



## **Investment Performance Analysis** For the period ending June 30, 2016

August 23, 2016

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# Total Fund Performance Summary - (Gross of Fees)

|  |                      |                   |                          |      |              |      |               | Endir | ig June        | 30, 20 | 016            |      |                        |      |                       |      | Incep         | tion   |
|--|----------------------|-------------------|--------------------------|------|--------------|------|---------------|-------|----------------|--------|----------------|------|------------------------|------|-----------------------|------|---------------|--------|
|  | Market Value<br>(\$) | % of<br>Portfolio | <sup>3 Mo</sup><br>(%) F | Rank | YTD<br>(%) F | Rank | 1 Yr<br>(%) F | Rank  | 2 Yrs<br>(%) F | Rank   | 3 Yrs<br>(%) F | Rank | <sup>5 Yrs</sup> (%) F | Rank | <sup>10 Yrs</sup> (%) | lank | Return<br>(%) | Since  |
| Health Care Trust                                | 77,527,992           | 100.0             | 2.7                      | 7    | 4.3          | 19   | 0.6           | 85    | -0.5           | 94     | 4.4            | 45   |                        |      |                       |      | 4.5           | Jul-12 |
| Policy Benchmark                                 |                      |                   | 2.7                      | 8    | 4.6          | 14   | 1.3           | 73    | 0.1            | 91     | 4.6            | 40   |                        |      |                       |      | 4.8           | Jul-12 |
| Allocation Index                                 |                      |                   | 2.4                      | 14   | 4.0          | 29   | 2.3           | 59    | 1.2            | 76     | 5.5            | 27   |                        |      |                       |      | 5.4           | Jul-12 |
| InvestorForce Health & Welfare - Gross<br>Median |                      |                   | 1.8                      |      | 3.5          |      | 2.7           |       | 2.3            |        | 4.1            |      | 4.2                    |      | 4.8                   |      | 4.1           | Jul-12 |

For the three-year period ending June 30, 2016, the Health Care Trust returned 4.4%, trailing the policy benchmark by 0.2% and ranking in the 45th percentile of the InvestorForce Health & Welfare Funds Universe.

For the fiscal year ending June 30, 2016, the Health Care Trust produced a net investment gain of \$0.5 million, which includes a net investment gain of \$2.0 million in the second calendar quarter. Assets increased from \$55.6 million one year ago to \$77.5 million on June 30, 2016, with \$21.5 million in net contributions during the year.

For the fiscal year ending June 30, 2016, the Fund returned 0.6%, trailing the policy benchmark by 0.7% and ranking in the 85th percentile of its peers. The Fund's volatility ranks in the bottom quartile of its peers, resulting in a Sharpe Ratio, or risk-adjusted performance, that also ranks in the bottom quartile of its peer group.

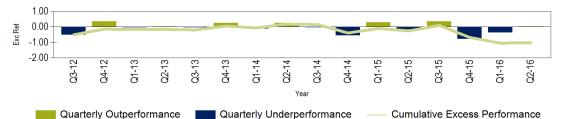
Please see the appendix for additional performance disclosures.

*Note: The InvestorForce Health & Welfare Funds Universe included 179 observations as of June 30, 2016, with \$16.2 billion in assets.* 



PC, LLC

**Quarterly and Cumulative Excess Performance** 

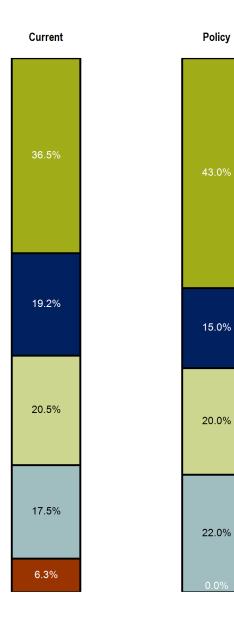


#### Since Inception Ending Jun 30, 2016

|  | Anlzd<br>Return | Rank | Anlzd<br>Standard<br>Deviation | Rank | Sharpe<br>Ratio | Rank | Sortino<br>Ratio | Rank |
|--|-----------------|------|--------------------------------|------|-----------------|------|------------------|------|
| Health Care Trust                                | 4.5%            | 43   | 6.3%                           | 85   | 0.7             | 93   | 1.3              | 92   |
| Policy Benchmark                                 | 4.8%            | 39   | 6.8%                           | 94   | 0.7             | 93   | 1.2              | 93   |
| Allocation Index                                 | 5.4%            | 31   | 5.6%                           | 78   | 1.0             | 83   | 1.7              | 78   |
| InvestorForce Health & Welfare -<br>Gross Median | 4.1%            |      | 3.0%                           |      | 1.3             |      | 2.3              |      |

|  |                 | 1 Ye | ear Ending Jur                 | ie 30, 2016 |                 |      |                  |      |
|--|-----------------|------|--------------------------------|-------------|-----------------|------|------------------|------|
|  | Anlzd<br>Return | Rank | Anlzd<br>Standard<br>Deviation | Rank        | Sharpe<br>Ratio | Rank | Sortino<br>Ratio | Rank |
| Health Care Trust                                | 0.6%            | 85   | 8.5%                           | 88          | 0.0             | 85   | 0.1              | 86   |
| Policy Benchmark                                 | 1.3%            | 73   | 10.3%                          | 99          | 0.1             | 81   | 0.2              | 81   |
| Allocation Index                                 | 2.3%            | 59   | 7.3%                           | 79          | 0.3             | 69   | 0.6              | 72   |
| InvestorForce Health & Welfare -<br>Gross Median | 2.7%            |      | 3.9%                           |             | 0.6             |      | 1.3              |      |

