The NAIC's Capital Markets Bureau monitors developments in the capital markets globally and analyzes their potential impact on the investment portfolios of US insurance companies. A list of archived Capital Markets Bureau Special Reports is available via the index

## U.S. Insurance Industry Cash and Invested Assets at Year-End 2016

This special report is an update to a previously published report on June 6, 2016, by the NAIC Capital Markets Bureau titled "U.S. Insurance Industry Cash and Invested Assets at Year-End 2015." In this report, we examine the U.S. insurance industry's holdings of cash and invested assets, as reported by approximately 4,500 insurance companies for the year ended Dec. 31, 2016, and we review year-over-year (YOY) developments and noteworthy changes in the industry's asset allocations. This report provides a high-level view of insurers' year-end 2016 cash and invested assets, including exposure across the five major insurer types and by size of assets under management.

## Cash and Invested Assets, Year-End 2016

U.S. insurers, as shown in Table 1, reported more than $\$ 6.1$ trillion of cash and invested assets, on a book/adjusted carrying value (BACV) basis, for 2016. This includes both affiliated and unaffiliated investments and represented a $\$ 324$ billion, or close to $5.6 \%$, increase from yearend 2015. In comparison, the industry's total cash and invested assets had risen by $\$ 56$ billion, or only 1\%, from 2014 to 2015. In terms of BACV growth, the largest increases from 2015 to 2016 for U.S. insurers were in bonds ( $6.3 \%$ ), common stocks ( $8 \%$ ) and mortgages (almost $9 \%$ ). Notable YOY changes, in percentage terms, included a $32 \%$ increase in other receivables, a rise of nearly $15 \%$ in derivatives, and an $11 \%$ decline in preferred stock. In addition, cash and short-term investments increased by 7\%, and Schedule BA assets (other long-term investments) increased by $6 \%$.

Table 1: U.S. Insurer Cash and Invested Assets Allocations 2012-2016 (\$bil. BACV)*

| Year | Bonds | Common stock | Mortgages | Schedule BA tother longTerm Assets] | Cash \& Shortterm Investments | Contract Lons | Derivatives | Real Estate | Preferred stock | Securities Lending | Other Receivables | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2016 | 4,088 | 727 | 465 | 324 | 242 | 130 | 62 | 43 | 22 | 21 | 17 | 6,141 |
| 2015 | 3,904 | 673 | 427 | 306 | 225 | 130 | 54 | 41 | 25 | 17 | 16 | 5,818 |
| 2014 | 3,859 | 684 | 393 | 313 | 228 | 133 | 57 | 38 | 25 | 17 | 14 | 5,762 |
| 2013 | 3,726 | 669 | 368 | 287 | 211 | 130 | 38 | 39 | 21 | 19 | 12 | 5,521 |
| 2012 | 3,632 | 588 | 348 | 264 | 223 | 130 | 42 | 38 | 21 | 15 | 10 | 5,311 |

* Includes affiliated and unaffiliated investments


## Cash and Invested Assets Distribution Among Insurer Types

The largest portion of insurer assets at year-end 2016 continued to be in bonds, which made up $67 \%$ of the industry's total cash and invested assets. (See Table 2.) Common stock investments were the second largest holding for the industry at almost $12 \%$ of total cash and invested assets, followed by mortgages at $8 \%$. Schedule BA assets remained at $5 \%$ of the industry's total cash and invested assets at year-end 2016.

