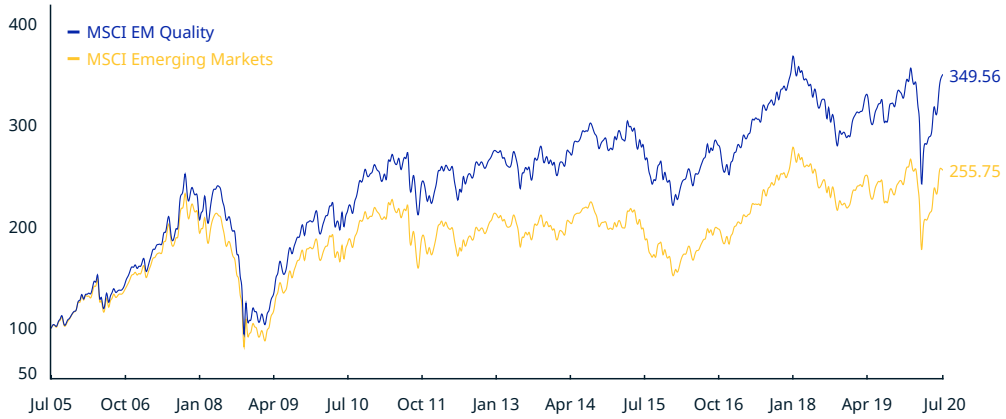
MSCI Emerging Markets Quality Index (USD)

The MSCI Emerging Markets Quality Index is based on the MSCI Emerging Markets Index, its parent index, which includes large and mid cap stocks across 26 Emerging Markets (EM) countries*. The index aims to capture the performance of quality growth stocks by identifying stocks with high quality scores based on three main fundamental variables: high return on equity (ROE), stable year-over-year earnings growth and low financial leverage. The MSCI Quality Indexes complement existing MSCI Factor Indexes and can provide an effective diversification role in a portfolio of factor strategies.

CUMULATIVE INDEX PERFORMANCE — NET RETURNS (USD) (JUL 2005 – JUL 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI EM Quality	MSCI Emerging Markets
2019	19.62	18.42
2018	-16.48	-14.57
2017	34.24	37.28
2016	6.57	11.19
2015	-12.55	-14.92
2014	3.58	-2.19
2013	-1.28	-2.60
2012	19.04	18.22
2011	-12.07	-18.42
2010	24.25	18.88
2009	78.95	78.51
2008	-50.40	-53.33
2007	43.73	39.42
2006	38.34	32.14

INDEX PERFORMANCE — NET RETURNS (%) (JUL 31, 2020)

					ANNUALIZED							
	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr	Since Dec 29, 2000	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI EM Quality	10.64	17.67	8.86	0.91	3.17	5.26	4.87	10.21	2.19	22.91	21.60	5.42
MSCI Emerging Markets	8.94	17.84	6.55	-1.72	2.84	6.15	3.33	8.76	2.36	17.39	14.94	1.76

FUNDAMENTALS (JUL 31, 2020)

INDEX RISK AND RETURN CHARACTERISTICS (DEC 29, 2000 – JUL 31, 2020)

				ANNUALIZED STD DEV (%) [2]			SHARPE RATIO [2,3]			MAXIMUM DRAWDOWN	
	Beta	Tracking Error (%)	Turnover (%) [1]	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since Dec 29, 2000	(%)	Period YYYY-MM-DD
MSCI EM Quality	0.93	4.32	31.77	17.93	16.66	15.98	0.16	0.31	0.33	0.50	63.06	2007-10-29—2008-10-27
MSCI Emerging Markets	1.00	0.00	10.60	18.91	17.95	17.91	0.15	0.35	0.23	0.42	65.25	2007-10-29—2008-10-27

[1] Last 12 months [2] Based on monthly net returns data [3] Based on ICE LIBOR 1M

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

The MSCI Emerging Markets Quality Index was launched on Dec 18, 2012. 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

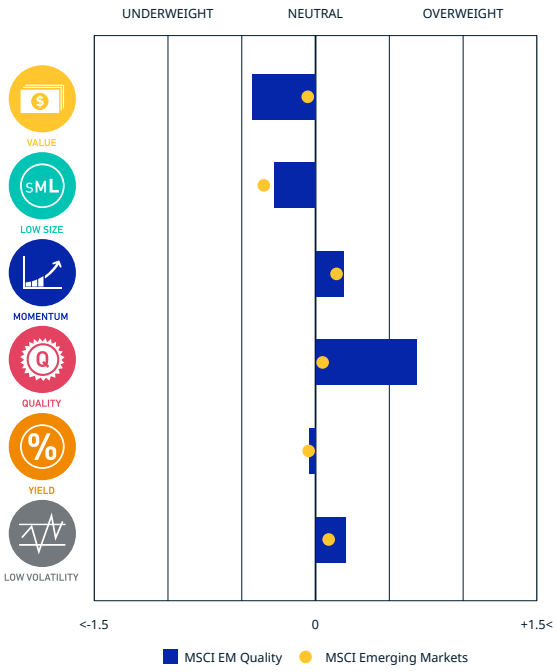
	MSCI EM Quality	MSCI Emerging Markets
Number of Constituents	199	1,385
	Weight (%)	
Largest	6.25	7.51
Smallest	0.02	0.00
Average	0.50	0.07
Median	0.24	0.02

