	\$ 3	\$ —	\$ —	\$ 3	\$ —
U.S. State, municipals, and political subdivisions	46	6	—	52	—
Corporate	1,448	20	(18)	1,450	—
CLO	736	1	(16)	721	—
ABS	321	2	(9)	314	—
CMBS	46	—	(2)	44	—
RMBS	1,201	28	(13)	1,216	3
Total AFS securities	\$ 3,801	\$ 57	\$ (58)	\$ 3,800	\$ 3
	December 31, 2015				
<i>(In millions)</i>	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	OTTI in AOCI
Fixed maturity securities					
U.S. government and agencies	\$ 4	\$ 1	\$ —	\$ 5	\$ —
U.S. State, municipals, and political subdivisions	44	8	—	52	—
Corporate	955	15	(17)	953	—
CLO	670	—	(59)	611	—
ABS	256	1	(7)	250	—
CMBS	39	—	(1)	38	—
RMBS	1,052	9	(27)	1,034	3
Total AFS securities	\$ 3,020	\$ 34	\$ (111)	\$ 2,943	\$ 3

The amortized cost and fair value of fixed maturity AFS securities, including related party fixed maturity AFS securities, are shown by contractual maturity below. Actual maturities can differ from contractual maturities as borrowers may have the right to call or prepay obligations with or without call or prepayment penalties.

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<i>(In millions)</i>	December 31, 2017	
	Amortized Cost	Fair Value
Fixed maturity securities		
Due in one year or less	\$ 23	\$ 23
Due after one year through five years	656	658
Due after five year through ten years	863	881
Due after ten years	509	540
ABS, CLO, CMBS and RMBS	2,652	2,756
Total fixed maturity securities	\$ 4,703	\$ 4,858

<i>(In millions)</i>	December 31, 2016	
	Amortized Cost	Fair Value
Fixed maturity securities		
Due in one year or less	\$ 62	\$ 62
Due after one year through five years	281	283
Due after five year through ten years	748	751
Due after ten years	405	408
ABS, CLO, CMBS and RMBS	2,305	2,296
Total fixed maturity securities	\$ 3,801	\$ 3,800

<i>(In millions)</i>	December 31, 2015	
	Amortized Cost	Fair Value
Fixed maturity securities		
Due in one year or less	\$ 81	\$ 82
Due after one year through five years	219	218
Due after five year through ten years	450	451
Due after ten years	253	258
ABS, CLO, CMBS and RMBS	2,017	1,934
Total fixed maturity securities	\$ 3,020	\$ 2,943

Unrealized Losses on AFS Securities—The following summarizes the fair value and gross unrealized losses for AFS securities, including related party AFS securities, aggregated by class of security and length of time the fair value has remained below amortized cost:

<i>(In millions)</i>	December 31, 2017					
	Less than 12 months		12 months or greater		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
Fixed maturity securities						
U.S. State, municipals, and political subdivisions	\$ 4	\$ —	\$ 1	\$ —	\$ 5	\$ —
Foreign governments	5	—	—	—	5	—
Corporate	491	(5)	137	(4)	628	(9)
CLO	90	—	19	—	109	—
ABS	64	(1)	74	(1)	138	(2)
CMBS	17	—	—	—	17	—
RMBS	64	—	14	(1)	78	(1)
Total AFS securities	\$ 735	\$ (6)	\$ 245	\$ (6)	\$ 980	\$ (12)

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<i>(In millions)</i>	December 31, 2016					
	Less than 12 months		12 months or greater		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
Fixed maturity securities						
U.S. State, municipals, and political subdivisions	\$ 2	\$ —	\$ —	\$ —	\$ 2	\$ —
Corporate	575	(17)	23	(1)	598	(18)
CLO	93	(1)	457	(15)	550	(16)
ABS	108	(2)	87	(7)	195	(9)
CMBS	37	(2)	—	—	37	(2)
RMBS	240	(3)	253	(10)	493	(13)
Total AFS securities	\$ 1,055	\$ (25)	\$ 820	\$ (33)	\$ 1,875	\$ (58)

<i>(In millions)</i>	December 31, 2015					
	Less than 12 months		12 months or greater		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
Fixed maturity securities						
U.S. State, municipals, and political subdivisions	\$ 3	\$ —	\$ —	\$ —	\$ 3	\$ —
Corporate	379	(15)	14	(2)	393	(17)
CLO	528	(49)	52	(10)	580	(59)
ABS	198	(7)	—	—	198	(7)
CMBS	11	(1)	—	—	11	(1)
RMBS	723	(21)	103	(6)	826	(27)
Total AFS securities	\$ 1,842	\$ (93)	\$ 169	\$ (18)	\$ 2,011	\$ (111)

At December 31, 2017, we held 211 AFS securities that were in an unrealized loss position. Of this total, 52 were in an unrealized loss position longer than 12 months. We did not recognize the unrealized losses in income as we intend to hold these securities and it is not more likely than not we will be required to sell a security before the recovery of its amortized cost.

Other-Than-Temporary Impairments on AFS Securities - For the year ended December 31, 2017, on total AFS securities, including related party investments, of \$4,858 million, we incurred less than \$1 million of net OTTI losses. These securities were impaired to fair value as of the impairment date.

The following table represents a rollforward of the cumulative amounts recognized on the consolidated statements of income (loss) for OTTI related to pre-tax credit loss impairments on AFS fixed maturity securities, for which a portion of the securities' total OTTI was recognized in AOCI:

<i>(In millions)</i>	December 31,		
	2017	2016	2015
Beginning balance	\$ 1	\$ 1	\$ —
Initial impairments – credit loss OTTI recognized on securities not previously impaired	—	—	1
Ending balance	\$ 1	\$ 1	\$ 1

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Net Investment Income - Net investment income by asset type consists of the following:

(In millions)	December 31,		
	2017	2016	2015
Fixed maturity securities	\$ 225	\$ 192	\$ 107
Trading securities	29	27	7
Investment funds	55	(3)	21
Cash and cash equivalents	1	—	—
Funds withheld at interest¹			
Investment income	2,595	2,201	2,043
Investment related gains (losses)	2,915	1,184	(1,620)
Investment expenses	(118)	(112)	(98)
Gross realized gain on AFS securities	12	13	7
Gross realized loss on AFS securities	(17)	(11)	(17)
Derivative gains (losses)	(1)	—	2
Other losses	(4)	1	—
Net investment income	\$ 5,692	\$ 3,492	\$ 452

¹ The total income related to funds withheld at interest is comprised of the total return, including (1) investment income which is comprised of book income on the underlying securities, and (2) investment related gains (losses) which is comprised of realized gains (losses), mark-to-market impacts (change in unrealized gains or losses), and total return on derivatives. The portion related to mark-to-market was a gain (loss) of \$1,253 million, \$882 million and \$(1,415) million for years ended December 31, 2017, 2016 and 2015, respectively.

Included in net investment income on trading securities are gains of \$13 million, losses of \$5 million, and losses of \$1 million resulting from the change in unrealized gains or losses for the underlying bonds we still held as of December 31, 2017, 2016, and 2015, respectively. Also included in net investment income on trading securities are related party gains of \$1 million, losses of \$0 million, and losses of \$8 million resulting from the change in unrealized gains or losses for the underlying bonds we still held as of December 31, 2017, 2016, and 2015, respectively.

Credit Quality

The Securities Valuation Office (SVO) of the National Association of Insurance Commissioners (NAIC) is responsible for the credit quality assessment and valuation of securities owned by state regulated insurance companies. Insurance companies report ownership of securities to the SVO when such securities are eligible for filing on the relevant schedule of the NAIC Financial Statement Blank. The SVO conducts credit analysis on these securities for the purpose of assigning an NAIC designation and/or unit price. Typically, if a security has been rated by a Nationally Recognized Statistical Rating Organization (NRSRO), the SVO utilizes that rating and assigns an NAIC designation based upon the following system:

NAIC designation	NRSRO equivalent rating
1	AAA/AA/A
2	BBB
3	BB
4	B
5	CCC
6	CC and lower

The SVO’s loan-backed and structured securities (“LBaSS”) methodology is focused on determining the risk associated with the recovery of the amortized cost of each security. In contrast, the NRSRO ratings methodology is focused on the likelihood of recovery of all contractual payments, including principal at par regardless of entry price. The NRSRO rating assumes that the holder is the original purchaser at par whereas the modeled and non-modeled LBaSS ratings are focused on the recovery of current amortized cost. As the NAIC ratings methodology considers our investment and amortized cost, and the likelihood of recovery of that book value as opposed to the likelihood of default of the security, we view the NAIC ratings methodology as the most appropriate way to view our fixed maturity portfolio from a ratings perspective since a large portion of our holdings were purchased at a significant discount to par.

