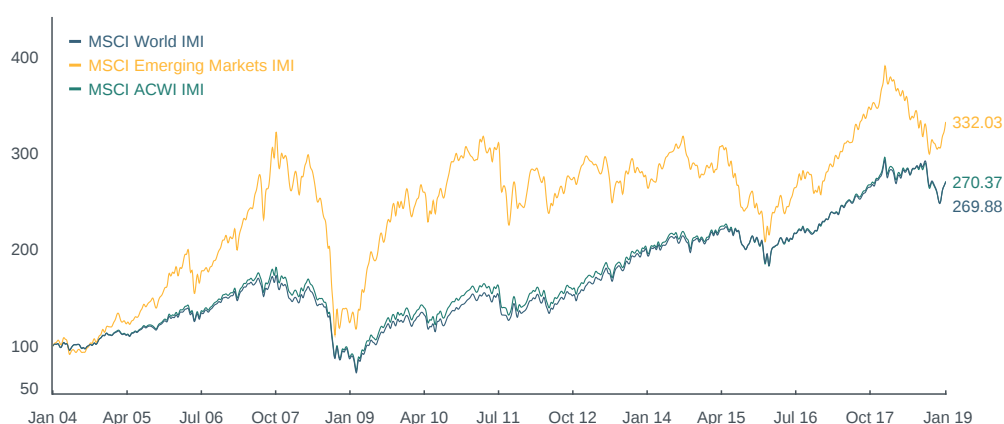


MSCI WORLD IMI INDEX (USD)

The MSCI World Investable Market Index (IMI) captures large, mid and small cap representation across 23 Developed Markets countries*. With 5,994 constituents, the index is comprehensive, covering approximately 99% of the free float-adjusted market capitalization in each country.

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



ANNUAL PERFORMANCE (%)

Year	MSCI World IMI	MSCI Emerging Markets IMI	MSCI ACWI IMI
2018	-9.41	-15.04	-10.08
2017	22.44	36.83	23.95
2016	8.19	9.90	8.36
2015	-0.80	-13.86	-2.19
2014	4.52	-1.79	3.84
2013	27.42	-2.20	23.55
2012	16.06	18.68	16.38
2011	-6.03	-19.49	-7.89
2010	13.54	19.90	14.35
2009	31.57	82.36	36.41
2008	-40.82	-53.78	-42.34
2007	8.49	39.83	11.16
2006	20.10	31.70	20.95
2005	10.27	33.47	11.54

INDEX PERFORMANCE — NET RETURNS (%) (JAN 31, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since May 31, 1994
MSCI World IMI	8.11	0.72	-6.77	8.11	11.42	6.86	11.82	6.92
MSCI Emerging Markets IMI	8.38	10.14	-14.74	8.38	14.06	4.50	9.85	4.72
MSCI ACWI IMI	8.14	1.73	-7.74	8.14	11.69	6.62	11.58	6.70

FUNDAMENTALS (JAN 31, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.53	17.61	14.78	2.21
2.76	13.07	11.42	1.57
2.56	16.92	14.29	2.11

INDEX RISK AND RETURN CHARACTERISTICS (JAN 31, 2019)

	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 World IMI	1.97	10.83	11.22	14.41	0.94	0.58	0.81	0.34	58.03	2007-10-31—2009-03-09
MSCI Emerging Markets IMI	5.71	14.58	15.09	19.29	0.89	0.31	0.56	0.20	65.44	2007-10-31—2008-10-27
MSCI ACWI IMI	2.32	10.86	11.26	14.67	0.96	0.55	0.79	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

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

The MSCI World IMI 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

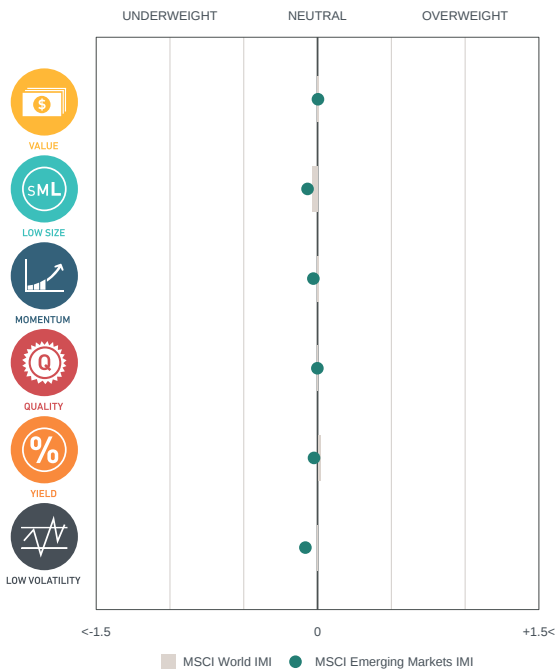
MSCI World IMI	
Number of Constituents	5,994
Mkt Cap (USD Millions)	
Index	44,365,846.95
Largest	803,892.88
Smallest	44.72
Average	7,401.71
Median	1,398.30

TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
APPLE	803.89	1.81	Info Tech
MICROSOFT CORP	760.75	1.71	Info Tech
AMAZON.COM	712.55	1.61	Cons Discr
FACEBOOK A	402.00	0.91	Comm Srvcs
JOHNSON & JOHNSON	357.02	0.80	Health Care
ALPHABET C	351.54	0.79	Comm Srvcs
JPMORGAN CHASE & CO	347.85	0.78	Financials
ALPHABET A	336.54	0.76	Comm Srvcs
EXXON MOBIL CORP	310.25	0.70	Energy
BANK OF AMERICA CORP	270.15	0.61	Financials
Total	4,652.56	10.49	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



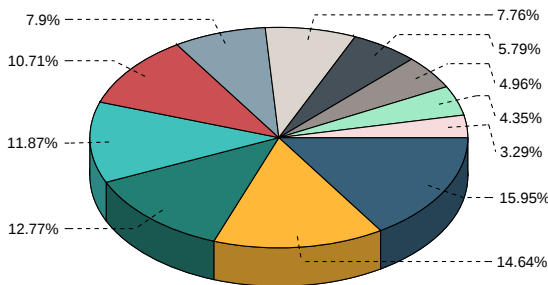
MSCI FaCS

- 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.

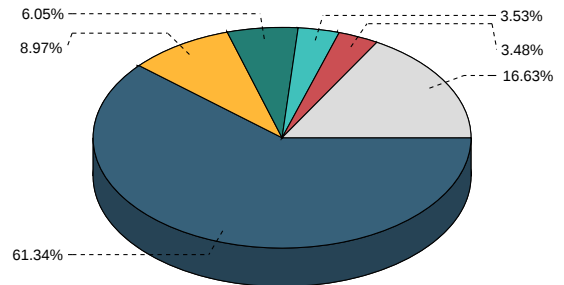
Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



- Financials 15.95%
- Information Technology 14.64%
- Health Care 12.77%
- Industrials 11.87%
- Consumer Discretionary 10.71%
- Consumer Staples 7.9%
- Communication Services 7.76%
- Energy 5.79%
- Materials 4.96%
- Real Estate 4.35%
- Utilities 3.29%

COUNTRY WEIGHTS



- United States 61.34%
- Japan 8.97%
- United Kingdom 6.05%
- Canada 3.53%
- France 3.48%
- Other 16.63%

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, mid and small 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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