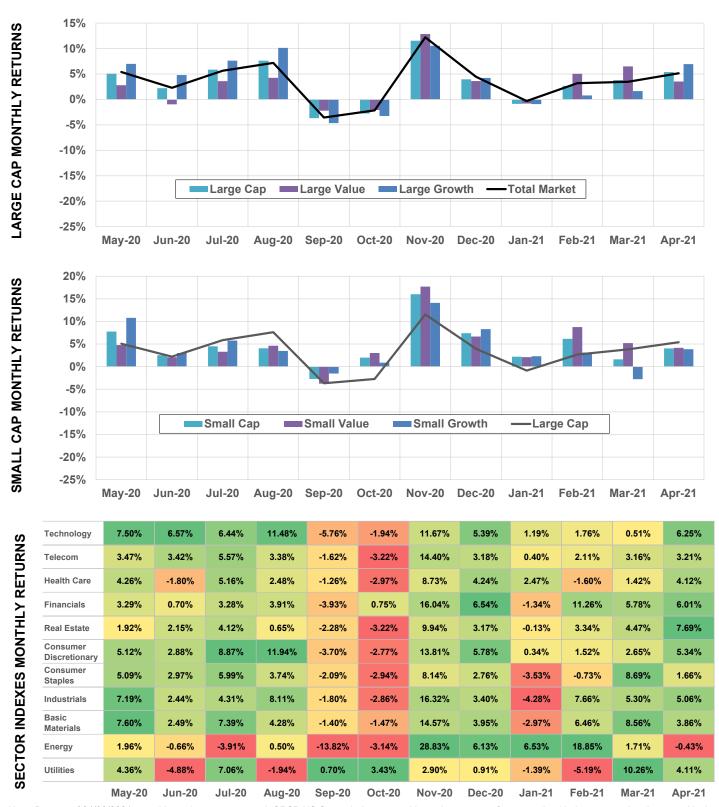






U.S. MARKET FOR THE PAST 12 MONTHS

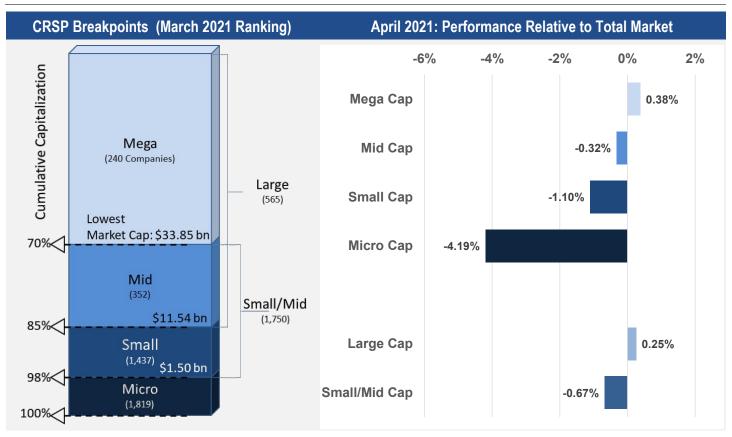


Note: Data as of 04/30/2021; monthly total returns are used; CRSP US Sector Indexes monthly total returns are for constrained indexes, meaning that securities' weights within sector indexes are adjusted to comply with IRS Regulated Investment Company rules; CRSP U.S. Sector Indexes based on Enhanced FTSE ICB® (EICB) methodology are used for returns after 6/30/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used for returns prior to 6/30/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our **white paper** and **public announcement**.

