

HV Sector ETFs as of 11/27/2019

| Ticker | ETF Name | Orientation | M-Index | 4 wk | 8 wk | 12 wk | YTD | %M/A | DD% |
|--------|---|-------------------------|---------|--------|--------|--------|--------|--------|---------|
| SMH | VanEch Vectors Semiconductor | Technology Equities | 23 | 4.83% | 15.48% | 15.94% | 54.00% | 17.50% | 0.00% |
| XBI | SPDR Series Trust SPDR S&P Biotech | Health & Biotech Equiti | 22 | 14.21% | 24.29% | 18.00% | 30.20% | 10.81% | -7.64% |
| SOXX | iShares PHLX SOX Semiconductor Sector Index | Technology Equities | 21 | 4.66% | 14.36% | 14.14% | 50.40% | 15.47% | -0.38% |
| BBH | VanEck Vectors Biotech | Health & Biotech | 20 | 11.85% | 22.99% | 16.14% | 27.54% | 12.99% | 0.00% |
| IBB | Nasdaq Biotechnology | Health & Biotech Equiti | 19 | 10.97% | 22.78% | 17.96% | 23.81% | 12.09% | -64.97% |
| ITB | iShares DJ US Home Construction | Building and Constructi | 18 | 2.26% | 7.56% | 11.30% | 52.43% | 15.49% | -0.99% |
| VGT | Vanguard Info Technology | Technolgy Equities | 18 | 5.92% | 13.14% | 10.52% | 42.15% | 11.93% | 0.00% |
| IYW | Dow Jones US Technology | Technology Equities | 18 | 5.93% | 13.24% | 11.57% | 40.53% | 11.93% | 0.00% |
| XLK | Technology Select | Technology Equities | 18 | 5.61% | 12.95% | 10.66% | 42.66% | 12.51% | 0.00% |
| FBT | 1st Trust Biotechnology Index | Health & Biotech Equiti | 18 | 12.34% | 21.61% | 17.65% | 18.55% | 8.22% | -7.48% |
| KBWB | PowerShares KBW Bank Portfolio | Financials Equities | 17 | 5.35% | 15.76% | 18.98% | 29.40% | 11.63% | -5.32% |
| IHF | iShares DJ US Healthcare Provid's | Health & Biotech Equiti | 17 | 9.88% | 23.14% | 18.04% | 18.46% | 14.44% | -3.04% |
| XHB | SPDR Series Trust SPDR Home Builders | Building & Construction | 16 | 1.62% | 8.28% | 10.66% | 42.37% | 11.05% | -0.96% |
| IYG | Dow Jones US Financial Serv's | Specialty-Financial | 16 | 4.83% | 13.72% | 12.25% | 32.55% | 10.81% | 0.00% |
| IGV | iShares North American Tech-Software | Technology Equities | 15 | 7.18% | 12.59% | 7.33% | 33.90% | 7.70% | 0.00% |
| KBE | SPDR S&P Bank | Specialty-Financial | 14 | 4.14% | 11.72% | 15.01% | 24.52% | 7.14% | -10.32% |
| FXH | 1st Trust Health Care AlphaDEX | Health & Biotech Equiti | 14 | 7.99% | 15.67% | 11.39% | 21.14% | 10.06% | -1.71% |
| URE | ProShares Ultra Real Estate | Leveraged Real Estate | 14 | -1.92% | 2.73% | -0.68% | 55.83% | 8.65% | -37.01% |
| VFH | Vanguard Financials | Financials Equities | 14 | 4.44% | 11.81% | 11.62% | 26.50% | 9.03% | -0.05% |
| XLF | Financial Select Sector | Financial Equities | 14 | 4.72% | 12.48% | 12.27% | 26.78% | 9.70% | 0.00% |
| VIS | Vanguard Industrials | industrials Equities | 13 | 4.01% | 10.92% | 9.40% | 29.12% | 7.72% | -0.02% |
| XPH | SPDR Pharmaceuticals | Health & Biotech Equiti | 13 | 5.45% | 17.75% | 16.14% | 11.41% | 5.64% | -18.33% |
| IHI | iShares DJ US Medical Devices | Health & Biotech Equiti | 13 | 4.99% | 9.56% | 5.70% | 30.58% | 9.63% | 0.00% |
