## **CRSP MARKET INDEXES US MARKET UPDATE** JULY 2023



#### **ABOUT CRSP**



As an affiliate of The University of Chicago Booth School of Business, the Center for Research in Security Prices LLC (CRSP) has been driving financial innovation since its founding in 1960.

For over 60 years, CRSP has been the premier provider of the world's first and most comprehensive resource for historical security prices and returns information, offering scholars and market participants data of the highest integrity and transparency to ensure the strongest foundation for economic forecasting, stock market research and financial analysis conducted by academic organizations, investment banks, brokerage firms, corporations and government agencies.

CRSP data has led to the transformation of the world of finance, illuminating the benefits of investments in equities, providing understanding of factors such as value, size and momentum, exploring the benefits of passive investing vs. active management, and contributing to the ongoing improvement of investor outcomes and the development of the modern financial ecosystem and investment industry.

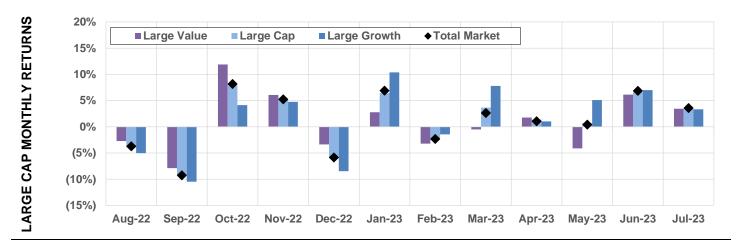
Today, more than 600 leading academic institutions in 35 countries rely on CRSP data for academic research and to support classroom instructions.

## **CRSP**<sup>°</sup> Research Products

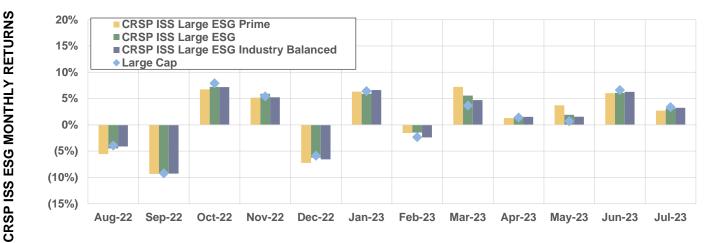
# **CRSP**<sup>®</sup> **MARKET INDEXES**

CRSP has been producing indexes since 1966, helping academics and practitioners understand and research the trends in the financial markets. Drawing on this expertise, in 2011 CRSP designed and launched the CRSP Market Indexes (CRSPMI) product line to provide a comprehensive suite of efficient, transparent and representative benchmarks covering the entire U.S. equity marketplace.

The CRSPMI products are anchored by the flagship CRSP Total Market Index (CRSPTM1), which provides investors with a consistently holistic and representative benchmark for the entire qualifying U.S. equity market. Building from this, the CRSPMI suite further expands to offer investors a wide selection of market capitalization indexes (Micro, Small, Mid, Large, Mega) supplemented with a broad offering of Value and Growth styles, Sectors, and ESG benchmarks.



#### **U.S. MARKET FOR THE PAST 12 MONTHS**



	Technology	(5.66%)	(12.18%)	4.61%	5.74%	(8.34%)	11.41%	0.66%	10.67%	(0.21%)	10.77%	6.16%	4.27%
	Telecom	(2.19%)	(13.71%)	11.54%	4.14%	(5.91%)	8.55%	(3.92%)	1.46%	(2.63%)	(2.42%)	4.99%	0.71%
	Health Care	(5.41%)	(3.08%)	8.82%	4.44%	(1.86%)	(0.75%)	(4.54%)	1.99%	3.22%	(3.85%)	4.18%	0.88%
	Financials	(2.03%)	(7.68%)	11.95%	6.19%	(5.70%)	7.17%	(2.00%)	(10.06%)	2.36%	(4.07%)	6.74%	6.93%
	Real Estate	(5.94%)	(12.62%)	3.82%	6.06%	(5.10%)	10.22%	(6.00%)	(2.12%)	0.52%	(3.82%)	5.74%	2.07%
	Consumer Discretionary	(3.44%)	(8.48%)	3.58%	2.19%	(10.46%)	14.87%	(2.60%)	2.25%	(0.72%)	0.85%	10.55%	2.98%
)	Consumer Staples	(0.89%)	(8.17%)	9.73%	5.62%	(2.16%)	(1.97%)	(2.38%)	3.35%	3.84%	(5.82%)	3.39%	2.13%
	Industrials	(3.89%)	(10.56%)	12.67%	6.65%	(3.97%)	6.43%	(1.74%)	0.05%	(0.50%)	(2.87%)	10.35%	3.09%
	Basic Materials	(2.88%)	(9.94%)	10.25%	10.79%	(5.36%)	11.41%	(2.64%)	(1.64%)	(1.42%)	(7.34%)	10.89%	3.94%
	Energy	3.65%	(9.43%)	23.07%	1.57%	(4.47%)	2.87%	(6.79%)	(0.85%)	1.60%	(8.93%)	7.22%	7.94%
	Utilities	0.66%	(10.42%)	2.33%	7.06%	(1.64%)	(1.36%)	(5.14%)	4.64%	1.69%	(5.22%)	2.16%	1.63%

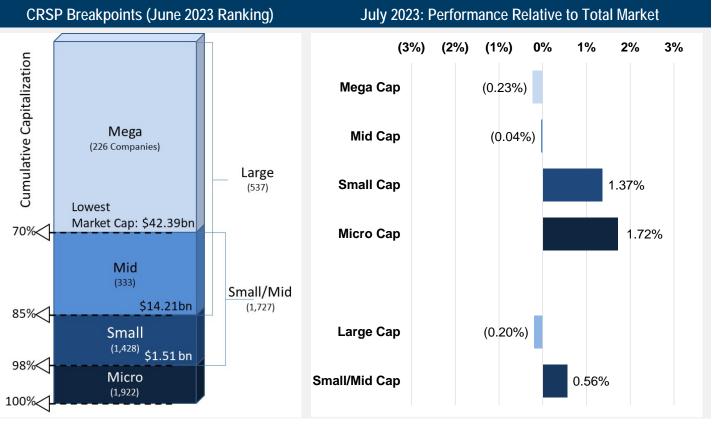
Aug-22 Sep-22 Oct-22 Nov-22 Dec-22 Jan-23 Feb-23 Mar-23 Apr-23 May-23 Jun-23 Jul-23 Jul-23 Note: Data as of 7/31/2023; monthly total returns are used; CRSP US Sector Indexes monthly total returns are for constrained indexes, meaning that securities' weights within sector indexes are adjusted to comply with IRS Regulated Investment Company rules; CRSP U.S. Sector Indexes based on Enhanced FTSE ICB® (EICB) methodology are used for returns after 6/7/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used for returns prior to 6/5/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our white paper and public announcement; Prior to 9/7/2021 the CRSP ISS ESG Indexes return series is based on a backtest

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### **CRSP U.S. CAP AND STYLE INDEXES PERFORMANCE**

