

HV Sector ETFs as of 10/31/2019

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD %M/A	DD%
ITB	iShares DJ US Home Construction	Building and Constructi	19	4.71%	8.64%	12.05%	48.64% 15.62%	-3.46%
SMH	VanEch Vectors Semiconductor	Technology Equities	18	7.88%	6.73%	12.39%	46.07% 14.66%	-1.14%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	17	2.30%	2.33%	6.71%	58.33% 12.49%	-36.00%
SOXX	iShares PHLX SOX Semiconductor Sector Index	Technology Equities	16	6.83%	5.26%	10.60%	42.98% 12.76%	-1.50%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	16	6.13%	7.64%	9.37%	40.01% 11.31%	-2.61%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	12	8.50%	8.85%	9.21%	21.65% 6.07%	-11.00%
XLK	Technology Select	Technology Equities	12	5.59%	2.57%	5.39%	35.00% 8.95%	-0.36%
VGT	Vanguard Info Technology	Technolgy Equities	12	5.33%	2.16%	4.49%	34.05% 7.81%	-0.26%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	11	7.42%	4.02%	5.29%	25.62% 6.61%	-0.75%
IYW	Dow Jones US Technology	Technology Equities	11	5.38%	3.08%	4.77%	32.56% 7.80%	-0.68%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	10	4.59%	-1.67%	-2.95%	41.80% 17.42%	-13.53%
IYF	Dow Jones US Financial Sector	Specialty-Financial	9	4.71%	2.53%	3.82%	23.19% 5.57%	-0.46%
KBE	SPDR S&P Bank	Specialty-Financial	9	6.01%	6.26%	4.97%	18.15% 2.04%	-14.91%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	9	0.46%	0.74%	4.42%	28.84% 8.64%	-1.58%
VFH	Vanguard Financials	Financials Equities	9	6.23%	4.14%	4.51%	20.33% 4.94%	-4.92%
XLF	Financial Select Sector	Financial Equities	9	6.45%	4.55%	5.28%	20.49% 5.63%	-4.87%
XLI	Industrial Select Sector	Industrial Equities	8	4.92%	1.91%	3.22%	21.89% 3.21%	-2.67%
AGQ	ProShares Ultra Silver	Leveraged Commodity	8	5.22%	-7.45%	10.02%	25.29% 22.20%	-41.57%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	8	7.13%	4.77%	5.01%	13.19% 5.69%	-47.90%
SCHH	Schwab U.S. REIT	Real Estate	8	1.53%	2.12%	4.26%	23.81% 5.67%	-0.93%
RWX	SPDR DJ Wil Intern. RE	Real Estate	8	4.19%	4.59%	7.02%	15.99% 5.12%	-4.92%
IYJ	Dow Jones US Industrial	Industrial Equities	8	4.47%	0.91%	2.37%	24.77% 3.57%	-0.95%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	8	2.59%	3.07%	5.22%	19.84% 5.26%	-0.66%
IYR	Dow Jones US Real Estate	Real Estate	8	1.26%	0.81%	3.06%	25.78% 6.05%	-1.15%
VIS	Vanguard Industrials	industrials Equities	8	5.19%	2.28%	3.14%	22.98% 3.68%	-1.78%
VNQ	Vanguard REIT Index	Real Estate	8	1.54%	1.14%	3.67%	26.46% 6.25%	-1.00%
KRE	SPDR S&P Region.Banking	Specialty-Financial	8	5.67%	6.17%	4.93%	15.20% 1.30%	-18.01%
RWR	Wilshire REIT Fund	Real Estate	8	1.47%	1.79%	3.91%	22.94% 5.28%	-0.97%
PPLT	ETFS Physical Platinum Shares	Precious Metals	7	4.72%	-2.88%	7.38%	16.87% 8.18%	-22.39%
VOX	Vanguard Telecom Serv's	Communication Equitie	7	4.49%	0.53%	1.18%	20.56% 3.29%	-14.24%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	7	9.52%	9.36%	3.07%	5.60% -0.32%	-22.60%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	7	3.30%	-3.96%	-5.44%	33.48% 14.08%	-10.12%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	7	2.96%	-0.54%	1.34%	24.67% 6.14%	-1.04%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	7	3.92%	3.80%	5.71%	16.20% 4.17%	-6.51%