CRSP U.S. INDEXES PERFORMANCE

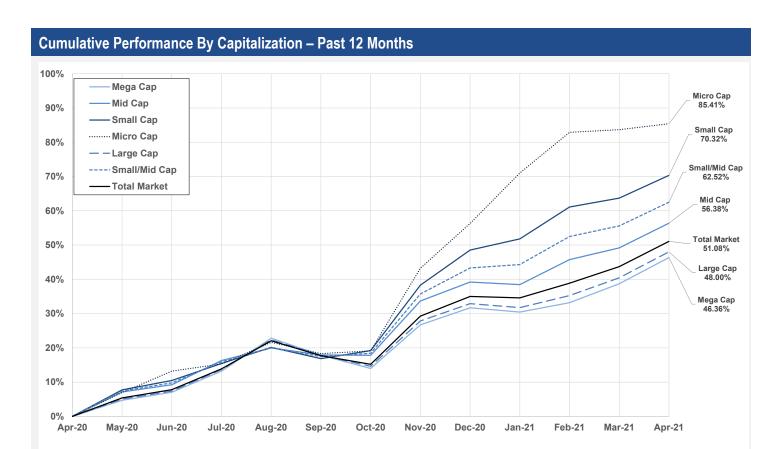
			Float-Adjusted	Return for						
Category	Index Name	Count	Market Cap (\$M)	1 Month	3 Months	YTD	1 Year	3 Years	5 Years	
Total Market	CRSP U.S. Total Market	3,725	\$42,807,823	5.14%	12.26%	11.90%	51.08%	18.96%	17.69%	
	CRSP U.S. Mega Cap	241	\$30,027,250	5.52%	12.20%	11.15%	46.36%	19.84%	18.31%	
	CRSP U.S. Mid Cap	353	\$6,614,544	4.82%	12.94%	12.35%	56.38%	16.54%	15.58%	
	CRSP U.S. Small Cap	1,442	\$5,466,002	4.04%	12.21%	14.66%	70.32%	16.34%	16.10%	
Сар	CRSP U.S. Micro Cap	1,811	\$700,027	0.95%	8.42%	18.63%	85.41%	16.76%	17.97%	
	CRSP U.S. Large Cap	567	\$36,641,794	5.39%	12.33%	11.36%	48.00%	19.32%	17.88%	
	CRSP U.S. Small Mid Cap	1,756	\$12,080,546	4.47%	12.61%	13.40%	62.52%	16.46%	15.84%	
	CRSP U.S. Mega Value	141	\$13,122,423	3.22%	14.72%	13.70%	38.32%	12.80%	13.21%	
	CRSP U.S. Mid Value	193	\$3,314,525	4.61%	19.16%	18.96%	57.60%	11.35%	12.46%	
Value	CRSP U.S. Small Value	922	\$3,147,715	4.17%	19.20%	21.71%	75.03%	12.14%	12.87%	
	CRSP U.S. Large Value	326	\$16,355,601	3.53%	15.83%	14.91%	41.52%	12.54%	13.18%	
	CRSP U.S. Small Mid Value	1111	\$6,415,269	4.37%	18.90%	20.04%	65.61%	11.47%	12.42%	
	CRSP U.S. Mega Growth	110	\$16,904,826	7.38%	10.15%	9.07%	52.99%	26.52%	23.29%	
	CRSP U.S. Mid Growth	174	\$3,300,020	5.04%	7.26%	6.35%	54.47%	21.52%	18.54%	
Growth	CRSP U.S. Small Growth	634	\$2,318,286	3.86%	4.13%	6.52%	63.30%	20.81%	19.64%	
Growth										
	CRSP U.S. Large Growth	270	\$20,286,193	6.95%	9.56%	8.55%	53.29%	25.81%	22.46%	
	CRSP U.S. Small Mid Growth	782	\$5,665,277	4.57%	6.30%	6.76%	58.37%	21.49%	19.30%	

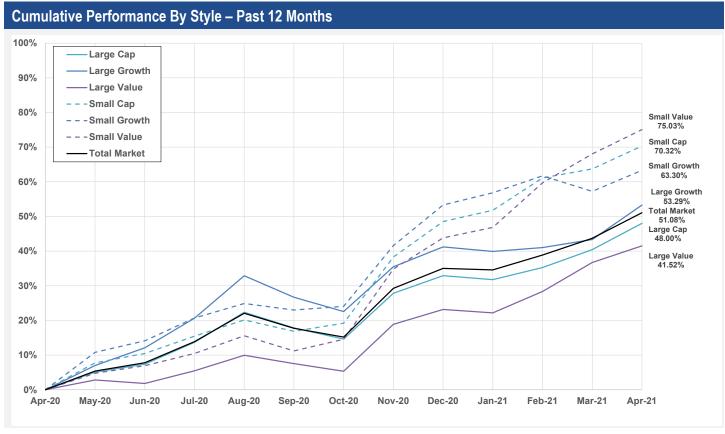
Note: Data as of 04/30/2021; returns computation is based on total returns; data for 1-, 3-, and 5-years is annualized; counts may not add up due to banding and migration, see appendix