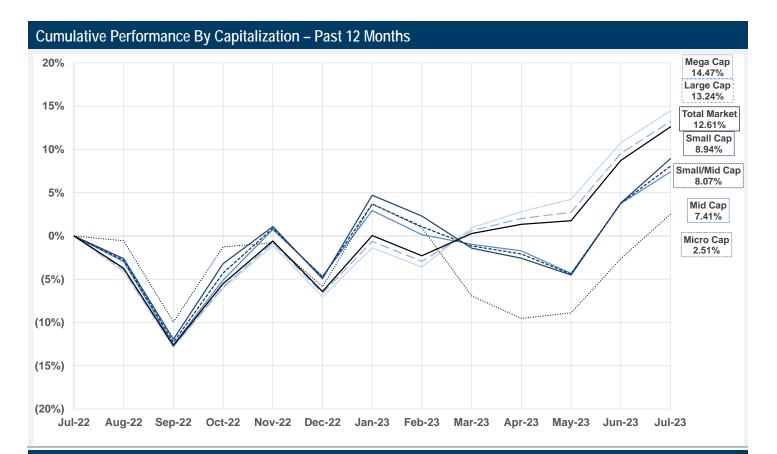
		Elect Adverted	Adjusted Return for									
Category	Index Name	Count	Float-Adjusted Market Cap (\$M)	1 Month	3 Months	YTD	1 Year	3 Years	5 Years	10 Years		
Total Market	CRSP U.S. Total Market	3,793	\$44,761,680	3.57%	11.12%	20.32%	12.61%	13.03%	11.36%	12.09%		
	CRSP U.S. Mega Cap	226	\$32,663,159	3.35%	11.34%	23.12%	14.47%	13.56%	12.72%	13.02%		
	CRSP U.S. Mid Cap	333	\$6,565,506	3.54%	9.29%	12.65%	7.41%	10.93%	8.81%	10.24%		
	CRSP U.S. Small Cap	1,428	\$4,961,734	4.94%	11.81%	14.59%	8.94%	12.64%	7.20%	9.25%		
Сар	CRSP U.S. Micro Cap	1,922	\$571,281	5.29%	13.31%	8.90%	2.51%	8.62%	2.95%	7.53%		
	CRSP U.S. Large Cap	537	\$39,228,665	3.38%	11.00%	21.25%	13.24%	13.11%	12.07%	12.56%		
	CRSP U.S. Small Mid Cap	1,727	\$11,527,240	4.14%	10.36%	13.48%	8.07%	11.71%	8.08%	-		
	CRSP U.S. Mega Value	144	\$14,170,042	3.49%	5.04%	5.84%	9.78%	15.35%	9.49%	10.49%		
	CRSP U.S. Mid Value	189	\$3,370,090	3.74%	6.98%	7.33%	5.60%	15.06%	7.24%	9.48%		
Value	CRSP U.S. Small Value	841	\$2,816,272	5.46%	11.48%	11.01%	8.50%	18.89%	6.83%	9.16%		
	CRSP U.S. Large Value	337	\$17,561,378	3.44%	5.27%	6.06%	8.99%	15.36%	9.09%	10.33%		
	CRSP U.S. Small Mid Value	1041	\$6,337,919	4.36%	8.56%	8.62%	6.51%	16.86%	6.93%	-		
	CRSP U.S. Mega Growth	92	\$16,960,546	3.20%	16.85%	41.56%	18.73%	12.04%	15.63%	15.60%		
	CRSP U.S. Mid Growth	157	\$3,195,416	3.33%	11.75%	18.79%	9.40%	6.92%	10.01%	10.79%		
Growth	CRSP U.S. Small Growth	651	\$2,145,461	4.27%	12.26%	19.73%	9.48%	4.78%	6.76%	8.90%		
	CRSP U.S. Large Growth	229	\$21,667,287	3.33%	16.21%	37.69%	16.94%	11.11%	14.72%	14.75%		
	CRSP U.S. Small Mid Growth	764	\$5,189,321	3.87%	12.59%	20.00%	10.08%	6.23%	8.82%	-		

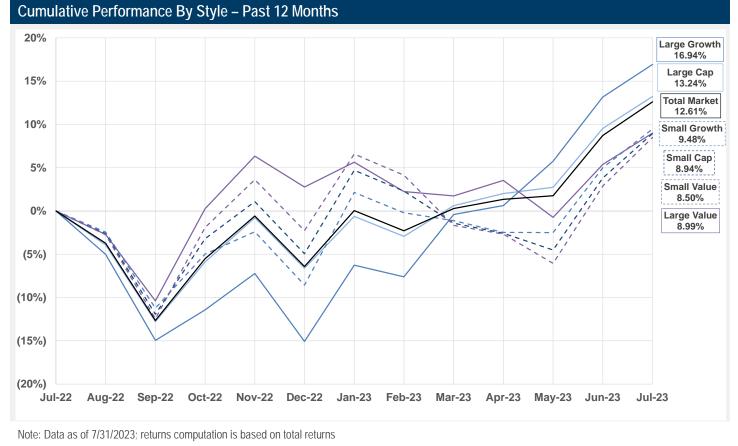
Note: Data as of 7/31/2023; returns computation is based on total returns; data for 1-, 3-, 5-, and 10-years is annualized; counts may not add up due to banding and migration, see appendix



Note: Data for lowest market capitalization is based on 5/25/2023 random price date; company counts as of 7/31/2023; counts may not add up due to banding and migration, see appendix

Note: Data as of 7/31/2023; returns computation is based on total returns





smalliMid Cap Total Market Mega Cap small Cap Micro Cap Large Cap Mid Cap 0% Technology 7.81% 12.78% 13.71% 14.41% 2.55% 10% Telecommunications 1.19% 1.44% 30.08% 1.62% 32.60% 36.25% 20% 11.41% 11.00% Health Care 10.69% 25.70% 30% Financials 2.04% 13.69% 12.76% 12.06% 2.14% 2.25% 12.58% 40% Real Estate 12.53% 7.28% 8.61% 8.04% 12.90% 18.78% Consumer 50% 10.49% Discretionary 13.95% 15.67% 14.69% 2.99% 3.97% 2.44% Consumer Staples 60% 1.20% 3.34% 4.84% 4.20% 12.77% 14.42% 14.29% Industrials 14.36% 70% 2.55% 5.08% 17.40% 19.32% 21.87% 5.33% Basic Materials 5.43% 80% 14.80% 12.98% 11.83% 3.82% Energy 10.71% 3.90% 4.00% 90% 5.39% 3.07% 2.04% 5.46% 1.77% 1.36% 5.57% 4.47% 6.20% 4.31% Utilities 4.09% 7.20% 5.48% 2.83% 3.19% 2.80% 1.91% 1.82% 100%

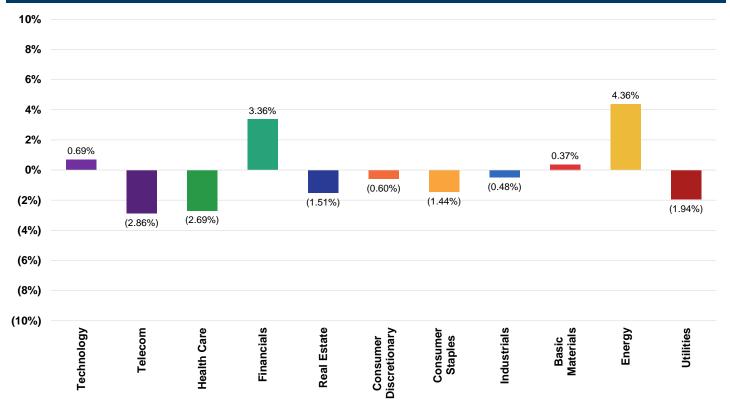
**CRSP** Market Cap Indexes Sector Allocation

Note: Data as of 7/31/2023; Sector weights are computed using company's assignment to the industry as defined by Enhanced FTSE ICB®; sector weights are based on float-adjusted market cap weights

