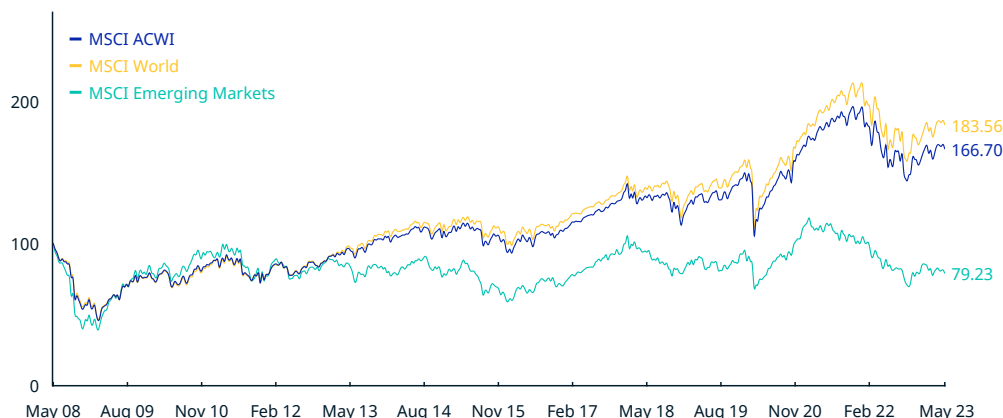


MSCI ACWI Index (USD)

The MSCI ACWI captures large and mid-cap representation across 23 Developed Markets (DM) and 24 Emerging Markets (EM) countries*. With 2,883 constituents, the index covers approximately 85% of the global investable equity opportunity set.

CUMULATIVE INDEX PERFORMANCE – PRICE RETURNS (USD) (MAY 2008 – MAY 2023)



ANNUAL PERFORMANCE (%)

Year	MSCI ACWI	MSCI World	MSCI Emerging Markets
2022	-19.80	-19.46	-22.37
2021	16.80	20.14	-4.59
2020	14.33	14.06	15.84
2019	24.05	25.19	15.42
2018	-11.18	-10.44	-16.63
2017	21.62	20.11	34.35
2016	5.63	5.32	8.58
2015	-4.26	-2.74	-16.96
2014	2.10	2.93	-4.63
2013	20.25	24.10	-4.98
2012	13.43	13.18	15.15
2011	-9.41	-7.61	-20.41
2010	10.42	9.55	16.36
2009	31.51	26.98	74.50

INDEX PERFORMANCE – PRICE RETURNS (%) (MAY 31, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1987
					3 Yr	5 Yr	10 Yr		
MSCI ACWI	-1.32	2.76	-0.99	6.77	8.26	4.90	5.82	5.41	
MSCI World	-1.25	3.17	0.34	7.60	9.25	6.00	6.64	5.59	
MSCI Emerging Markets	-1.90	-0.57	-11.06	0.22	1.00	-3.08	-0.51	6.59	

FUNDAMENTALS (MAY 31, 2023)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.24	18.23	15.55	2.60
2.11	19.16	16.20	2.82
3.38	12.94	11.57	1.57

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2023)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1987	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI ACWI	2.46	17.10	17.79	14.48	0.48	0.27	0.39	0.21	59.61	2007-10-31–2009-03-09
MSCI World	2.23	17.66	18.16	14.64	0.52	0.33	0.44	0.22	59.07	2007-10-31–2009-03-09
MSCI Emerging Markets	4.98	18.25	18.88	16.99	0.08	-0.15	-0.01	0.26	66.05	2007-10-29–2008-10-27

¹ Last 12 months

² Based on monthly price returns data

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

* 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. 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 ACWI Index was launched on May 31, 1990. 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

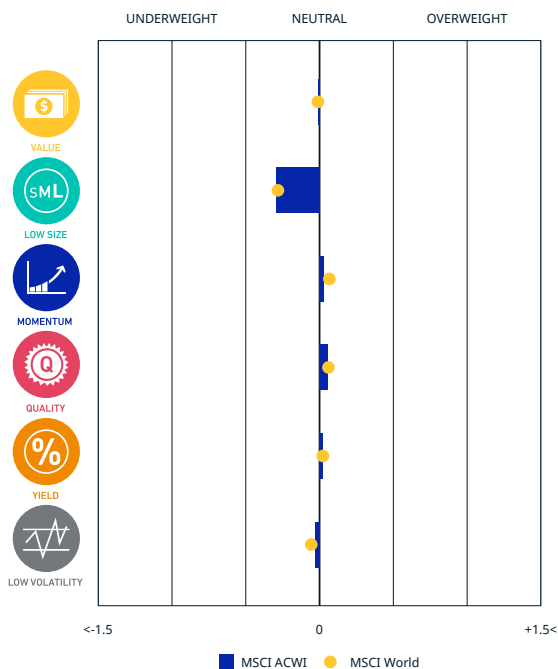
MSCI ACWI	
Number of Constituents	2,883
Mkt Cap (USD Millions)	
Index	59,950,819.21
Largest	2,819,713.92
Smallest	95.49
Average	20,794.60
Median	5,622.93

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
APPLE	US	2,819.71	4.70	Info Tech
MICROSOFT CORP	US	2,325.58	3.88	Info Tech
AMAZON.COM	US	1,107.10	1.85	Cons Discr
NVIDIA	US	930.72	1.55	Info Tech
ALPHABET A	US	733.90	1.22	Comm Srvc
ALPHABET C	US	675.75	1.13	Comm Srvc
META PLATFORMS A	US	595.27	0.99	Comm Srvc
TESLA	US	547.37	0.91	Cons Discr
UNITEDHEALTH GROUP	US	455.25	0.76	Health Care
TAIWAN SEMICONDUCTOR MFG	TW	447.34	0.75	Info Tech
Total		10,637.99	17.74	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



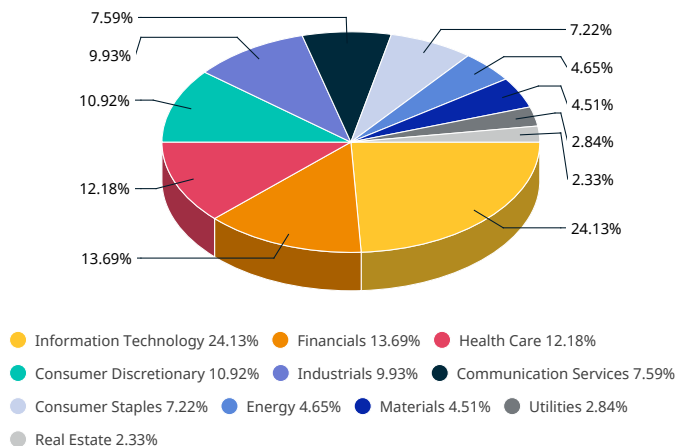
MSCI FaCS

- 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

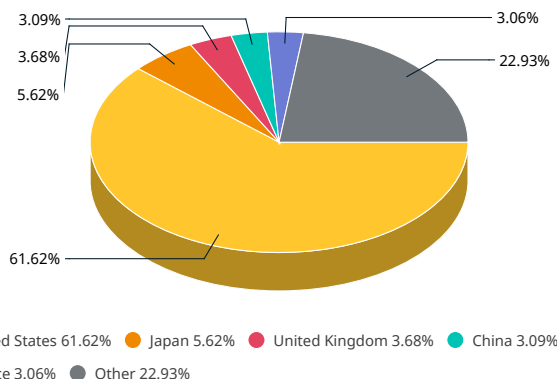
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

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

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.

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