ICF	Cohen & Steers Realty	Real Estate	7	-0.01%	-0.34%	2.31%	25.14% 5.10%	-1.91%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	7	8.65%	4.83%	1.38%	11.31% 0.93%	-68.51%
BBH	VanEck Vectors Biotech	Health & Biotech	7	8.34%	3.27%	0.27%	14.17% 1.63%	-7.36%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	7	1.00%	-1.40%	1.12%	27.33% 4.11%	-4.77%
SIL	Global X Silver Miners	Commodity Producers	7	7.28%	-1.24%	1.95%	21.38% 13.05%	-43.33%
XLY	Consumer Discretionary Sec.	Consumer Discretionar	6	2.32%	-1.40%	1.21%	22.06% 3.20%	-2.92%
IYT	Dow Jones Transportation	Transportation Equities	6	5.84%	0.90%	1.56%	14.37% 0.68%	-9.48%

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FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	6	5.12%	1.32%	1.41%	16.93%	1.87%	-4.71%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	6	2.17%	1.15%	2.46%	19.12%	4.30%	-2.95%
FXO	1st Trust Financials AlphaDEX	Financial Equities	6	3.77%	1.40%	1.40%	18.29%	2.19%	-2.92%
IYC	iShares US Consumer Services	Consumer Discretionar	6	3.19%	-1.17%	1.19%	21.53%	3.31%	-3.09%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	6	4.76%	-2.63%	-7.74%	29.75%	13.75%	-24.16%
IFGL	iShares FTSE EPRA/NAREIT Global Real Estate	Global Real Estate	6	3.31%	2.72%	4.37%	13.13%	2.51%	-3.56%
IGV	iShares North American Tech-Software	Technology Equities	6	2.29%	-2.21%	-1.75%	23.86%	0.65%	-6.57%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	6	11.11%	5.73%	0.14%	6.82%	3.51%	-12.57%
KIE	SPDR S&P Insurance	Specialty-Financial	6	1.18%	-0.06%	0.06%	21.25%	3.45%	-63.34%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	6	2.91%	-0.72%	1.11%	20.52%	2.85%	-2.86%
XLV	Health Care Select SPDR	Health & Biotech Equiti	6	6.77%	4.10%	3.79%	9.52%	4.30%	-1.17%
MOO	VanEck Vectors Agribusiness	Commodity Producers	6	4.19%	0.74%	0.47%	17.39%	3.95%	-1.04%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	6	1.27%	-0.20%	2.16%	18.81%	4.60%	-0.85%
XLP	Consumer Staples Select	Consumer Staples	6	1.17%	-0.13%	2.53%	20.44%	5.45%	-0.75%
IYH	Dow Jones US Healthcare	Specialty-Health	6	6.54%	3.59%	2.72%	9.67%	3.64%	-2.80%
IYZ	Down Jones US Telecom	Commun. Equities	6	5.26%	3.44%	2.48%	13.09%	1.34%	-18.45%
SLV	iShares Silver Trust	Precious Metals	6	2.98%	-2.81%	6.48%	16.53%	12.88%	-13.67%
VHT	Vanguard Health Care	Health & Biotech Equiti	5	6.32%	3.32%	2.29%	9.40%	3.11%	-2.87%
FXB	CurrencyShares British Pound	Currency	5	4.91%	5.01%	6.68%	1.55%	1.85%	-13.67%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	5	6.48%	1.61%	-3.74%	13.77%	-3.13%	-19.30%
IAU	iShares Gold Trust	Precious Metals	5	0.35%	-0.48%	0.49%	17.66%	9.11%	-2.82%
VAW	Vanguard Materials VIPERS	Materials	5	4.07%	2.59%	0.47%	14.48%	2.12%	-12.21%
USO	U.S. Oil Fund	Oil & Gas.	5	3.39%	-3.42%	3.10%	16.98%	-5.23%	-29.73%
XLB	Materials Select Sector	Materials	5	3.89%	2.05%	0.00%	15.18%	2.84%	-9.21%