Table 2: Total Cash and Invested Assets Breakdown (\$mil. BACV), Year-End 2016

| Asset Class | Life | P/C | Health | Fraternal | Title | Asset Total | Asset Class Total/Total \%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bonds | 2,874,532 | 1,000,516 | 105,119 | 103,022 | 5,219 | 4,088,409 | 67\% |
| Common Stock | 158,184 | 527,995 | 35,001 | 3,968 | 2,101 | 727,248 | 12\% |
| Mortgages | 437,710 | 15,651 | 37 | 11,072 | 74 | 464,544 | 8\% |
| Schedule BA (Other Long-term Assets) | 161,200 | 148,208 | 10,055 | 4,201 | 212 | 323,876 | 5\% |
| Cash \& Short-term Investments | 101,880 | 95,704 | 40,518 | 2,818 | 1,177 | 242,098 | 4\% |
| Contract Loans | 126,976 | 2 |  | 2,855 |  | 129,834 | 2\% |
| Derivatives | 62,014 | 531 | 3 | 36 |  | 62,584 | 1\% |
| Real Estate | 24,504 | 12,311 | 5,402 | 294 | 241 | 42,752 | 1\% |
| Preferred Stock | 9,715 | 10,951 | 400 | 533 | 328 | 21,926 | 0.4\% |
| Other Recei vables | 11,876 | 8,213 | 664 | 82 | 11 | 20,847 | 0.3\% |
| Securities Lending (Reinvested Collateral) | 12,627 | 2,671 | 1,253 | 775 |  | 17,327 | 0.3\% |
| Industry Total | 3,981,218 | 1,822,755 | 198,453 | 129,656 | 9,362 | 6,141,444 | 100\% |
| Industry Total/Total \%) | 64.8\% | 29.7\% | 3.2\% | 2.1\% | 02\% | 100.0\% |  |

Life companies held the largest share, or $64.8 \%$, of the industry's total cash and invested assets in 2016, which was relatively consistent with year-end 2015. Property/casualty (P/C) companies continued to account for the second largest portion of assets at $29.7 \%$ of total cash and invested assets, which was also relatively consistent with year-end 2015.

## Common Stock Exposure

The industry's aggregate investment in common stocks in 2016 (shown in Table 3) was $\$ 727$ billion in 2016, an increase of about $8 \%$ from $\$ 673$ billion in 2015. Affiliated common stock investments grew by $6 \%$ YOY and constituted $55 \%$ of total reported common stock holdings; unaffiliated common stock investments were $40 \%$ of total reported common stock, or $\$ 292$ billion, compared to $\$ 272$ billion at year-end 2015 ( $7.4 \%$ increase). The increase in U.S. insurer unaffiliated common stock exposure YOY is in part attributable to the $11.9 \%$ increase in the Standard \& Poor's (S\&P) 500 Index for the same time period.
Similar to year-end 2015, at year-end 2016, the vast majority of common stock holdings, or $73 \%$ of the total, was reported by P/C companies, with life companies accounting for $22 \%$.
Table 3: Common Stock Breakout (\$mil., BACV), Year-End 2016

| Investment Type | P/C | Life | Health | Frat ernal | Title | Total | Percent of Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Affiliated | 254,051 | 125,543 | 16,605 | 356 | 1,029 | 397,583 | 54.7\% |
| Unaffiliated | 253,853 | 26,913 | 7,684 | 2,783 | 1,028 | 292,261 | 40.2\% |
| Mutual Funds | 19,979 | 5,731 | 10,689 | 829 | 44 | 37,272 | 5.1\% |
| Industry Total | 527,882 | 158,187 | 34,978 | 3,968 | 2,101 | 727,116 | 100\% |
| (\%) | 72.6\% | 21.8\% | 4.8\% | 0.5\% | 0.3\% | 100.0\% |  |

## Mortgages

Mortgage loans on real estate accounted for $7.6 \%$ of insurer's cash and invested assets at yearend 2016, an increase from $7.3 \%$ in the prior year, and a marked growth from $6.6 \%$ in 2012. The vast majority of these loans, as in prior years, were in first liens. In 2016, first lien mortgages totaled $\$ 456$ billion, a $\$ 36$ billion (or close to $9 \%$ ) increase over 2015, and a 32\% growth over $\$ 345$ billion in 2012. Mortgages other than first lien were slightly over $\$ 8$ billion in 2016, having increased by about $\$ 1$ billion (or 14\%) from the prior year. The majority of mortgage loans, or $94 \%$ of the industry's total mortgage loan exposure, was held by life companies in 2016.

## Schedule BA

Schedule BA assets, which consist of both affiliated and unaffiliated investments, constituted about 5\% of insurers' total cash and invested assets at year-end 2016. Insurers reported an
aggregate of $\$ 324$ billion in total Schedule BA assets, of which $\$ 138$ billion, or $42 \%$, were in unaffiliated investments. In 2015, unaffiliated Schedule BA investments were $\$ 133$ billion, or $43.5 \%$ of total Schedule BA assets (\$306 billion). From year-end 2012 to year-end 2016, Schedule BA assets increased by an aggregate $\$ 60$ billion (or $23 \%$ ), with $\$ 18$ billion of that growth in unaffiliated investments. For more detail on the U.S. insurance industry's Schedule BA investments, please refer to the NAIC Capital Markets Special Report published July 2017, titled "U.S. Insurer Exposure to Schedule BA (Other Long-Term Invested Assets): Focus on Private Equity, Hedge Funds and Real Estate."

