

MSCI WORLD ALL CAP INDEX (USD)

The MSCI World All Cap Index captures large, mid, small and micro cap representation across 23 Developed Markets (DM) countries*. With 11,760 constituents, the index is comprehensive, covering approximately 99% of the free float-adjusted market capitalization in each country.

CUMULATIVE INDEX PERFORMANCE - GROSS RETURNS (USD) (NOV 2007 – OCT 2018)



ANNUAL PERFORMANCE (%)

Year	MSCI World All Cap	MSCI World	MSCI ACWI All Cap
2017	23.16	23.07	24.63
2016	8.87	8.15	9.00
2015	-0.25	-0.32	-1.65
2014	4.99	5.50	4.30
2013	28.12	27.37	24.24
2012	16.72	16.54	17.01
2011	-5.63	-5.02	-7.49
2010	14.30	12.34	15.04
2009	32.61	30.79	37.36
2008	-40.61	-40.33	-42.12

INDEX PERFORMANCE — GROSS RETURNS (%) (OCT 31, 2018)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Nov 30, 2007
MSCI World All Cap	-7.69	-6.10	1.15	-2.42	8.63	7.35	10.98	5.07
MSCI World	-7.32	-5.57	1.71	-1.86	8.52	7.40	10.65	4.84
MSCI ACWI All Cap	-7.82	-6.76	-0.50	-4.07	8.36	6.67	10.67	4.55

FUNDAMENTALS (OCT 31, 2018)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.47	18.69	na	2.22
2.54	17.91	14.37	2.31
2.52	17.78	na	2.11

INDEX RISK AND RETURN CHARACTERISTICS (OCT 31, 2018)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Nov 30, 2007	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI World All Cap	1.98	9.69	10.20	14.52	0.79	0.68	0.76	0.34	56.68	2007-12-10—2009-03-09
MSCI World	2.19	9.50	10.18	14.34	0.80	0.68	0.74	0.33	56.50	2007-12-10—2009-03-09
MSCI ACWI All Cap	2.35	9.91	10.33	14.80	0.75	0.61	0.73	0.31	57.17	2007-12-10—2009-03-09

¹ Last 12 months

² Based on monthly gross returns data

³ Based on ICE LIBOR 1M

* DM 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 All Cap Index was launched on Dec 01, 2010. 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

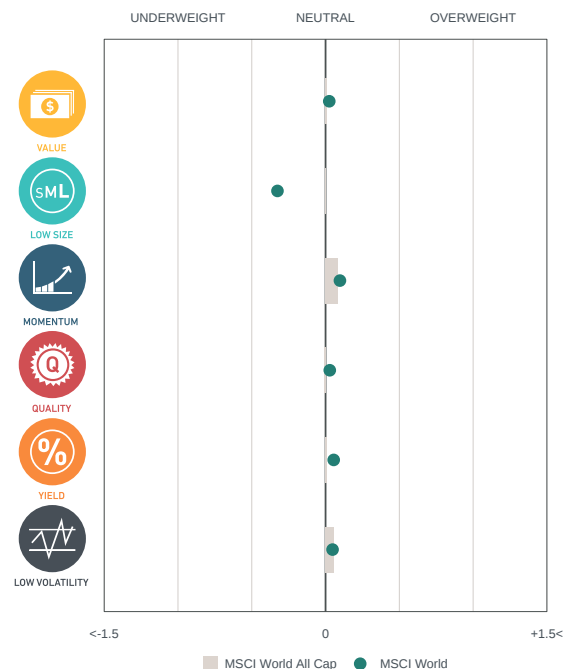
MSCI World All Cap	
Number of Constituents	11,760
Mkt Cap (USD Millions)	
Index	44,894,551.23
Largest	1,075,727.10
Smallest	0.00
Average	3,817.56
Median	246.78

TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
APPLE	1,075.73	2.40	Info Tech
MICROSOFT CORP	779.61	1.74	Info Tech
AMAZON.COM	659.09	1.47	Cons Discr
JOHNSON & JOHNSON	375.47	0.84	Health Care
JPMORGAN CHASE & CO	371.19	0.83	Financials
FACEBOOK A	364.08	0.81	Info Tech
ALPHABET C	338.17	0.75	Info Tech
EXXON MOBIL CORP	337.35	0.75	Energy
ALPHABET A	325.71	0.73	Info Tech
BANK OF AMERICA CORP	264.89	0.59	Financials
Total	4,891.29	10.90	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



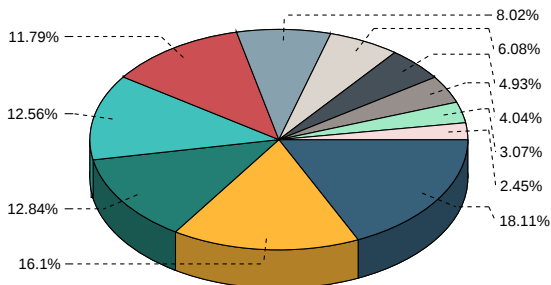
MSCI FaCS

- 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.

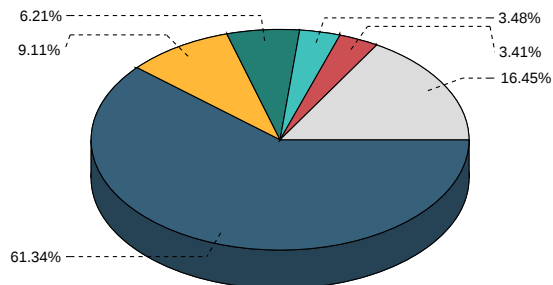
Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



- Information Technology 18.11%
- Financials 16.1%
- Health Care 12.84%
- Consumer Discretionary 12.56%
- Industrials 11.79%
- Consumer Staples 8.02%
- Energy 6.08%
- Materials 4.93%
- Real Estate 4.04%
- Utilities 3.07%
- Telecommunication Services 2.45%

COUNTRY WEIGHTS



- United States 61.34%
- Japan 9.11%
- United Kingdom 6.21%
- France 3.48%
- Canada 3.41%
- Other 16.45%

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, small and micro 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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