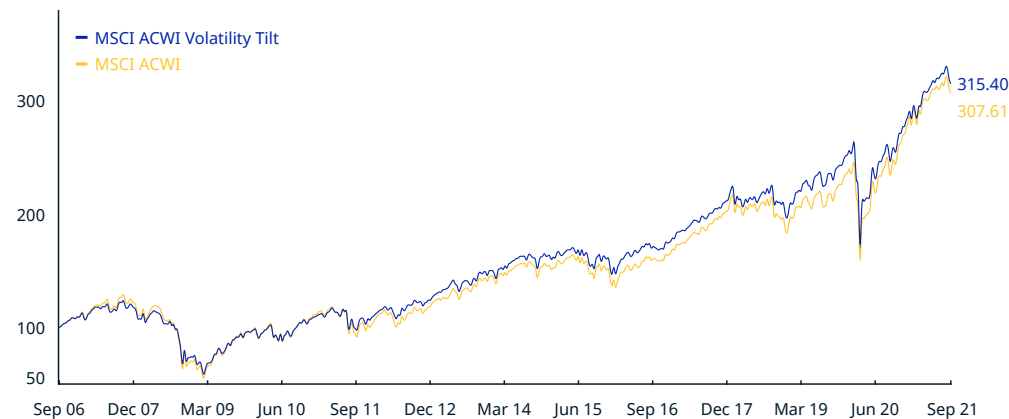


# MSCI ACWI Volatility Tilt Index (USD)

The MSCI ACWI Volatility Tilt Index is based on MSCI ACWI, its parent index, which includes large and mid-cap stocks across 23 Developed Markets (DM) and 27 Emerging Markets (EM) countries\*. It aims to reflect the performance of a low volatility strategy with relatively high investment capacity. The indexes are created by tilting the market capitalization weights of all the constituents in the parent index based on the inverse of security price variance and then re-weighting them.

## CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (SEP 2006 – SEP 2021)



## ANNUAL PERFORMANCE (%)

Year	MSCI ACWI Volatility Tilt	MSCI ACWI
2020	12.11	16.82
2019	26.97	27.30
2018	-6.55	-8.93
2017	22.06	24.62
2016	8.95	8.48
2015	-1.43	-1.84
2014	7.03	4.71
2013	22.31	23.44
2012	14.54	16.80
2011	0.42	-6.86
2010	11.77	13.21
2009	28.26	35.41
2008	-36.39	-41.85
2007	8.71	12.18

## INDEX PERFORMANCE – GROSS RETURNS (%) (SEP 30, 2021)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1995
					3 Yr	5 Yr	10 Yr		
MSCI ACWI Volatility Tilt	-4.35	-0.47	25.11	11.42	12.33	12.88	12.13	8.86	
MSCI ACWI	-4.09	-0.95	27.98	11.49	13.14	13.77	12.50	8.07	

## FUNDAMENTALS (SEP 30, 2021)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.01	20.38	17.65	3.08
1.79	21.52	17.65	2.96

## INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 1995 – SEP 30, 2021)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since May 31, 1995	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI ACWI Volatility Tilt	0.85	3.24	7.92	16.73	13.55	12.14	0.71	0.87	0.95	0.52	53.49	2007-10-31–2009-03-09
MSCI ACWI	1.00	0.00	3.33	18.20	14.65	13.46	0.70	0.87	0.89	0.42	58.06	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly gross returns data

<sup>3</sup> Based on ICE LIBOR 1M

\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Argentina, Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Qatar, Russia, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI ACWI Volatility Tilt Index was launched on Jun 04, 2014. Data prior to the launch date is back-tested data (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

