

MSCI EMERGING MARKETS LARGE CAP INDEX (USD)

The MSCI Emerging Markets (EM) Large Cap Index includes large-cap representation across 24 Emerging Markets countries*. With 762 constituents, the index covers approximately 70% of the free float-adjusted market capitalization in each country.

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



ANNUAL PERFORMANCE (%)

Year	MSCI EM Large Cap	MSCI Emerging Markets	MSCI ACWI Large Cap
2018	-14.85	-14.57	-8.63
2017	37.70	37.28	23.87
2016	12.47	11.19	8.00
2015	-15.23	-14.92	-2.52
2014	-2.11	-2.19	4.12
2013	-2.55	-2.60	22.48
2012	17.79	18.22	15.99
2011	-17.65	-18.42	-6.90
2010	18.34	18.88	11.12
2009	75.92	78.51	33.15
2008	-52.75	-53.33	-41.59
2007	37.85	39.42	12.32
2006	31.54	32.14	20.73
2005	35.89	34.00	9.66

INDEX PERFORMANCE — NET RETURNS (%) (MAR 29, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 29, 2000
MSCI EM Large Cap	0.92	10.36	-7.30	10.36	11.21	3.98	8.94	8.60
MSCI Emerging Markets	0.84	9.92	-7.41	9.92	10.68	3.68	8.94	9.09
MSCI ACWI Large Cap	1.38	12.00	3.44	12.00	11.04	6.63	11.81	4.72

FUNDAMENTALS (MAR 29, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.69	12.86	11.76	1.66
2.71	13.11	11.84	1.64
2.60	16.78	14.59	2.31

INDEX RISK AND RETURN CHARACTERISTICS (MAR 29, 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 EM Large Cap	9.98	13.15	15.44	18.67	0.77	0.27	0.52	0.41	64.75	2007-10-29—2008-10-27
MSCI Emerging Markets	6.94	13.02	15.25	18.70	0.74	0.25	0.52	0.44	65.25	2007-10-29—2008-10-27
MSCI ACWI Large Cap	2.83	9.87	11.00	13.78	0.97	0.56	0.84	0.32	57.84	2007-10-31—2009-03-09

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

* EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI Emerging Markets 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

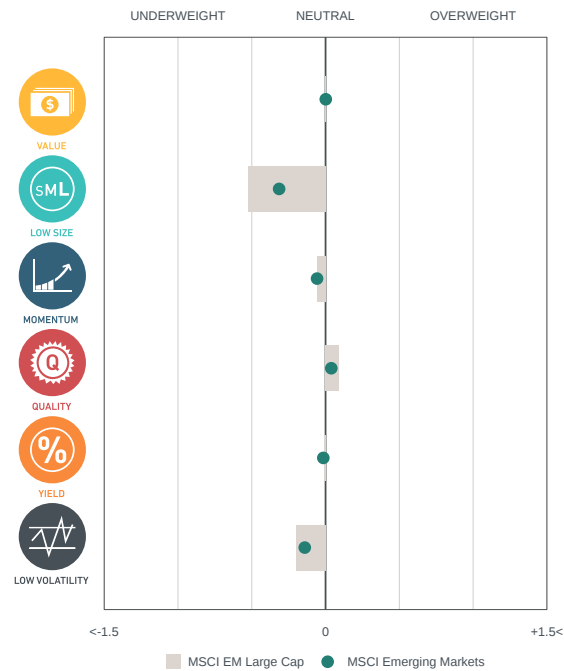
MSCI EM Large Cap	
Number of Constituents	762
Mkt Cap (USD Millions)	
Index	4,592,758.44
Largest	262,687.30
Smallest	39.71
Average	6,027.24
Median	2,498.48

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
TENCENT HOLDINGS LI (CN)	CN	262.69	5.72	Comm Svcs
ALIBABA GROUP HLDG ADR	CN	236.47	5.15	Cons Discr
TAIWAN SEMICONDUCTOR MFG	TW	196.22	4.27	Info Tech
SAMSUNG ELECTRONICS CO	KR	187.86	4.09	Info Tech
NASPERS N	ZA	101.35	2.21	Cons Discr
CHINA CONSTRUCTION BK H	CN	82.45	1.80	Financials
CHINA MOBILE	CN	62.60	1.36	Comm Svcs
PING AN INSURANCE H	CN	58.38	1.27	Financials
RELIANCE INDUSTRIES	IN	56.13	1.22	Energy
ICBC H	CN	50.86	1.11	Financials
Total		1,295.01	28.20	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



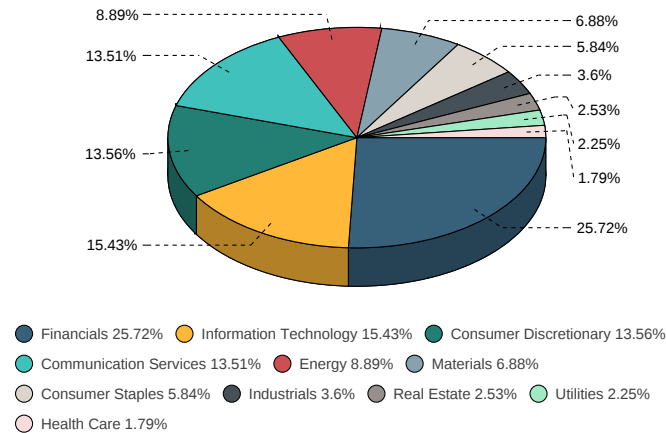
MSCI FaCS

- 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

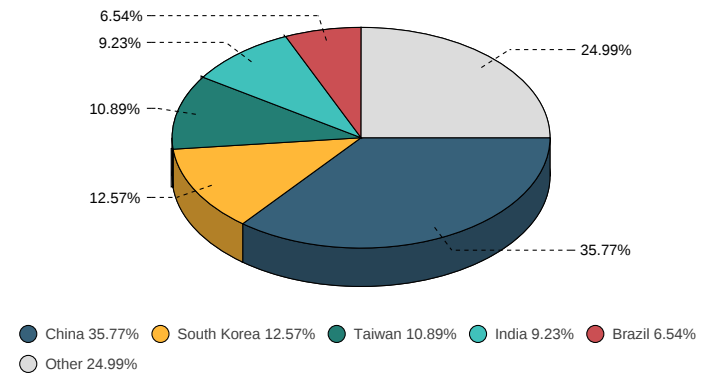
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

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