| ITA | iShares DJ US Aerospace&Defense | Industrials Equities | 13 | 5.00% | 7.43% | 4.91% | 34.49% | 8.62% | -0.52% |
| XLI | Industrial Select Sector | Industrial Equities | 13 | 3.86% | 10.87% | 8.91% | 27.96% | 7.29% | -0.10% |
| IYJ | Dow Jones US Industrial | Industrial Equities | 13 | 4.15% | 10.56% | 7.95% | 31.19% | 7.64% | 0.00% |
| IXJ | S&P Global Healthcare | Health & Biotech Equiti | 12 | 4.72% | 13.22% | 10.29% | 18.66% | 9.87% | -45.38% |
| IYH | Dow Jones US Healthcare | Specialty-Health | 12 | 5.95% | 14.11% | 10.93% | 16.35% | 9.37% | 0.00% |
| VHT | Vanguard Health Care | Health & Biotech Equiti | 12 | 6.15% | 14.33% | 10.98% | 16.41% | 9.20% | 0.00% |
| KRE | SPDR S&P Region.Banking | Specialty-Financial | 12 | 3.31% | 10.95% | 14.62% | 20.84% | 6.11% | -13.99% |
| IYF | Dow Jones US Financial Sector | Specialty-Financial | 12 | 3.28% | 9.21% | 7.78% | 27.82% | 8.15% | 0.00% |
| FXO | 1st Trust Financials AlphaDEX | Financial Equities | 11 | 3.66% | 8.83% | 7.81% | 23.62% | 6.05% | 0.00% |
| XLV | Health Care Select SPDR | Health & Biotech Equiti | 11 | 5.25% | 13.52% | 10.77% | 15.41% | 9.30% | 0.00% |
| VOX | Vanguard Telecom Serv's | Communication Equitie | 11 | 3.78% | 9.01% | 5.50% | 24.77% | 5.81% | -11.25% |
| USO | U.S. Oil Fund | Oil & Gas. | 11 | 5.84% | 10.56% | 3.67% | 25.67% | 1.49% | -24.50% |
| FXD | First Trust Cons. Discret. AlphaDEX | Consumer Discretionar | 10 | 3.30% | 9.69% | 7.45% | 21.33% | 5.07% | -1.13% |
| IYC | iShares US Consumer Services | Consumer Discretionar | 10 | 2.87% | 6.73% | 3.39% | 25.48% | 5.43% | 0.00% |
| KIE | SPDR S&P Insurance | Specialty-Financial | 10 | 3.30% | 5.25% | 4.67% | 25.73% | 6.01% | -61.98% |
| IYT | Dow Jones Transportation | Transportation Equities | 10 | 3.01% | 10.80% | 7.96% | 19.29% | 4.52% | -5.58% |
| PJP | Dynamic Pharmaceuticals | Health & Biotech Equiti | 10 | 6.57% | 15.49% | 14.00% | 2.23% | 6.03% | -14.03% |
| VAW | Vanguard Materials VIPERS | Materials | 9 | 2.61% | 8.58% | 7.12% | 18.87% | 5.23% | -8.85% |

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|--------|--|-------------------------|---------|--------|--------|---------|--------|--------|---------|
| VCR | Vanguard Consumer Discretionary | Consumer Discretionar | 9 | 2.02% | 6.01% | 3.95% | 23.66% | 4.52% | -0.33% |
| XLB | Materials Select Sector | Materials | 9 | 2.40% | 7.97% | 5.85% | 19.28% | 5.43% | -5.98% |
| XRT | SPDR S&P Retail | Consumer Discretionar | 9 | 3.07% | 9.80% | 13.72% | 9.83% | 4.91% | -14.25% |
| IHE | iShares DJ US Pharmaceuticals | Health & Biotech Equiti | 8 | 3.70% | 10.33% | 8.62% | 7.65% | 3.52% | -10.62% |
| RHS | Guggenheim S&P 500 = Wt. Consum Staples | Consumer Staples | 8 | 2.90% | 4.17% | 2.41% | 22.66% | 5.59% | 0.00% |
| IYM | Dow Jones US Basic Mat's | Materials | 8 | 3.06% | 8.39% | 6.88% | 14.22% | 4.04% | -11.24% |