# Total Fund Asset Allocation vs Policy Targets

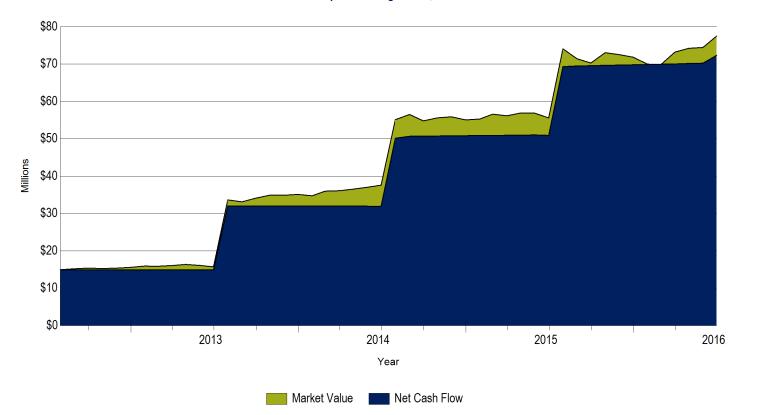


| Asset Allocation vs. Target |                    |                       |        |                 |               |                      |  |  |
|-----------------------------|--------------------|-----------------------|--------|-----------------|---------------|----------------------|--|--|
|                             | Current<br>Balance | Current<br>Allocation | Policy | Difference<br>* | Policy Range  | Within IPS<br>Range? |  |  |
| Equities                    | \$28,294,994       | 36.5%                 | 43.0%  | -6.5%           | 25.0% - 50.0% | Yes                  |  |  |
| Fixed Income                | \$14,871,747       | 19.2%                 | 15.0%  | 4.2%            | 5.0% - 25.0%  | Yes                  |  |  |
| Global Asset Allocation     | \$15,897,493       | 20.5%                 | 20.0%  | 0.5%            | 0.0% - 25.0%  | Yes                  |  |  |
| Real Assets                 | \$13,582,698       | 17.5%                 | 22.0%  | -4.5%           | 12.0% - 25.0% | Yes                  |  |  |
| Cash                        | \$4,881,059        | 6.3%                  | 0.0%   | 6.3%            | 0.0% - 5.0%   | No                   |  |  |
| Total                       | \$77,527,992       | 100.0%                | 100.0% |                 |               |                      |  |  |

\*Difference between Policy and Current Allocation



# Health Care Trust Asset Growth Summary



Since Inception Ending Jun 30, 2016

|                        | Last Three<br>Months | Year-To-Date | One Year     | Three Years  | Inception<br>7/1/12 |
|------------------------|----------------------|--------------|--------------|--------------|---------------------|
| Beginning Market Value | \$73,225,247         | \$71,858,339 | \$55,595,234 | \$15,724,043 | \$0                 |
| Net Cash Flow          | \$2,323,120          | \$2,550,821  | \$21,458,181 | \$57,499,366 | \$72,371,526        |
| Net Investment Change  | \$1,979,624          | \$3,118,832  | \$474,578    | \$4,304,584  | \$5,156,466         |
| Ending Market Value    | \$77,527,992         | \$77,527,992 | \$77,527,992 | \$77,527,992 | \$77,527,992        |



# Health Care Trust Asset Growth Summary Detail

| Cash Flow Summary<br>3 Months Ending Jun 30, 2016 |                           |              |               |               |                          |                        |  |  |  |
|---|---------------------------|--------------|---------------|---------------|--------------------------|------------------------|--|--|--|
|   | Beginning<br>Market Value | Withdrawals  | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |  |  |  |
| Cash  | \$4,016,315               | -\$1,545,599 | \$2,410,344   | \$864,745     | \$0                      | \$4,881,059            |  |  |  |
| Credit Suisse                                     | \$4,843,179               | -\$4,929     | \$0           | -\$4,929      | \$406,077                | \$5,244,328            |  |  |  |
| GMO   | \$3,090,476               | -\$6,616     | \$0           | -\$6,616      | \$33,149                 | \$3,117,009            |  |  |  |
| PIMCO   | \$4,996,628               | -\$12,095    | \$0           | -\$12,095     | \$239,383                | \$5,223,916            |  |  |  |
| Standard Life                                     | \$6,105,229               | \$0          | \$1,500,000   | \$1,500,000   | -\$48,660                | \$7,556,569            |  |  |  |
| Vanguard REIT Index Fund                          | \$6,665,958               | -\$1,690     | \$0           | -\$1,690      | \$454,728                | \$7,118,996            |  |  |  |
| Vanguard Total Bond Market Index Fund             | \$14,528,251              | -\$2,569     | \$0           | -\$2,569      | \$346,065                | \$14,871,747           |  |  |  |
| Vanguard Total World Stock Index Fund             | \$27,861,880              | -\$11,325    | \$0           | -\$11,325     | \$444,439                | \$28,294,994           |  |  |  |
| Wellington  | \$1,117,332               | -\$2,400     | \$0           | -\$2,400      | \$104,443                | \$1,219,374            |  |  |  |
| Total   | \$73,225,247              | -\$1,587,224 | \$3,910,344   | \$2,323,120   | \$1,979,624              | \$77,527,992           |  |  |  |