## Other Invested Assets

The industry's remaining invested assets categories, which made up close to $5 \%$ of total cash and invested assets in 2016 (for total of $\$ 295$ billion), included contract loans, derivatives, real estate, preferred stock, other receivables and reinvested cash collateral from securities lending transactions. In terms of growth over the past five years (2012-2016), the BACV of derivatives exposure has increased by $\$ 21$ billion (or 49\%); from 2015 to 2016, derivatives exposure increased to about $\$ 62.5$ billion from $\$ 54.4$ billion (in terms of BACV), or about $15 \%$.
The industry's cash and short-term investments have been about 4\% of total cash and invested assets annually in the past five years. At year-end 2016, the U.S. insurance industry reported a total $\$ 242$ billion in cash and short-term investments, or $\$ 12$ billion more than the prior year.

## Cash and Invested Assets by Insurer Asset Size

About $73 \%$ of the industry's total cash and invested assets in 2016 was held by the largest U.S. insurers (those with assets under management greater than $\$ 10$ billion). Total exposure for this group, which included 116 companies in 2016, totaled $\$ 4.47$ trillion. In 2015, this group held a total of $\$ 4.2$ trillion, or $72 \%$ of total cash and invested assets.
Companies that had between $\$ 5$ billion and $\$ 10$ billion assets under management (63 companies) accounted for $\$ 444$ billion (or $7 \%$ ) of total cash and invested assets at year-end 2016. This is an increase from $\$ 431$ billion in 2015, but unchanged as a percentage of total cash and invested assets.
Table 4: Insurance Industry Asset Distribution by Insurer Size (\$mil. BACV), Year-End 2016

| Asset Class | Greater than $\$ 10 \mathrm{~B}$ | $\begin{gathered} \text { Between \$5B } \\ \text { and \$10B } \end{gathered}$ | Between \$1B and \$2.5B | Between <br> $\$ 2.5 B$ and \$5B | Between $\$ 500 \mathrm{~mm}$ and \$1B | Less than <br> 250 mm | Between $\$ 250 \mathrm{~mm}$ and $\$ 500 \mathrm{~mm}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Companies (CoCodes) | 116 | 63 | 254 | 105 | 248 | 3290 | 376 | 4452 |
| Bonds | 2,924,374 | 294,725 | 276,515 | 263,911 | 118,078 | 117,976 | 92,829 | 4,088,409 |
| Common 5tock | 487, 的 | 74,706 | 59,110 | 44, 723 | 25,263 | 15,516 | 19,870 | 727,248 |
| Mortgages | 426, 052 | 17,666 | 7,699 | 9,238 | 1,544 | 746 | 1,398 | 464,544 |
| 5chedule BA (Other Long-term Assets) | 268,033 | 20,033 | 14,540 | 12,461 | 4,805 | 1,924 | 2,079 | 323,876 |
| Cash \& 5hort-terml investments | 119,194 | 16,0155 | 25,303 | 15,599 | 18,956 | 31,661 | 15,130 | 242,098 |
| Contract Loans | 111,718 | 8,499 | 2,920 | 4,719 | 779 | 438 | 760 | 129,834 |
| Derivatives | 59,000 | 2,580 | 295 | 625 | 79 | 1 | 4 | 62,584 |
| Real Estate | 28,495 | 3,451 | 3,711 | 2,461 | 2,146 | 1,376 | 1,112 | 42,752 |
| Preferred 5tock | 13,164 | 2,660 | 2,359 | 1,672 | 775 | 596 | 700 | 21,926 |
| Other Reteivables | 16,164 | 2,602 | 554 | 312 | 526 | 430 | 259 | 20,847 |
| 5eturities Lending | 12,777 | 1,158 | 1,191 | 1,462 | 376 | 136 | 226 | 17,327 |
| Asset Size Total | 4,466,971 | 444,338 | 394,198 | 357,243 | 173,328 | 171,001 | 134,366 | 6,141,444 |
| Asset Size Total/Total (\%) | 73\% | 7\% | 6\% | 6\% | 3\% | 3\% | 2\% | 100\% |

