Massive disruption is taking the healthcare space by storm. Rapidly evolving technologies are quietly and completely morphing the medical field as we know it. Robotics, artificial intelligence, and healthcare technologies are becoming significant change agents in the industry and investors should be taking notice.

HTEC provides unique, global exposure to best-in-class companies leading the healthcare technology revolution, across diagnostics, robotics, genomics, precision and regenerative medicine, lab automation, instruments, data analytics and telehealth.

Main Drivers for the Healthcare Technology Revolution:
- Healthcare’s shift to a preventive approach
- Augmented physician capabilities and productivity
- Reduced healthcare costs

The ROBO Global® Healthcare Technology and Innovation Index was launched in April 2019 with the objective of providing investors with a comprehensive, transparent, and diversified benchmark that represents the global value chain of healthcare technology and innovation.

Performance Chart
The ROBO Global® Healthcare Technology and Innovation Index Performance - Rebased 100 = January 2009

The data shown is derived from the published index values. Prior to 30 April 2019, the data is based on simulated back-casted data.
**Monthly Performance**

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>YTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>12.72%</td>
<td>6.71%</td>
<td>1.19%</td>
<td>-2.11%</td>
<td>-4.09%</td>
<td>10.28%</td>
<td>1.40%</td>
<td>-3.60%</td>
<td>0.01%</td>
<td>23.21%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>8.48%</td>
<td>-2.14%</td>
<td>1.90%</td>
<td>2.96%</td>
<td>11.93%</td>
<td>4.71%</td>
<td>3.48%</td>
<td>11.19%</td>
<td>0.69%</td>
<td>-11.07%</td>
<td>2.77%</td>
<td>-9.39%</td>
<td>25.25%</td>
</tr>
<tr>
<td>2017</td>
<td>3.35%</td>
<td>5.56%</td>
<td>4.72%</td>
<td>4.83%</td>
<td>3.91%</td>
<td>5.15%</td>
<td>0.32%</td>
<td>4.90%</td>
<td>2.03%</td>
<td>-0.11%</td>
<td>0.71%</td>
<td>-1.44%</td>
<td>39.31%</td>
</tr>
<tr>
<td>2016</td>
<td>-11.86%</td>
<td>0.13%</td>
<td>8.13%</td>
<td>3.98%</td>
<td>3.57%</td>
<td>1.08%</td>
<td>9.04%</td>
<td>-0.36%</td>
<td>3.41%</td>
<td>-7.86%</td>
<td>3.17%</td>
<td>0.58%</td>
<td>11.58%</td>
</tr>
<tr>
<td>2015</td>
<td>-0.04%</td>
<td>4.64%</td>
<td>0.99%</td>
<td>-1.40%</td>
<td>3.65%</td>
<td>1.24%</td>
<td>3.26%</td>
<td>-5.16%</td>
<td>-5.99%</td>
<td>2.90%</td>
<td>7.34%</td>
<td>1.07%</td>
<td>12.34%</td>
</tr>
<tr>
<td>2014</td>
<td>3.46%</td>
<td>4.80%</td>
<td>-2.55%</td>
<td>-7.86%</td>
<td>2.97%</td>
<td>4.60%</td>
<td>-2.10%</td>
<td>3.44%</td>
<td>-3.51%</td>
<td>6.59%</td>
<td>2.73%</td>
<td>2.25%</td>
<td>14.70%</td>
</tr>
</tbody>
</table>

**Key Statistics**

| Performance (eff.) | 1.58% | 2.77% | 798.91% |
| Volatility          | 18.71% | 22.01% | 17.81% |
| Sharpe Ratio        | 0.01% | 1.19% |

**Fundamentals**

- P/E: 41.90
- P/E NTM: 26.18
- P/B: 5.74
- EV/Sales: 5.72
- P/Cash Flow: 27.53

The index methodology follows a modified factor weighting scheme and rebalances on a quarterly basis to more effectively respond to and capture changes in the technological and competitive landscapes while maintaining critical diversification. Including more than 80 stocks across 9 subsectors in 15 countries, the index is built to minimize risk by limiting reliance on the largest-cap players, and to capture the growth of rapidly developing healthcare technology companies around the globe.

**Index Facts**

- Go Live Date: 30th April 2019
- Index Components: 85
- Eligible Universe: ROBO Global® Industry Classification System
- Weighting: HTEC Factor measuring revenue and market/technology leadership
- Rebalance Frequency: Quarterly

**Calculation Frequency**: Every 15 seconds 9am to 11.30pm GMT
**Dividend Treatment**: Price and total return versions are available. The total return index is calculated with net dividends reinvested.
**History Availability**: Daily back to 31 December 2008
**Base Value / Base Date**: 1000 / 30 April 2019
**Bloomberg / Reuters Ticker**: HTEC Index / .HTEC

Each company in the ROBO Global® Industry Classification System is assigned a “HTEC Score” based on the company’s level of revenues, market and technology leadership, and investments in the field of healthcare technology and innovation. These scores range from 1-100 with 100 representing significant levels of revenues and leadership. A company must have a minimum HTEC Score of 50 to be considered for inclusion in the index. Companies are weighted by dividing each individual company’s HTEC Score by the sum of the total HTEC Scores among index constituents. To respond to new entrants and maintain the desired diversification, the index rebalances on a quarterly basis.

**Top 10 Holdings**

1. GENOMIC HEALTH INC: 1.92%
2. DEXCOM INC: 1.88%
3. TABULA RASA HEALTHCARE INC: 1.79%
4. INTEGRA LIFESCIENCES HOLDINGS CORP: 1.74%
5. NEVRO CORP: 1.71%
6. ARROWHEAD PHARMAECUTICALS INC: 1.68%
7. MDPACE HOLDINGS INC: 1.68%
8. CARDIOVASCULAR SYSTEMS INC: 1.64%
9. TELADOC HEALTH INC: 1.48%
10. EXACT SCIENCES CORP: 1.47%

*Top 10 Holdings are updated on a daily basis.*
The coverage team incorporates full-time financial and research professionals supported by industry entrepreneurs and academic leaders who specialize in global developments across the robotics, artificial intelligence, and healthcare technologies. The strategic advisory board, including more than 7 PhDs and some of the most highly respected technology visionaries, works closely with our management team to identify early key industry trends and associated companies.

In the absence of a benchmark industry classification system specific to this emerging industry, in 2013 we created the ROBO Global® Industry Classification for the investment and research community. To date, we have identified 9 subsectors of suitable product and technology maturity to the Healthcare Technology and Innovation theme that carry high growth and earnings potential. On a regular basis, we screen our proprietary database of over 1,000 companies to identify those that are publicly traded, fit into these 9 sub-sectors, meet a minimum revenue threshold, are positioned as technology and growth leaders, and satisfy our ESG Policy.

Index members are identified from the ROBO Global® Industry Classification in accordance with predetermined rules and objective criteria, including minimum market capitalization and average daily value traded.

Geographic Breakdown

- United States 81%
- Switzerland 4%
- Netherlands 3%
- United Kingdom 2%
- Japan 1%
- Others 9%

Market Capitalization Breakdown

- Large-Cap 37%
- Mid-Cap 41%
- Small-Cap 22%

*Charts are presented based on each company's daily weightings in the index.*
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