#### Cash Flow Summary YTD Ending Jun 30, 2016

|                                       | Beginning<br>Market Value | Withdrawals  | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |
|---------------------------------------|---------------------------|--------------|---------------|---------------|--------------------------|------------------------|
| Cash                                  | \$5,250,807               | -\$3,063,760 | \$2,694,012   | -\$369,748    | \$0                      | \$4,881,059            |
| Credit Suisse                         | \$3,316,168               | -\$8,661     | \$1,500,000   | \$1,491,339   | \$436,821                | \$5,244,328            |
| GMO                                   | \$3,085,422               | -\$13,013    | \$0           | -\$13,013     | \$44,600                 | \$3,117,009            |
| PIMCO                                 | \$4,733,491               | -\$23,338    | \$0           | -\$23,338     | \$513,763                | \$5,223,916            |
| Standard Life                         | \$6,306,266               | \$0          | \$1,500,000   | \$1,500,000   | -\$249,698               | \$7,556,569            |
| Vanguard REIT Index Fund              | \$6,272,388               | -\$2,749     | \$0           | -\$2,749      | \$849,357                | \$7,118,996            |
| Vanguard Total Bond Market Index Fund | \$14,092,728              | -\$4,761     | \$0           | -\$4,761      | \$783,781                | \$14,871,747           |
| Vanguard Total World Stock Index Fund | \$27,736,630              | -\$21,984    | \$0           | -\$21,984     | \$580,348                | \$28,294,994           |
| Wellington                            | \$1,064,439               | -\$4,926     | \$0           | -\$4,926      | \$159,861                | \$1,219,374            |
| Total                                 | \$71,858,339              | -\$3,143,191 | \$5,694,012   | \$2,550,821   | \$3,118,832              | \$77,527,992           |



# Health Care Trust Asset Growth Summary Detail

|                                       | Cash                      | n Flow Summary |               |               |                          |                        |  |  |
|---------------------------------------|---------------------------|----------------|---------------|---------------|--------------------------|------------------------|--|--|
| 1 Year Ending Jun 30, 2016            |                           |                |               |               |                          |                        |  |  |
|                                       | Beginning<br>Market Value | Withdrawals    | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |  |  |
| Cash                                  | \$1,563,765               | -\$18,489,623  | \$21,806,917  | \$3,317,294   | \$0                      | \$4,881,059            |  |  |
| Credit Suisse                         | \$4,083,597               | -\$15,904      | \$1,500,000   | \$1,484,096   | -\$323,365               | \$5,244,328            |  |  |
| GMO                                   | \$2,957,438               | -\$26,284      | \$300,000     | \$273,716     | -\$114,145               | \$3,117,009            |  |  |
| PIMCO                                 | \$3,331,646               | -\$46,439      | \$2,000,000   | \$1,953,561   | -\$61,291                | \$5,223,916            |  |  |
| Standard Life                         | \$4,304,644               | \$0            | \$3,500,000   | \$3,500,000   | -\$248,075               | \$7,556,569            |  |  |
| Vanguard REIT Index Fund              | \$5,744,217               | -\$5,770       | \$0           | -\$5,770      | \$1,380,548              | \$7,118,996            |  |  |
| Vanguard Total Bond Market Index Fund | \$7,990,445               | -\$9,707       | \$6,000,000   | \$5,990,293   | \$891,010                | \$14,871,747           |  |  |
| Vanguard Total World Stock Index Fund | \$24,298,991              | -\$44,368      | \$5,000,000   | \$4,955,632   | -\$959,630               | \$28,294,994           |  |  |
| Wellington                            | \$1,320,490               | -\$10,642      | \$0           | -\$10,642     | -\$90,474                | \$1,219,374            |  |  |
| Total                                 | \$55,595,234              | -\$18,648,737  | \$40,106,917  | \$21,458,181  | \$474,578                | \$77,527,992           |  |  |

#### Cash Flow Summary Since Inception Ending Jun 30, 2016

|                                       | Beginning<br>Market Value | Withdrawals   | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |
|---------------------------------------|---------------------------|---------------|---------------|---------------|--------------------------|------------------------|
| Cash                                  | \$0                       | -\$74,155,261 | \$79,035,881  | \$4,880,619   | \$440                    | \$4,881,059            |
| Credit Suisse                         |                           | -\$548,111    | \$6,800,000   | \$6,251,889   | -\$1,007,561             | \$5,244,328            |
| First Quadrant                        |                           | -\$742,610    | \$890,000     | \$147,390     | -\$147,390               |                        |
| GMO                                   |                           | -\$704,232    | \$3,950,000   | \$3,245,768   | -\$128,759               | \$3,117,009            |
| PIMCO                                 |                           | -\$73,188     | \$5,650,000   | \$5,576,812   | -\$352,896               | \$5,223,916            |
| Standard Life                         |                           | \$0           | \$7,800,000   | \$7,800,000   | -\$243,431               | \$7,556,569            |
| Vanguard REIT Index Fund              |                           | -\$16,554     | \$4,988,695   | \$4,972,141   | \$2,146,855              | \$7,118,996            |
| Vanguard Total Bond Market Index Fund |                           | -\$4,227,831  | \$17,610,434  | \$13,382,603  | \$1,489,144              | \$14,871,747           |
| Vanguard Total World Stock Index Fund |                           | -\$121,989    | \$24,671,390  | \$24,549,401  | \$3,745,593              | \$28,294,994           |
| Wellington                            |                           | -\$25,096     | \$1,590,000   | \$1,564,904   | -\$345,529               | \$1,219,374            |
| Total                                 | \$0                       | -\$80,614,873 | \$152,986,400 | \$72,371,526  | \$5,156,466              | \$77,527,992           |