## Bond Breakdown by Sector and Insurer Type

The U.S. insurance industry reported nearly $\$ 4.09$ trillion in bonds at year-end 2016, an increase from the $\$ 3.9$ trillion reported in 2015 and $\$ 3.63$ trillion in 2012. Corporate bonds continued to be more than half of the U.S. insurance industry's bond investments at $\$ 2.2$ trillion
(see Table 5 and 6), with the second largest bond exposure in municipal bonds at $\$ 562$ billion ( $14 \%$ of total bonds). And consistent with year-end 2015, life companies accounted for about $70 \%$ of the industry's total bond exposure, followed by P/C companies at about $24 \%$ (also relatively consistent with year-end 2015 in percentage terms).
Table 5: Bond Breakdown Across Insurer Types (\$mil. BACV), Year-End 2016

| Bond Type | Life | P/C | Health | Fraternal | Title | Bond Total | Bond Total/ Total (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate Bonds | 1,761,174 | 347,900 | 39,822 | 69,949 | 2,909 | 2,221,754 | 54\% |
| Municipal Bonds | 183,490 | 344,315 | 24,677 | 8,268 | 1,389 | 562,138 | 14\% |
| Agency-backed RMBS | 183,667 | 81,367 | 13,498 | 9,683 | 272 | 288,486 | 7\% |
| $A B S$ and Other Structured Securities | 236,207 | 54,932 | 5,305 | 3,307 | 35 | 299,786 | 7\% |
| US Government | 160,337 | 87,616 | 15,876 | 2,912 | 302 | 267,043 | 7\% |
| Private-label CMBS | 126,344 | 32,641 | 3,237 | 3,771 |  | 165,994 | 4\% |
| Private-label RMBS | 85,638 | 18,655 | 780 | 1,192 |  | 106,264 | 3\% |
| Foreign Government | 87,242 | 17,550 | 424 | 1,017 | 271 | 106,504 | 3\% |
| Agency-backed CMBS | 31,182 | 11,434 | 484 | 2,592 | 1 | 45,693 | 1\% |
| Hybrid Securities | 17,069 | 3,154 | 312 | 331 | 36 | 20,901 | 1\% |
| ETF-SVO Identified Funds * | 2,131 | 856 | 516 |  |  | 3,503 | 0\% |
| Bond Mutual Funds-SVO Identified Funds* | 52 | 82 | 190 |  |  | 325 | 0\% |
| Industry Total | 2,874,532 | 1,000,503 | 105,119 | 103,022 | 5,215 | 4,088,391 | 100\% |
| Industry Total/Total (\%) | 70\% | 24\% | 3\% | 3\% | 0\% | 100\% |  |

RMBS - residential mortgage-backed securities; CMBS - commercial mortgage-backed securities; ABS - asset-backed securities.
*New bond categories added at the beginning of the 2016 reporting year
Table 6: Bond Breakdown Across Insurer Types (\$mil. BACV), Year-End 2015

| Band Type | Life | P/C | Health | Fraternal | Title | Total | Bond Total/ Total (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate Bonds | 1,680,974 | 332,132 | 34,715 | 66,629 | 2,843 | 2,117,293 | 54\% |
| Municipal Bonds | 176,753 | 342,927 | 20,016 | 8,325 | 1,335 | 549,357 | 14\% |
| Agency-backed RIVIBS | 183,925 | 75,668 | 11,761 | 5,276 | 235 | 280,866 | 7\% |
| ABS and Other Structured Securities | 215,876 | 51,413 | 4,372 | 2,812 | 34 | 274,508 | 7\% |
| US Government | 151,576 | 84,141 | 12,676 | 3,040 | 267 | 251,699 | 6\% |
| Private-label CIMBS | 125,822 | 33,170 | 3,894 | 3,244 | 1 | 166,131 | 4\% |
| Private-label RIVBS | 87,011 | 18,698 | 802 | 1,205 | 2 | 107,718 | 3\% |
| Foreign Government | 77,318 | 16,711 | 373 | 1,131 | 243 | 95,776 | $2 \%$ |
| Agency-backed CIMBS | 25,256 | 10,018 | 366 | 2,514 | 2 | 38,157 | 1\% |
| Hybrid Securities | 19,423 | 2,652 | 329 | 339 | 22 | 22,764 | 1\% |
| Industry Total | 2,743,933 | 967,532 | 89,305 | 98,515 | 4,984 | 3,904,269 | 100\% |
| Industry Total/Tot al (\%) | 70\% | 25\% | 2\% | 3\% | 0\% | 100\% |  |

