## ETF Playbook

## **U.S.** Sectors

Launch playbook beta trackers in terminal >>

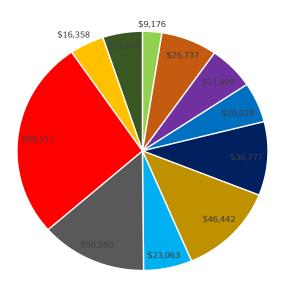
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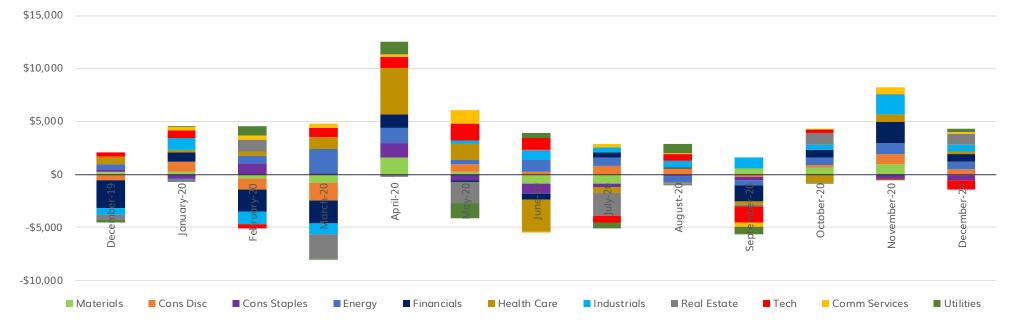
#### Sector Landscape

U.S. Sector AUM



	# of ETFs	AUM	1 Wk Flows	3 Mo Flows	6 Mo Flows	1 Yr Flows	
		(MM)	(MM)	(MM)	(MM)	(MM)	
Materials	10	\$9,176	\$192	\$1,759	\$180	\$1,579	
Cons Disc	12	\$26,737	\$635	\$1,619	\$2,856	\$1,706	
Cons Staples	11	\$21,809	-\$56	-\$1,367	-\$2,250	-\$1,297	
Energy	12	\$20,029	\$504	\$2,751	\$2,833	\$8,407	
Financials	13	\$36,777	\$788	\$2,424	\$264	-\$3,164	
Health Care	11	\$46,442	\$357	\$179	-\$3,450	\$4,590	
Industrials	12	\$23,063	\$527	\$3,582	\$4,883	\$5,177	
Real Estate	22	\$50,550	\$891	\$2,140	-\$455	-\$3,350	
Technology	14	\$99,317	-\$391	-\$1,785	-\$1,487	\$2,943	
Comm Services	8	\$16,358	-\$20	\$600	\$606	\$3,367	
Utilities	12	\$18,842	\$289	-\$63	-\$119	\$570	

#### TTM Flows by Sector (millions of \$)



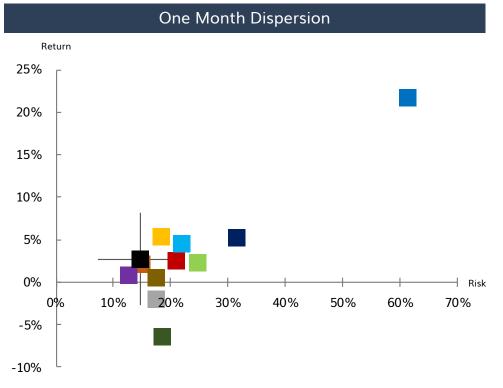
\*Sector landscape data is represented by US Sector ETFs with a broad-based designation and do not utilize leverage