Attribution Effects 3 Months Ending June 30, 2016

# Health Care Trust Equity Composite Fixed Income Composite Real Estate Composite Commodities Composite Multi-Asset Inflation-Linked Assets Composite GAA Composite Cash -0.40 % -0.20 % 0.00 % 0.20 % 0.40 % Allocation Effect Selection Effect Total Effect

| 3 Months Ending June 30, 2016        |                       |                      |                  |                     |                      |                  |  |
|--------------------------------------|-----------------------|----------------------|------------------|---------------------|----------------------|------------------|--|
|                                      | Wtd. Actual<br>Return | Wtd. Index<br>Return | Excess<br>Return | Selection<br>Effect | Allocation<br>Effect | Total<br>Effects |  |
| Equity Composite                     | 1.6%                  | 1.1%                 | 0.5%             | 0.2%                | 0.1%                 | 0.3%             |  |
| Fixed Income Composite               | 2.4%                  | 2.2%                 | 0.2%             | 0.0%                | 0.0%                 | 0.0%             |  |
| Real Estate Composite                | 6.8%                  | 6.8%                 | 0.0%             | 0.0%                | -0.1%                | -0.1%            |  |
| Commodities Composite                | 8.3%                  | 7.9%                 | 0.4%             | 0.0%                | -0.1%                | -0.1%            |  |
| Multi-Asset Real Assets<br>Composite | 9.1%                  | 2.5%                 | 6.7%             | 0.1%                | 0.0%                 | 0.1%             |  |
| GAA Composite                        | 1.4%                  | 2.0%                 | -0.6%            | -0.1%               | 0.0%                 | -0.1%            |  |
| Cash                                 | 0.0%                  | 0.1%                 | -0.1%            | 0.0%                | -0.1%                | -0.2%            |  |
| Total                                | 2.6%                  | 2.7%                 | 0.0%             | 0.2%                | -0.3%                | 0.0%             |  |



**Attribution Effects** 

#### YTD Ending Jun 30, 2016 Health Care Trust Equity Composite Fixed Income Composite Real Estate Composite Commodities Composite Multi-Asset Inflation-Linked Assets Composite GAA Composite Cash -0.60 % -0.20 % 0.20 % -0.40 % 0.00 % 0.40 % Allocation Effect Selection Effect Total Effect

| Attribution Summary<br>YTD Ending Jun 30, 2016 |                       |                      |                  |                     |                      |                  |
|--|-----------------------|----------------------|------------------|---------------------|----------------------|------------------|
|  | Wtd. Actual<br>Return | Wtd. Index<br>Return | Excess<br>Return | Selection<br>Effect | Allocation<br>Effect | Total<br>Effects |
| Equity Composite                               | 2.0%                  | 1.4%                 | 0.7%             | 0.3%                | 0.1%                 | 0.4%             |
| Fixed Income Composite                         | 5.5%                  | 5.3%                 | 0.2%             | 0.0%                | 0.0%                 | 0.0%             |
| Real Estate Composite                          | 13.5%                 | 13.6%                | -0.1%            | 0.0%                | -0.1%                | -0.1%            |
| Commodities Composite                          | 9.2%                  | 8.4%                 | 0.7%             | 0.0%                | -0.1%                | 0.0%             |
| Multi-Asset Real Assets<br>Composite           | 14.6%                 | 4.4%                 | 10.1%            | 0.1%                | 0.0%                 | 0.2%             |
| GAA Composite                                  | 1.9%                  | 4.7%                 | -2.8%            | -0.5%               | 0.0%                 | -0.5%            |
| Cash   | 0.0%                  | 0.1%                 | -0.1%            | 0.0%                | -0.3%                | -0.3%            |
| Total  | 4.2%                  | 4.6%                 | -0.4%            | -0.1%               | -0.4%                | -0.4%            |



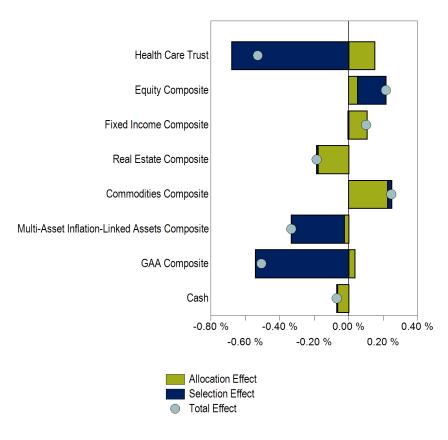
**Attribution Effects** 

#### 1 Year Ending Jun 30, 2016 Health Care Trust Equity Composite Fixed Income Composite Real Estate Composite Commodities Composite Multi-Asset Inflation-Linked Assets Composite GAA Composite Cash -1.50 % -0.50 % 0.50 % -1.00 % 0.00 % 1.00 % Allocation Effect Selection Effect Total Effect

| Attribution Summary<br>1 Year Ending Jun 30, 2016 |                       |                      |                  |                     |                      |                  |
|---|-----------------------|----------------------|------------------|---------------------|----------------------|------------------|
|   | Wtd. Actual<br>Return | Wtd. Index<br>Return | Excess<br>Return | Selection<br>Effect | Allocation<br>Effect | Total<br>Effects |
| Equity Composite                                  | -3.3%                 | -3.9%                | 0.5%             | 0.2%                | 0.2%                 | 0.4%             |
| Fixed Income Composite                            | 6.1%                  | 6.0%                 | 0.1%             | 0.0%                | 0.1%                 | 0.2%             |
| Real Estate Composite                             | 23.9%                 | 24.1%                | -0.2%            | 0.0%                | -0.4%                | -0.4%            |
| Commodities Composite                             | -11.4%                | -11.7%               | 0.3%             | 0.0%                | 0.6%                 | 0.6%             |
| Multi-Asset Real Assets<br>Composite              | -7.7%                 | 6.1%                 | -13.7%           | -0.2%               | -0.1%                | -0.3%            |
| GAA Composite                                     | -3.3%                 | 2.9%                 | -6.3%            | -1.2%               | 0.0%                 | -1.2%            |
| Cash  | 0.0%                  | 0.2%                 | -0.2%            | 0.0%                | -0.1%                | -0.1%            |
| Total   | 0.4%                  | 1.3%                 | -0.9%            | -1.2%               | 0.3%                 | -0.9%            |



