

MSCI EAFE INDEX (USD)

The MSCI EAFE Index is an equity index which captures large and mid cap representation across 21 Developed Markets countries* around the world, excluding the US and Canada. With 920 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

CUMULATIVE INDEX PERFORMANCE - GROSS RETURNS (USD) (DEC 2003 – DEC 2018)



ANNUAL PERFORMANCE (%)

Year	MSCI EAFE	MSCI World	MSCI ACWI
2018	-13.36	-8.20	-8.93
2017	25.62	23.07	24.62
2016	1.51	8.15	8.48
2015	-0.39	-0.32	-1.84
2014	-4.48	5.50	4.71
2013	23.29	27.37	23.44
2012	17.90	16.54	16.80
2011	-11.73	-5.02	-6.86
2010	8.21	12.34	13.21
2009	32.46	30.79	35.41
2008	-43.06	-40.33	-41.85
2007	11.63	9.57	12.18
2006	26.86	20.65	21.53
2005	14.02	10.02	11.37

INDEX PERFORMANCE — GROSS RETURNS (%) (DEC 31, 2018)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 31, 1987
MSCI EAFE	-4.83	-12.50	-13.36	-13.36	3.38	1.00	6.81	5.28
MSCI World	-7.57	-13.31	-8.20	-8.20	6.91	5.14	10.29	7.48
MSCI ACWI	-7.00	-12.65	-8.93	-8.93	7.18	4.82	10.05	7.44

FUNDAMENTALS (DEC 31, 2018)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.68	13.23	11.88	1.46
2.76	16.09	13.45	2.15
2.78	15.47	13.02	2.05

INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 2018)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2, 3}			Since Dec 31, 1987	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI EAFE	1.93	11.43	11.80	16.27	0.24	0.08	0.45	na	60.15	2007-10-31—2009-03-09
MSCI World	2.02	10.54	10.78	14.39	0.57	0.45	0.72	na	57.46	2007-10-31—2009-03-09
MSCI ACWI	2.40	10.63	10.87	14.65	0.59	0.42	0.69	0.33	58.06	2007-10-31—2009-03-09

¹ Last 12 months

² Based on monthly gross returns data

³ Based on ICE LIBOR 1M

* Developed Markets countries in the MSCI EAFE Index include: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland and the UK.

The MSCI EAFE Index was launched on Mar 31, 1986. 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.

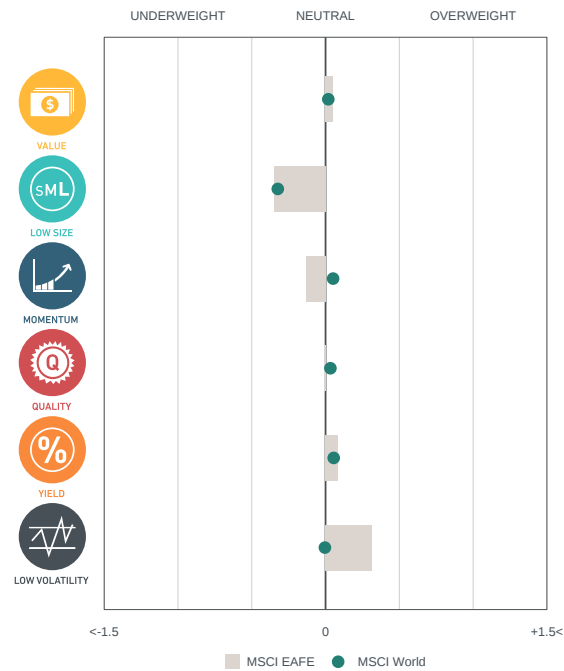
INDEX CHARACTERISTICS

MSCI EAFE	
Number of Constituents	920
Mkt Cap (USD Millions)	
Index	12,489,309.31
Largest	247,948.27
Smallest	1,153.78
Average	13,575.34
Median	6,541.57

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
NESTLE	CH	247.95	1.99	Cons Staples
NOVARTIS	CH	184.83	1.48	Health Care
ROCHE HOLDING GENUSS	CH	173.47	1.39	Health Care
HSBC HOLDINGS (GB)	GB	164.01	1.31	Financials
ROYAL DUTCH SHELL A	GB	135.05	1.08	Energy
TOYOTA MOTOR CORP	JP	133.36	1.07	Cons Discr
TOTAL	FR	126.59	1.01	Energy
BP	GB	126.19	1.01	Energy
ROYAL DUTCH SHELL B	GB	111.62	0.89	Energy
AIA GROUP	HK	100.26	0.80	Financials
Total		1,503.32	12.04	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN MSCI FACTOR BOX



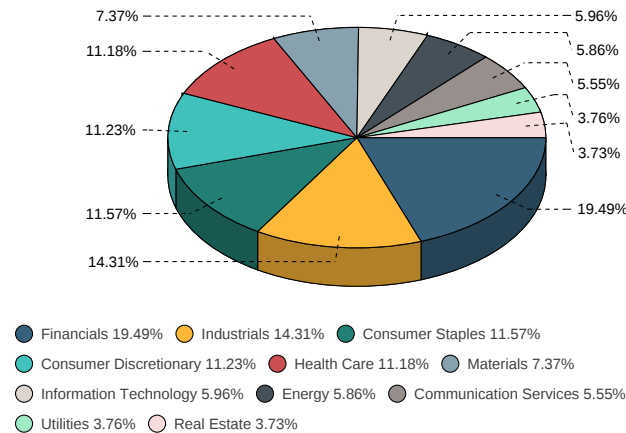
MSCI FaCS

- 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

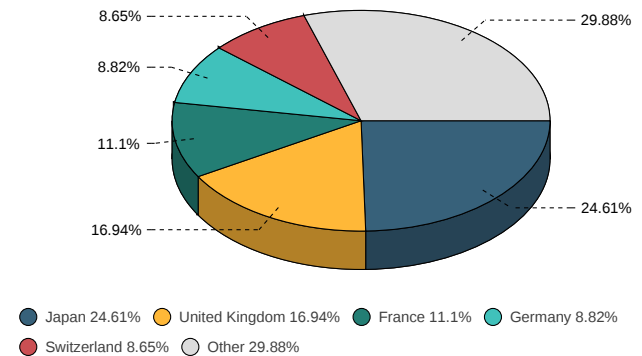
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



INDEX METHODOLOGY

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#) —a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large and mid capitalization cutoff points are recalculated.

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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