SGOL	ETFS Physical Swiss Gold Shares	Precious Metals	5	0.40%	-0.49%	0.52%	17.71%	9.09%	-2.87%
RHS	Guggenheim S&P 500 = Wt. Consum Staples	Consumer Staples	5	0.81%	-0.11%	1.79%	19.12%	3.75%	-1.18%
XRT	SPDR S&P Retail	Consumer Discretionar	5	4.94%	5.06%	4.91%	5.27%	0.47%	-17.81%
GSG	iShares GSCI Commodity Index	Commodities.	4	2.57%	0.86%	3.34%	8.20%	-2.36%	-18.96%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	4	0.96%	-0.31%	2.06%	12.58%	2.69%	-7.64%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	4	4.89%	1.28%	-0.83%	11.24%	1.62%	-9.74%
GLD	SPDR Gold Shares	Precious Metals	4	0.37%	-0.50%	0.49%	17.47%	9.01%	-2.88%
IYM	Dow Jones US Basic Mat's	Materials	4	3.79%	2.09%	-0.38%	9.85%	0.63%	-14.64%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	4	5.23%	2.88%	2.55%	6.43%	-1.37%	-17.28%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	4	5.16%	3.71%	1.80%	3.70%	-0.49%	-13.90%
DBC	PowerShares DB Commodity Index	Commodities	3	3.02%	1.66%	3.44%	5.80%	-1.45%	-17.31%
GUNR	FlexShares Global Upstream Natural Resources	Commodity Producers	3	3.73%	0.51%	-0.25%	7.21%	-1.86%	-11.38%
DJP	Bloomberg Commodity Index	Commodities	3	2.34%	2.16%	3.53%	4.90%	0.32%	-13.32%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	3	7.02%	5.68%	4.08%	-4.20%	-1.55%	-19.44%
FBT	1st Trust Biotechnolgy Index	Health & Biotech Equiti	2	5.45%	2.73%	-5.35%	4.57%	-5.10%	-18.39%
IXC	S&P Global Energy	Energy Equities	2	2.44%	1.54%	1.04%	3.03%	-5.23%	-23.23%
FTGC	First Trust Global Tactical Commodity Strategy	Commodities	2	1.76%	2.10%	2.61%	3.12%	0.21%	-15.69%
IGE	iShares North American Natural Resources	Commodity Producers	1	2.03%	-0.76%	-1.14%	5.56%	-4.59%	-24.58%
UUP	PowerShares DB US Dollar Bullish	Currency	1	-1.45%	-0.67%	0.38%	4.48%	1.20%	-1.88%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	1	0.38%	6.84%	1.66%	-5.90%	-1.54%	-30.57%

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XME	SPDR S&P Metals & Mining	Commodity Producers	1	4.99%	1.78%	-1.72%	0.46%	-5.22%	-32.83%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	1	3.40%	2.15%	1.30%	-1.63%	-6.82%	-35.23%
XLE	Energy Select Sector	Energy Equities	0	1.65%	-1.29%	-3.01%	1.06%	-7.10%	-26.55%
UNG	U.S. Natural Gas Fund	Oil & Gas	0	4.05%	-1.56%	12.91%	-15.78%	-3.29%	-76.44%
FXE	CurrencyShares Euro Currency Trust	Currency	0	1.56%	0.92%	-0.49%	-3.30%	-0.71%	-12.12%
VDE	Vanguard Energy VIPERS	Energy Equities	-1	1.13%	-2.04%	-3.47%	-1.48%	-8.85%	-30.25%
IYE	Dow Jones US Energy	Specialty-Natural Res.	-1	1.34%	-1.49%	-3.03%	-0.42%	-8.00%	-28.55%
FXJ	CurrencyShares Japanese Yen Trust	Currency	-1	-1.06%	-0.95%	-1.96%	1.04%	0.65%	-8.97%
FXN	1st Trust Energy AlphaDEX	Energy Equities	-7	-0.53%	-3.29%	-4.47%	-18.25%	-16.75%	-48.24%
XOP	SPDR Oil & Gas Explor & Product	Energy Equities	-8	-0.71%	-5.25%	-6.13%	-20.39%	-20.18%	-52.61%
OIH	Oil Services HOLDRs	Energy Equities	-10	-1.24%	-8.55%	-9.36%	-20.67%	-23.34%	-68.28%
XES	SPDR Oil & Gas Equip./Services	Energy Equities	-14	-2.76%	-11.73%	-14.32%	-25.64%	-28.94%	-71.75%