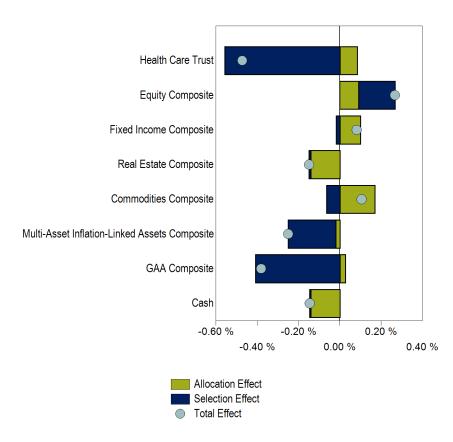
#### Attribution Effects 3 Years Ending June 30, 2016



#### **Attribution Summary** 3 Years Ending June 30, 2016 Wtd. Actual Wtd. Index Excess Selection Allocation Total Return Return Return Effect Effect Effects Equity Composite 6.5% 0.1% 0.2% 6.1% 0.4% 0.2% Fixed Income Composite 4.0% 4.1% 0.0% 0.0% 0.1% 0.1% Real Estate Composite 13.4% 13.5% -0.1% 0.0% -0.2% -0.2% **Commodities Composite** -6.7% -6.9% 0.2% 0.2% 0.2% 0.0% Multi-Asset Real Assets -0.3% -0.3% 0.0% ---------Composite GAA Composite -0.5% 0.0% -0.5% ---------Cash 0.0% 0.1% -0.1% 0.0% -0.1% -0.1% Total 4.1% -0.7% 0.2% 4.6% -0.5% -0.5%



#### Attribution Effects Since Inception Ending Jun 30, 2016



#### **Attribution Summary** Since Inception Ending Jun 30, 2016 Wtd. Actual Wtd. Index Excess Selection Allocation Total Return Return Return Effect Effect Effects Equity Composite 8.4% 0.1% 0.3% 0.2% ------Fixed Income Composite 2.5% ---0.0% 0.1% 0.1% ---**Real Estate Composite** 11.8% 0.0% -0.1% -0.1% ------**Commodities Composite** -8.2% 0.2% -0.1% 0.1% ------Multi-Asset Real Assets -0.2% -0.2% 0.0% ---------Composite GAA Composite 0.0% -0.4% -0.4% ---------Cash 0.0% 0.1% -0.1% 0.0% -0.1% -0.1% Total 4.3% 4.8% -0.5% -0.6% 0.1% -0.5%