## Sector Dynamics

	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	MTD
	XLE 6.02%	XLU 6.74%	XLC -5.84%	XLV -3.86%	XLE 30.76%	XLC 7.43%	XLK 6.94%	XLU 7.79%	XLK 11.88%	XLB 1.52%	XLU 5.05%	XLE 27.99%	XLE 11.86%
dr	XLK 4.31%	XLK 3.99%	XLRE -6.21%	XLP -5.51%	XLY 18.88%	XLK 7.17%	XLY 3.07%	XLC 7.56%	XLY 9.55%	XLU 1.08%	XLC -0.33%	XLF 16.84%	XLC 2.35%
eatmap	XLV 3.47%	XLRE 1.44%	XLV -6.58%	XLK -8.57%	XLB 15.18%	XLB 6.88%	XLB 2.17%	XLY 7.27%	XLC 8.82%	XLI -0.66%	XLB -0.72%	XLI 16.02%	XLF 2.08%
eat	XLU 3.28%	XLC 0.52%	XLK -7.3%	XLU -9.94%	XLK 13.73%	XLY 6.5%	XLI 1.97%	XLB 7.11%	XLI 8.47%	XLP -1.67%	XLF -0.87%	XLB 12.36%	XLV 1.76%
Ĩ	SPY 2.9%	XLP 0.31%	XLY -7.57%	SPY -12.46%	XLC 13.65%	XLI 5.38%	SPY 1.77%	XLP 6.92%	SPY 6.97%	XLY -1.86%	XLI -1.44%	XLK 11.38%	SPY 1.17%
nce	XLB 2.85%	SPY -0.04%	SPY -7.91%	XLC -12.6%	SPY 12.69%	SPY 4.76%	XLRE 1.23%	SPY 5.88%	XLP 4.59%	XLRE -2.1%	SPY -2.49%	SPY 10.87%	XLI 0.84%
nar	XLY 2.76%	XLY -0.07%	XLP -8.21%	XLB -13.96%	XLV 12.58%	XLU 4.24%	XLC 0.23%	XLK 5.68%	XLB 4.35%	XLV -2.17%	XLY -2.72%	XLC 10.47%	XLK 0.66%
erforma	XLF 2.6%	XLI -0.44%	XLB -8.51%	XLY -14.91%	XLF 9.46%	XLV 3.28%	XLP -0.22%	XLV 5.45%	XLF 4.28%	XLF -3.4%	XLP -2.87%	XLY 9.99%	XLP 0.61%
erf	XLP 2.4%	XLF -2.66%	XLU -9.85%	XLRE -15.06%	XLRE 9.41%	XLF 2.72%	XLF -0.52%	XLI 4.41%	XLV 2.58%	SPY -3.73%	XLRE -3.17%	XLV 7.94%	XLB -0.12%
م	XLC 2.25%	XLV -2.67%	XLI -9.9%	XLI -18.59%	XLI 8.81%	XLRE 2.15%	XLE -1.1%	XLRE 4.16%	XLRE -0.02%	XLK -5.33%	XLV -3.62%	XLP 7.46%	XLY -0.61%
	XLRE 1.13%	XLB -6.17%	XLF -11.24%	XLF -20.99%	XLP 6.95%	XLE 2%	XLV -2.44%	XLF 3.84%	XLE -1.05%	XLC -5.9%	XLE -4.1%	XLRE 6.88%	XLRE -0.63%
	XLI -0.2%	XLE -10.99%	XLE -15.28%	XLE -34.26%	XLU 3.33%	XLP 1.66%	XLU -4.68%	XLE -4.8%	XLU -2.59%	XLE -14.56%	XLK -5%	XLU 0.73%	XLU -0.95%

Performance										
	Beta Tracker	1 Wk	1 Mo	3 Mo	6 Mo	YTD	1 Yr			
S&P 500	SPY	-0.96%	2.70%	10.10%	22.89%	15.48%	18.79%			
Technology	XLK	-1.38%	2.51%	10.28%	27.28%	36.98%	43.22%			
Communication Services	XLC	-0.06%	5.37%	12.22%	25.29%	25.69%	28.38%			
Consumer Discretionary	XLY	-1.09%	2.12%	7.23%	26.50%	25.78%	29.75%			
Materials	XLB	-1.23%	2.31%	9.49%	32.68%	17.45%	20.75%			
Industrials	XLI	-0.49%	4.60%	14.84%	32.61%	10.78%	11.68%			
Energy	XLE	1.21%	21.73%	28.20%	9.04%	-27.77%	-24.41%			
Financials	XLF	-1.79%	5.25%	15.83%	24.53%	-5.58%	-3.37%			
Healthcare	XLV	-0.76%	0.49%	7.21%	16.13%	11.12%	14.37%			
Utilities	XLU	-0.27%	-6.42%	6.53%	7.61%	-1.01%	2.08%			
Consumer Staples	XLP	-0.46%	0.79%	4.75%	17.45%	9.01%	10.55%			
Real Estate	XLRE	-2.84%	-2.11%	2.66%	6.75%	-4.14%	-1.42%			