Specific to LBaSS, the SVO has developed a ratings process and provides instruction on both modeled and non-modeled LBaSS. The modeled LBaSS process is specific to the RMBS and CMBS asset classes. In order to establish ratings at the individual security level, the SVO obtains loan-level analysis of each RMBS and CMBS using a selected vendor’s proprietary financial model. The SVO ensures that the vendor has extensive internal quality-control processes in place and the SVO conducts its own quality-control checks of the selected vendor’s valuation process. The NAIC retained the services of Pacific Investment Management Co.’s advisory services (“PIMCO Advisory”) to model non-agency RMBS owned by U.S. insurers in 2014. The SVO switched from PIMCO Advisory to Blackrock, Inc. (“Blackrock”) for non-agency RMBS in 2015. For CMBS, the SVO has retained the services of Blackrock for all years presented. PIMCO Advisory and Blackrock, specific to the periods referred to above (the “selected vendors”), provide five prices (“breakpoints” based on each U.S. insurer’s statutory book value price) to utilize in determining the NAIC designation for each modeled LBaSS. For non-modeled LBaSS (ABS and CLOs) with the initial rating of NAIC 1 or NAIC 6, the rating remains the same through the life of the security. For non-modeled LBaSS with the initial rating of NAIC 2 through NAIC 5, the selected vendors are not utilized and the NAIC designations are set using a standardized table of breakpoints provided by the SVO for application to the insurer’s statutory book value price. The NAIC designation determines the associated level of RBC that an insurer is required to hold for modeled LBaSS owned

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A summary of our AFS fixed maturity securities by NAIC designation is as follows (dollars in millions):

(In millions, except for percentages)

NAIC Designation	December 31, 2017		
	Amortized Cost	Fair Value	Percent of Total
1	\$ 2,619	\$ 2,728	56%
2	1,371	1,403	29%
Total investment grade	3,990	4,131	85%
3	613	627	14%
4	92	92	1%
5	8	8	—%
6	—	—	—%
Total below investment grade	713	727	15%
Total	\$ 4,703	\$ 4,858	100%

(In millions, except for percentages)

NAIC Designation	December 31, 2016		
	Amortized Cost	Fair Value	Percent of Total
1	\$ 2,196	\$ 2,209	58%
2	1,205	1,191	31%
Total investment grade	3,401	3,400	89%
3	342	344	10%
4	57	56	1%
5	—	—	—%
6	1	—	—%
Total below investment grade	400	400	11%
Total	\$ 3,801	\$ 3,800	100%

(In millions, except for percentages)

NAIC Designation	December 31, 2015		
	Amortized Cost	Fair Value	Percent of Total
1	\$ 1,937	\$ 1,912	65%
2	818	778	26%
Total investment grade	2,755	2,690	91%
3	256	245	9%
4	8	8	—%
5	—	—	—%
6	1	—	—%
Total below investment grade	265	253	9%
Total	\$ 3,020	\$ 2,943	100%

Substantially all of the fixed maturity portfolio, 85%, 89% and 91% as of December 31, 2017, 2016 and 2015 respectively was invested in investment grade assets with a NAIC rating of 1 or 2.

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A summary of our AFS fixed maturity securities by NRSRO ratings is set forth below (dollars in millions):

(In millions, except for percentages)

	December 31, 2017		December 31, 2016		December 31, 2015	
	Fair Value	Percent of Total	Fair Value	Percent of Total	Fair Value	Percent of Total
AAA/AA/A	\$ 1,407	29%	\$ 950	25%	\$ 758	26%
BBB	1,352	28%	1,203	32%	940	32%
Non-Rated ¹	577	12%	510	13%	287	10%
Total Investment grade	3,336	69%	2,663	70%	1,985	68%
BB	597	12%	331	9%	225	8%
B	83	2%	82	2%	38	1%
CCC	320	7%	221	6%	210	7%
CC and lower	488	10%	486	13%	417	14%
Non-Rated ¹	34	1%	17	—%	68	2%
Total below investment grade	1,522	31%	1,137	30%	958	32%
Total fixed maturity securities	\$ 4,858	100%	\$ 3,800	100%	\$ 2,943	100%

¹Securities denoted as non-rated by the NRSRO were classified as investment or non-investment grade according to the security's respective NAIC rating. The percentage of investment grade securities under NRSRO ratings is lower than under NAIC ratings due to NRSRO ratings not factoring in the Company specific price point of carrying value on structured securities, whereas NAIC ratings factor this in as previously described.

Consistent with the NAIC Process and Procedures Manual, an NRSRO rating was assigned based on the following criteria: (a) the equivalent S&P rating where the security is rated by one NRSRO; (b) the equivalent S&P rating of the lowest NRSRO when the security is rated by two NRSROs; and (c) the equivalent S&P rating of the second lowest NRSRO if the security is rated by three or more NRSROs. If the lowest two NRSRO ratings are equal, then such rating will be the assigned rating. NRSRO ratings available for the periods presented were S&P, Fitch, Moody's Investor Service ("Moody's"), DBRS, and Kroll Bond Rating Agency, Inc. ("KBRA").

The portion of our AFS fixed maturity portfolio that was considered below investment grade based on NRSRO ratings was 31%, 30% and 32% as of December 31, 2017, 2016 and 2015, respectively. The primary driver of the difference in the ratio of securities considered below investment grade by NRSROs as compared to the securities considered below investment grade by the NAIC relates to the difference in ratings methodologies between the NRSRO and NAIC for RMBS due to investments acquired at a discount to par value, as discussed above. The primary driver of the change in the percentage of NRSRO below investment grade securities and the change in NAIC below investment grade securities is driven by the reinvestment activity and volatile economic environment in 2016.

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Purchased Credit Impaired (PCI) Securities - The following table summarizes our PCI securities, which are included in AFS fixed maturity securities:

<i>(In millions)</i>	December 31,	
	2017	2016 ¹
Contractually required principal and interest ²	\$ 1,712	\$ 1,542
Less: Cash flows expected to be collected ³	(1,433)	(1,354)
Non-accretable difference	\$ 279	\$ 188
Cash flows expected to be collected	\$ 1,433	\$ 1,354
Less: Amortized cost	(1,103)	(1,015)
Accretable difference	\$ 330	\$ 339
Fair value	\$ 1,187	\$ 1,036
Outstanding balance	\$ 1,404	\$ 1,240

¹ Balances have been revised for immaterial misstatements to be comparable to current year balances.

² Includes principal and accrued interest.

³ Represents the acquisition date undiscounted principal and interest cash flows expected.

We acquired PCI investments with the following amounts at the time of purchase:

<i>(In millions)</i>	Years ended December 31,	
	2017	2016 ¹
Contractually required principal and interest	\$ 460	\$ 514
Expected cash flows	386	436
Estimated fair value	314	317

¹ Balances have been revised for immaterial misstatements to be comparable to current year balances.

The following table summarizes the activity for the accretable yield on PCI securities:

<i>(In millions)</i>	Years ended December 31,	
	2017	2016 ¹
Balance at beginning of year	\$ 339	\$ 250
Purchases of PCI securities, net	17	123
Accretion	(69)	(49)
Changes in expected cash flows	43	15
Balance at end of year	\$ 330	\$ 339

¹ Balances have been revised for immaterial misstatements to be comparable to current year balances.

3. Derivative Instruments

We use a variety of derivative instruments to manage equity risk, interest rate risk, credit risk, foreign currency risk, and market volatility. See *Note 1 - Business, Basis of Presentation and Significant Accounting Policies* for a description of our accounting policies for derivatives and *Note 5 - Fair Value* for information about the fair value hierarchy for derivatives.

The following table presents the notional amount and fair value of derivative instruments:

<i>(In millions)</i>	December 31, 2017		
	Notional Amount	Fair Value	
		Assets	Liabilities
Foreign currency forwards	\$ 90	\$ 1	\$ 1
Embedded derivatives			
Funds withheld	—	3,907	—
Interest sensitive contract liabilities	—	—	6,034
Total derivatives	\$ 90	\$ 3,908	\$ 6,035

<i>(In millions)</i>	December 31, 2016		
	Notional Amount	Fair Value	
		Assets	Liabilities
Foreign currency forwards	\$ 61	\$ 1	\$ —
Embedded derivatives			
Funds withheld	—	1,806	—
Interest sensitive contract liabilities	—	—	4,285
Total derivatives	\$ 61	\$ 1,807	\$ 4,285

<i>(In millions)</i>	December 31, 2015		
	Notional Amount	Fair Value	
		Assets	Liabilities
Foreign currency forwards	\$ 41	\$ 1	\$ —
Embedded derivatives			
Funds withheld	—	469	—
Interest sensitive contract liabilities	—	—	3,540
Total derivatives	\$ 41	\$ 470	\$ 3,540

Derivatives are included in derivative assets or liabilities on the consolidated balance sheets, with the exception of embedded derivatives. Funds withheld and modco embedded derivatives are included in funds withheld at interest on the consolidated balance sheets. Indexed annuity products embedded derivatives are included in interest sensitive contract liabilities on the consolidated balance sheets. None of our derivatives are designated as hedges.

