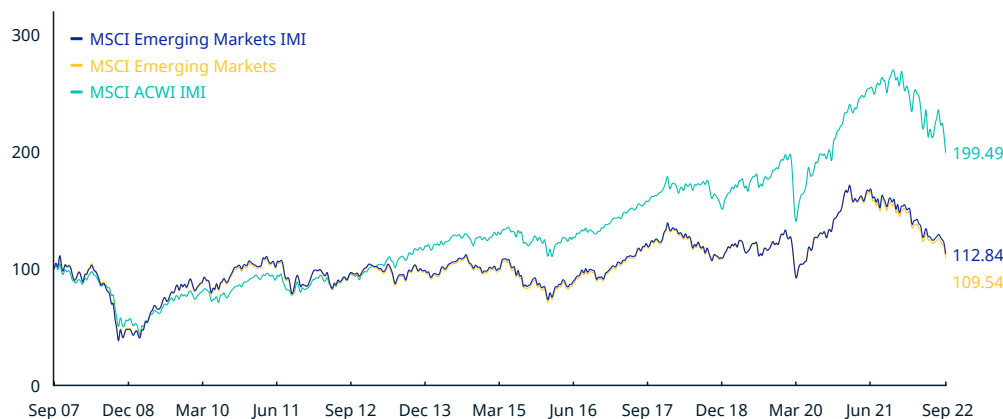


MSCI Emerging Markets IMI (USD)

The MSCI Emerging Markets Investable Market Index (IMI) captures large, mid and small cap representation across 24 Emerging Markets countries*. With 3,210 constituents, the index covers approximately 99% of the free float-adjusted market capitalization in each country.

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (SEP 2007 – SEP 2022)



ANNUAL PERFORMANCE (%)

Year	MSCI Emerging Markets IMI	MSCI Emerging Markets	MSCI ACWI IMI
2021	0.06	-2.22	18.71
2020	18.78	18.69	16.81
2019	18.10	18.88	27.04
2018	-14.71	-14.24	-9.61
2017	37.28	37.75	24.58
2016	10.30	11.60	8.96
2015	-13.55	-14.60	-1.68
2014	-1.42	-1.82	4.36
2013	-1.86	-2.27	24.17
2012	19.08	18.63	17.04
2011	-19.24	-18.17	-7.43
2010	20.22	19.20	14.87
2009	82.88	79.02	37.18
2008	-53.63	-53.18	-42.01

INDEX PERFORMANCE – GROSS RETURNS (%) (SEP 30, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1994	FUNDAMENTALS (SEP 30, 2022)			
					3 Yr	5 Yr	10 Yr	Div Yld (%)		P/E	P/E Fwd	P/BV	
MSCI Emerging Markets IMI	-11.46	-10.62	-27.18	-26.51	-0.83	-1.07	1.63	4.16	3.61	11.77	10.22	1.49	
MSCI Emerging Markets	-11.67	-11.42	-27.80	-26.89	-1.71	-1.44	1.42	4.69	3.63	11.48	10.20	1.52	
MSCI ACWI IMI	-9.61	-6.52	-20.81	-25.43	4.12	4.67	7.79	6.91	2.46	15.70	13.22	2.24	

INDEX RISK AND RETURN CHARACTERISTICS (SEP 30, 2022)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 1994	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Emerging Markets IMI	5.51	19.49	17.80	16.02	0.02	-0.04	0.13	0.18	65.34	2007-10-31–2008-10-27
MSCI Emerging Markets	5.59	19.19	17.69	16.08	-0.03	-0.06	0.12	0.21	65.14	2007-10-29–2008-10-27
MSCI ACWI IMI	2.66	19.82	17.47	14.18	0.27	0.28	0.55	0.35	58.28	2007-10-31–2009-03-09

¹ Last 12 months

² Based on monthly gross returns data

³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

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

The MSCI Emerging Markets IMI was launched on Jun 05, 2007. Data prior to the launch date is back-tested test (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