# Health Care Trust Performance Summary – Net of Fees

|                                       | Market Value<br>(\$) | % of<br>Portfolio | 3 Mo<br>(%) | Rank | YTD<br>(%)  | Rank | Fiscal<br>YTD(<br>(%) | Rank | 1 Yr<br>(%) I | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank | Return<br>(%) | Since  |
|---------------------------------------|----------------------|-------------------|-------------|------|-------------|------|-----------------------|------|---------------|------|--------------|------|--------------|------|---------------|--------|
| Health Care Trust                     | 77,527,992           | 100.0             | 2.6         |      | 4.2         |      | 0.3                   |      | 0.3           |      | 4.1          |      |              |      | 4.3           | Jul-12 |
| Policy Benchmark                      |                      |                   | <u>2.7</u>  |      | <u>4.6</u>  |      | <u>1.3</u>            |      | <u>1.3</u>    |      | <u>4.6</u>   |      |              |      | <u>4.8</u>    | Jul-12 |
| Over/Under                            |                      |                   | -0.1        |      | -0.4        |      | -1.0                  |      | -1.0          |      | -0.5         |      |              |      | -0.5          |        |
| Allocation Index                      |                      |                   | 2.4         |      | 4.0         |      | 2.3                   |      | 2.3           |      | 5.5          |      |              |      | 5.4           | Jul-12 |
| Equity Composite                      | 28,294,994           | 36.5              | 1.6         | 41   | 2.0         | 42   | -3.3                  | 48   | -3.3          | 48   | 6.5          | 57   |              |      | 9.1           | Aug-12 |
| Vanguard Total World Stock Index Fund | 28,294,994           | 36.5              | 1.6         | 41   | 2.0         | 42   | -3.3                  | 48   | -3.3          | 48   | 6.5          | 57   |              |      | 9.1           | Aug-12 |
| MSCI ACWI IMI (Net)                   |                      |                   | <u>1.1</u>  | 49   | <u>1.4</u>  | 46   | <u>-3.9</u>           | 51   | <u>-3.9</u>   | 51   | <u>6.1</u>   | 61   | <u>5.4</u>   | 67   | <u>8.6</u>    | Aug-12 |
| Over/Under                            |                      |                   | 0.5         |      | 0.6         |      | 0.6                   |      | 0.6           |      | 0.4          |      |              |      | 0.5           |        |
| eA All Global Equity Net Median       |                      |                   | 1.0         |      | 0.7         |      | -3.8                  |      | -3.8          |      | 7.0          |      | 6.5          |      | 9.4           | Aug-12 |
| Fixed Income Composite                | 14,871,747           | 19.2              | 2.4         | 45   | 5.5         | 35   | 6.1                   | 25   | 6.1           | 25   | 4.0          | 40   |              |      | 2.5           | Aug-12 |
| Vanguard Total Bond Market Index Fund | 14,871,747           | 19.2              | 2.4         | 45   | 5.5         | 35   | 6.1                   | 25   | 6.1           | 25   | 4.0          | 40   |              |      | 2.5           | Aug-12 |
| Barclays Aggregate                    |                      |                   | <u>2.2</u>  | 49   | <u>5.3</u>  | 38   | <u>6.0</u>            | 27   | <u>6.0</u>    | 27   | <u>4.1</u>   | 39   | <u>3.8</u>   | 52   | <u>2.6</u>    | Aug-12 |
| Over/Under                            |                      |                   | 0.2         |      | 0.2         |      | 0.1                   |      | 0.1           |      | -0.1         |      |              |      | -0.1          |        |
| eA All US Fixed Inc Net Median        |                      |                   | 2.2         |      | 4.5         |      | 4.0                   |      | 4.0           |      | 3.6          |      | 3.9          |      | 2.8           | Aug-12 |
| Real Estate Composite                 | 7,118,996            | 9.2               | 6.8         | 19   | 13.5        | 6    | 23.9                  | 27   | 23.9          | 27   | 13.4         | 67   |              |      | 12.0          | Aug-12 |
| Vanguard REIT Index Fund              | 7,118,996            | 9.2               | 6.8         | 19   | 13.5        | 6    | 23.9                  | 27   | 23.9          | 27   | 13.4         | 67   |              |      | 12.0          | Aug-12 |
| MSCI US REIT                          |                      |                   | <u>6.5</u>  | 31   | <u>12.8</u> | 16   | <u>22.4</u>           | 54   | <u>22.4</u>   | 54   | <u>12.1</u>  | 90   | <u>11.2</u>  | 87   | <u>10.7</u>   | Aug-12 |
| Over/Under                            |                      |                   | 0.3         |      | 0.7         |      | 1.5                   |      | 1.5           |      | 1.3          |      |              |      | 1.3           |        |
| eA US REIT Net Median                 |                      |                   | 5.7         |      | 11.2        |      | 22.5                  |      | 22.5          |      | 13.7         |      | 12.4         |      | 11.7          | Aug-12 |
| Real Assets Composite                 | 6,463,702            | 8.3               | 8.4         |      | 10.2        |      | -10.6                 |      | -10.6         |      | -6.8         |      |              |      | -9.9          | Oct-12 |
| Commodities Composite                 | 5,244,328            | 6.8               | 8.3         |      | 9.2         |      | -11.4                 |      | -11.4         |      | -6.7         |      |              |      | -9.9          | Oct-12 |
| Custom Commodity Risk Parity Index    |                      |                   | <u>7.9</u>  |      | <u>8.4</u>  |      | <u>-11.7</u>          |      | <u>-11.7</u>  |      | <u>-6.9</u>  |      | <u>-7.6</u>  |      | <u>-9.3</u>   | Oct-12 |
| Over/Under                            |                      |                   | 0.4         |      | 0.8         |      | 0.3                   |      | 0.3           |      | 0.2          |      |              |      | -0.6          |        |
| Credit Suisse                         | 5,244,328            | 6.8               | 8.3         |      | 9.2         |      | -11.4                 |      | -11.4         |      | -6.7         |      |              |      | -8.6          | Nov-12 |
| Custom Commodity Risk Parity Index    |                      |                   | <u>7.9</u>  |      | <u>8.4</u>  |      | -11.7                 |      | <u>-11.7</u>  |      | <u>-6.9</u>  |      | <u>-7.6</u>  |      | <u>-8.7</u>   | Nov-12 |
| Over/Under                            |                      |                   | 0.4         |      | 0.8         |      | 0.3                   |      | 0.3           |      | 0.2          |      |              |      | 0.1           |        |
| Multi-Asset Real Assets Composite     | 1,219,374            | 1.6               | 9.1         |      | 14.6        |      | -7.7                  |      | -7.7          |      |              |      |              |      | -9.0          | Jan-14 |
| Wellington                            | 1,219,374            | 1.6               | 9.1         |      | 14.6        |      | -7.7                  |      | -7.7          |      |              |      |              |      | -9.0          | Jan-14 |
| CPI + 5% (Unadjusted)                 |                      |                   | <u>2.5</u>  |      | <u>4.4</u>  |      | <u>6.1</u>            |      | <u>6.1</u>    |      | <u>6.1</u>   |      | <u>6.4</u>   |      | <u>6.4</u>    | Jan-14 |
| Over/Under                            |                      |                   | 6.6         |      | 10.2        |      | -13.8                 |      | -13.8         |      |              |      |              |      | -15.4         |        |

Fiscal year ends June 30.