Foreign currency forwards - We use foreign currency forward contracts to hedge certain invested assets against movement in foreign currency. The price is agreed upon at the time of the contract and payment is made at a specified future date.

Embedded derivatives - We have embedded derivatives which are required to be separated from their host contracts and reported as derivatives. Host contracts include reinsurance agreements structured on a modco or funds withheld basis and indexed annuity products. Included in net investment income is the total return of the funds withheld embedded derivatives.

Credit Risk - We may be exposed to credit-related losses in the event of counterparty nonperformance on derivative financial instruments. Generally, the current credit exposure of our derivative contracts is the fair value at the reporting date less any collateral received from the counterparty.

As of December 31, 2017, 2016, and 2015 we had no collateral pledged to counterparties in connection with derivative instruments.

4. Variable Interest Entities

Our investment funds generally meet the definition of a VIE, and in certain cases these investment funds are consolidated in our financial statements because we meet the criteria of the primary beneficiary.

Consolidated VIEs - During the first quarter of 2017, we acquired a 100% limited partnership interest in Apollo Asia Sprint Co-Investment Fund, L.P. (Sprint), an entity formed to make a co-investment alongside private equity funds sponsored by Apollo. The underlying investment is a structured credit facility on a nearly completed skyscraper in Southeast Asia. We are the primary beneficiary and consolidate Sprint, as substantially all of its activities are conducted on our behalf.

Investment funds - including related party - Investment funds include non-fixed income, alternative investments in the form of limited partnerships or similar legal structures that meet the definition of VIEs; however, our consolidated VIEs are not considered the primary beneficiary of these investment funds. Changes in fair value for certain of these investment funds are included in net investment income within revenues of consolidated variable interest entities on the consolidated statements of income. Investment funds held by Sprint are related party investments as they are sponsored or managed by Apollo affiliates.

<i>(In millions)</i>	December 31, 2017
Investment funds, at fair value	\$ 22
Assets of consolidated variable interest entities	\$ 22

Net investment income (loss) of consolidated variable interest entities was \$2 million for the year ended December 31, 2017. The operating expenses of consolidated variable interest entities was \$0 million, for the year ended December 31, 2017.

Non-consolidated VIEs - We invest in other entities meeting the definition of a VIE. We do not consolidate these investments because we do not meet the criteria of primary beneficiary as described below.

Fixed Maturity Securities - We invest in securitization entities as a debt holder or an investor in the residual interest of the securitization vehicle, which are included in fixed maturity securities on the consolidated balance sheets. These entities are deemed VIEs due to insufficient equity within the structure and lack of control by the equity investors over the activities that significantly impact the economics of the entity. In general, we are a debt investor within these entities and, as such, hold a variable interest; however, due to the debt holders' lack of ability to control the decisions within the trust that significantly impact the entity, and the fact the debt holders are protected from losses due to the subordination by the equity tranche, the debt holders are not deemed the primary beneficiary. Securitization vehicles in which we hold the residual tranche are not consolidated because we do not unilaterally have substantive rights to remove the general partner, or when assessing related party interests, we are not under common control, as defined by GAAP, with the related party, nor are substantially all of the activities conducted on our behalf; therefore, we are not deemed the primary beneficiary. Debt investments and investments in the residual tranche of securitization entities are considered debt instruments and are held at fair value on the balance sheets and classified as AFS or trading.

Investment funds - Investment funds include non-fixed income, alternative investments in the form of limited partnerships or similar legal structures that meet the definition of VIEs.

Our risk of loss associated with our non-consolidated investments is limited and depends on the investment, including any unfunded commitments, as follows: (1) investment funds accounted for under the equity method are limited to our initial investment; (2) investment funds under the fair value option are limited to the fair value; (3) AFS securities and other investments are limited to cost or amortized cost; and (4) trading securities are limited to carrying value.

The following summarizes the carrying value and maximum loss exposure of these non-consolidated VIEs:

	December 31, 2017	
<i>(in millions)</i>	Carrying Amount	Maximum Loss Exposure
Investment funds	\$ 486	\$ 501
Assets of consolidated VIE - investment Funds	22	22
Investment in fixed maturity securities	3,030	2,912
Total assets	\$ 3,538	\$ 3,435

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<i>(in millions)</i>	December 31, 2016	
	Carrying Amount	Maximum Loss Exposure
Investment funds	\$ 531	\$ 578
Investment in fixed maturity securities	2,573	2,582
Total assets	\$ 3,104	\$ 3,160

<i>(in millions)</i>	December 31, 2015	
	Carrying Amount	Maximum Loss Exposure
Investment funds	\$ 624	\$ 647
Investment in fixed maturity securities	2,127	2,222
Total assets	\$ 2,751	\$ 2,869

The following summarizes the Company's investment funds, including related party investment funds and investment funds owned by consolidated VIEs:

<i>(in millions)</i>	December 31, 2017		
	Carrying Value	Percent of Total	Remaining life in years
Investment funds			
Public equities	\$ 118	25%	N/A
Private equity	108	22%	2-8
Private equity Apollo Alternative Assets (AAA)	132	27%	2-5
Mortgage and real assets	28	6%	7-7
Hedge funds	18	4%	2-2
Credit funds	82	16%	1-5
Total investment funds	486	100%	
Investment funds owned by consolidated VIEs			
Real estate and other assets	22	100%	2-3
Total investment funds owned by VIEs	22	100%	
Total investment funds including funds owned by consolidated VIEs	\$ 508		

<i>(in millions)</i>	December 31, 2016		
	Carrying Value	Percent of Total	Remaining life in years
Investment funds			
Public equities	\$ 133	25%	N/A
Private equity	73	14%	1-8
Private equity Apollo Alternative Assets (AAA)	136	26%	2-3
Hedge funds	20	4%	3-3
Credit funds	169	31%	1-2
Total investment funds	\$ 531	100%	

<i>(in millions)</i>	December 31, 2015		
	Carrying Value	Percent of Total	Remaining life in years
Investment funds			
Private equity	\$ 84	13%	4-7
Mortgage and real assets	23	4%	3-4
Private equity Apollo Alternative Assets (AAA)	315	51%	1-4
Credit funds	202	32%	1-7
Total investment funds	\$ 624	100%	

Summarized Financial Information of Investment Funds-The following is the aggregated summarized financial information of equity method investees and may be presented on a lag due to the availability of financial information from the investee:

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Balance Sheets			
Assets	\$ 1,456	\$ 2,130	\$ 1,969
Liabilities	66	4	3
Equity	1,390	2,126	1,966

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Statements of Income			
Net income	\$ 136	\$ 26	\$ 27

The following table presents the carrying value by ownership percentage of equity method investment funds, including related party investment funds and consolidated VIE investment funds:

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Ownership Percentage			
100%	\$ 14	\$ 26	\$ 49
50% – 99%	250	268	315
3% – 49%	245	237	260
Equity method investment funds	\$ 509	\$ 531	\$ 624

5. Fair Value

Fair value is the price we would receive to sell an asset or pay to transfer a liability (exit price) in an orderly transaction between market participants. We determine fair value based on the following fair value hierarchy:

Level 1 - Unadjusted quoted prices for identical assets or liabilities in an active market.

Level 2 - Quoted prices for inactive markets or valuation techniques that require observable direct or indirect inputs for substantially the full term of the asset or liability. Level 2 inputs include the following:

- Quoted prices for similar assets or liabilities in active markets,
- Observable inputs other than quoted market prices, and
- Observable inputs derived principally from market data through correlation or other means.

Level 3 - Prices or valuation techniques with unobservable inputs significant to the overall fair value estimate. These valuations use critical assumptions not readily available to market participants. Level 3 valuations are based on market standard valuation methodologies, including discounted cash flows, matrix pricing, or other similar techniques.

The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). If the inputs used to measure fair value fall within different levels of the hierarchy, the category level is based on the lowest priority level input that is significant to the instrument's fair value measurement.

We use a number of valuation sources to determine fair values. Valuation sources can include quoted market prices; third-party commercial pricing services; third-party brokers; industry-standard, vendor modeling software that uses market observable inputs; and other internal modeling techniques based on projected cash flows. We periodically review the assumptions and inputs of third-party commercial pricing services through internal valuation price variance reviews, comparisons to internal pricing models, back testing to recent trades, or monitoring trading volumes.