Note: Data for lowest market capitalization is based on 02/26/2021 **random price date**; company counts as of 04/30/2021; counts may not add up due to banding and migration, see appendix

Note: Data as of 04/30/2021; returns computation is based on total returns



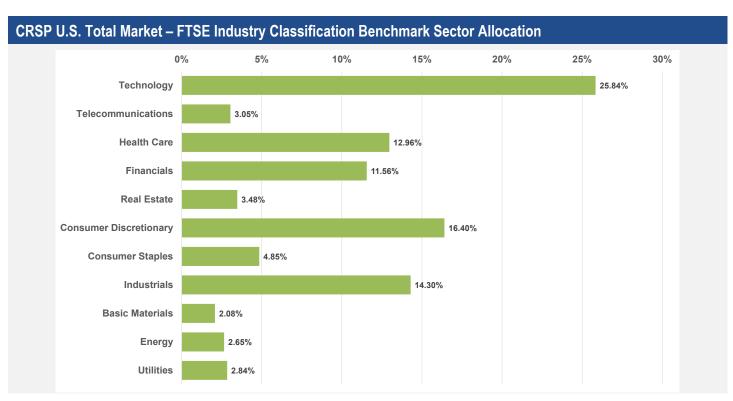


Note: Data as of 04/30/2021; returns computation is based on total returns

CRSP U.S. SECTORS PERFORMANCE

CRSP	U.S. Sector Indexes Perform	ance								
			Float-Adjusted	Return for						
Category	Index Name	Count	Market Cap (\$M)	1 Month	3 Months	YTD	1 Year	3 Years	5 Years	
Total Market	CRSP U.S. Total Market	3,725	\$42,807,823	5.14%	12.26%	11.90%	51.08%	18.96%	17.69%	
	CRSP U.S. Technology CRSP U.S. Technology U	397	\$1,102,521 \$11,066,725	6.25%	8.66%	9.96%	62.57%	32.14%	31.25%	
	CRSP U.S. Telecommunications CRSP U.S. Telecommunications U	85	\$87,969 \$1,328,957	3.21%	8.71%	9.14%	43.25%	15.61%	10.24%	
	CRSP U.S. Health Care CRSP U.S. Health Care U	828	\$5,548,954 \$5,548,954	4.12%	3.91%	6.48%	27.56%	17.46%	15.31%	
	CRSP U.S. Financials CRSP U.S. Financials U	635	\$4,992,810 \$4,992,810	6.01%	24.76%	23.09%	64.40%	15.62%	16.85%	
	CRSP U.S. Real Estate CRSP U.S. Real Estate U	210	\$1,486,167 \$1,486,167	7.69%	16.26%	16.10%	35.90%	14.77%	9.84%	
Sector Indexes	CRSP U.S. Consumer Discretionary CRSP U.S. Consumer Discretionary U	535	\$7,050,310 \$7,050,310	5.34%	9.78%	10.16%	63.66%	23.72%	20.29%	
	CRSP U.S. Consumer Staples CRSP U.S. Consumer Staples U	138	\$2,080,721 \$2,080,721	1.66%	9.69%	5.82%	32.94%	13.49%	9.60%	
	CRSP U.S. Industrials CRSP U.S. Industrials U	525	\$6,008,027 \$6,008,027	5.06%	19.10%	14.01%	61.98%	18.47%	17.82%	
	CRSP U.S. Basic Materials CRSP U.S. Basic Materials U	122	\$266,437 \$893,687	3.86%	20.03%	16.47%	66.40%	12.75%	13.14%	
	CRSP U.S. Energy CRSP U.S. Energy U	161	\$1,134,846 \$1,134,846	-0.43%	20.36%	28.22%	43.13%	-8.21%	-2.60%	
	CRSP U.S. Utilities CRSP U.S. Utilities U	89	\$1,216,618 \$1,216,618	4.11%	8.84%	7.32%	20.97%	12.57%	10.69%	

Note: Data as of 04/30/2021; returns computation is based on total returns; data for 1-, 3-, and 5-years is annualized. CRSP US Sector Indexes total returns are for constrained indexes, meaning that securities' weights within sector indexes are adjusted to comply with IRS Regulated Investment Company rules. Sector indexes with "U" at the end of the name are not constrained to comply with IRS RIC rules. CRSP U.S. Sector Indexes based on Enhanced FTSE ICB® (EICB) methodology are used for returns after 6/30/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used for returns prior to 6/30/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our white paper and public announcement.