# Health Care Trust Performance Summary – Net of Fees

|                                      | Market Value<br>(\$) | % of<br>Portfolio | <sup>3 Mo</sup> (%) R | ank | YTD<br>(%) R | lank | Fiscal<br>YTD F<br>(%) | Rank | 1 Yr<br>(%) F | Rank | 3 Yrs<br>(%) F | Rank | <sup>5</sup> Yrs<br>(%) F | Rank | Return<br>(%) | Since  |
|--------------------------------------|----------------------|-------------------|-----------------------|-----|--------------|------|------------------------|------|---------------|------|----------------|------|---------------------------|------|---------------|--------|
| GAA Composite                        | 15,897,493           | 20.5              | 1.4                   |     | 1.9          |      | -3.3                   |      | -3.3          |      |                |      |                           |      | -4.5          | Sep-14 |
| 60% MSCI World (Net) / 40% CITI WGBI |                      |                   | <u>2.0</u>            |     | <u>4.7</u>   |      | <u>2.9</u>             |      | <u>2.9</u>    |      | <u>5.4</u>     |      | <u>4.6</u>                |      | <u>-0.1</u>   | Sep-14 |
| Over/Under                           |                      |                   | -0.6                  |     | -2.8         |      | -6.2                   |      | -6.2          |      |                |      |                           |      | -4.4          |        |
| GMO                                  | 3,117,009            | 4.0               | 0.9                   |     | 1.0          |      | -4.3                   |      | -4.3          |      |                |      |                           |      | -3.2          | Sep-14 |
| CPI + 5% (Seasonally Adjusted)       |                      |                   | <u>2.1</u>            |     | <u>3.3</u>   |      | <u>5.9</u>             |      | <u>5.9</u>    |      | <u>6.1</u>     |      | <u>6.3</u>                |      | <u>5.6</u>    | Sep-14 |
| Over/Under                           |                      |                   | -1.2                  |     | -2.3         |      | -10.2                  |      | -10.2         |      |                |      |                           |      | -8.8          |        |
| 60% MSCI World (Net) / 40% CITI WGBI |                      |                   | 2.0                   |     | 4.7          |      | 2.9                    |      | 2.9           |      | 5.4            |      | 4.6                       |      | -0.1          | Sep-14 |
| PIMCO                                | 5,223,916            | 6.7               | 4.5                   |     | 10.4         |      | -2.1                   |      | -2.1          |      |                |      |                           |      | -5.9          | Sep-14 |
| CPI + 6.5% (Seasonally Adjusted)     |                      |                   | <u>2.4</u>            |     | <u>4.0</u>   |      | <u>7.4</u>             |      | <u>7.4</u>    |      | <u>7.6</u>     |      | <u>7.9</u>                |      | <u>7.1</u>    | Sep-14 |
| Over/Under                           |                      |                   | 2.1                   |     | 6.4          |      | -9.5                   |      | -9.5          |      |                |      |                           |      | -13.0         |        |
| 60% MSCI World (Net) / 40% CITI WGBI |                      |                   | 2.0                   |     | 4.7          |      | 2.9                    |      | 2.9           |      | 5.4            |      | 4.6                       |      | -0.1          | Sep-14 |
| Standard Life                        | 7,556,569            | 9.7               | -0.8                  |     | -3.9         |      | -3.9                   |      | -3.9          |      |                |      |                           |      | -2.4          | Feb-15 |
| 91 Day T-Bill + 5%                   |                      |                   | <u>1.3</u>            |     | <u>2.6</u>   |      | <u>5.2</u>             |      | <u>5.2</u>    |      | <u>5.1</u>     |      | <u>5.1</u>                |      | <u>5.1</u>    | Feb-15 |
| Over/Under                           |                      |                   | -2.1                  |     | -6.5         |      | -9.1                   |      | -9.1          |      |                |      |                           |      | -7.5          |        |
| 60% MSCI World (Net) / 40% CITI WGBI |                      |                   | 2.0                   |     | 4.7          |      | 2.9                    |      | 2.9           |      | 5.4            |      | 4.6                       |      | 2.9           | Feb-15 |
| Cash                                 | 4,881,059            | 6.3               | 0.0                   |     | 0.0          |      | 0.0                    |      | 0.0           |      | 0.0            |      |                           |      | 0.0           | Jul-12 |
| Cash                                 | 4,881,059            | 6.3               | 0.0                   |     | 0.0          |      | 0.0                    |      | 0.0           |      | 0.0            |      |                           |      | 0.0           | Jul-12 |
| 91 Day T-Bills                       |                      |                   | <u>0.1</u>            |     | <u>0.1</u>   |      | <u>0.2</u>             |      | <u>0.2</u>    |      | <u>0.1</u>     |      | <u>0.1</u>                |      | <u>0.1</u>    | Jul-12 |
| Over/Under                           |                      |                   | -0.1                  |     | -0.1         |      | -0.2                   |      | -0.2          |      | -0.1           |      |                           |      | -0.1          |        |

Fiscal year ends June 30.



### Due Diligence Monitor

The items below summarize the recent quarter's performance and any changes or announcements from the Plan's managers/products. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a brief summary is provided on the following pages. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determine if any action should be taken (by NEPC and/or by our clients). Events are rated: No Action, Watch, Hold, Client Review or Terminate. NEPC's recommendation in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data) is refreshed quarterly.

| Investment Options                       | Performance<br>(Recent<br>Quarter) | Changes/<br>Announcements<br>(Recent<br>Quarter) | NEPC Due<br>Diligence<br>Committee<br>Recommendations | Plan<br>Recommendation | Comments |
|--|------------------------------------|--|---|------------------------|----------|
| Vanguard Total World Stock Index         | -                                  | Yes  | No Action   | No Action              |          |
| Vanguard Total Bond Market Index         | -                                  | -  | -   | -                      |          |
| Vanguard REIT Index                      | Top Quartile                       | -  | -   | -                      |          |
| Credit Suisse Risk Parity Commodity Fund | N/A                                | -  | Hold  | No Action              |          |
| Wellington Diversified Inflation Hedges  | N/A                                | Yes  | Watch   | No Action              |          |
| GMO Benchmark-Free Allocation Fund       | N/A                                | Yes  | Hold  | No Action              |          |
| PIMCO All Asset All Authority Fund       | N/A                                | _  | Watch   | No Action              |          |
| Standard Life GARS                       | N/A                                | -  | -   | -                      |          |

|               | NEPC Due Diligence Committee Recommendation Key   |
|---------------|---|
| No Action     | Informational items have surfaced; no action is recommended.  |
| Watch         | Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.  |
| Hold          | Serious issues have surfaced to be concerned over; manager cannot participate in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.   |
| Client Review | Very serious issues have surfaced with an Investment Manager; manager cannot participate in future searches unless a client specifically requests. Current clients must be advised to review the manager.   |
| Terminate     | We have lost all confidence in the product; manager would not be recommended for searches and clients would<br>be discouraged from using. The manager cannot participate in future searches unless a client specifically<br>requests. Current clients must be advised to replace the manager. |



#### Due Diligence Commentary

#### Vanguard Total Stock Market Index Fund

In April 2016, Vanguard announced changes to the named portfolio managers on 14 of the firm's index strategies, including the Vanguard Total Stock Market Index Fund. As the index funds are passively managed, we do not have any concerns regarding the announced changes.