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The following represents the Company's hierarchy for its assets and liabilities measured at fair value on a recurring basis:

(in millions)	December 31, 2017			
	Total	Level 1	Level 2	Level 3
Assets				
AFS fixed maturity securities				
U.S. government and agencies	\$ 3	\$ 3	\$ —	\$ —
U.S. State, municipal, and political subdivisions	52	—	52	—
Foreign governments	11	—	11	—
Corporate	2,036	—	2,001	35
CLO	826	—	826	—
ABS	463	—	392	71
CMBS	78	—	78	—
RMBS	1,389	—	1,389	—
Total AFS fixed maturity securities	4,858	3	4,749	106
Trading fixed maturity securities				
U.S. State, municipals, and political subdivisions	41	—	41	—
CLO	53	—	27	26
RMBS	222	—	64	158
Total trading fixed maturity securities	316	—	132	184
Short-term investments	15	—	15	—
Funds withheld at interest ¹	58,943	—	—	58,943
Derivative assets	1	—	1	—
Cash and cash equivalents	361	361	—	—
Restricted cash	11	11	—	—
Total assets measured at fair value	\$ 64,505	\$ 375	\$ 4,897	\$ 59,233
Liabilities				
Interest sensitive contract liabilities - embedded derivatives	\$ 6,034	\$ —	\$ —	\$ 6,034
Total liabilities measured at fair value	\$ 6,034	\$ —	\$ —	\$ 6,034

¹ Comprised of host contract and embedded derivative of \$3,907 million. The carrying value is equal to the fair value for both the host and embedded derivative. See Note 6 - Funds Withheld at Interest for more detail.

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December 31, 2016

<i>(in millions)</i>	Total	Level 1	Level 2	Level 3
Assets				
AFS fixed maturity securities				
U.S. government and agencies	\$ 3	\$ 3	\$ —	\$ —
U.S. State, municipal, and political subdivisions	51	—	51	—
Corporate	1,450	—	1,416	34
CLO	722	—	719	3
ABS	313	—	283	30
CMBS	45	—	45	—
RMBS	1,216	—	1,216	—
Total AFS fixed maturity securities	3,800	3	3,730	67
Trading fixed maturity securities				
U.S. State, municipals, and political subdivisions	46	—	46	—
CLO	83	—	—	83
RMBS	194	—	156	38
Total trading fixed maturity securities	323	—	202	121
Short-term investments	26	—	26	—
Funds withheld at interest ¹	49,455	—	—	49,455
Derivative assets	1	—	1	—
Cash and cash equivalents	130	130	—	—
Restricted cash	11	11	—	—
Total assets measured at fair value	\$ 53,746	\$ 144	\$ 3,959	\$ 49,643
Liabilities				
Interest sensitive contract liabilities - embedded derivatives	\$ 4,285	\$ —	\$ —	\$ 4,285
Total liabilities measured at fair value	\$ 4,285	\$ —	\$ —	\$ 4,285

¹ Comprised of host contract and embedded derivative of \$1,806 million. The carrying value is equal to the fair value for both the host and embedded derivative. See Note 6 - Funds Withheld at Interest for more detail.

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December 31, 2015

<i>(in millions)</i>	December 31, 2015			
	Total	Level 1	Level 2	Level 3
Assets				
AFS fixed maturity securities				
U.S. government and agencies	\$ 5	\$ 5	\$ —	\$ —
U.S. State, municipal, and political subdivisions	52	—	52	—
Corporate	953	—	917	36
CLO	611	—	566	45
ABS	250	—	142	108
CMBS	38	—	38	—
RMBS	1,034	—	1,034	—
Total AFS fixed maturity securities	2,943	5	2,749	189
Trading fixed maturity securities				
U.S. government and agencies	—	—	—	—
U.S. State, municipals, and political subdivisions	45	—	45	—
CLO	72	—	—	72
RMBS	121	—	97	24
Total trading fixed maturity securities	238	—	142	96
Short-term investments	37	—	37	—
Funds withheld at interest ¹	43,879	—	—	43,879
Derivative assets	1	—	1	—
Cash and cash equivalents	253	253	—	—
Restricted cash	9	9	—	—
Total assets measured at fair value	\$ 47,360	\$ 267	\$ 2,929	\$ 44,164
Liabilities				
Interest sensitive contract liabilities - embedded derivatives	\$ 3,540	\$ —	\$ —	\$ 3,540
Total liabilities measured at fair value	\$ 3,540	\$ —	\$ —	\$ 3,540

¹ Comprised of host contract and embedded derivative of \$469 million. The carrying value is equal to the fair value for both the host and embedded derivative. See Note 6 - Funds Withheld at Interest for more detail.

Refer to Note 4 - Variable Interest Entities for fair value disclosures associated with consolidated VIEs.

Fair Value Valuation Methods-We used the following valuation methods and assumptions to estimate fair value for assets held directly and assets supporting funds withheld at interest. See Note 6 - Funds Withheld at Interest for more detail.

AFS, trading securities, and fixed maturity and equity securities supporting funds withheld

Fixed maturity - We obtain the fair value for most marketable securities without an active market from several commercial pricing services. These are classified as Level 2 assets. The pricing services incorporate a variety of market observable information in their valuation techniques, including benchmark yields, trading activity, credit quality, issuer spreads, bids, offers and other reference data. This category typically includes U.S. and non-U.S. corporate bonds, U.S. agency and government guaranteed securities, ABS, CMBS and RMBS.

We value privately placed fixed maturity securities based on the credit quality and duration of comparable marketable securities, which may be securities of another issuer with similar characteristics. In some instances, we use a matrix-based pricing model. These models consider the current level of risk-free interest rates, corporate spreads, credit quality of the issuer and cash flow characteristics of the security. We also consider additional factors such as net worth of the borrower, value of collateral, capital structure of the borrower, presence of guarantees and our evaluation of the borrower's ability to compete in its relevant market. Privately placed fixed maturity securities are classified as Level 2 or 3.

Equity securities - Fair values of publicly traded equity securities are based on quoted market prices and classified as Level 1. Other equity securities, typically private equities or equity securities not traded on an exchange, we value based on other sources, such as commercial pricing services or brokers and are classified as Level 2 or 3.

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Mortgage loans supporting funds withheld

We estimate fair value on a monthly basis using discounted cash flow analysis and rates being offered for similar loans to borrowers with similar credit ratings. Loans with similar characteristics are aggregated for purposes of the calculations. The discounted cash flow model uses unobservable inputs, including estimates of discount rates and loan prepayments. Mortgage loans are classified as Level 3.

Funds withheld (embedded derivative) - The fair value of funds withheld at interest is classified as Level 3 as a more than insignificant amount of the underlying assets are Level 3. See *Note 6 - Funds Withheld at Interest* for more information.

Derivatives and derivatives supporting funds withheld

Derivative contracts can be exchange traded or over-the-counter. Exchange-traded derivatives typically fall within Level 1 of the fair value hierarchy depending on trading activity. Over-the-counter derivatives are valued using valuation models or an income approach using third-party broker valuations. Valuation models require a variety of inputs, including contractual terms, market prices, yield curves, credit curves, measures of volatility, prepayment rates, and correlation of the inputs. We consider and incorporate counterparty credit risk in the valuation process through counterparty credit rating requirements and monitoring of overall exposure. We also evaluate and include our own nonperformance risk in valuing derivatives. The majority of our derivatives trade in liquid markets; therefore, we can verify model inputs and model selection does not involve significant management judgment. These are typically classified within Level 2 of the fair value hierarchy.

Cash, cash equivalents, and cash and cash equivalents supporting funds withheld

The carrying amount for cash equals fair value. We estimate the fair value for cash equivalents based on quoted market prices. These assets are classified as Level 1.

Interest sensitive contract liabilities (embedded derivative) - Embedded derivatives related to interest sensitive contract liabilities with fixed indexed annuity products are classified as Level 3. The valuations include significant unobservable inputs associated with economic assumptions and actuarial assumptions for policyholder behavior.

Fair Value Option-The following represents the gains (losses) recorded for instruments for which we have elected the fair value option:

<i>(In millions)</i>	Years ended December 31,		
	2017	2016	2015
Trading securities	\$ (21)	\$ 19	\$ (88)
Total gains (losses)	\$ (21)	\$ 19	\$ (88)

Transfers Between Levels-Transfers into Level 3 generally represent securities that were valued using pricing sources which, due to changing market conditions, were less observable than in prior periods as indicated by the increased volatility, which was reflected in vendor prices obtained for individual securities. Additionally, changes in pricing sources also led to securities transferring into Level 3.

Transfers out of Level 3 generally represent securities that were valued using pricing sources which, due to changing market conditions, were more observable than in prior periods as indicated by increased volatility, which was reflected in vendor prices obtained for individual securities. Additionally, changes in pricing sources also led to securities transferring into Level 2.

Transfers into or out of any level are assumed to occur at the end of the period. For the years ended December 31, 2017, 2016, and 2015, there were no transfers between Level 1 and Level 2.