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
TAIWAN SEMICONDUCTOR MFG	TW	6.25	5.70	Info Tech
INFOSYS	IN	5.66	0.70	Info Tech
TENCENT HOLDINGS LI (CN)	CN	5.20	6.29	Comm Srvcs
TATA CONSULTANCY	IN	3.84	0.44	Info Tech
HINDUSTAN UNILEVER	IN	3.45	0.39	Cons Staples
KWEICHOW MOUTAI A (HK-C)	CN	2.48	0.29	Cons Staples
BANK CENTRAL ASIA	ID	2.20	0.34	Financials
AL RAJHI BANKING & INV	SA	2.18	0.31	Financials
NEW ORIENTAL EDUCAT ADR	CN	2.14	0.32	Cons Discr
YUM CHINA HOLDINGS	CN	2.02	0.29	Cons Discr
Total		35.41	15.05	

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

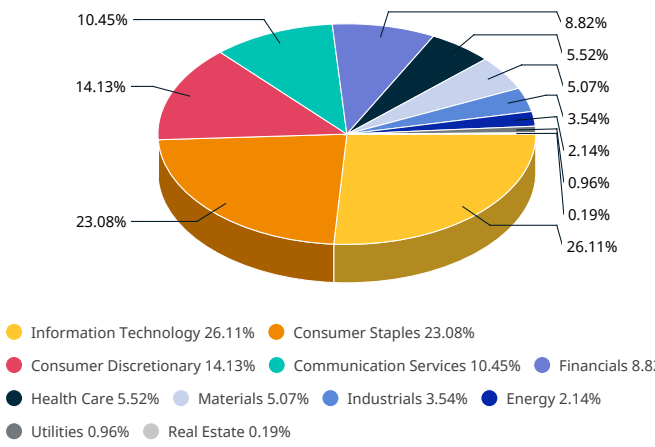
YIELD
Cash Flow Paid Out

LOW VOLATILITY
Lower Risk Stocks

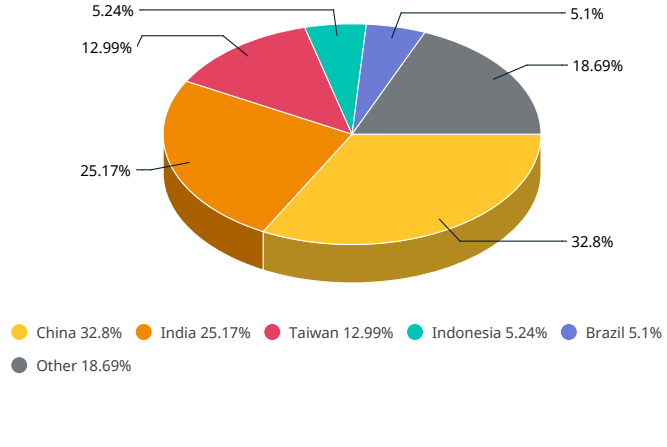
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



INDEX METHODOLOGY

The MSCI Quality Indexes aim to capture the quality factor with a simple and transparent methodology that ensures reasonably high trading liquidity and investment capacity of constituent companies, as well as moderate index turnover. A quality score for each security is calculated by combining Z scores of three winsorized fundamental variables—Return on Equity, Debt to Equity and Earnings Variability. MSCI then averages the Z scores of each of the three fundamental variables to calculate a composite quality Z score for each security, and then ranks all constituents of the parent index based on their quality scores.

The MSCI Quality Indexes are constructed with a fixed number of securities approach. A fixed number of securities with the highest positive quality scores is determined for each MSCI Quality Index with the goal of achieving high exposure to the quality factor while maintaining sufficient index market capitalization and number of securities coverage. All securities eligible for inclusion in the MSCI Quality Indexes are weighted by the product of their market cap weight in the parent index and their quality score. Issuer weights are capped at 5%.

The Quality indexes are rebalanced semi-annually, as of the close of the last business day of November and May.

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.