Note: Data as of 04/30/2021; Sector weights are computed using company's assignment to the industry as defined by Enhanced FTSE ICB®

CRSP U.S. INDEXES LINKED ASSET VALUES

Index	Index Name (TR - Total Return, PR - Price Only Return)	Index Identifier	NASDAQ GIDS Post Date	Linked As	set Values (\$M) Mutual Fund	as of 4/30/2 Total
	CRSP US Total Market Index (TR)	CRSPTMT	12/31/2012	\$239,931	widtual i dild	
Total Market	CRSP US Total Market Index (PR)	CRSPTM1	1/18/2011	, ,	\$1,065,801	\$1,305,732
CRSP Australian Hedged	CRSP US Total Market Index (AUD-hedged) (TR)	CRSPTAHT	7/1/2015			
	CRSP US Total Market Index (AUD-hedged) (PR)	CRSPTAH1	7/1/2015			
CRSP Australian Non-Hedged	CRSP US Total Market Total Return Index AUD (TR)	CRSPTMAT	7/1/2015			
	CRSP US Total Market Total Return Index AUD (PR) CRSP US Total Market Index (CAD-hedged) (TR)	CRSPTMA1 CRSPTCHT	7/1/2015 12/31/2012	\$802		
CRSP Canadian Hedged	CRSP US Total Market Index (CAD-hedged) (TR) CRSP US Total Market Index (CAD-hedged) (PR)	CRSPTCH1	12/31/2012	\$00 ∠		\$802
	CRSP US Total Market Total Return Index CAD (TR)	CRSPTMCT	4/15/2013	\$3,157		
CRSP Canadian Non-Hedged	CRSP US Total Market Total Return Index CAD (PR)	CRSPTMC1	4/15/2013	7-,		\$3,157
Maga Can	CRSP US Mega Cap Index (TR)	CRSPMET	12/31/2012	\$3,873		¢4.050
Иеда Сар ————————————————————————————————————	CRSP US Mega Cap Index (PR)	CRSPME1	8/15/2011		\$184	\$4,058
Mega Cap Growth	CRSP US Mega Cap Growth Index (TR)	CRSPMEGT	12/31/2012	\$10,679		\$10,711
nega cap crown	CRSP US Mega Cap Growth Index (PR)	CRSPMEG1	10/1/2012	*	\$32	Ψ10,711
Mega Cap Value	CRSP US Mega Cap Value Index (TR)	CRSPMEVT	12/31/2012	\$4,310	0440	\$4,451
	CRSP US Mega Cap Value Index (PR)	CRSPMEV1	10/1/2012	602 724	\$140	
∟arge Cap Maga + Mid*	CRSP US Large Cap Index (TR) CRSP US Large Cap Index (PR)	CRSPLCT CRSPLC1	12/31/2012 8/15/2011	\$23,734	\$12,629	\$36,362
Mega + Mid)*	CRSP US Large Cap Growth Index (TR)	CRSPLCGT	12/31/2012	\$74,560	\$12,629	
_arge Cap Growth*	CRSP US Large Cap Growth Index (PR)	CRSPLCG1	10/1/2012	Ψ14,500	\$83,324	\$157,883
	CRSP US Large Cap Value Index (TR)	CRSPLCVT	12/31/2012	\$77,536	Ψ00,0 2 -	
.arge Cap Value*	CRSP US Large Cap Value Index (PR)	CRSPLCV1	10/1/2012	711,000	\$42,989	\$120,525
#1.0	CRSP US Mid Cap Index (TR)	CRSPMIT	12/31/2012	\$47,927		2452.040
Mid Cap	CRSP US Mid Cap Index (PR)	CRSPMI1	8/15/2011		\$104,315	\$152,242
Mid Cap Growth	CRSP US Mid Cap Growth Index (TR)	CRSPMIGT	12/31/2012	\$10,700		\$22,311
wild Cap Glowth	CRSP US Mid Cap Growth Index (PR)	CRSPMIG1	10/1/2012		\$11,611	Ψ22,311
Mid Cap Value	CRSP US Mid Cap Value Index (TR)	CRSPMIVT	12/31/2012	\$13,985		\$26,261
	CRSP US Mid Cap Value Index (PR)	CRSPMIV1	10/1/2012		\$12,276	,