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Level 3 Financial Instruments-The following is a reconciliation for all Level 3 assets and liabilities measured at fair value on a recurring basis:

Year ended December 31, 2017										
(In millions)	Beginning Balance	Total realized and unrealized gains (losses)		Purchases	Sales, maturities, redemptions	Transfers			Ending Balance	Total gains (losses) included in earnings ¹
		Included in income	Included in OCI			In	(Out)	Other		
Assets										
AFS Securities										
Corporate	\$ 34	\$ —	\$ 2	\$ —	\$ (1)	\$ —	\$ —	\$ —	\$ 35	\$ —
CLO	3	—	—	—	—	—	(3)	—	—	—
ABS	30	1	—	16	(21)	45	—	—	71	—
Trading securities										
CLO	83	(3)	—	—	(27)	—	(27)	—	26	3
RMBS	38	(9)	—	47	—	82	—	—	158	4
Funds withheld at interest	49,455	2,915	—	—	—	—	—	6,573	58,943	—
Total Level 3 assets	\$ 49,643	\$ 2,904	\$ 2	\$ 63	\$ (49)	\$ 127	\$ (30)	\$ 6,573	\$ 59,233	\$ 7
Liabilities										
Interest sensitive contract liabilities										
Embedded derivative	\$ (4,285)	\$ (1,425)	\$ —	\$ (489)	\$ 165	\$ —	\$ —	\$ —	\$ (6,034)	\$ —
Total Level 3 liabilities	\$ (4,285)	\$ (1,425)	\$ —	\$ (489)	\$ 165	\$ —	\$ —	\$ —	\$ (6,034)	\$ —

¹ Related to instruments held at end of year.

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Year ended December 31, 2016

(In millions)	Total realized and unrealized gains (losses)					Transfers			Ending Balance	Total gains (losses) included in earnings ¹
	Beginning Balance	Included in income	Included in OCI	Purchases	Sales, maturities, redemptions	In	(Out)	Other		
Assets										
AFS securities										
Corporate	\$ 36	\$ —	\$ (1)	\$ 1	\$ (2)	\$ —	\$ —	\$ —	\$ 34	\$ —
CLO	45	1	9	—	(6)	3	(49)	—	3	—
ABS	108	5	(1)	13	(52)	10	(53)	—	30	—
Trading securities										
CLO	72	(1)	—	33	(21)	—	—	—	83	9
RMBS	24	(10)	—	45	(6)	—	(15)	—	38	(5)
Funds withheld at interest	43,879	1,184	—	—	—	—	—	4,392	49,455	—
Total Level 3 assets	\$ 44,164	\$ 1,179	\$ 7	\$ 92	\$ (87)	\$ 13	\$ (117)	\$ 4,392	\$ 49,643	\$ 4
Liabilities										
Interest sensitive contract liabilities										
Embedded derivative	\$ (3,540)	\$ (244)	\$ —	\$ —	\$ —	\$ —	\$ —	\$ (501)	\$ (4,285)	\$ —
Total Level 3 liabilities	\$ (3,540)	\$ (244)	\$ —	\$ —	\$ —	\$ —	\$ —	\$ (501)	\$ (4,285)	\$ —

¹ Related to instruments held at end of year.

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Year ended December 31, 2015

(In millions)	Total realized and unrealized gains (losses)					Transfers			Ending Balance	Total gains (losses) included in earnings ¹
	Beginning Balance	Included in income	Included in OCI	Purchases	Sales, maturities, redemptions	In	(Out)	Other		
Assets										
AFS securities										
Corporate	—	—	—	37	(1)	—	—	—	36	—
CLO	\$ 11	\$ —	\$ (1)	\$ —	\$ —	\$ 45	\$ (10)	\$ —	\$ 45	\$ —
ABS	4	—	—	54	(6)	56	—	—	108	—
Trading securities										
CLO	112	(2)	1	55	(94)	—	—	—	72	(9)
RMBS	—	(1)	—	25	—	—	—	—	24	—
Funds withheld at interest	45,329	(1,620)	—	—	—	—	—	170	43,879	—
Total Level 3 assets	\$ 45,456	\$ (1,623)	\$ —	\$ 171	\$ (101)	\$ 101	\$ (10)	\$ 170	\$ 44,164	\$ (9)
Liabilities										
Interest sensitive contract liabilities										
Embedded derivative	\$ (3,532)	\$ 226	\$ —	\$ —	\$ —	\$ —	\$ —	\$ (234)	\$ (3,540)	\$ —
Total Level 3 liabilities	\$ (3,532)	\$ 226	\$ —	\$ —	\$ —	\$ —	\$ —	\$ (234)	\$ (3,540)	\$ —

¹ Related to instruments held at end of year.

Significant Unobservable Inputs-Significant unobservable inputs occur when we could not obtain or corroborate the quantitative detail of the inputs. This applies to AFS fixed maturity securities. Additional significant unobservable inputs are described below.

Funds withheld at interest – Since more than an insignificant amount of the assets supporting funds withheld at interest would be Level 3, the overall valuation of the funds withheld at interest is classified as Level 3.

Interest sensitive contract liabilities - embedded derivative - Significant unobservable inputs we use in the fixed indexed annuities embedded derivative of the interest sensitive contract liabilities valuation include:

1. Non-performance risk - For funds withheld and modco contracts we reinsure with affiliated parties, we use the credit spread from the U.S. treasury curve based on our public credit rating as of the valuation date. This represents our credit risk for use in the estimate of the fair value of embedded derivatives. For non-affiliated contracts reinsured through funds withheld and modco reinsurance, the cedant company holds collateral against its exposure; therefore, immaterial non-performance risk is ascribed to these contracts.
2. Option budget - The Company assumes future hedge costs in the derivative's fair value estimate. The level of option budgets determines the future costs of the options and impacts future policyholder account value growth.
3. Policyholder behavior - We regularly review the lapse and withdrawal assumptions (surrender rate). These are based on the Company's initial pricing assumptions updated for actual experience. Actual Company experience may be limited for recently issued products.

December 31, 2017

(In millions, except for percentages)	Fair value	Valuation technique	Unobservable inputs	Input/range of inputs	Impact of an increase in the input on fair value
Fixed indexed annuities embedded derivatives	\$ 6,034	Option budget method	Non-performance risk	0.0% – 1.2%	Decrease
			Option budget	0.7% – 3.7%	Increase
			Surrender rate	0.0% – 19.4%	Decrease

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December 31, 2016					
<i>(In millions, except for percentages)</i>	Fair value	Valuation technique	Unobservable inputs	Input/range of inputs	Impact of an increase in the input on fair value
Fixed indexed annuities embedded derivatives	\$ 4,285	Option budget method	Non-performance risk	0.0% - 1.5%	Decrease
			Option budget	0.8% - 3.8%	Increase
			Surrender rate	0.0% - 16.3%	Decrease

December 31, 2015					
<i>(In millions, except for percentages)</i>	Fair value	Valuation technique	Unobservable inputs	Input/range of inputs	Impact of an increase in the input on fair value
Fixed indexed annuities embedded derivatives	\$ 3,540	Option budget method	Non-performance risk	0.0% - 1.8%	Decrease
			Option budget	0.8% - 3.8%	Increase
			Surrender rate	0.0% - 10.7%	Decrease

Fair Value of Financial Instruments Not Carried at Fair Value-The following represents the Company's financial instruments not carried at fair value on the consolidated balance sheets:

<i>(In millions)</i>	Fair Value Level	December 31, 2017		December 31, 2016		December 31, 2015	
		Carrying Value	Fair Value	Carrying Value	Fair Value	Carrying Value	Fair Value
Assets							
Investment funds	NAV ¹	\$ 148	\$ 148	\$ 153	\$ 153	\$ 220	\$ 220
Investment funds in related parties	NAV ¹	360	360	378	378	404	404
Total assets not carried at fair value		<u>\$ 508</u>	<u>\$ 508</u>	<u>\$ 531</u>	<u>\$ 531</u>	<u>\$ 624</u>	<u>\$ 624</u>
Liabilities							
Interest sensitive contract liabilities ²	3	\$ 27,007	\$ 26,875	\$ 23,134	\$ 22,332	\$ 19,737	\$ 19,225
Total liabilities not carried at fair value		<u>\$ 27,007</u>	<u>\$ 26,875</u>	<u>\$ 23,134</u>	<u>\$ 22,332</u>	<u>\$ 19,737</u>	<u>\$ 19,225</u>

¹ Investments measured at NAV as a practical expedient in determining fair value have not been classified in the fair value hierarchy.

² During 2016, we changed the disclosure of interest sensitive contract liabilities to exclude insurance contracts, which are not required to be included. We determined contract types that meet the definition of insurance contracts include universal life and traditional fixed and fixed indexed annuities with significant mortality or morbidity risks. In previous periods, all contracts within interest sensitive contract liabilities not held at fair value were included. As such, the carrying and fair values reported for December 31, 2015 were adjusted to be comparable.

We estimate the fair value for financial instruments not carried at fair value using the same methods and assumptions as those we do carry at fair value. The financial instruments presented above are reported at carrying value on the consolidated balance sheets; however, in the case of investment funds, investment funds in related parties and interest sensitive contract liabilities, the carrying amount approximates or equals fair value.