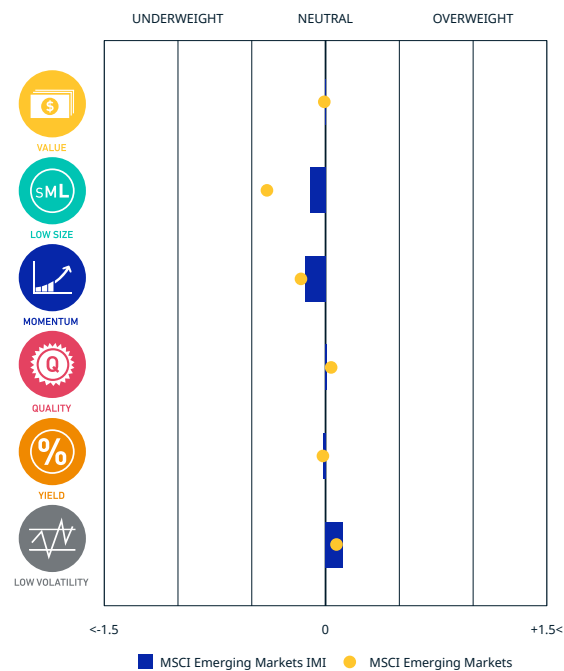
MSCI Emerging Markets IMI	
Number of Constituents	3,210
Mkt Cap (USD Millions)	
Index	6,607,776.29
Largest	327,427.31
Smallest	6.10
Average	2,058.50
Median	501.42

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
TAIWAN SEMICONDUCTOR MFG	TW	327.43	4.96	Info Tech
TENCENT HOLDINGS LI (CN)	CN	212.03	3.21	Comm Svcs
SAMSUNG ELECTRONICS CO	KR	177.25	2.68	Info Tech
ALIBABA GRP HLDG (HK)	CN	150.75	2.28	Cons Discr
MEITUAN B	CN	92.91	1.41	Cons Discr
RELIANCE INDUSTRIES	IN	88.98	1.35	Energy
INFOSYS	IN	58.48	0.89	Info Tech
CHINA CONSTRUCTION BK H	CN	55.62	0.84	Financials
JD.COM (HK)	CN	54.56	0.83	Cons Discr
ICICI BANK	IN	54.51	0.82	Financials
Total		1,272.53	19.26	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



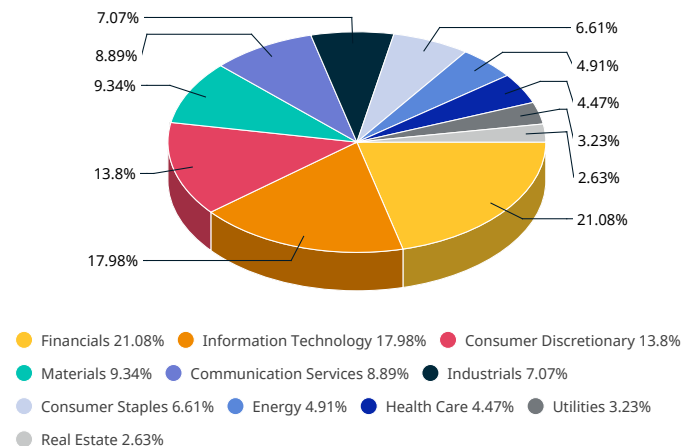
MSCI FaCS

- 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

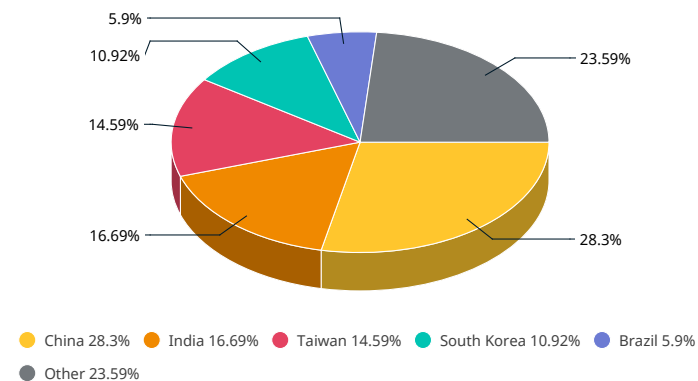
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



INDEX FRAMEWORK

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, mid and small capitalization cutoff points are recalculated.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method 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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