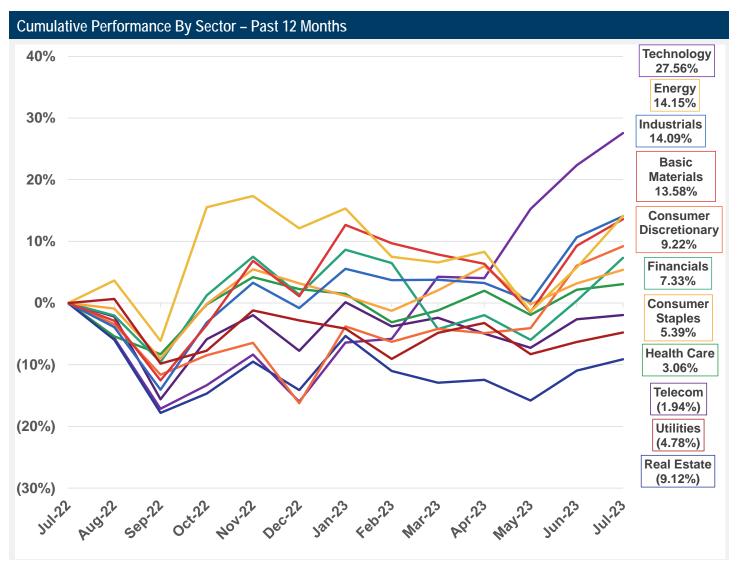
### **CRSP U.S. SECTOR INDEXES PERFORMANCE**

			Float-Adjusted				Return for			
Category	Index Name	Count	Market Cap (\$M)	1 Month	3 Months	YTD	1 Year	3 Years	5 Years	10 Years
Total Market	CRSP U.S. Total Market	3,793	\$44,761,680	3.57%	11.12%	20.32%	12.61%	13.03%	11.36%	12.09%
	CRSP U.S. Technology CRSP U.S. Technology Unconstrained	430	<b>\$1,347,666</b> \$13,466,158	4.27%	22.61%	51.85%	27.56%	17.35%	20.75%	20.60%
	CRSP U.S. Telecommunications CRSP U.S. Telecommunications Unconstrained	<b>80</b>	<b>\$76,262</b> \$914,450	0.71%	3.18%	6.31%	(1.94%)	0.18%	3.57%	4.53%
	CRSP U.S. Health Care 831   CRSP U.S. Health Care Unconstrained 831		<b>\$5,629,429</b> \$5,629,429	0.88%	1.05%	0.79%	3.06%	7.52%	9.01%	11.70%
	CRSP U.S. Financials CRSP U.S. Financials Unconstrained	589	<b>\$4,695,481</b> \$4,695,481	6.93%	9.49%	5.87%	7.33%	15.97%	8.57%	10.54%
	CRSP U.S. Real Estate CRSP U.S. Real Estate Unconstrained	199	<b>\$1,339,932</b> \$1,339,932	2.07%	3.81%	5.82%	(9.12%)	5.21%	5.18%	7.12%
Sector Indexes	CRSP U.S. Consumer Discretionary CRSP U.S. Consumer Discretionary Unconstrain	563 ined	<b>\$6,455,509</b> \$6,455,509	2.98%	14.80%	30.40%	9.22%	8.18%	10.10%	12.17%
	CRSP U.S. Consumer Staples CRSP U.S. Consumer Staples Unconstrained	146	<b>\$2,272,806</b> \$2,272,806	2.13%	(0.55%)	2.13%	5.39%	10.45%	9.73%	9.13%
	CRSP U.S. Industrials CRSP U.S. Industrials Unconstrained	565	<b>\$5,809,661</b> \$5,809,661	3.09%	10.50%	15.03%	14.09%	12.85%	9.39%	11.46%
	CRSP U.S. Basic Materials CRSP U.S. Basic Materials Unconstrained	120	<b>\$911,500</b> \$911,500	3.94%	6.80%	12.33%	13.58%	16.55%	8.77%	9.31%
	CRSP U.S. Energy CRSP U.S. Energy Unconstrained	183	<b>\$200,365</b> \$2,000,893	7.94%	5.40%	1.82%	14.15%	40.73%	6.82%	3.61%
	CRSP U.S. Utilities CRSP U.S. Utilities Unconstrained	87	<b>\$1,265,862</b> \$1,265,862	1.63%	(1.59%)	(2.02%)	(4.78%)	7.52%	8.43%	9.39%

#### July 2023: Sector Performance Relative to Total Market



Note: Data as of 7/31/2023; returns computation is based on total returns; data for 1-, 3-, 5-, and 10-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. Unconstrained Sector indexes 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 6/7/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used for returns prior to 6/5/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our <u>white paper</u> and <u>public announcement</u>



Note: Data as of 7/31/2023; returns computation is based on total returns; 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. CRSP U.S. Sector Indexes based on Enhanced FTSE ICB® (EICB) methodology are used for returns after 6/7/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used for returns prior to 6/5/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our white paper and public announcement

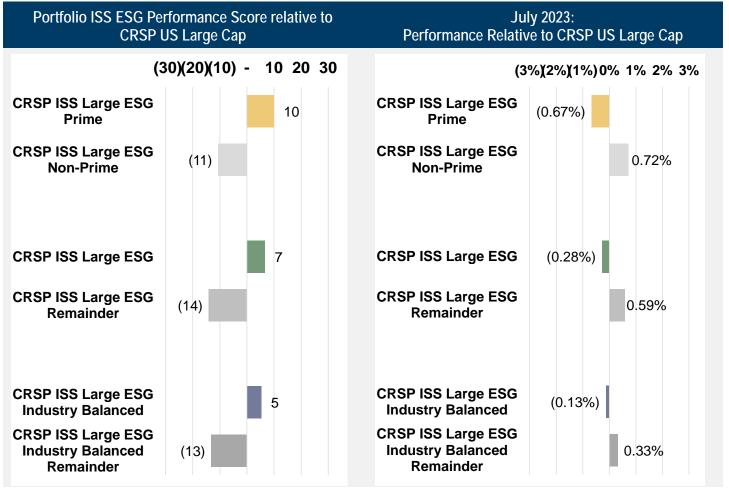
#### CRSP ISS U.S. LARGE CAP ESG INDEXES PERFORMANCE

To learn more about CRSP ISS ESG Indexes Suite visit our webpage: https://www.crsp.org/crsp-iss-esg-indexes

CRSP	CRSP ISS U.S. Large Cap ESG Indexes Performance									
Category	Index Name	Count	Float-Adjusted Market Cap (\$M)	1 Month	3 Months	YTD	Return for 1 Year	3 Years	5 Years	
	CRSP U.S. Large Cap	537	\$39,228,665	3.38%	11.00%	21.25%	13.24%	13.11%	12.07%	
Prime	CRSP ISS Large ESG Prime CRSP ISS Large ESG Non-Prime	161 376	<b>\$20,196,147</b> \$19,032,519	2.71% 4.10%	12.94% 9.12%	28.38% 14.90%	14.44% 11.83%	15.85% 10.82%	<b>17.88%</b> 8.82%	
ESG	CRSP ISS Large ESG CRSP ISS Large ESG Remainder	269 268	\$26,593,950 \$12,634,715	3.10% 3.97%	11.46% 10.06%	24.65% 14.68%	15.01% 9.76%	13.80% 11.71%	13.10% 9.67%	
ESG	CRSP ISS Large ESG Industry Balanced	271	\$27,997,884	3.25%	11.42%	23.24%	12.93%	13.05%	12.22%	
Industry Balanced	CRSP ISS Large ESG Industry Balanced Remainder	266	\$11,230,782	3.71%	9.88%	16.41%	14.45%	13.39%	11.74%	