Small-Mid Cap	CRSP US Small-Mid Cap Index (TR)	CRSPSMT	3/10/2014			
	CRSP US Small-Mid Cap Index (PR)	CRSPSM1	3/10/2014			
Small-Mid Cap Growth	CRSP US Small-Mid Cap Growth Index (TR) CRSP US Small-Mid Cap Growth Index (PR)	CRSPSMGT CRSPSMG1	3/10/2014 3/10/2014			
	CRSP US Small-Mid Cap Value Index (TR)	CRSPSMVT	3/10/2014			
Small-Mid Cap Value	CRSP US Small-Mid Cap Value Index (PR)	CRSPSMV1	3/10/2014			
	CRSP US Small Cap Index (TR)	CRSPSCT	12/31/2012	\$45,817		
Small Cap	CRSP US Small Cap Index (PR)	CRSPSC1	8/15/2011	+ 10,011	\$89,193	\$135,011
Small Can Crawth	CRSP US Small Cap Growth Index (TR)	CRSPSCGT	12/31/2012	\$15,778		£27.004
Small Cap Growth	CRSP US Small Cap Growth Index (PR)	CRSPSCG1	10/1/2012		\$21,516	\$37,294
Small Cap Value	CRSP US Small Cap Value Index (TR)	CRSPSCVT	12/31/2012	\$23,832		\$46,777
Sinan Sup Value	CRSP US Small Cap Value Index (PR)	CRSPSCV1	10/1/2012		\$22,946	\$10,111
Micro Cap Index	CRSP US Micro Cap Index (TR)	CRSPMCT	12/31/2012			
	CRSP US Micro Cap Index (PR)	CRSPMC1	8/15/2011			
Consumer Staples Sector	CRSP US Consumer Staples Index (TR) CRSP US Consumer Staples Index (PR)	CRSPCST	12/31/2012			
	CRSP US Consumer Discretionary Index (TR)	CRSPCS1 CRSPCDT	7/16/2012 12/31/2012			
Consumer Discretionary Sector	CRSP US Consumer Discretionary Index (TR)	CRSPCD1	7/16/2012			
_	CRSP US Energy Index (TR)	CRSPENT	12/31/2012			
Energy Sector	CRSP US Energy Index (PR)	CRSPEN1	7/16/2012			
Eineneigle Coeta	CRSP US Financials Index (TR)	CRSPFNT	12/31/2012			
Financials Sector	CRSP US Financials Index (PR)	CRSPFN1	7/16/2012			
Health Care Sector	CRSP US Health Care Index (TR)	CRSPHCT	12/31/2012			
Tourist Care Occion	CRSP US Health Care Index (PR)	CRSPHC1	7/16/2012			
ndustrials Sector	CRSP US Industrials Index (TR)	CRSPIDT	12/31/2012			
	CRSP US Industrials Index (PR)	CRSPID1	7/16/2012			
Technology Sector	CRSP US Technology Index (TR) CRSP US Technology Index (PR)	CRSPITT	12/31/2012			
	CRSP US Technology Index (PR) CRSP US Basic Materials Index (TR)	CRSPIT1 CRSPMTT	7/16/2012 12/31/2012			
Basic Materials Sector	CRSP US Basic Materials Index (TR) CRSP US Basic Materials Index (PR)	CRSPMT1	7/16/2012			
	CRSP US Telecommunications Index (TR)	CRSPTET	12/31/2012			
Telecommunications Sector	CRSP US Telecommunications Index (TR)	CRSPTE1	7/16/2012			
	CRSP US Utilities Index (TR)	CRSPUTT	12/31/2012			
Jtilities Sector	CRSP US Utilities Index (PR)	CRSPUT1	7/16/2012			
Paul Fatata Inday Overton	CRSP US Real Estate Index (TR)	CRSPRET	12/31/2012			
Real Estate Index Sector	CRSP US Real Estate Index (PR)	CRSPRE1	8/15/2011			
Small Cap ex-Real Estate	CRSP US Small Cap ex-REIT Index (TR)	CRSPSXT	12/31/2012			
man Gap ex-iteal Estate	CRSP US Small Cap ex-REIT Index (PR)	CRSPSX1	10/1/2012			