Investment funds in related parties - Other investments - The fair value of investment funds in related party - other investments is determined using a discounted cash flow model using discount rates for similar investments.

Interest sensitive contract liabilities - The carrying and fair value of interest sensitive contract liabilities above includes fixed indexed and traditional fixed annuities without mortality or morbidity risks, funding agreements, and payout annuities without life contingencies. The embedded derivatives within fixed indexed annuities without mortality or morbidity risks are excluded, as they are carried at fair value. The valuation of these investment contracts is based on discounted cash flow methodologies using significant unobservable inputs. The estimated fair value is determined using current market risk-free interest rates, adding a spread to reflect our nonperformance risk and subtracting a risk margin to reflect uncertainty inherent in the projected cash flows.

6. Funds Withheld at Interest

Funds withheld at interest represents the receivable for assets supporting funds withheld and modco reinsurance. These assets are held in trusts or custodial accounts that are legally segregated from our third party ceding companies' general accounts and are managed by Athene Asset Management (AAM), a related party to ALRe. In the event of a ceding company's insolvency, we would need to assert a claim on the assets supporting our reserve liabilities. However, we have the ability to offset amounts we owe to the ceding company, which reduces our risk of loss. Interest generally accrues on these assets based upon the investment earnings on the underlying investments. The Company is subject to the investment performance and has all economic rights and obligations on the funds withheld assets in a fashion similar to invested assets held directly by the Company.

Information on the underlying assets within the funds withheld at interest is presented below.

(In millions)	Assets supporting funds withheld at interest		
	December 31, 2017	December 31, 2016	December 31, 2015
Fixed maturity securities			
U.S. government and agencies	\$ 6	8	\$ 8
U.S. State, municipal, and political subdivisions	1,088	1,067	894
Foreign governments	136	140	101
Corporate	25,080	19,909	17,178
CLOs	4,965	5,039	4,803
ABS	3,720	2,498	2,389
CMBS	2,016	1,861	1,674
RMBS	8,578	8,244	6,923
Equity securities	164	168	179
Mortgage loans	6,314	5,472	5,007
Investment funds	2,594	2,443	2,551
Policy loans	35	43	39
Derivatives	1,978	1,146	688
Short-term investments	183	196	114
Other investments	334	344	255
Cash and cash equivalents	3,319	587	1,068
Other assets and liabilities ¹	235	290	8
Payables for collateral on derivatives	(1,802)	—	—
Funds withheld at interest	\$ 58,943	\$ 49,455	\$ 43,879

¹ Other assets and liabilities includes the net of accrued investment income, open payable and receivable for security trades, excise tax payable, deposits and premiums receivable, claims and surrenders payable, and other assets and liabilities associated with the funds withheld and modco reinsurance treaties.

Approximately 93.7%, 92.3% and 94.2% of the fixed maturity securities within the funds withheld at interest are investment grade by NAIC designation as of December 31, 2017, 2016 and 2015, respectively.

7. Reinsurance

Third-party reinsurance

The Company continues to reinsure a flow of annuities of Midland National Life Insurance Company (Midland) and American Equity Investment Life Insurance ("AEL"), on a funds withheld or modco basis.

Affiliated reinsurance

The Company continues to reinsure new business related to annuities and funding agreements from Athene Annuity and Life Company (IA) (AAIA), Athene Annuity & Life Assurance Company (AADE) and Structured Annuity Reinsurance Company (STAR).

8. Deferred Acquisition Costs, Deferred Sales Inducements and Reinsurance Intangibles

Included within *Deferred Acquisition Costs and Deferred Sales Inducements* on the consolidated balance sheets of \$2,614 million are deferred acquisition costs (DAC) of \$1,194 million, deferred sales inducements (DSI) of \$425 million, and day one losses of \$995 million. The day one losses are summarized separately within the reinsurance intangibles section below.

Deferred Acquisitions Costs and Deferred Sales Inducements

The following summarizes a rollforward of DAC and DSI:

<i>(In millions)</i>	DAC	DSI	Total
Balance at December 31, 2014	\$ 387	\$ 158	\$ 545
Additions	264	111	375
Amortization	15	8	23
Balance at December 31, 2015	666	277	943
Additions	472	158	630
Amortization	(148)	(53)	(201)
Balance at December 31, 2016	990	382	1,372
Additions	449	129	578
Amortization	(245)	(86)	(331)
Balance at December 31, 2017	\$ 1,194	\$ 425	\$ 1,619

We did not make any adjustments to DAC or DSI recoverability during the years ended December 31, 2017, 2016, or 2015.

Reinsurance Intangibles

For each block reinsurance transaction, the Company defers the net of the fair value of assets acquired and the sum of reserves acquired, other liabilities acquired, and ceding commission payable or receivable as DAC or unearned revenue reserve (URR) and referred as day one loss and day one gain, respectively.

The following summarizes the day one gains included within *Interest sensitive contract liabilities* and *Future policy benefits*, and day one losses included within *Deferred acquisition costs and deferred sales inducements* on the consolidated balance sheets.

<i>(In millions)</i>	Day one gain	Day one loss	Total
Balance at December 31, 2014	\$ 861	\$ (1,002)	\$ (141)
Amortization	(96)	(83)	(179)
Balance at December 31, 2015	765	(1,085)	(320)
Additions	—	(51)	(51)
Amortization ¹	(102)	116	14
Balance at December 31, 2016	663	(1,020)	(357)
Additions	—	7	7
Amortization	(131)	18	(113)
Balance at December 31, 2017	\$ 532	\$ (995)	\$ (463)

¹ 2016 day one loss amortization includes \$(103) million credit for an out of period adjustment that relates to 2015.

9. Reserves

Included in *Interest sensitive contract liabilities* and *Future policy benefits* are day one gains as of December 31, 2017, December 31, 2016 and December 31, 2015. See Note 8 - *Deferred Acquisition Costs, Deferred Sales Inducements and Reinsurance Intangibles* for a summary of day one gains and losses.

The following table summarizes the interest sensitive contract liability reserves by product:

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Deferred annuities	\$ 11,460	\$ 11,328	\$ 8,857
Fixed indexed annuities	37,322	33,672	30,891
Funding agreements	3,773	1,091	1,539
Single premium immediate annuities and supplemental contracts - non-life contingent	722	953	923
Total	\$ 53,277	\$ 47,044	\$ 42,210

Future policy benefit reserves represent rider reserves. The following table summarizes the future policy benefit reserves by product:

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Deferred annuities	\$ 87	\$ 43	\$ 23
Fixed indexed annuities	1,893	1,134	603
Single premium immediate annuities and supplemental contracts - life contingent	2,873	2,957	3,056
Pension risk transfer annuities	1,802	—	—
Total	\$ 6,655	\$ 4,134	\$ 3,682

10. Debt

Refer to *Note 4 - Variable Interest Entities* for disclosures regarding borrowings of the Company's consolidated VIEs.

Credit Facility—On September 20, 2013, AHL and ALRe entered into a three-year revolving credit agreement (Credit Facility) with Citibank, N.A., as administrative agent. Beginning in 2014, Athene USA was added as a borrower. The amount available under the Credit Facility was \$500 million. In connection with the Credit Facility, AHL guaranteed all of the obligations of ALRe and Athene USA, ALRe guaranteed certain of the obligations of AHL and Athene USA, and Athene USA guaranteed the obligations of AHL and ALRe. The agreement contained various standard covenants with which we had to comply.

On January 22, 2016, AHL, Athene USA and ALRe terminated the Credit Facility and entered into a five-year revolving credit agreement with Citibank, N.A., as administrative agent. The amount available under the new Credit Facility is \$1 billion, with AHL, ALRe, and Athene USA as joint and several borrowers and guarantors. Interest will accrue on outstanding borrowings at LIBOR plus a margin or a base rate plus a margin, based on the credit rating of AHL. The new Credit Facility has a commitment fee on the unused commitment, based on the credit rating of AHL. As of December 31, 2017, we had no amounts outstanding under the Credit Facility and were in compliance with all covenants.

11. Common Shares

The Company has one class of common stock, which represents 100% of the total voting power of the Company, and is beneficially owned by Athene Holding Ltd. (“AHL”). The Company is authorized to and has issued 1,500,000 shares at a par value of \$1.00 each to AHL.

12. Stock-Based Compensation

AHL has adopted share incentive plans to issue non-qualified share options, rights to purchase shares, restricted shares, restricted stock units, and other awards which may be settled in, or based upon, AHL’s common shares. Through its incentive plans, AHL has issued the following four categories of stock-based compensation to the Company’s employees: long-term incentive plan (LTIP) awards, Class M awards, Class A awards and Employee Stock Purchase Plan (ESPP). These awards have certain service and performance conditions. As a result, a portion of stock-based compensation expense incurred during the year is allocated to the Company by AHL.