Note: Data as of 7/31/2023; returns computation is based on total returns; data for 1-, 3-, and 5-years is annualized; Prior to 9/7/2021 the CRSP ISS ESG Indexes return series is based on a backtest

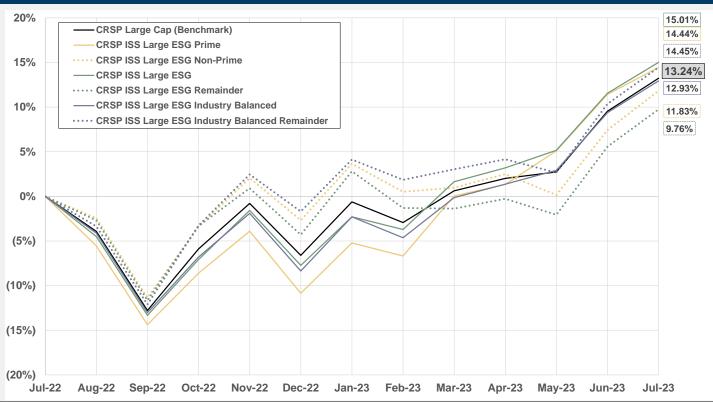
For definitions of ISS Prime Indicator, ISS ESG Performance Score see Appendix. For more information on ISS ESG Methodology please visit <u>https://www.issgovernance.com/esg/ratings/</u>.



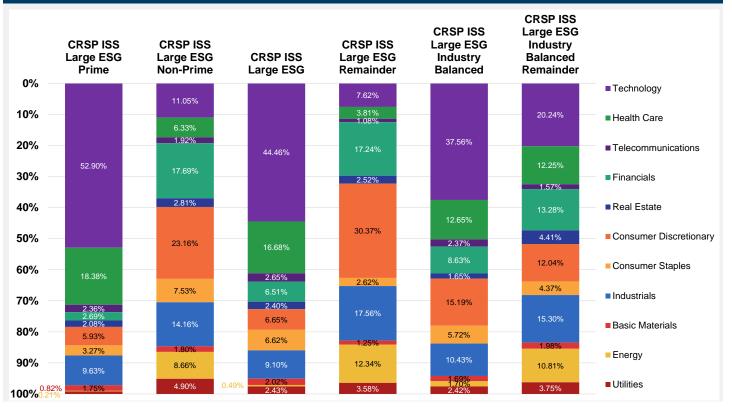
Note: Data as of 7/31/2023. Portfolio ISS ESG Performance Score is computed by weighting securities' ISS ESG Performance Score by the corresponding weight in the index

Note: Data as of 7/31/2023; returns computation is based on total returns

#### Cumulative Performance For CRSP ISS ESG Indexes – Past 12 Months



#### **CRSP ISS ESG Indexes Sector Allocation**

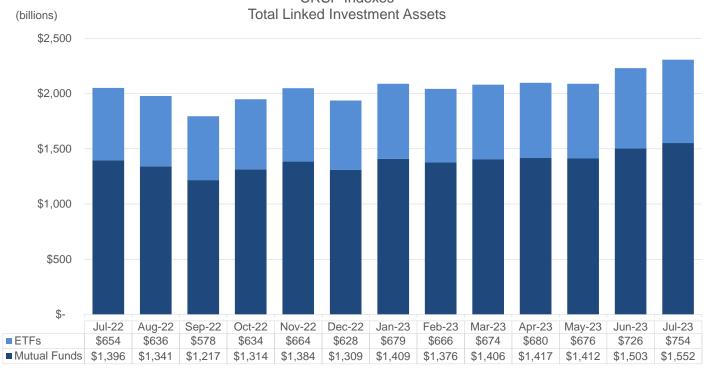


Note: Data as of 7/31/2023; returns computation is based on total returns; prior to 9/7/2021 the CRSP ISS ESG Indexes return series is based on a backtest Sector weights are computed using company's assignment to the industry as defined by Enhanced FTSE ICB®; sector weights are based on float-adjusted market cap weights

#### **CRSP U.S. INDEXES LINKED ASSETS**

#### Linked Assets as of 7/31/2023

				Linked	Assets (\$B) as of	7/31/23	
Index	Index Name (TR - Total Return, PR - Price Only Return)	Index Identifier	NASDAQ GIDS Post Date	ETF	Mutual Fund	Total	
otal Market	CRSP US Total Market Index (TR)	CRSPTMT	12/31/2012	\$322.74		¢4 477 5	
otai market	CRSP US Total Market Index (PR)	CRSPTM1 1/18/2011			\$1,154.83	\$1,477.56	
RSP Canadian Hedged	CRSP US Total Market Index (CAD-hedged) (TR)	CRSPTCHT	12/31/2012	\$0.62		\$0.6	
RSP Canadian Heuged	CRSP US Total Market Index (CAD-hedged) (PR)	CRSPTCH1	12/31/2012			\$U.0	
RSP Canadian Non-Hedged	CRSP US Total Market Total Return Index CAD (TR)	CRSPTMCT	4/15/2013	\$4.87		\$4.8	
RSP Calladian Non-neuged	CRSP US Total Market Total Return Index CAD (PR)	CRSPTMC1	4/15/2013			<b>φ4.</b>	
lega Cap	CRSP US Mega Cap Index (TR)	CRSPMET	12/31/2012	\$4.27		\$4.4	
lega Cap	CRSP US Mega Cap Index (PR)	CRSPME1	8/15/2011		\$0.21	<b>φ4.</b> 4	
lana Can Crowth	CRSP US Mega Cap Growth Index (TR)	CRSPMEGT	12/31/2012	\$14.47		¢4.4	
lega Cap Growth	CRSP US Mega Cap Growth Index (PR)	CRSPMEG1	10/1/2012		\$0.03	\$14.	
lana Can Valua	CRSP US Mega Cap Value Index (TR)	CRSPMEVT	12/31/2012	\$6.17		\$6.	
ega Cap Value	CRSP US Mega Cap Value Index (PR)	CRSPMEV1	10/1/2012		\$0.12	<b>\$</b> 0.	
	CRSP US Large Cap Index (TR)	CRSPLCT	12/31/2012	\$29.13		¢ 40	
arge Cap	CRSP US Large Cap Index (PR)	CRSPLC1	8/15/2011		\$13.96	\$43.	
area Can Crowth	CRSP US Large Cap Growth Index (TR)	CRSPLCGT	12/31/2012	\$94.82		¢404	
arge Cap Growth	CRSP US Large Cap Growth Index (PR)	CRSPLCG1	10/1/2012		\$89.25	\$184.	
anna Oan Malua	CRSP US Large Cap Value Index (TR)	CRSPLCVT	12/31/2012	\$103.75		<b>\$450</b>	
arge Cap Value	CRSP US Large Cap Value Index (PR)	CRSPLCV1	10/1/2012		\$49.16	\$152.91	
	CRSP US Mid Cap Index (TR)	CRSPMIT	12/31/2012	\$56.56		¢454	
lid Cap	CRSP US Mid Cap Index (PR)	CRSPMI1	8/15/2011		\$98.20	\$154.	
i d Oan Onemath	CRSP US Mid Cap Growth Index (TR)	CRSPMIGT	12/31/2012	\$11.34		***	
lid Cap Growth	CRSP US Mid Cap Growth Index (PR)	CRSPMIG1	10/1/2012		\$10.80	\$22.	
	CRSP US Mid Cap Value Index (TR)	CRSPMIVT	12/31/2012	\$16.58		***	
lid Cap Value	CRSP US Mid Cap Value Index (PR)	CRSPMIV1	10/1/2012		\$12.21	\$28.	
	CRSP US Small Cap Index (TR)	CRSPSCT	12/31/2012	\$47.61		<b>\$4.00</b>	
mall Cap	CRSP US Small Cap Index (PR)	CRSPSC1	8/15/2011		\$81.87	\$129.	
mall Can Crowth	CRSP US Small Cap Growth Index (TR)	CRSPSCGT	12/31/2012	\$14.89		604	
mall Cap Growth	CRSP US Small Cap Growth Index (PR)	CRSPSCG1	10/1/2012		\$16.95	\$31.	
mall Can Value	CRSP US Small Cap Value Index (TR)	CRSPSCVT	12/31/2012	\$26.33		¢.5.0	
mall Cap Value	CRSP US Small Cap Value Index (PR)	CRSPSCV1	10/1/2012		\$24.45	\$50.	
		To	tal Linked Assets	\$754	\$1,552	\$2,3	