The largest concentration within the various bond categories in 2016 for all five major insurer types was in corporate bonds at $54 \%$ of total bond exposure. Life insurers had the largest exposure to corporate bonds at about $\$ 1.7$ trillion ( $79 \%$ of total bonds) at year-end 2016, which was relatively consistent in terms of BACV and percentage with year-end 2015. At year-end 2016, corporate bonds accounted for the largest bond exposure for P/C companies-rather than municipal bonds as in prior years-at almost $\$ 348$ billion, or $34.8 \%$ of total P/C bond exposure. Note, however, that municipal bond exposure for P/C companies in 2016 was not significantly less than exposure to corporate bonds, at $\$ 344$ billion (or approximately $34 \%$ of total P/C bonds) as shown in Table 5. The small difference is likely due to the attractive yields and liquidity offered by corporate bonds compared to municipal bonds while interest rates remain
low. In comparison, corporate and municipal bond exposure for P/C companies at year-end 2015 was $\$ 332$ billion and $\$ 343$ billion, respectively.
For the 2016 reporting year, two new categories-Exchange Traded Funds (ETF) and Bond Mutual Funds, as identified by the Securities Valuation Office (SVO)-were added to Schedule D Part 1 to separately list these investments according to adopted guidance added to the Purposes and Procedures Manual of the NAIC Investment Analysis Office (P\&P Manual), allowing for clearer identification of these investments after recent changes to Statement of Statutory Accounting Principles (SSAP) No. 26R-Bonds revised the measurement method for these securities.

## Changes in Insurer Bond Exposures

YOY (2015 to 2016), there was a net increase in bond exposure of $\$ 184$ billion as shown in Table 7. Within the different bond types, the largest YOY increase (in terms of percentage) was in agency commercial mortgage-backed securities (CMBS) and foreign government bonds. In the current interest rate environment, some foreign government bonds (but certainly not all as German bunds and Japanese government bonds, for example, currently have yields close to $0 \%$ ) offer higher yields than U.S. government bonds. YOY there was also a small reduction in private label residential mortgage-backed securities (RMBS) and hybrid securities. Note that new issuance and inventory of private label RMBS have been low since the 2008 financial crisis.
Table 7: Changes in Bond Holdings Year-End 2015 - Year-End 2016 (\$mil. BACV)

| Band Type | Year-end 2016 | Year-end 2015 | 2015-2016 Change (\$) | 2015-2016 Change \%) |
| :---: | :---: | :---: | :---: | :---: |
| Corporate Bonds | 2,221,754 | 2,117,293 | 104,462 | 5\% |
| ABS and Other Structured Securities | 299,786 | 274,508 | 25,278 | 9\% |
| US Government | 267,043 | 251,699 | 15,343 | 6\% |
| Municipal Bonds | 562,138 | 549,357 | 12,781 | 2\% |
| Foreign Government | 106,504 | 95,776 | 10,728 | 11\% |
| Agency-backed RMBS | 288,486 | 280,866 | 7,621 | 3\% |
| Agency-backed CMBS | 45,693 | 38,157 | 7,536 | 20\% |
| Private-l abel CMBS | 165,994 | 166,131 | -137 | 0\% |
| Private-l abel RMBS | 106,264 | 107,718 | -1,454 | -1\% |
| Hybrid Securities | 20,901 | 22,764 | -1,863 | -8\% |
| ETF-SVO Identified Funds | 3,503 |  | 3,503 |  |
| Bond Mutual Funds-SVO Identified Funds | 325 |  | 325 |  |
| Totals: | 4,088,391 | 3,904,269 | 184,122 | 5\% |