Total stock-based compensation expense incurred by the Company was \$2 million, \$4 million and \$3 million for the years ended December 31, 2017, 2016 and 2015 respectively. These amounts are reflected within the policy and other operating expenses on the consolidated statements of income (loss).

13. Accumulated Other Comprehensive Income

The following is a detail of AOCI:

<i>(In millions)</i>	December 31,		
	2017	2016	2015
Unrealized gain (loss) on AFS securities	\$ 169	\$ (1)	\$ (77)
Unrealized gain (loss) on investment funds	23	14	—
Accumulated other comprehensive income (loss)	\$ 192	\$ 13	\$ (77)

Changes in AOCI are presented below.

<i>(In millions)</i>	Years ended December 31,		
	2017	2016	2015
Unrealized gains (losses) on AFS securities			
Unrealized holding gain (losses) arising during the year	\$ 175	\$ 74	\$ (84)
Less: Reclassification adjustment for gains (losses) realized in net income ¹	(5)	2	(10)
Change in unrealized gains (losses) on AFS securities	170	76	(94)
Unrealized gains (losses) on investment funds			
Other comprehensive income on equity method investment funds	9	14	—
Change in AOCI	\$ 179	\$ 90	\$ (94)

¹ Recognized in net investment income on the consolidated statements of income (loss).

14. Income Taxes

Under current Bermuda law, we are not required to pay any taxes in Bermuda on either income or capital gains. We have received an undertaking from the Bermuda Minister of Finance that, in the event of any such taxes being imposed, the Company will be exempted from taxation until the year 2035.

15. Statutory Requirements

ALRe is licensed by the Bermuda Monetary Authority (BMA) as a Class E long term insurer and is subject to the Insurance Act 1978, as amended (Bermuda Insurance Act) and regulations promulgated thereunder. Effective January 1, 2016 the BMA implemented the Economic Balance Sheet (EBS) framework into the Bermuda Solvency and Capital Requirement (BSCR) for commercial insurers which was granted equivalency to the European Union's Directive (2009/138/EC) ("Solvency II") in March 2016. Under this framework a Class E insurer must produce three sets of financial statements:

1. **GAAP Financial Statements** - Financial statements prepared in accordance with an internationally recognized comprehensive base of accounting, and for which ALRe has elected to prepare US GAAP financial statements. These financial statements form the basis for the preparation of both the Statutory Financial Statements and the Economic Balance Sheet.
2. **Statutory Financial Statements (SFS)** - Equal to the GAAP financial statements adjusted for:
 - a. Prudential filters that include a) adjustments to eliminate non-admitted assets including goodwill and other similar intangible assets, not considered admissible for solvency purposes, and b) adjustments to include certain assets and liabilities that are generally off-balance sheet under general purpose reporting. These include items such as guarantees and other instruments that do not relate to the insurer's own insurance contracts.
 - b. Directions (aka permitted practices) issued by the BMA.
3. **Economic Balance Sheet (EBS)** - A balance sheet where assets are recorded based on GAAP fair values and insurance reserves are based on technical provisions comprised of the sum of a best estimate liability plus a risk margin. The best estimate liability may be calculated by applying the standard approach or the scenario approach. Under the standard approach the discount rate for insurance reserves is a rate prescribed by the BMA. Under the scenario approach the discount rate for insurance reserves is based on the yield on eligible assets owned by the insurer as determined under the worst result of nine prescribed stressed scenarios.

Under the Bermuda Insurance Act, ALRe is required to maintain SFS capital and surplus to meet the Minimum Margin of Solvency (MMS) which is equal to the greater of \$8 million or 2% of the first \$500 million of SFS assets plus 1.5% of SFS assets above \$500 million. As of January 1, 2017 the MMS is subject to a floor of 25% of the Enhanced Capital Ratio (ECR).

Under the Bermuda Insurance Act, ALRe is also required to maintain minimum EBS capital and surplus to meet the ECR which is equal to a risk based capital model where risk factor charges are applied to the EBS balance sheet in order to determine the ECR.

The following table presents the ALRE actual and required GAAP, SFS, and EBS capital and surplus and net income amounts as of and for the year ended December 31, 2017.

<i>(In millions)</i>	Year ended December 31, 2017		
	GAAP	SFS	EBS
Actual Capital and Surplus	\$ 7,159	\$ 6,972	\$ 7,724
Required Capital and Surplus ⁽¹⁾	N/A	—	2,181
BSCR Ratio ⁽²⁾	N/A	N/A	354%
Net Income (Loss) ⁽³⁾	2,110	828	N/A

- (1) Represents the MMS for the SFS and the ECR for EBS. There is not a required capital and surplus amount for the GAAP financial statements.
- (2) BSCR ratio for the current binding regulatory solvency constraint of EBS is shown.
- (3) EBS comprises of only a balance sheet.

The BMA has granted ALRe a direction in the SFS to utilize amortized cost for the valuation of certain investments instead of fair value as well as a direction to use U.S. statutory reserving principles for the calculation of insurance reserves instead of US GAAP, subject to the reserves being proven to be adequate based on cash flow testing. The impact on the SFS of these directions is approximately equal to the difference between GAAP and SFS capital and surplus and net income.

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To enable the BMA to better assess the quality of the insurer's capital resources, a Class E insurer is required to disclose the makeup of its capital in accordance with the '3-tiered capital system.' Highest quality capital is classified as Tier 1 Capital, lesser quality capital is classified as either Tier 2 Capital or Tier 3 Capital. The Bermuda Insurance Act requires that Class E insurers have Tier 1 Capital equal to or greater than 50% of the value of its ECR and Tier 3 Capital of not more than 17.65% of the aggregate of its Tier 1 Capital and Tier 2 Capital. As of December 31, 2017 all of the eligible capital used by ALRe to meet the MSM and ECR was Tier 1 Capital. ALRe monitors its capital tiers and any encumbrances on capital when determining capital tiers, including assessing any capital restricted in trusts and funds withheld or modco arrangements.

Under the Bermuda Insurance Act, ALRe is prohibited from paying a dividend in an amount exceeding 25% of the prior year's statutory capital and surplus, unless at least two members of ALRe's board of directors and its principal representative in Bermuda sign and submit to the BMA an affidavit attesting that a dividend in excess of this amount would not cause ALRe to fail to meet its relevant margins. In certain instances, ALRe would also be required to provide prior notice to the BMA in advance of the payment of dividends. In the event that such an affidavit is submitted to the BMA in accordance with the Bermuda Insurance Act, and further subject to ALRe meeting its MMS and ECR, ALRe is permitted to distribute up to the sum of 100% of statutory surplus and an amount less than 15% of statutory capital. Distributions in excess of this amount require the approval of the BMA. As of December 31, 2017 and 2016, the maximum distribution ALRe was permitted to pay AHL without the need for prior approval was \$5,022 million and \$2,479 million, respectively.

16. Related Party Transactions

Unsecured Revolving Notes Receivable—ALRe has unsecured revolving notes receivable and unsecured revolving notes payable with AHL. The unsecured revolving notes receivable from AHL permits AHL to borrow an amount not to exceed \$250 million with a fixed interest rate of 1.25% and a maturity date of June 1, 2020. As of December 31, 2017, there was no balance outstanding under this agreement.

The following summarizes related party balances included on the consolidated balance sheets and the consolidated statements of income (loss). The tables below include related party balances not previously disclosed.

<i>(in millions)</i>	December 31,		
	2017	2016	2015
Assets			
Investments			
Available for sale securities, CLOs, at fair value	\$ 144	\$ 158	\$ 136
Trading securities, CLOs, at fair value	53	83	72
Investment funds	360	378	404
Funds withheld at interest ¹	51,857	42,920	40,396
Total investments	52,414	43,539	41,008
Deferred acquisition costs and deferred sales inducements ¹	2,366	2,104	1,841
Accrued investment income	1	—	—
Other assets ²	—	1	3
Assets of consolidated variable interest entities	22	—	—
Total related party assets	\$ 54,803	\$ 45,644	\$ 42,852
Liabilities			
Interest sensitive contract liabilities ¹	\$ 46,231	\$ 40,785	\$ 39,178
Future policy benefits ¹	6,761	4,022	3,623
Other policy claims and benefits ¹	12	14	30
Other liabilities ³	18	20	34
Due to affiliates	2	3	—
Total related party liabilities	\$ 53,024	\$ 44,844	\$ 42,865

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(in millions)	Years ended December 31,		
	2017	2016	2015
Revenue			
Premiums ¹	\$ 1,768	\$ 15	\$ 37
Product charges ¹	263	214	186
Net investment income ⁴	4,869	2,907	264
Net investment income from variable interest entities	2	—	—
Benefits and Expenses			
Interest sensitive contract benefits ¹	\$ 1,711	\$ 799	\$ 436
Amortization of deferred sales inducements ¹	80	47	(9)
Future policy and other policy benefits ¹	2,933	617	107
Amortization of deferred acquisition costs ¹	196	214	(106)
Policy and other operating expenses ⁵	307	283	271

¹ We have intercompany modco reinsurance agreements with our affiliates. See Note 7 - Reinsurance for more information. Accordingly, these balances result from our intercompany reinsurance transactions with our affiliates.