**CRSP** Indexes

Note: Data as of 7/31/2023

#### **RECENT NEWS ABOUT CRSP**

- Article: Index Providers Disagree on Growth and Value
  - Summary: CRSP Market Indexes (CRSPMI) have been designed under the premise that an index must reflect the way money managers actually invest. We think it is absolutely critical for investors to learn more about our transparent, clear and unbiased methodology that employs an innovative migration process to minimize turnover costs by reading our <u>Key Concepts</u>
  - o CRSP Products: CRSP Investment Indexes
  - Publication: Morningstar
- Article: How Index-Tracking Funds Are Trimming Their Trading Costs
  - Summary: The CRSP US Total Market Index represents the most prominent example of an index that incorporates some of these new trading provisions. It breaks up its rebalancing trades over five days when it rebuilds its portfolio in March, June, September, and December.
  - o CRSP Products: <u>CRSP Investment Indexes</u>
  - o Publication: Morningstar
- Article: VTI: Truly Passive Investing In The U.S. Market
  - o Summary: Analysis of passive investing in US Equity market
  - o CRSP Products: CRSP Investment Indexes
  - o Publication: Seeking Alpha
- Article: <u>Why Vanguard Value Index Is a Good Investment Today</u>
  - Summary: Overview of the Vanguard Large Value Funds, including its ETF (VTV), that are based on CRSP US Large Cap Value Index
  - o CRSP Products: CRSP Investment Indexes
  - Publication: Morningstar
- Article: <u>Why Vanguard Total Stock Market Index Is One of the Best</u>
  - Summary: Overview of Vanguard's more than \$1 trillion Total Market fund based on CRSP US Total Market Index
  - o CRSP Products: <u>CRSP Investment Indexes</u>
  - o Publication: Morningstar
- Article: <u>Passive ETFs hit by billion-dollar rebalancing costs</u>
  - o Summary: Impact of rebalancing costs
  - o CRSP Products: CRSP Investment Indexes
  - Publication: Financial Times
- Article: The Mutual Fund that Ate Wall Street Based on An Index Few People Know About
  - o Summary: History of the creation of CRSP Investment Indexes
  - o CRSP Products: <u>CRSP Investment Indexes</u>
  - Publication: WSJ

#### SERVICES OFFERED BY CRSP

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Academic, practitioner, and government institutions for whom data quality, accuracy and completeness are essential rely on CRSP data products. Our portfolio of stock, indexes, mutual fund, treasury, and REIT market databases is relied upon by those whose research and publications must withstand rigorous analysis for accuracy. Quantitative analysts in the commercial market depend on CRSP's historical depth and unrivaled quality in order to perform backtesting and modeling calculations. In the government sector, regulators and policy makers value CRSP's complete data sets as the basis for financial and economic research.

- <u>CRSP US Stock Databases</u>
- <u>CRSP 10</u>
- <u>CRSP Historical Indexes</u>
- <u>CRSPMI Intraday</u>
- <u>CRSP/Compustat Merged Database</u>
- <u>CRSP US Treasury Database</u>
- <u>CRSP/Ziman Real Estate Database</u>
- <u>CRSP Survivor-Bias-Free US Mutual Funds</u>
- <u>CRSP Cap-Based Portfolio Index</u>

For more information regarding CRSP Research Products, contact <u>subscriptions@crsp.org</u>.

#### **CRSP MARKET INDEXES (CRSPMI)**

Since 2011, CRSP LLC has maintained, disseminated and expanded its' CRSPMI proprietary investable index product line. Currently comprising over 78 capitalization-based, industry sector, value and growth style, and ESG indexes, the CRSPMI suite blends ongoing advancements in academic research with the most efficient and productive industry practices. CRSPMI continues to dedicate resources and personnel to expand its capabilities and services for providing a broad, efficient and low-cost set of performing index products and benchmarks for the entire investment community.

CRSPMI offers indexes covering the entire U.S. equities marketplace, from its flagship CRSP Total Market Index (CRSPTM1) to a broad set of different cap segments (Mega, Large, Mid, Small, Micro) with Value and Growth versions of each, 11 Sector Indexes and 6 ESG Indexes. A <u>quick reference guide</u> provides an overview of the CRSPMI index offerings.

CRSPMI distributes its investable indexes and related constituents, corporate actions and rebalancing information to a broad community of licensed clients over multiple delivery channels, including <u>direct client feed</u>, secure website and approved third-party redistributors.