## Bond Credit Quality

The credit quality of insurer bond holdings for year-end 2016, consistent with prior years, remained predominantly in high-quality bonds, with more than $94 \%$ of bonds carrying NAIC 1 and NAIC 2 (or investment grade) designations. As shown in Graph 1, bonds with an NAIC 1 designation (highest credit quality) composed $66.6 \%$ of total bonds as of year-end 2016 (relatively consistent with the prior year), while NAIC 2 designated bonds comprised $27.5 \%$ of total bonds (also relatively consistent with the prior year). Bonds carrying NAIC 3 designations remained at $3.5 \%$ at year-end 2016, unchanged from 2015, while NAIC 4 designated bonds grew slightly to $1.7 \%$ of total bonds, up from $1.5 \%$ in 2015 .

Graph 1: Year-End 2016 Bond Designations


For life companies, about 6\% of their bonds were considered below investment grade based on NAIC designations, which was consistent with year-end 2015. However, about 5\% of P/C companies' bonds were below investment grade (based on NAIC designations) as of year-end 2016 compared to $4.6 \%$ at year-end 2015.

## Corporate Bond Sectors

Bonds issued by financial services companies, including banks and insurance companies, continued to comprise the largest portion of the industry's corporate bond exposure in 2016 (in the low $20 \%$ range, similar to prior years). Consumer non-cyclical bonds remained the second largest sector for the industry, with other top sectors including utilities, energy and industrial.

## Conclusion

The U.S. insurance industry's total cash and invested assets increased by nearly $\$ 324$ billion from year-end 2015 to year-end 2016, and life companies continue to account for the largest proportion of the industry's investments (at 70\% of total cash and invested assets) among the five major industry types.
The industry's allocations of cash and invested assets-in percentage terms-at year-end 2016, however, were essentially unchanged from year-end 2015 and since year-end 2012. Bonds still accounted for about $67 \%$ of the industry's total cash and invested assets, at approximately $\$ 4$ trillion; corporate bonds were the largest bond category, followed by municipal bonds. Despite large YOY increases in BACV of common stock, mortgages, Schedule BA investments and cash, proportionally (i.e., as a percentage of total cash and invested assets) these investments were relatively consistent with year-end 2015.
Lastly, the credit quality of the industry's bond holdings at year-end 2016 was consistent with that of prior years, with the overwhelming majority in investment grade categories. More than $94 \%$ of bonds carried NAIC 1 or NAIC 2 designations.
The NAIC Capital Markets Bureau will continue to monitor trends within the U.S. insurance industry's various invested asset types and report as deemed appropriate.