\*30 day volatility annualized



-Sector Price -50 DMA -100 DMA -200 DMA

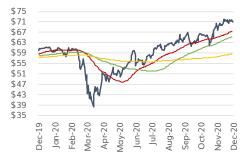




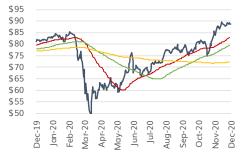




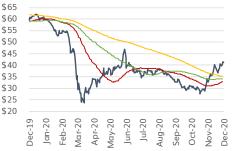




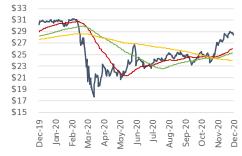
Industrials



Energy



Financials









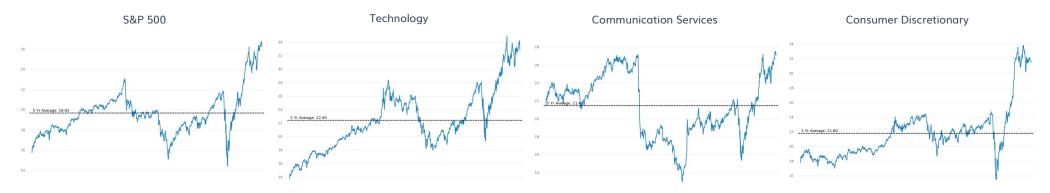


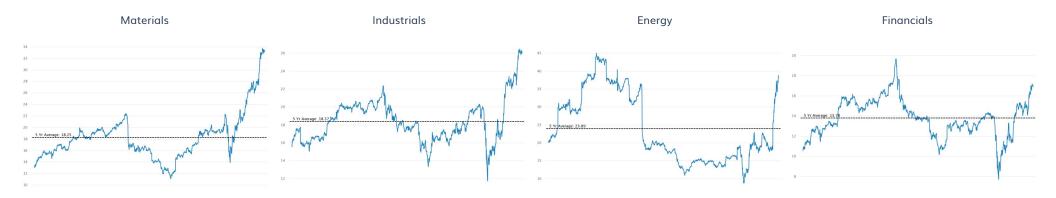
Real Estate

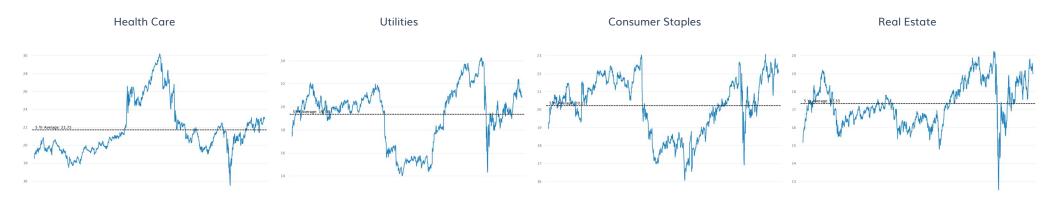




## Sector TTM Price to Earnings Charts



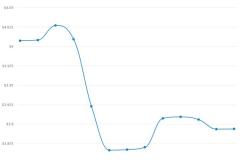




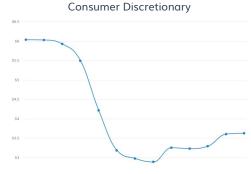


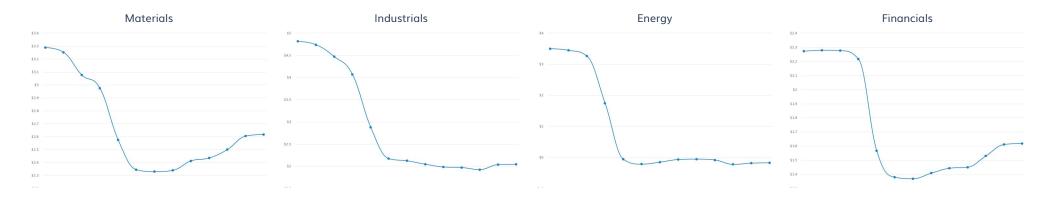
## U.S. Sector 2020E Earnings Trends

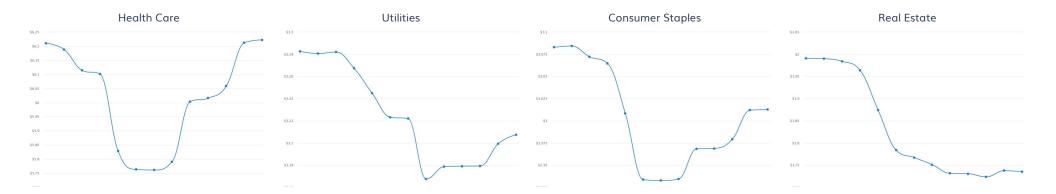
# S&P 500 Technology











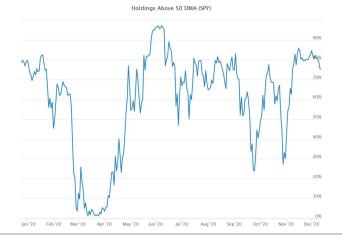


50 Day Bollinger Bands (SPY)



14 Day RSI (SPY) Oversold Jan '20 Feb '20 Mar '20 Apr '20 May '20 Jun '20 Jul '20 Aug '20 Sep '20 Oct '20 Nov '20 Dec '20