| IYK | Dow Jones US Cons. Goods | Consumer Staples Equi | 8 | 1.66% | 5.06% | 3.58% | 21.66% | 5.47% | -0.88% |
| XLY | Consumer Discretionary Sec. | Consumer Discretionar | 8 | 1.44% | 4.86% | 2.48% | 24.48% | 4.13% | -0.99% |
| XLP | Consumer Staples Select | Consumer Staples | 7 | 1.26% | 3.32% | 0.65% | 22.13% | 5.59% | 0.00% |
| VDC | Vanguard Consumer Staples | Consumer Staples Equi | 7 | 1.33% | 3.36% | 0.77% | 20.57% | 4.99% | 0.00% |
| FXG | 1st Trust Consumer Staples | Consumer Staples Equi | 7 | 3.41% | 4.16% | 3.05% | 16.26% | 5.26% | -4.63% |
| XME | SPDR S&P Metals & Mining | Commodity Producers | 7 | 3.85% | 11.39% | 7.97% | 6.03% | 1.33% | -29.10% |
| VNQI | Vanguard Global ex-U.S. Real Estate | Global Real Estate | 6 | 0.07% | 4.59% | 3.84% | 15.99% | 3.35% | -6.68% |
| SCHH | Schwab U.S. REIT | Real Estate | 6 | -1.07% | 1.44% | 0.66% | 22.59% | 3.85% | -1.91% |
| RWX | SPDR DJ Wil Intern. RE | Real Estate | 6 | -0.32% | 4.30% | 3.90% | 15.22% | 3.87% | -5.54% |
| RWR | Wilshire REIT Fund | Real Estate | 6 | -0.98% | 1.47% | 0.53% | 21.86% | 3.65% | -1.85% |
| RWO | SPDR DJ Wilshire Global Real Estate | Global Real Estate | 6 | -0.57% | 2.79% | 1.88% | 18.91% | 3.79% | -1.42% |
| GSG | iShares GSCI Commodity Index | Commodities. | 6 | 1.83% | 5.55% | 3.65% | 11.27% | 0.34% | -16.67% |
| IYR | Dow Jones US Real Estate | Real Estate | 6 | -1.02% | 1.38% | -0.67% | 24.71% | 4.18% | -1.99% |
| GNR | SPDR S&P Global Natural Resources | Commodity Producers | 6 | 1.51% | 7.75% | 6.14% | 8.92% | 1.05% | -15.34% |
| VNQ | Vanguard REIT Index | Real Estate | 6 | -1.03% | 1.65% | -0.45% | 25.39% | 4.37% | -1.84% |
| MOO | VanEck Vectors Agribusiness | Commodity Producers | 6 | -0.04% | 4.35% | 1.52% | 17.09% | 2.85% | -1.64% |
| IFGL | iShares FTSE EPRA/NAREIT Global Real Estate | Global Real Estate | 5 | -0.16% | 4.02% | 1.94% | 13.02% | 2.09% | -3.66% |
| IYZ | Down Jones US Telecom | Commun. Equities | 5 | -0.40% | 4.95% | 4.14% | 12.56% | 0.53% | -18.83% |
| ICF | Cohen & Steers Realty | Real Estate | 5 | -1.52% | 0.02% | -2.56% | 23.62% | 2.92% | -3.10% |
| GUNR | FlexShares Global Upstream Natural Resources | Commodity Producers | 5 | 1.75% | 6.06% | 2.99% | 9.36% | 0.18% | -9.60% |
| IGE | iShares North American Natural Resources | Commodity Producers | 4 | 1.94% | 5.30% | 2.26% | 8.09% | -1.81% | -22.77% |
| DBC | PowerShares DB Commodity Index | Commodities | 4 | 1.30% | 4.83% | 3.44% | 7.80% | 0.54% | -15.75% |
| IXC | S&P Global Energy | Energy Equities | 4 | 1.38% | 5.78% | 5.09% | 5.45% | -2.48% | -21.43% |
| REZ | iShares Residential Real Estate Capped | Specialty-Real Estate | 4 | -2.65% | -1.59% | -3.39% | 24.88% | 4.14% | -4.61% |
| RING | iShares MCSI Global Gold Miners Fund | Commodity Producers | 4 | -3.27% | -2.13% | -12.53% | 32.98% | 7.75% | -18.91% |
| IEO | iShares DJ Oil & Gas Expl.&Prod. | Energy Equities | 3 | 1.33% | 6.92% | 5.15% | 0.02% | -4.28% | -34.15% |