| August 18, 2017 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Major Insurer Share Prices |  | Close | Change \% |  |  | Prior |  |  |
|  |  | Week | QTD | YTD | Week | Quarter | Year |
| Life | Aflac |  | \$79.84 | (1.1) | 2.8 | 14.7 | \$80.75 | \$77.68 | \$69.60 |
|  | Ameriprise | 138.80 | (3.2) | 9.0 | 25.1 | 143.36 | 127.29 | 110.94 |
|  | Genworth | 3.45 | (0.9) | (8.5) | (9.4) | 3.48 | 3.77 | 3.81 |
|  | Lincoln | 68.02 | (4.7) | 0.7 | 2.6 | 71.40 | 67.58 | 66.27 |
|  | MetLife | 47.02 | 0.4 | (14.4) | (12.7) | 46.81 | 54.94 | 53.89 |
|  | Principal | 62.93 | (2.2) | (1.8) | 8.8 | 64.32 | 64.07 | 57.86 |
|  | Prudential | 101.95 | (3.5) | (5.7) | (2.0) | 105.69 | 108.14 | 104.06 |
|  | UNUM | 47.93 | (3.6) | 2.8 | 9.1 | 49.70 | 46.63 | 43.93 |
| PC | Axis Capital | 63.48 | (0.6) | (1.8) | (2.7) | 63.89 | 64.66 | 65.27 |
|  | All state | 92.92 | (1.1) | 5.1 | 25.4 | 93.95 | 88.44 | 74.12 |
|  | Arch Caprital | 96.17 | 0.0 | 3.1 | 11.4 | 96.14 | 93.29 | 86.29 |
|  | Cincinnati | 77.34 | (2.1) | 6.7 | 2.1 | 79.00 | 72.45 | 75.75 |
|  | Chubb | 145.44 | (0.7) | 0.0 | 10.1 | 146.44 | 145.38 | 132.12 |
|  | Everest Re | 263.02 | (0.8) | 3.3 | 21.5 | 265.07 | 254.59 | 216.40 |
|  | Progressive | 48.63 | 3.0 | 10.3 | 37.0 | 47.23 | 44.09 | 35.50 |
|  | Travelers | 127.89 | (0.2) | 1.1 | 4.5 | 128.18 | 126.53 | 122.42 |
|  | WR Berkley | 67.31 | (1.6) | (2.7) | 1.2 | 68.38 | 69.17 | 66.51 |
|  | XL | 43.79 | (1.4) | (0.0) | 17.5 | 44.41 | 43.80 | 37.26 |
| Other | AON | \$136.52 | (1.4) | 2.7 | 22.4 | \$138.39 | \$132.95 | \$111.53 |
|  | AIG | 61.34 | (2.1) | (1.9) | (6.1) | 62.65 | 62.52 | 65.31 |
|  | Assurant | 100.01 | (2.5) | (3.5) | 7.7 | 102.54 | 103.69 | 92.86 |
|  | Fidelity National | 47.35 | 0.6 | 5.6 | 39.4 | 47.06 | 44.83 | 33.96 |
|  | Hartford | 55.56 | (0.9) | 5.7 | 16.6 | 56.04 | 52.57 | 47.65 |
|  | Marsh | 77.36 | 0.4 | (0.8) | 14.5 | 77.02 | 77.96 | 67.59 |
| Health | Aetna | \$154.45 | 1.5 | 1.7 | 24.5 | \$152.15 | \$151.83 | \$124.01 |
|  | Cigna | 177.03 | 1.5 | 5.8 | 32.7 | 174.38 | 167.39 | 133.39 |
|  | Humana | 247.28 | (1.1) | 2.8 | 21.2 | 249.99 | 240.62 | 204.03 |
|  | United | 190.82 | (1.1) | 2.9 | 19.2 | 193.02 | 185.42 | 160.04 |
| Monoline | Assured | \$42.67 | (2.1) | 2.2 | 13.0 | \$43.57 | \$41.74 | \$37.77 |
|  | MBIA | 10.14 | (1.3) | 7.5 | (5.2) | 10.27 | 9.43 | 10.70 |
|  | MGIC | 11.32 | (0.1) | 1.1 | 11.1 | 11.33 | 11.20 | 10.19 |
|  | Radian | 16.72 | (2.2) | 2.3 | (7.0) | 17.09 | 16.35 | 17.98 |
|  | XLCapital | 43.79 | (1.4) | (0.0) | 17.5 | 44.41 | 43.80 | 37.26 |


| August 18,201 7 <br> Major Market Variables |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Change \% |  |  | Prior |  |  |
|  | Close | Week | OTD | YTD | Week | Ouarter | Year |
| DowJones Ind | $\begin{array}{r} 21,674.51 \\ 2,425.55 \end{array}$ | (0.8) | 1.5 | 9.7 | 21,858.32 | 21,349.63 | 19,762.60 |
| S\&P 500 |  | (0.6) | 0.1 | 8.3 | 2,441.32 | 2,423.41 | 2,238.83 |
| S\&P Firancial | 407.63 | (0.5) | (0.5) | 5.5 | 409.51 | 409.59 | 386.53 |
| S\&P Insurance | 383.02 | (1.1) | 0.4 | 8.4 | 387.14 | 381.48 | 353.26 |
| US Dollar \$ |  | Change \% |  |  | Prior |  |  |
| / Euro | \$1.18 | (0.5) | 3.0 | 11.8 | \$1.18 | \$1.14 | \$1.05 |
| / Crude Oil bbl | 48.64 | (0.4) | 5.2 | (9.6) | 48.82 | 46.22 | 53.81 |
| / Gold oz | 1,285.70 | (0.4) | 3.5 | 11.7 | 1,291.00 | 1,241.80 | 1,150.90 |
| Treasury Ylds \% | \% | Change bp |  |  | \% | \% | \% |
| 1 Year | $\begin{aligned} & 1.23 \\ & 2.19 \end{aligned}$ | 0.03 | 0.00 | 0.42 | 1.20 | 1.23 | 0.82 |
| 10 Year |  | 0.00 | $\begin{array}{r} (0.11) \\ (0.05) \end{array}$ | (0.25) | 2.19 | 2.30 | 2.45 |
| 30 Year | 2.78 | (0.01) |  | (0.29) | 2.79 | 2.83 | 3.07 |
| Corp Credit Spreads -bp CDX.IG | 62.35 | Change \% |  |  | Prior |  |  |
|  |  | 1.4 | 3.0 | (7.7) | 61.46 | 60.52 | 67.59 |