#### **APPENDIX – CRSP U.S. INDEXES DESCRIPTIVE INFORMATION**

Category	Index Name C	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	3,793	\$44,761,680	\$2,935,408	\$1	\$824	\$11,801	6.56%
	CRSP U.S. Mega Cap	226	\$32,663,159	\$2,935,408	\$10,285	\$71,041	\$144,527	8.99%
	CRSP U.S. Mid Cap	333	\$6,565,506	\$52,573	\$1,249	\$17,814	\$19,716	0.80%
	CRSP U.S. Small Cap	1,428	\$4,961,734	\$19,896	\$13	\$2,667	\$3,475	0.40%
Сар	CRSP U.S. Micro Cap	1,922	\$571,281	\$3,430	\$1	\$139	\$297	0.60%
	CRSP U.S. Large Cap	537	\$39,228,665	\$2,935,408	\$1,249	\$30,145	\$73,052	7.48%
	CRSP U.S. Small Mid Cap	1,727	\$11,527,240	\$52,573	\$13	\$3,352	\$6,675	0.46%
	CRSP U.S. Mega Value	144	\$14,170,042	\$644,328	\$10,990	\$62,250	\$98,403	4.55%
	CRSP U.S. Mid Value	189	\$3,370,090	\$49,715	\$1,249	\$16,035	\$17,831	1.48%
	CRSP U.S. Small Value	841	\$2,816,272	\$18,511	\$13	\$2,560	\$3,349	0.66%
Value		041	ψ2,010,212	φ10,011	φισ	φ2,000	φ0,040	0.0070
	CRSP U.S. Large Value	337	\$17,561,378	\$644,328	\$1,249	\$27,559	\$52,111	3.67%
		1,041	\$6,337,919	\$49,715	\$13	\$3,180	\$6,088	0.78%
	CRSP U.S. Mega Growth	92	\$16,960,546	\$2,694,424	\$10,285	\$65,101	\$184,354	15.89%
	CRSP U.S. Mid Growth	157	\$3,195,416	\$52,573	\$1,770	\$17,752	\$20,353	1.65%
Growth	CRSP U.S. Small Growth	651	\$2,145,461	\$19,896	\$22	\$2,312	\$3,296	0.93%
	CRSP U.S. Large Growth	229	\$21,667,287	\$2,935,408	\$1,770	\$31,122	\$94,617	13.55%
	CRSP U.S. Small Mid Growth	764	\$5,189,321	\$52,573	\$22	\$3,267	\$6,792	1.01%
		101						
Prime	CRSP ISS Large ESG Prime	161	\$20,196,147	\$2,935,408	\$2,867	\$43,556	\$125,442	14.53%
_	CRSP ISS Large ESG Non-Prime	376	\$19,032,519	\$1,165,863	\$1,249	\$27,478	\$50,618	6.13%
ESG	CRSP ISS Large ESG	269	\$26,593,950	\$2,935,408	\$2,867	\$36,919	\$98,862	11.04%
	CRSP ISS Large ESG Remainder	268	\$12,634,715	\$1,165,863	\$1,249	\$25,631	\$47,144	9.23%
ESG ndustry	CRSP ISS Large ESG Industry Balanced	271	\$27,997,884	\$2,935,408	\$2,867	\$37,593	\$103,313	10.48%
Balanced	CRSP ISS Large ESG Industry Balanced Remainder	266	\$11,230,782	\$704,792	\$1,249	\$25,118	\$42,221	6.28%
	CRSP U.S. Technology	430	\$1,347,666	\$258,455	\$4	\$590	\$3,134	19.18%
	CRSP U.S. Technology Unconstrained		\$13,466,158	\$2,935,408	\$4	\$1,382	\$31,317	21.80%
	CRSP U.S. Telecommunications	80	\$76,262	\$13,388	\$3	\$347	\$953	17.56%
	CRSP U.S. Telecommunications Unconstrained		\$914,450	\$190,859	\$3	\$519	\$11,431	20.87%
	CRSP U.S. Health Care	831	\$5,629,429	\$471,447	\$1	\$220	\$6,774	8.37%
	CRSP U.S. Health Care Unconstrained		\$5,629,429	\$471,447	\$1	\$220	\$6,774	8.37%
	CRSP U.S. Financials	589	\$4,695,481	\$644,328	\$4	\$814	\$7,972	13.72%
	CRSP U.S. Financials Unconstrained		\$4,695,481	\$644,328	\$4	\$814	\$7,972	13.72%
	CRSP U.S. Real Estate	199	\$1,339,932	\$115,200	\$6	\$1,562	\$6,733	8.60%
	CRSP U.S. Real Estate Unconstrained		\$1,339,932	\$115,200	\$6	\$1,562	\$6,733	8.60%
Sector	CRSP U.S. Consumer Discretionary	563	\$6,455,509	\$1,165,863	\$2	\$929	\$11,466	18.06%
ndexes	CRSP U.S. Consumer Discretionary Unconstraine		\$6,455,509	\$1,165,863	\$2	\$929	\$11,466	18.06%
	CRSP U.S. Consumer Staples	146	\$2,272,806	\$368,394	\$3	\$1,121	\$15,567	16.21%
	CRSP U.S. Consumer Staples Unconstrained		\$2,272,806	\$368,394	\$3	\$1,121	\$15,567	16.21%
	CRSP U.S. Industrials	565	\$5,809,661	\$384,700	\$2	\$1,575	\$10,283	6.62%
	CRSP U.S. Industrials Unconstrained		\$5,809,661	\$384,700	\$2	\$1,575	\$10,283	6.62%
	CRSP U.S. Basic Materials	120	\$911,500	\$191,527	\$4	\$1,455	\$7,596	21.01%
	CRSP U.S. Basic Materials Unconstrained	120	\$911,500	\$191,527	\$4 \$4	\$1,455	\$7,596	21.01%
	CRSP U.S. Energy	183	\$200,365	\$41,398	\$6	\$118	\$1,095	20.66%
	CRSP U.S. Energy Unconstrained	105	\$2,000,893	\$433.570	<b>\$0</b> \$6	\$1.045	\$10.934	21.67%
	CRSP U.S. Utilities	87	\$2,000,895 \$1,265,862	\$148,317	\$0 \$17	\$4,383	\$10,934 \$14,550	11.72%
			ψ1,200,00Z	ψ1-τ0,011	ψ./	ψ-,000	ψ1-1,000	11.1 2 /0

Note: Data as of 7/31/2023; 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 "Unconstrained" 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 6/7/2020; CRSP U.S. Sector Indexes based on FTSE ICB® methodology are used prior to 6/5/2020. For more details on pairing between EICB-based and ICB-based CRSP U.S. Sector Indexes refer to our <u>white paper</u> and <u>public announcement</u>