NEPC recommends a due diligence status of **No Action.** We do not recommend any action at this time.

#### Wellington Diversified Inflation Hedges (DIH)

In January 2016, Karl Bantal, portfolio manager for Wellington's Core Energy approaches, announced his withdrawal from the partnership, elevating Greg Leblanc to PM of the strategies previously managed by Mr. Bantal. With Mr. Bantal's announcement, Mr. Leblanc relinquished his PM responsibilities on the Commodities strategy he co-managed with David Chang to assume most of Mr. Bantal's energy equity related responsibilities. Mr. Chang has 12 years of investing experience within the commodities markets and has been an active participant with Wellington's commodity approaches since their inception.

In addition, the Precious Metals portfolio managed by Kevin White was eliminated and shifted to a basket of equity securities. The sleeve of the portfolio had been underperforming and the decision was made to get this exposure passively going forward.

In March 2016, it was announced that Emerging Market Inflation-Linked Bonds would no longer receive a dedicated allocation in the strategy. Future allocations will be made on a tactical basis.

On May 8, 2016, NEPC was notified that Julius Moschitz, PhD. will be transitioning off of the Diversified Inflation Hedges investment team at the end of May. Dr. Moschitz joined the Global Macro team in 2004 and he then transitioned to the Asset Allocation group in 2009, focusing on DIH as a dedicated macroeconomic analyst. The decision to remove Dr. Moschitz from the DIH team stems from his macro research tending to be less actionable, causing the team to have difficulty implementing investment ideas too are often too granular. Dr. Moschitz will remain with Wellington in the Global Macro research group focusing on the broad economic growth picture. Additionally, Nick Petrucelli has been elevated to a more senior role within the Global Multi-Asset Strategies ("GMAS") team and will be tasked with aiding to provide a clearer macro picture for the DIH team. Mr. Petrucelli's two main sources of research have revolved around inflation sensitive assets and asset allocation for long-term investors. His inflation models are currently being utilized by the GMAS team and by the firm broadly, and he has been moderating team weekly meetings for the last year. From a portfolio management perspective, Scott Elliot and Brian Garvey remain in place as the lead risk-takers of DIH, and there are no indications of further changes to the investment team.

NEPC recommends a due diligence status of **Watch**. We do not recommend any action at this time.

The WATCH recommendation is the culmination of a number a minor announcements over the past 12 months that triggered an NEPC due diligence response. When isolated, the events do not represent a significant change to the team or departure from the investment process; Wellington utilizes a broad pool of analyst/PMs to identify long-term trends to build an uncorrelated portfolio of inflation sensitive assets. When taken in aggregate, however, we believe these events warrant a WATCH rating.



#### Due Diligence Commentary

#### **GMO Benchmark-Free Allocation Strategy**

On April 24, 2016, NEPC was notified that CEO Brad Hilsabeck will be stepping down effective July 1. Mr. Hilsabeck, who had been CEO for the past 5 years, will remain as a member of GMO's Board of Directors. GMO emphasized that this was entirely Mr. Hilsabeck's decision and the reasons for his stepping down were personal in nature. Peg McGetrick has been named acting CEO. Ms. McGetrick is currently a member of GMO's Board of Directors. Over the course of the next year, GMO will be conducting a search for CEO candidates as Peg McGetrick's role is intended to be temporary.

On June 2, 2016, GMO announced several organizational and investment process changes that directly impact the firm's multi-asset strategies, global equity strategies, and fixed income strategies with the exception of emerging markets debt. Notably, GMO will be reducing approximately 10% of the firm's workforce. The total headcount reduction will be approximately 50 individuals, the majority of which are not on the investment team.

Sam Wilderman, co-Head of Asset Allocation, will be leaving GMO at the end of 2016 and will remain through the end of the year to aid in the transition. Effective Jan 1, 2016, Ben Inker will be the sole Head of Asset Allocation. Outside of Mr. Wilderman's departure, the multi-asset investment team remains unchanged.

The strategy is also impacted by investment process changes to the firm's global equity and developed fixed income strategies. The global equity and developed fixed income investment process changes impact approximately 10% of the exposure of GMO's multi-asset portfolios. What remains for the multi-asset portfolios is the discipline provided by the asset allocation team's seven-year asset class forecasts and their belief that asset classes mean revert to fair value over time. Based on our recent conversations with GMO and our understanding of the investment process, we do not believe these represent material changes.

NEPC recommends a due diligence status of **Hold**. We do not recommend any action at this time. Please see our separate memo for additional details on the announced changes.



- 7/1/12 7/31/12: 90 day T-Bills
- 8/1/12 12/31/13: 43% MSCI ACWI IMI (Net)/35% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/12% Custom Commodity Risk Parity Index
- 1/1/14 8/31/2014: 43% MSCI ACWI IMI (Net)/35% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/9% Custom Commodity Risk Parity Index/3% CPI + 5% (Unadjusted)
- 9/1/14 present: 43% MSCI ACWI IMI (Net)/15% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/9% Custom Commodity Risk Parity Index/3% CPI + 5% (Unadjusted)/20% 60/40 MSCI World (Net)/Citi World Government Bond Index



#### **Information Disclaimer**

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- NEPC's sources for portfolio pricing, calculation of accruals, and transaction information are the Plan's custodian bank and investment managers. Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may be preliminary and subject to change.
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- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

#### **Reporting Methodology**

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC generally reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month of performance, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.