| IYE | Dow Jones US Energy | Specialty-Natural Res. | 3 | 2.09% | 5.23% | 2.32% | 2.09% | -4.75% | -26.76% |
| FXB | CurrencyShares British Pound | Currency | 3 | 0.06% | 4.96% | 5.58% | 1.21% | 1.62% | -13.96% |
| XLE | Energy Select Sector | Energy Equities | 3 | 2.20% | 5.46% | 2.57% | 3.73% | -3.87% | -24.61% |
| GDXJ | VanEck Vectors Junior Gold Miners | Commodity Producers | 2 | -2.69% | -0.98% | -12.96% | 23.10% | 6.53% | -28.05% |
| SIL | Global X Silver Miners | Commodity Producers | 2 | -1.92% | 2.53% | -9.59% | 16.43% | 7.34% | -45.64% |
| GDX | Mkt Vector Gold Miners | Specialty-Precious Met | 2 | -2.88% | -2.74% | -13.86% | 26.41% | 6.12% | -14.88% |
| UUP | PowerShares DB US Dollar Bullish | Currency | 2 | 1.13% | -0.19% | 0.67% | 5.85% | 2.07% | -0.59% |
| VDE | Vanguard Energy VIPERS | Energy Equities | 2 | 1.66% | 4.62% | 1.60% | 0.66% | -5.82% | -28.74% |
| DBA | PowerShares DB Agriculture Fd | Agriculture Commoditie | 1 | 0.69% | 1.52% | 6.99% | -5.08% | -0.20% | -29.97% |
| DJP | Bloomberg Commodity Index | Commodities | 1 | -1.65% | 1.52% | 0.23% | 3.72% | -0.71% | -14.29% |
| FTGC | First Trust Global Tactical Commodity Strategy | Commodities | 1 | -0.97% | 1.60% | 1.32% | 2.73% | -0.04% | -16.01% |
| IAU | iShares Gold Trust | Precious Metals | 0 | -2.86% | -3.00% | -6.52% | 13.18% | 3.79% | -6.52% |

| Ticker | ETF Name | Orientation | M-Index | 4 wk | 8 wk | 12 wk | YTD | %M/A | DD% |
|---------------|------------------------------------|----------------------|----------------|-------------|-------------|--------------|------------|-------------|------------|
| PPLT | ETFS Physical Platinum Shares | Precious Metals | 0 | -3.06% | 0.64% | -9.46% | 12.09% | 2.78% | -25.56% |
| GLD | SPDR Gold Shares | Precious Metals | 0 | -2.84% | -3.01% | -6.58% | 13.00% | 3.70% | -6.58% |
| OIH | Oil Services HOLDRs | Energy Equities | 0 | 5.39% | 7.58% | 2.05% | -15.04% | -14.69% | -66.03% |
| FXV | CurrencyShares Japanese Yen Trust | Currency | -2 | -0.62% | -2.16% | -3.02% | -0.37% | -0.85% | -10.24% |
| FXE | CurrencyShares Euro Currency Trust | Currency | -2 | -1.38% | 0.22% | -0.49% | -4.68% | -1.80% | -13.37% |
| SLV | iShares Silver Trust | Precious Metals | -3 | -5.32% | -3.59% | -13.63% | 9.09% | 4.81% | -19.18% |
| XES | SPDR Oil & Gas Equip./Services | Energy Equities | -5 | 2.05% | 2.65% | -3.86% | -22.64% | -22.35% | -70.62% |
| FXN | 1st Trust Energy AlphaDEX | Energy Equities | -5 | -1.27% | 0.32% | -1.89% | -18.77% | -14.68% | -48.57% |
| XOP | SPDR Oil & Gas Explor & Product | Energy Equities | -7 | -1.79% | -0.48% | -4.01% | -21.41% | -18.60% | -53.22% |
| AGQ | ProShares Ultra Silver | Leveraged Commoditie | -9 | -10.88% | -8.29% | -27.48% | 9.06% | 5.41% | -49.14% |
| UNG | U.S. Natural Gas Fund | Oil & Gas | -10 | -9.65% | -0.83% | -9.05% | -22.30% | -9.70% | -78.26% |
| SGOL | ETFS Physical Swiss Gold Shares | Precious Metals | -90 | -90.28% | -90.30% | -90.65% | -88.67% | -88.81% | -90.65% |