Note: Data as of 04/30/2021; Linked assets values are in millions of USD

RECENT RESEARCH PAPERS USING CRSP DATA

- Paper: Stock Price Reactions to ESG News: The Role of ESG Ratings and Disagreement
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 - CRSP Databases Used: CRSP US Stock Databases, CRSP/Compustat Merged Database
 - o Authors: Aaron Yoon, George Serafeim
- Paper: ESG Didn't Immunize Stocks During the COVID-19 Crisis, But Investments in Intangible Assets Did
 - Summary: The paper presents some evidence that ESG offers no positive explanatory power relating ESG scores and share price resilience during the COVID crisis, once industry affiliation, market-based measures of risk, and accounting-based measures of performance, financial position, and intangibles investments have been controlled for.
 - CRSP Databases Used: CRSP US Stock Databases, CRSP/Compustat Merged Database
 - o Authors: Elizabeth Demers, Jurian Hendrikse, Philip Joos, Baruch Lev
- Paper: Echo Chambers
 - Summary: The paper finds evidence of selective exposure to confirmatory information among users on the investor social network.
 - CRSP Databases Used: CRSP US Stock Databases, CRSP US Indexes
 - o Authors: Anthony Cookson, Joseph Engelberg, William Mullins
- Paper: How Do Institutional Investors React to Geographically Dispersed Information Shocks? A Test
 Using the COVID-19 Pandemic
 - Summary: The paper tests how institutional investors respond to geographically dispersed information shocks during periods of market turmoil.
 - CRSP Databases Used: CRSP US Stock Databases, CRSP/Compustat Merged Database
 - o Author: David Ling, Chongyu Wang, Tingyu Zhou