## **APPENDIX – INDEX REFERENCE GUIDE**

Index	Index Name (TR - Total Return, PR - Price Only Return)	Index Identifier	CUSIP	NASDAQ GIDS Post Date	Inception Date Open Val = 1000	Bloomberg Ticker
Total Market Index	CRSP US Total Market Index (TR) CRSP US Total Market Index (PR)	CRSPTMT CRSPTM1	12628H109 12628G101	12/31/2012 1/18/2011	4/1/2011 4/1/2011	BBG003PZ7F43 BBG001DQ7123
CRSP Australian Hedged	CRSP US Total Market Index (AUD-hedged) (TR)	CRSPTAHT	12633D200	7/1/2015		BBG009J9GN20
Index	CRSP US Total Market Index (AUD-hedged) (PR)	CRSPTAH1	12633D101	7/1/2015		BBG009J9GN11
CRSP Australian Non-	CRSP US Total Market Total Return Index AUD (TR)	CRSPTMAT	12633D408	7/1/2015		BBG009J9GN48
Hedged Index	CRSP US Total Market Index AUD (PR)	CRSPTMA1	12633D309	7/1/2015		BBG009J9GN39
CRSP Canadian Hedged	CRSP US Total Market Index (CAD-hedged) (TR)	CRSPTCHT	12630Y108	12/31/2012		BBG003PZ7F52
Index	CRSP US Total Market Index (CAD-hedged) (PR)	CRSPTCH1	12628G200	12/31/2012		BBG003PZ7F34
CRSP Canadian Non- Hedged Index	CRSP US Total Market Total Return Index CAD (TR) CRSP US Total Market Index CAD (PR)	CRSPTMCT	12632P204	4/15/2013		BBG004MFW5W1
	CRSP US Total Market Index CAD (PR)	CRSPTMC1 CRSPMET	12632M201 12631H104	4/15/2013 12/31/2012	4/1/2011	BBG004MFW5V2 BBG003PZ7F61
Mega Cap	CRSP US Mega Cap Index (PR)	CRSPME1	12627R108	8/15/2011	4/1/2011	BBG001YCYN69
Mega Cap Growth	CRSP US Mega Cap Growth Index (TR)	CRSPMEGT	12631K107	12/31/2012	9/10/2012	BBG003PZ7F70
	CRSP US Mega Cap Growth Index (PR) CRSP US Mega Cap Value Index (TR)	CRSPMEG1 CRSPMEVT	12630R103 12631L105	10/1/2012 12/31/2012	9/10/2012 9/10/2012	BBG003PZ7DH4 BBG003PZ7F89
Mega Cap Value	CRSP US Mega Cap Value Index (PR)	CRSPMEV1	12630T109	10/1/2012	9/10/2012	BBG003PZ7DJ2
Large Cap (Mega + Mid)	CRSP US Large Cap Index (TR)	CRSPLCT	12631M103	12/31/2012	4/1/2011	BBG003PZ7F98
Сар	CRSP US Large Cap Index (PR) CRSP US Large Cap Growth Index (TR)	CRSPLC1 CRSPLCGT	12627P102 12631P106	8/15/2011 12/31/2012	4/1/2011 9/10/2012	BBG001YCYN50 BBG003PZ7FB5
Large Cap Growth	CRSP US Large Cap Growth Index (TR)	CRSPLCG1 CRSPLCG1	12631P106 12630W102		9/10/2012	BBG003PZ7PB5 BBG003PZ7DK0
Large Cap Value	CRSP US Large Cap Value Index (TR)	CRSPLCVT	12631R102	12/31/2012	9/10/2012	BBG003PZ7FC4
Large Cap value	CRSP US Large Cap Value Index (PR)	CRSPLCV1	12630X100	10/1/2012	9/10/2012	BBG003PZ7DL9
Mid Cap	CRSP US Mid Cap Index (TR)	CRSPMIT CRSPMI1	12631T108 12627W107	12/31/2012 8/15/2011	4/1/2011 4/1/2011	BBG003PZ7FD3 BBG001YCYN87
	CRSP US Mid Cap Index (PR) CRSP US Mid Cap Growth Index (TR)	CRSPMIT	12627W107	12/31/2012	9/10/2012	BBG003PZ7FF1
Mid Cap Growth	CRSP US Mid Cap Growth Index (PR)	CRSPMIG1	12631A109	10/1/2012	9/10/2012	BBG003PZ7DM8
Mid Cap Value	CRSP US Mid Cap Value Index (TR)	CRSPMIVT	12629L109	12/31/2012	9/10/2012	BBG003PZ7FG0
	CRSP US Mid Cap Value Index (PR)	CRSPMIV1	12631C105	10/1/2012	9/10/2012	BBG003PZ7DN7
Small-Mid Cap	CRSP US Small-Mid Cap Index (TR) CRSP US Small-Mid Cap Index (PR)	CRSPSMT CRSPSM1	12591C103 12632T107	3/10/2014 3/10/2014	4/1/2011 4/1/2011	BBG0069LWSJ3 BBG0069LWSH5
	CRSP US Small-Mid Cap Growth Index (TR)	CRSPSMGT	12591P104	3/10/2014	9/10/2012	BBG0069LWSF7
Small-Mid Cap Growth	CRSP US Small-Mid Cap Growth Index (PR)	CRSPSMG1	12591M101	3/10/2014	9/10/2012	BBG0069LWSC0
Small-Mid Cap Value	CRSP US Small-Mid Cap Value Index (TR)	CRSPSMVT	12591L103	3/10/2014	9/10/2012	BBG0069LWSG6
	CRSP US Small-Mid Cap Value Index (PR) CRSP US Small Cap Index (TR)	CRSPSMV1 CRSPSCT	12591E109 12630N102	3/10/2014 12/31/2012	9/10/2012 4/1/2011	BBG0069LWSD9 BBG003PZ7FH9
Small Cap	CRSP US Small Cap Index (TR)	CRSPSC1	12628A104	8/15/2012	4/1/2011	BBG003F27FH9 BBG001YCYNB3
Small Can Crowth	CRSP US Small Cap Growth Index (TR)	CRSPSCGT	12630V104	12/31/2012	9/10/2012	BBG003PZ7FJ7
Small Cap Growth	CRSP US Small Cap Growth Index (PR)	CRSPSCG1	12631E101	10/1/2012	9/10/2012	BBG003PZ7DP5
Small Cap Value	CRSP US Small Cap Value Index (TR)	CRSPSCVT	12631N101	12/31/2012	9/10/2012	BBG003PZ7FK5
•	CRSP US Small Cap Value Index (PR) CRSP US Micro Cap Index (TR)	CRSPSCV1 CRSPMCT	12631F108 12631V103	10/1/2012 12/31/2012	9/10/2012 4/1/2011	BBG003PZ7DQ4 BBG003PZ7FL4
Micro Cap Index	CRSP US Micro Cap Index (TR)	CRSPMC1 CRSPMC1	12627T104	8/15/2012	4/1/2011	BBG003F27FL4 BBG001YCYN78
	CRSP ISS US Large Cap ESG Prime Index (TR)	CLESGPT	12657Y205	9/7/2021	9/7/2021	BBG012CHZKD6
CRSP ISS ESG Prime	CRSP ISS US Large Cap ESG Prime Index (PR)	CLESGP	12657Y106	9/7/2021	9/7/2021	BBG012CHZK64
CDCD ISS ESC Non Drime	CRSP ISS US Large Cap ESG Non-Prime Index (TR)	CLESGNPT	12658A206	9/7/2021	9/7/2021	BBG012CHZKF4
CRSP ISS ESG Non-Prime	CRSP ISS US Large Cap ESG Non-Prime Index (PR)	CLESGNP	12658A107	9/7/2021	9/7/2021	BBG012CHZK73
CRSP ISS ESG	CRSP ISS US Large Cap ESG Index (TR) CRSP ISS US Large Cap ESG Index (PR)	CLESGT CLESG	12658D200 12658D101	9/7/2021 9/7/2021	9/7/2021 9/7/2021	BBG012CHZKG3 BBG012CHZK82
	CRSP ISS US Large Cap ESG Remainder Index					
CRSP ISS ESG Remainder	CRSP ISS US Large Cap ESG Remainder	CLESGRT	12658E208 12658E109	9/7/2021 9/7/2021	9/7/2021	BBG012CHZKH2 BBG012CHZK91
CRSP ISS ESG Industry	Index (PR) CRSP ISS US Large Cap ESG Industry Balanced Index (TR)	CLESGBT	12658F205	9/7/2021	9/7/2021	BBG012CHZKJ0
Balanced	CRSP ISS US Large Cap ESG Industry Balanced Index (PR)	CLESGB	12658F106	9/7/2021	9/7/2021	BBG012CHZKB8
CRSP ISS ESG Industry	CRSP ISS US Large Cap ESG Industry Balanced Remainder Index (TR)	CLESGBRT	12658K204	9/7/2021	9/7/2021	BBG012CHZKK8
Balanced Remainder	CRSP ISS US Large Cap ESG Industry Balanced Remainder Index (PR)	CLESGBR	12658K105	9/7/2021	9/7/2021	BBG012CHZKC7
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	Index News	lu dau		NASDAQ GIDS	Inception Date	
Index	Index Name (TR - Total Return, PR - Price Only Return)	Index Identifier	CUSIP	Post Date	Open Val = 1000	Bloomberg Ticker
Consumer Staples	CRSP US Consumer Staples Index (TR)	CRSPCST	12631W101	12/31/2012	2/1/2012	BBG003PZ7FM3
Consumer Staples	CRSP US Consumer Staples Index (PR)	CRSPCS1	12630G107	7/16/2012	2/1/2012	BBG003PZ7DR3
Consumer Discretionary	CRSP US Consumer Discretionary Index (TR)	CRSPCDT	12631X109	12/31/2012	2/1/2012	BBG00VC1QCP3
Consumer Discretionary	CRSP US Consumer Discretionary Index (PR)	CRSPCD1	12630J101	7/16/2012	2/1/2012	BBG00VC1Q658
Enorgy	CRSP US Energy Index (TR)	CRSPENT	12631Y107	12/31/2012	2/1/2012	BBG003PZ7FP0
Energy	CRSP US Energy Index (PR)	CRSPEN1	12630A100	7/16/2012	2/1/2012	BBG003PZ7DT1
Financials	CRSP US Financials Index (TR)	CRSPFNT	12632A108	12/31/2012	2/1/2012	BBG003PZ7FQ9
Financiais	CRSP US Financials Index (PR)	CRSPFN1	12630M104	7/16/2012	2/1/2012	BBG003PZ7DV8
Health Care	CRSP US Health Care Index (TR)	CRSPHCT	12632C104	12/31/2012	2/1/2012	BBG003PZ7FR8
Health Gale	CRSP US Health Care Index (PR)	CRSPHC1	12630H105	7/16/2012	2/1/2012	BBG003PZ7DW7
Industrials	CRSP US Industrials Index (TR)	CRSPIDT	12632E100	12/31/2012	2/1/2012	BBG003PZ7FS7
Industrials	CRSP US Industrials Index (PR)	CRSPID1	12630F109	7/16/2012	2/1/2012	BBG003PZ7DX6
Technology	CRSP US Technology Index (TR)	CRSPITT	12632F107	12/31/2012	2/1/2012	BBG003PZ7FT6
Technology	CRSP US Technology Index (PR)	CRSPIT1	12630P107	7/16/2012	2/1/2012	BBG003PZ7DY5
Basic Materials	CRSP US Basic Materials Index (TR)	CRSPMTT	12632G105	12/31/2012	2/1/2012	BBG003PZ7FV3
Basic Materials	CRSP US Basic Materials Index (PR)	CRSPMT1	12630E102	7/16/2012	2/1/2012	BBG003PZ7DZ4
Telecommunications	CRSP US Telecommunications Index (TR)	CRSPTET	12632H103	12/31/2012	2/1/2012	BBG003PZ7FW2
Telecommunications	CRSP US Telecommunications Index (PR)	CRSPTE1	12630K108	7/16/2012	2/1/2012	BBG003PZ7F07
Utilities	CRSP US Utilities Index (TR)	CRSPUTT	12632J109	12/31/2012	2/1/2012	BBG003PZ7FX1
otinties	CRSP US Utilities Index (PR)	CRSPUT1	12630L106	7/16/2012	2/1/2012	BBG003PZ7F16
Real Estate	CRSP US Real Estate Index (TR)	CRSPRET	12632K106	12/31/2012	4/1/2011	BBG003PZ7FY0
Real Estate	CRSP US Real Estate Index (PR)	CRSPRE1	12627X105	8/15/2011	4/1/2011	BBG001YCYN96
Small Cap ex-Real Estate	CRSP US Small Cap ex-Real Estate Index (TR)	CRSPSXT	12632L104	12/31/2012	2/1/2012	BBG003PZ7FZ9
oman Cap ex-Real Estate	CRSP US Small Cap ex-Real Estate Index (PR)	CRSPSX1	12631G106	10/1/2012	9/10/2012	BBG003PZ7F25

