

MSCI EUROPE LARGE CAP INDEX (USD)

The MSCI Europe Large Cap Index captures large cap representation across 15 Developed Markets (DM) countries in Europe*. With 192 constituents, the index covers approximately 70% of the free float-adjusted market capitalization across the European Developed Markets equity universe.

CUMULATIVE INDEX PERFORMANCE - NET RETURNS (USD) (SEP 2004 – SEP 2019)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe Large Cap	MSCI Europe IMI	MSCI ACWI IMI
2018	-14.20	-15.53	-10.08
2017	24.37	26.76	23.95
2016	0.03	-0.62	8.36
2015	-4.20	-1.32	-2.19
2014	-6.53	-6.21	3.84
2013	24.35	26.68	23.55
2012	18.50	20.10	16.38
2011	-10.01	-12.06	-7.89
2010	2.34	5.60	14.35
2009	34.37	38.13	36.41
2008	-45.62	-47.13	-42.34
2007	15.77	13.06	11.16
2006	31.35	35.44	20.95
2005	8.73	10.33	11.54

INDEX PERFORMANCE — NET RETURNS (%) (SEP 30, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since May 31, 1994
MSCI Europe Large Cap	2.76	-1.90	0.28	13.51	6.66	1.92	4.30	6.60
MSCI Europe IMI	2.69	-1.92	-1.69	13.52	6.46	2.73	4.98	6.89
MSCI ACWI IMI	2.10	-0.18	0.48	15.87	9.36	6.61	8.45	6.81

FUNDAMENTALS (SEP 30, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.81	15.92	13.31	1.77
3.52	16.33	13.88	1.81
2.48	18.18	15.39	2.19

INDEX RISK AND RETURN CHARACTERISTICS (SEP 30, 2019)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2, 3}			Since May 31, 1994	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI Europe Large Cap	2.21	12.41	13.09	16.26	0.45	0.13	0.30	0.30	62.40	2007-10-31—2009-03-09
MSCI Europe IMI	1.79	12.63	13.18	16.43	0.43	0.18	0.34	0.32	63.37	2007-10-31—2009-03-09
MSCI ACWI IMI	2.75	11.44	11.74	13.32	0.69	0.51	0.63	0.33	58.59	2007-10-31—2009-03-09

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

* DM countries in Europe include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

The MSCI Europe Large Cap Index was launched on Jun 05, 2007. 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

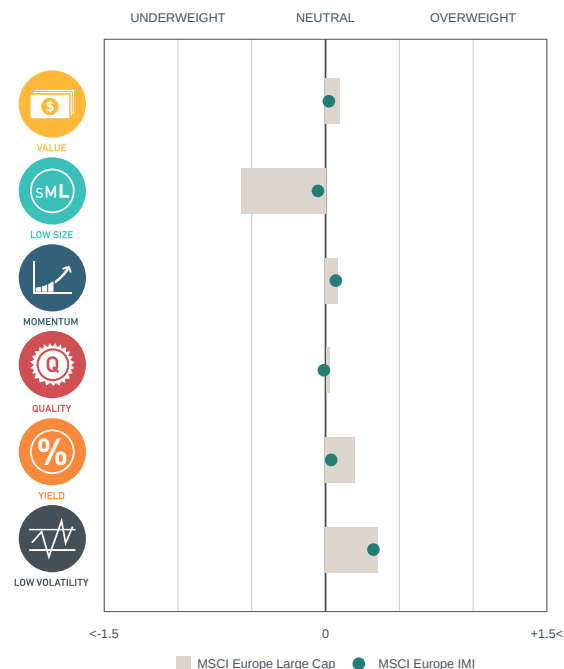
MSCI Europe Large Cap	
Number of Constituents	192
Mkt Cap (USD Millions)	
Index	6,881,733.78
Largest	332,609.58
Smallest	2,807.39
Average	35,842.36
Median	22,088.94

TOP 10 CONSTITUENTS

Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
CH	332.61	4.83	Cons Staples
CH	204.64	2.97	Health Care
CH	186.44	2.71	Health Care
GB	155.76	2.26	Financials
GB	129.32	1.88	Energy
GB	127.88	1.86	Energy
FR	124.82	1.81	Energy
GB	117.37	1.71	Health Care
DE	115.59	1.68	Info Tech
GB	110.59	1.61	Energy
Total		1,605.03	23.32

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



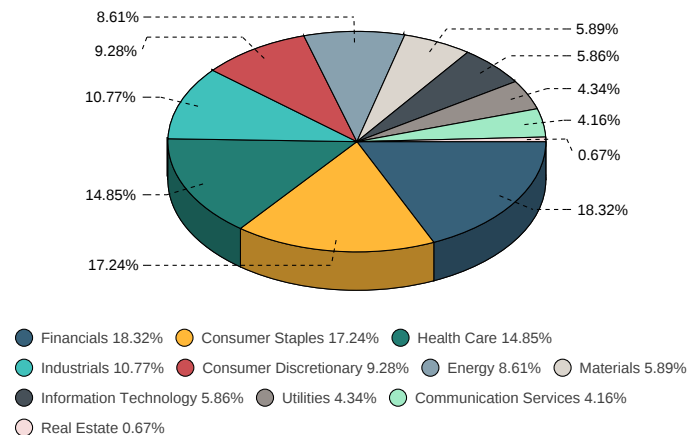
MSCI FaCS

- 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

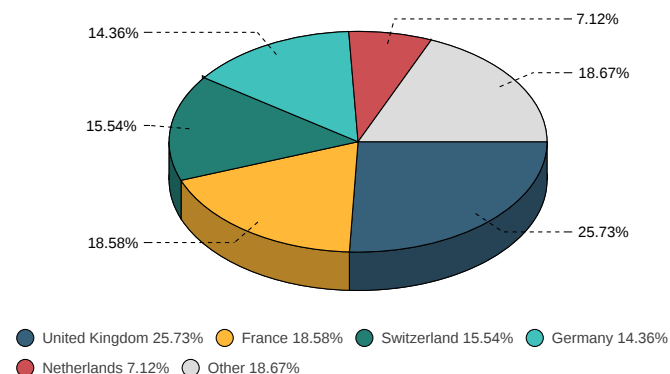
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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 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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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