**INDEX CHARACTERISTICS**

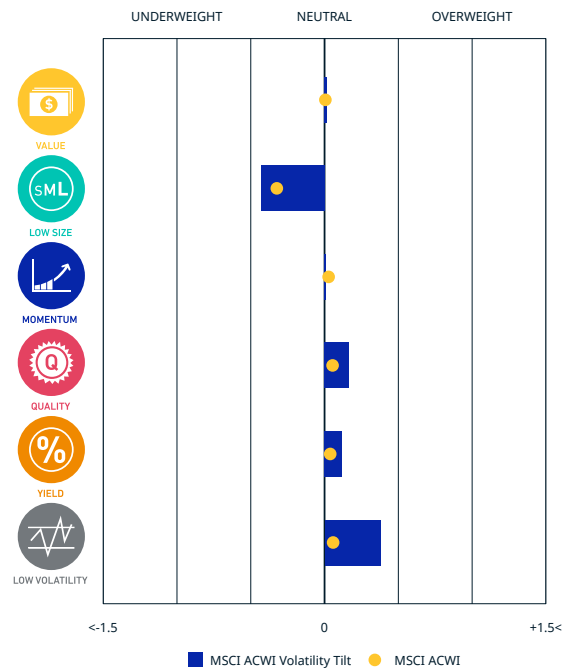
	MSCI ACWI Volatility Tilt	MSCI ACWI
<b>Number of Constituents</b>	2,955	2,979
	<b>Weight (%)</b>	
<b>Largest</b>	4.66	3.59
<b>Smallest</b>	0.00	0.00
<b>Average</b>	0.03	0.03
<b>Median</b>	0.01	0.01

**TOP 10 CONSTITUENTS**

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
MICROSOFT CORP	US	4.66	3.07	Info Tech
APPLE	US	3.44	3.59	Info Tech
AMAZON.COM	US	2.24	2.27	Cons Discr
NESTLE	CH	1.74	0.53	Cons Staples
ALPHABET A	US	1.58	1.22	Comm Svcs
ALPHABET C	US	1.54	1.18	Comm Svcs
JOHNSON & JOHNSON	US	1.34	0.65	Health Care
PROCTER & GAMBLE CO	US	1.12	0.52	Cons Staples
VERIZON COMMUNICATIONS	US	1.07	0.34	Comm Svcs
TAIWAN SEMICONDUCTOR MFG	TW	1.04	0.78	Info Tech
<b>Total</b>		<b>19.76</b>	<b>14.13</b>	

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



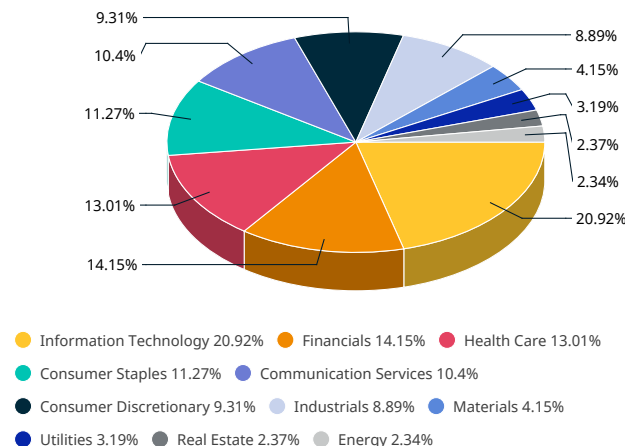
**MSCI FaCS**

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

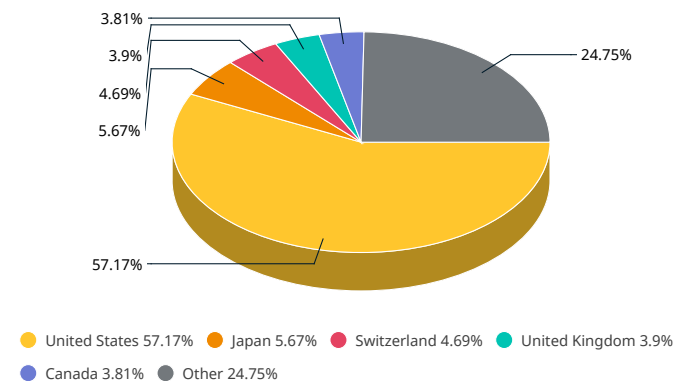
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

**SECTOR WEIGHTS**



**COUNTRY WEIGHTS**



## INDEX METHODOLOGY

The [MSCI Volatility Tilt Indexes](#) aim to reflect the performance of a low Volatility strategy with high investment capacity. The MSCI Volatility Tilt Indexes are created by including all the constituents in the Parent Index and tilting the market capitalization weights of securities, based on inverse of security price variance. The MSCI Volatility Tilt Indexes aim to capture the low volatility premium with a simple and transparent methodology while maintaining reasonably high trading liquidity and investment capacity of constituent companies, as well as moderate Index turnover. For a given rebalancing effective date, all the securities in the Parent Index are weighted by the product of their market capitalization weight in the Parent index and the inverse of security level price variance. The MSCI Volatility Tilt Indexes are rebalanced on a semi-annual basis, as of close of the last business day of May and November.

## FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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