| August 18, 2017 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Major Insurer Bond Yields |  |  |  |  | Weekly Change |  |  |  |  | $\begin{gathered} \text { YTD } \\ \text { Spread } \\ \hline \end{gathered}$ |
|  |  |  |  |  | Price |  |  | Spread over UST |  |  |
| Company |  |  | Coupon |  | Current | Change | Yield | B.P. | Change | Change |
| Life | Ameriprise | AMP | 3.700\% | 10/15/2024 | \$105.79 | (\$0.03) | 2.80\% | 76 | (0) | (28) |
|  | Lincoln National | LNC | 3.350\% | 3/9/2025 | \$101.27 | (\$0.33) | 3.16\% | 108 | 2 | (4) |
|  | MassMutual | MASSMU | 3.600\% | 4/9/2024 | \$105.24 | \$0.04 | 2.73\% | 71 | 0 | (22) |
|  | MetLife | MET | 4.050\% | 3/1/2045 | \$101.66 | \$0.58 | 3.95\% | 124 | (3) | (3) |
|  | New YorkLife | NYL | 2.350\% | 7/14/2026 | \$96.86 | \$0.12 | 2.75\% | 61 | (1) | (14) |
|  | Pacific Life | PACLIF | 5.125\% | 1/30/2043 | \$112.42 | (\$1.93) | 4.32\% | 165 | 12 | (25) |
|  | Principal | PFG | 6.050\% | 10/15/2036 | \$129.01 | \$1.19 | 3.89\% | 138 | (9) | (31) |
|  | Prudertial | PRU | 4.600\% | 5/15/2044 | \$110.51 | \$0.18 | 3.96\% | 126 | 1 | (7) |
|  | Allstate | ALL | 4.500\% | 6/15/2043 | \$111.61 | \$0.56 | 3.79\% | 111 | (2) | (9) |
|  | Berkshire Hathaway | BRK | 4.300\% | 5/15/2043 | \$109.04 | \$0.35 | 3.75\% | 107 | (2) | (3) |
|  | Travelers | TRV | 4.600\% | 8/1/2043 | \$114.29 | \$0.70 | 3.74\% | 106 | (2) | 1 |
|  | XL Group | XI | 6.250\% | 5/15/2027 | \$121.52 | (\$0.10) | 3.61\% | 140 | 0 | (29) |
| Other | AON | AON | 4.250\% | 12/12/2042 | \$100.27 | (\$0.03) | 4.23\% | 155 | 2 | (18) |
|  | AIG | AIG | 6.820\% | 11/15/2037 | \$130.97 | (\$1.13) | 4.48\% | 194 | 6 | (17) |
|  | Hartford | HIG | 4.300\% | 4/15/2043 | \$104.74 | \$0.13 | 4.00\% | 134 | 4 | (51) |
|  | Nationxide | NATMUT | 5.300\% | 11/18/2044 | \$115.95 | \$0.56 | 4.30\% | 157 | (2) | (43) |
| Health | Aetna | AET | 6.750\% | 12/15/2037 | \$139.94 | \$0.10 | 3.89\% | 137 | (0) | (26) |
|  | CIGNA | CI | 6.150\% | 11/15/2036 | \$127.82 | (\$0.07) | 4.05\% | 155 | (1) | (52) |
|  | Urited Healthcare | UNH | 4.750\% | 7/15/2045 | \$115.66 | \$0.20 | 3.83\% | 110 | 0 | (3) |

Questions and comments are always welcome. Please contact the Capital Markets Bureau at CapitalMarkets@naic.org.
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