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APPENDIX - CRSP U.S. INDEXES DESCRIPTIVE INFORMATION

Category	Index Name	Count	Float-Adjusted Market Cap (\$M)	Largest Company (\$M)	Smallest Company (\$M)	Median Company (\$M)	Average Company (\$M)	Largest Company Weight (%)
otal Market	CRSP U.S. Total Market	3,725	\$42,807,823	\$1,986,267	\$3	\$1,083	\$11,492	4.64%
Сар	CRSP U.S. Mega Cap	241	\$30,027,250	\$1,986,267	\$2,525	\$65,833	\$124,594	6.61%
	CRSP U.S. Mid Cap	353	\$6,614,544	\$46,898	\$896	\$18,029	\$18,738	0.71%
	CRSP U.S. Small Cap	1,442	\$5,466,002	\$18,011	\$59	\$2,900	\$3,791	0.33%
	CRSP U.S. Micro Cap	1,811	\$700,027	\$3,040	\$3	\$209	\$387	0.43%
	CRSP U.S. Large Cap	567	\$36,641,794	\$1,986,267	\$896	\$27,663	\$64,624	5.42%
	CRSP U.S. Small Mid Cap	1,756	\$12,080,546	\$46,898	\$59	\$3,626	\$6,880	0.39%
	CRSP U.S. Mega Value	141	\$13,122,423	\$505,380	\$2,590	\$63,834	\$93,067	3.85%
	CRSP U.S. Mid Value	193	\$3,314,525	\$37,880	\$1,213	\$16,964	\$17,174	1.14%
Value	CRSP U.S. Small Value	922	\$3,147,715	\$17,014	\$30	\$2,470	\$3,414	0.54%
	CRSP U.S. Large Value	326	\$16,355,601	\$505,380	\$1,213	\$25,239	\$50,171	3.09%
	CRSP U.S. Small Mid Value	1,111	\$6,415,269	\$37,880	\$30	\$3,136	\$5,774	0.59%
Growth	CRSP U.S. Mega Growth	110	\$16,904,826	\$1,986,267	\$2,525	\$65,237	\$153,680	11.75%
	CRSP U.S. Mid Growth	174	\$3,300,020	\$46,898	\$896	\$18,634	\$18,966	1.42%
	CRSP U.S. Small Growth	634	\$2,318,286	\$17,767	\$30	\$2,737	\$3,657	0.77%
	CRSP U.S. Large Growth	270	\$20,286,193	\$1,986,267	\$896	\$26,585	\$75,134	9.79%
	CRSP U.S. Small Mid Growth	782	\$5,665,277	\$46,898	\$30	\$3,626	\$7,245	0.83%
	CRSP U.S. Technology	397	\$1,102,521	\$189,591	\$7	\$343	\$2,777	17.20%
	CRSP U.S. Technology U		\$11,066,725	\$1,986,267	\$7	\$2,274	\$27,876	17.95%
	CRSP U.S. Telecommunications	85	\$87,969	\$14,503	\$14	\$343	\$1,035	16.49%
	CRSP U.S. Telecommunications U		\$1,328,957	\$256,674	\$14	\$692	\$15,635	19.31%
	CRSP U.S. Health Care	828	\$5,548,954	\$427,765	\$4	\$448	\$6,702	7.71%
	CRSP U.S. Health Care U		\$5,548,954	\$427,765	\$4	\$448	\$6,702	7.71%
	CRSP U.S. Financials	635	\$4,992,810	\$505,380	\$8	\$826	\$7,863	10.12%
	CRSP U.S. Financials U	040	\$4,992,810	\$505,380	\$8	\$826	\$7,863	10.12%
	CRSP U.S. Real Estate	210	\$1,486,167	\$113,172	\$3	\$2,193	\$7,077	7.62%
Sector	CRSP U.S. Real Estate U	535	\$1,486,167	\$113,172	\$3 \$4	\$2,193	\$7,077	7.62% 21.05%
Indexes	CRSP U.S. Consumer Discretionary CRSP U.S. Consumer Discretionary U	535	\$7,050,310 \$7,050,310	\$1,484,160 \$1,484,160	\$4 \$4	\$1,418 \$1,418	\$13,178 \$13,178	21.05%
indexes	CRSP U.S. Consumer Staples	138	\$2,080,721	\$328,544	\$9	\$1,619	\$15,176 \$15,078	15.79%
	CRSP U.S. Consumer Staples U	130	\$2,080,721	\$328,544	\$9	\$1,619	\$15,078 \$15,078	15.79%
	CRSP U.S. Industrials	525	\$6,008,027	\$396,144	φ9 \$6	\$1,775	\$11,444	6.59%
	CRSP U.S. Industrials U	323	\$6,008,027	\$396,144	\$6	\$1,775 \$1,775	\$11, 444 \$11,444	6.59%
	CRSP U.S. Basic Materials	122	\$266,437	\$44,569	\$1 9	\$569	\$2,184	16.73%
	CRSP U.S. Basic Materials U	144	\$893,687	\$149,472	\$19	\$1,862	\$7,325	16.73%
	CRSP U.S. Energy	161	\$1,134,846	\$242,024	\$11	\$643	\$7,049	21.33%
	CRSP U.S. Energy U		\$1,134,846	\$242,024	\$11	\$643	\$7,049	21.33%
	CRSP U.S. Utilities	89	\$1,216,618	\$151,910	\$24	\$4,273	\$13,670	12.49%
	CRSP U.S. Utilities U		\$1,216,618	\$151,910	\$24	\$4,273	\$13,670	12.49%

Note: Data as of 04/30/2021; counts may not add up due to banding and migration, see appendix; CRSP U.S. Sector Indexes are constrained indexes, meaning that securities' weights within sector indexes are adjusted to comply with IRS Regulated Investment Company (RIC) rules. Sector indexes with "U" at the end of the name are not constrained to comply with IRS RIC rules. CRSP U.S. Sector Indexes based on Enhanced FTSE ICB® (EICB) methodology are used after 6/30/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used prior to 6/30/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our white paper and public announcement

APPENDIX - DEFINITIONS

Count: Number of companies contained within the index. A single company may have multiple securities associated with it. Counts for individual cap indexes may not add up to counts for the combined cap index due to banding and migration. For example, number of companies in Mega Cap Index plus number of companies in Mid Cap Index may not add up to number of companies in Large Cap. For more information regarding banding and migration please refer to the **CRSP Methodology**

Float-Adjusted Market Cap: represents the float-adjusted market capitalization of a company as described in the **CRSP Methodology**. For sector indexes that had to be constrained to comply with IRS Regulated Investment Company rules, it means that the company's float adjusted market cap may have been adjusted further per our methodology.

Median Company: Median float-adjusted market capitalization of a company included in the index

Average Company: Average float-adjusted market capitalization of a company included in the index

Returns: total index returns are used in computations, with 1-, 3- and 5-year returns annualized

About CRSP

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