² Included in other assets are amounts due from affiliate(s).

³ Included in other liabilities are amounts due to affiliate(s).

⁴ Included in net investment income is the net income earned from the assets supporting the funds withheld at interest of our intercompany modco reinsurance agreements of \$4,932 million, \$3,019 million and \$345 million for the years ended December 31, 2017, 2016, and 2015 respectively. Also included in net investment income is the income earned on the assets directly managed by Apollo, net of Apollo's management fee and sub-advise fee, of \$(59) million, \$(112) million and \$(81) million for the years ended December 31, 2017, 2016, and 2015 respectively.

⁵ Included in policy and other operating expenses are policy benefit expenses to our affiliates in relation to the intercompany modco reinsurance agreements for \$307 million, \$283 million and \$273 million for the years ended December 31, 2017, 2016, and 2015, respectively. Also included in policy and other operating expenses are cost sharing expenses (recovery) with Apollo for \$0 million, \$0 million and \$(1) million for the years ended December 31, 2017, 2016, and 2015 respectively.

Significant cash flows from related party modco reinsurance are included in cash from operations and are disclosed below, along with non-cash profit settlements in the form of security transfers.

	Years ended December 31,		
	2017	2016	2015
Cash profit settlements on modified coinsurance agreements - related party	\$ 183	\$ 89	\$ 102
Non-cash profit settlements on modified coinsurance agreements in the form of securities - related party	532	361	653
Total	\$ 715	\$ 450	\$ 755

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A summary of significant related party investing cash flows is as follows:

	Years ended December 31,		
	2017	2016	2015
Cash flow from investing activities			
Sales, maturities, and repayments of:			
Available for sale securities, fixed maturity securities	\$ 65	\$ 8	\$ —
Trading securities	27	20	53
Investment funds	154	59	154
Purchases of:			
Available for sale securities, fixed maturity securities	(44)	(18)	(47)
Trading securities	—	(33)	(52)
Investment funds	(97)	(73)	(121)
Purchases of investments of consolidated variable interest entities	(21)	—	—

Investment related expenses - Substantially all of our investments are managed by AAM, a subsidiary of Apollo Global Management, LLC ("AGM"). AAM provides direct investment management, asset allocation, mergers and acquisition asset diligence, and certain operational support services for our investment portfolio, including investment compliance, tax, legal, and risk management support. As of December 31, 2017, AAM directly manages \$5,878 million of our investment portfolio assets, of which 81% are rated one or two by the NAIC.

For the services it renders, AAM earns a fee on all assets managed in accounts owned by or related to us, including sub-advised assets, but excluding certain other limited exceptions. Additionally, AAM recharges the sub-advisory fees it incurs with respect to our sub-advised assets to us. Historically, AAM generally earned an annual fee of 0.40% of assets under management. In the second quarter of 2017, following AHL shareholder approval of an amendment to our bye-laws, AHL entered into the Fifth Amended and Restated Fee Agreement (Revised Fee Agreement), retroactive to January 1, 2017. The Revised Fee Agreement amended certain fee arrangements we previously had in place with AAM to provide for, among other things, an annual fee of 0.30% (reduced from 0.40%) on all assets that Apollo manages in accounts owned by AHL in the U.S. and Bermuda or in accounts supporting reinsurance ceded to AHL's U.S. and Bermuda subsidiaries by third-party insurers (North American Accounts) in excess of \$65,846 million (the level of AHL's assets in the North American Accounts as of December 31, 2016). The fee to be paid by us to AAM on the first \$65,846 million of assets in the North American Accounts remains 0.40% per year, subject to certain discounts and exceptions.

Assets supporting funds withheld at interest: The majority of the assets supporting the funds withheld at interest are managed by AAM. See *Note 6 - Funds Withheld at Interest* for more information.

For certain assets which require specialized sourcing and underwriting capabilities, AAM has chosen to mandate sub-advisors rather than building out in-house capabilities. AAM has entered into a Master Sub-Advisory Agreements (MSAAs) with certain Apollo affiliates to sub-advise AAM with respect to a portion of our assets, with the fees recharged to us, in addition to the gross fee paid to AAM as described above. The MSAAs cover services rendered by Apollo-affiliated sub-advisors relating to the following investments:

(In millions, except for percentages)	December 31,		
	2017	2016	2015
Fixed maturity securities			
U.S. State, municipals, and political subdivisions	\$ —	\$ —	\$ —
Foreign governments	11	—	—
Corporate	472	131	57
CLO	729	574	475
ABS	6	8	48
CMBS	44	37	38
Total assets	\$ 1,262	\$ 750	\$ 618
Percent of total AAM managed Company assets	21%	16%	15%

The management and sub-advisory fees are included within the net investment income line on the consolidated statements of income (loss). The management fees payable as of December 31, 2017, 2016, and 2015 were \$9 million, \$2 million and \$14 million respectively. The sub-advisory fees payable as of December 31, 2017, 2016, and 2015 were \$10 million, \$19 million, and \$19 million respectively.

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Because the Apollo Group has a significant voting interest in AHL, in order to protect against potential conflicts of interest resulting from transactions that we and AHL have entered, and will continue to enter into with the Apollo Group, the AHL board of directors has formed a conflicts committee, consisting of three of its directors (two of whom are also ALRe directors) who are not officers or employees of any member of the Apollo Group. The conflicts committee reviews and a majority of the committee members must approve certain material transactions between AHL and/or its subsidiaries and the Apollo Group, subject to certain exceptions.

Service fees - AHL has entered into shared services agreements with AAM. Under these agreements, we and AAM make available to each other certain personnel and services. Expenses for the services are based on the amount of time spent on the affairs of the other party, in addition to actual expenses incurred and certain cost reimbursements. For the years ended December 31, 2017, 2016, and 2015, net expenses allocated from (to) AAM under these agreements were \$0 million, \$0 million, and \$(1) million, respectively. The Company had no net expenses payable to AAM as of December 31, 2017, 2016, and 2015.

17. Commitments and Contingencies

Contingent Commitments-The Company had commitments to make additional capital contributions to certain investment funds of \$279 million, \$57 million and \$48 million as of December 31, 2017, 2016, and 2015 respectively. The Company expects most of its current commitments will be invested over the next five years; however, these commitments could become due any time upon counterparty request.

Restricted Assets - The total restricted assets included on the consolidated balance sheets are as follows:

<i>(In millions)</i>	December 31,		
	2017	2016	2015
Fixed maturity securities - AFS	\$ 296	\$ 260	\$ 124
Short term - AFS	—	16	—
Restricted cash	11	11	9
Total restricted assets	<u>\$ 307</u>	<u>\$ 287</u>	<u>\$ 133</u>

ALRe has established reinsurance trusts of assets equal to statutory reserves, plus an additional amount of assets, as a result of a coinsurance agreement with United American Corporation.

ALRe has established escrow account of assets equal to a portion of statutory reserves, as a result of the modco agreement with Midland described in *Note 7 - Reinsurance*.

Litigation, Claims, and Assessments

Hudson Matter - On June 12, 2015, a putative class action complaint was filed in the United States District Court, Northern District of California against ALRe, AHL, Athene USA Corporation ("AUSA"), AAIA, AAM, and AGM. The complaint, which is similar to complaints previously filed against other large insurance companies, primarily alleges that captive reinsurance and other transactions had the effect of misrepresenting the financial condition of AAIA. The complaint purports to be brought on behalf of a class of purchasers of annuity products issued by AAIA between 2007 and the present. There are also various allegations related to the purchase of Aviva USA and concerning entry into a modco transaction with ALRe in October 2013. The suit asserts claims of violation of the Racketeer Influenced and Corrupt Organizations Act and seeks compensatory damages, trebled, in an amount to be determined, costs, and attorneys' fees. On March 25, 2016, our motion to transfer to the United States District Court, Southern District of Iowa was granted. On May 24, 2016, plaintiff filed an Amended Complaint that removed plaintiff Silva and defendant Aviva plc from the action. We moved to dismiss the amended complaint on June 30, 2016. On May 11, 2017, the putative class action complaint filed by Don Hudson, on behalf of himself and others similarly situated, against us was dismissed in a written decision by the S.D. IA Court. Plaintiff did not appeal the district court's decision and this matter is concluded.

18. Subsequent Events

The Company has evaluated the impact of subsequent events through April 30, 2018, the date at which the consolidated financial statements were available to be issued.

In the first quarter of 2018 AHL contributed to ALRe all of the issued and outstanding shares in Athene USA Corporation, an Iowa corporation and wholly owned subsidiary of AHL.