## **APPENDIX – LIST OF ETFS/MUTUAL FUNDS USING CRSP INDEXES**

#### **ETFS**

Index Infor	rmation		Fund Information
Name	Ticker	Ticker	URL
Mega Cap	CRSPMET	MGC	https://investor.vanguard.com/investment-products/etfs/profile/mgc
Mega Cap Growth	CRSPMEGT	MGK	https://investor.vanguard.com/investment-products/etfs/profile/mgk
Mega Cap Value	CRSPMEVT	MGV	https://investor.vanguard.com/investment-products/etfs/profile/mgv
Large Cap	CRSPLCT	VV	https://investor.vanguard.com/investment-products/etfs/profile/vv
Large Cap Growth	CRSPLCGT	VUG	https://investor.vanguard.com/investment-products/etfs/profile/vug
Large Cap Value	CRSPLCVT	VTV	https://investor.vanguard.com/investment-products/etfs/profile/vtv
Mid Cap	CRSPMIT	VO	https://investor.vanguard.com/investment-products/etfs/profile/vo
Mid Cap Growth	CRSPMIGT	VOT	https://investor.vanguard.com/investment-products/etfs/profile/vot
Mid Cap Value	CRSPMIVT	VOE	https://investor.vanguard.com/investment-products/etfs/profile/voe
Small Cap	CRSPSCT	VB	https://investor.vanguard.com/investment-products/etfs/profile/vb
Small Cap Growth	CRSPSCGT	VBK	https://investor.vanguard.com/investment-products/etfs/profile/vbk
Small Cap Value	CRSPSCVT	VBR	https://investor.vanguard.com/investment-products/etfs/profile/vbr
Total Market	CRSPTMT	VTI	https://investor.vanguard.com/investment-products/etfs/profile/vti
Canadian Hedged*	CRSPTCHT	VUS	https://www.vanguard.ca/en/advisor/products/products-group/etfs/VUS
Canadian Non- Hedged*	CRSPTMCT	VUN	https://www.vanguard.ca/en/advisor/products/products-group/etfs/VUN

#### **MUTUAL FUNDS**

Index Infor Name	mation Ticker	Ticker	Fund Information URL
Mega Cap	CRSPME1	VMCTX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vmctx
Mega Cap Growth	CRSPMEG1	VMGAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vmgax
Mega Cap Value	CRSPMEV1	VMVLX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vmvlx
Large Cap	CRSPLC1	VLCAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vlcax
Large Cap Growth	CRSPLCG1	VIGAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vigax
Large Cap Value	CRSPLCV1	VIVIX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vivix
Mid Cap	CRSPMI1	VVAMCIV	https://advisors.vanguard.com/investments/products/0288/vanguard-variable- insurance-fund-mid-cap-index-portfolio
Mid Cap	CRSPMI1	VIMAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vimax
Mid Cap Growth	CRSPMIG1	VMGMX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vmgmx
Mid Cap Value	CRSPMIV1	VMVAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vmvax
Small Cap	CRSPSC1	VSMAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vsmax
Small Cap Growth	CRSPSCG1	VSGAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vsgax
Small Cap Value	CRSPSCV1	VSIAX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vsiax
Total Market Total Market Total Market	CRSPTM1 CRSPTM1 CRSPTM1	VBIAX VITPX VTSMX	https://investor.vanguard.com/investment-products/mutual-funds/profile/vbiax https://investor.vanguard.com/investment-products/mutual-funds/profile/vitpx https://institutional.vanguard.com/investments/product-details/fund/0585

#### **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 <u>CRSP</u> <u>Methodology</u>.

**Float-Adjusted Market Cap**: represents the float-adjusted market capitalization of a company as described in the <u>CRSP</u> <u>Methodology</u>. 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

**ISS ESG Performance Score:** An ESG metric assigned by ISS based on its ISS ESG Corporate Rating, allowing direct comparisons of companies in different industries. ISS Performance Score is a numeric value between 0 and 100. See <a href="https://www.issgovernance.com/esg/ratings/">https://www.issgovernance.com/esg/ratings/</a> for ISS definitions.

**ISS Prime Indicator**: A flag set by ISS for a company based on whether its ISS ESG Performance Score is at least 50. If a company meets the minimum threshold it is designated as Prime, and if not it is designated as Non-Prime. See <a href="https://www.issgovernance.com/esg/ratings/">https://www.issgovernance.com/esg/ratings/</a> for ISS definitions.

**Portfolio ISS ESG Performance Score:** Portfolio ISS ESG Performance Score is computed by weighting securities' ISS ESG Performance Score by the corresponding weight in the index

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