14 Day RSI (XLK)











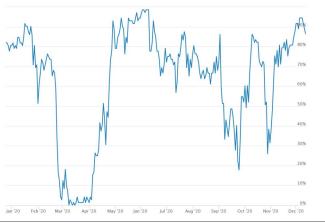


Jul '20

14 Day RSI (XLC)

Aug '20 Sep '20 Oct '20 Nov '20 Dec '20







50 Day Bollinger Bands (XLK)

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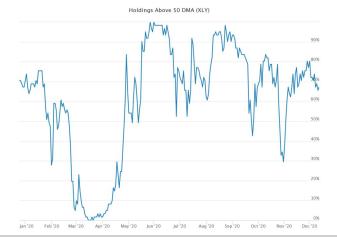


50 Day Bollinger Bands (XLY)

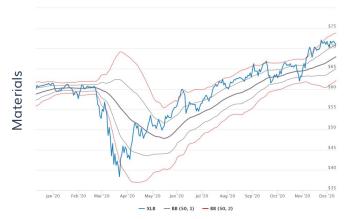


14 Day RSI (XLY)

14 Day RSI (XLB)

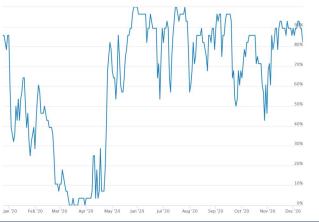


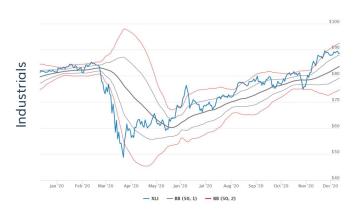
50 Day Bollinger Bands (XLB)



50 Day Bollinger Bands (XLI)



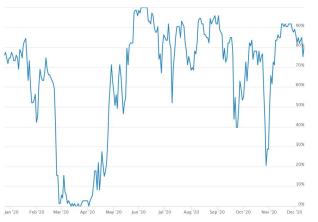






14 Day RSI (XLI)

Holdings Above 50 DMA (XLI)



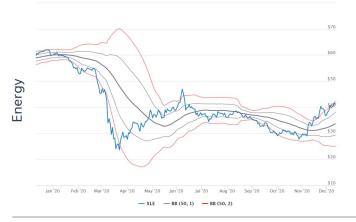
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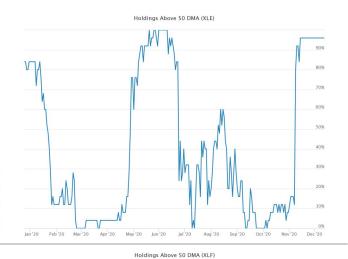
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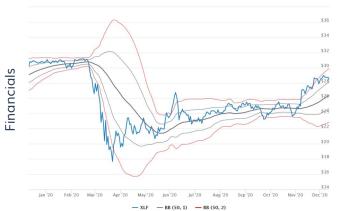
50 Day Bollinger Bands (XLE)



14 Day RSI (XLE) Overbought M wersol Jan '20 Feb '20 Mar '20 Apr '20 May '20 Jun '20 Jul '20 Aug '20 Sep '20 Oct '20 Nov '20 Dec '20



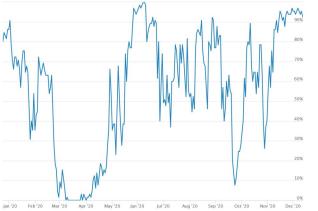
50 Day Bollinger Bands (XLF)



Overbough WM Oversold Jan '20 Feb '20 Mar '20 Apr '20 May '20 Jun '20 Jul '20 Aug '20 Sep '20 Oct '20 Nov '20 Dec '20

14 Day RSI (XLF)





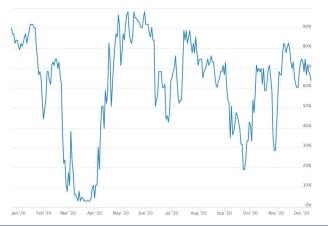
50 Day Bollinger Bands (XLV)





14 Day RSI (XLV)

Holdings Above 50 DMA (XLV)



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14 Day RSI (XLU)



50 Day Bollinger Bands (XLP)

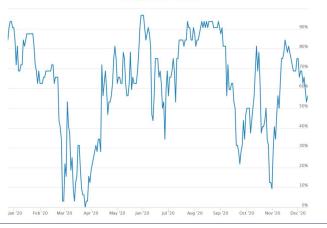
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Aug '20 Sep '20 Oct '20 Nov '20 Dec '20







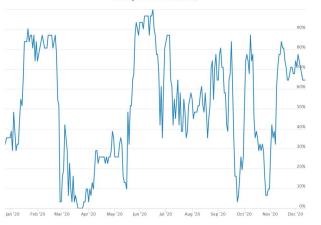


- XLP - BB (50, 1) - BB (50, 2)

Jan '20 Feb '20 Mar '20 Apr '20 May '20 Jun '20 Jul '20

14 Day RSI (XLRE)

Holdings Above 50 DMA (XLRE)



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