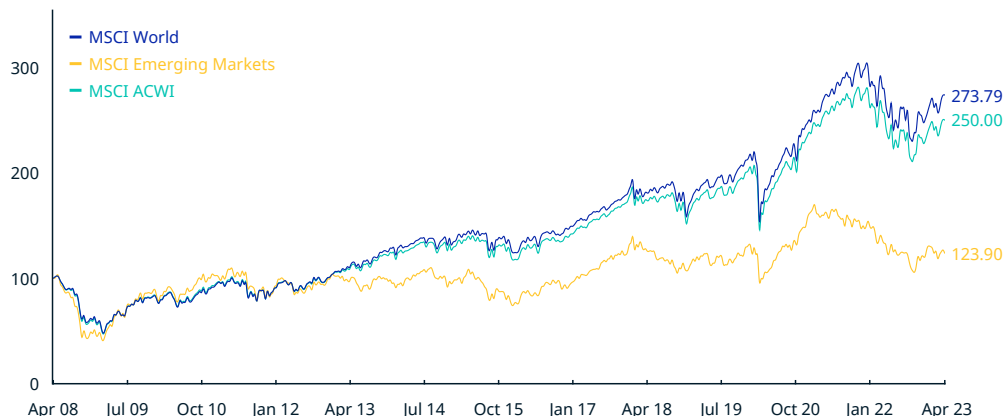


# MSCI World Index (USD)

The MSCI World Index captures large and mid-cap representation across 23 Developed Markets (DM) countries\*. With 1,507 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

## CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (APR 2008 – APR 2023)



## ANNUAL PERFORMANCE (%)

Year	MSCI World	MSCI Emerging Markets	MSCI ACWI
2022	-17.73	-19.74	-17.96
2021	22.35	-2.22	19.04
2020	16.50	18.69	16.82
2019	28.40	18.88	27.30
2018	-8.20	-14.24	-8.93
2017	23.07	37.75	24.62
2016	8.15	11.60	8.48
2015	-0.32	-14.60	-1.84
2014	5.50	-1.82	4.71
2013	27.37	-2.27	23.44
2012	16.54	18.63	16.80
2011	-5.02	-18.17	-6.86
2010	12.34	19.20	13.21
2009	30.79	79.02	35.41

## INDEX PERFORMANCE – GROSS RETURNS (%) (APR 28, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 31, 1987
MSCI World	1.80	2.54	3.72	9.82	13.64	8.69	9.29	8.06
MSCI Emerging Markets	-1.11	-4.68	-6.09	2.86	4.71	-0.67	2.18	9.49
MSCI ACWI	1.48	1.72	2.59	9.04	12.56	7.56	8.47	7.90

## FUNDAMENTALS (APR 28, 2023)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.08	19.39	16.45	2.85
3.33	12.41	11.82	1.60
2.21	18.30	15.80	2.63

## INDEX RISK AND RETURN CHARACTERISTICS (APR 28, 2023)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Dec 31, 1987	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI World	2.23	17.75	18.11	14.62	0.75	0.47	0.61	0.38	57.46	2007-10-31–2009-03-09
MSCI Emerging Markets	4.98	18.21	18.94	17.02	0.28	-0.02	0.15	0.38	65.14	2007-10-29–2008-10-27
MSCI ACWI	2.46	17.16	17.75	14.45	0.72	0.42	0.57	0.37	58.06	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly gross returns data

<sup>3</sup> 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.

The MSCI World Index was launched on Mar 31, 1986. 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

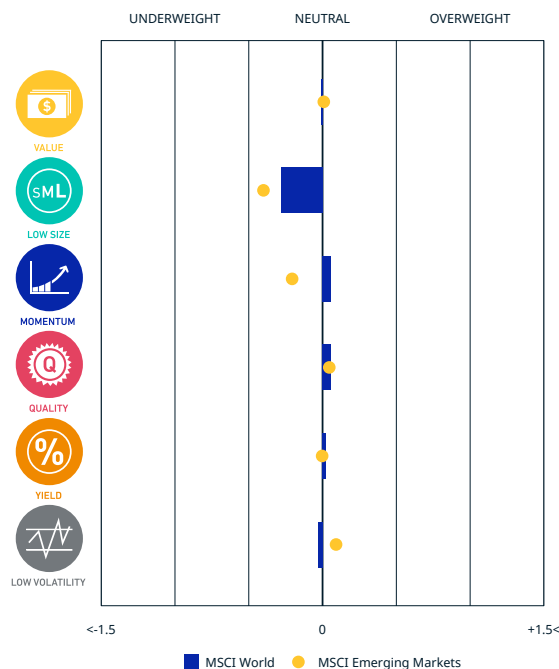
MSCI World	
Number of Constituents	1,507
Mkt Cap (USD Millions)	
Index	54,265,908.27
Largest	2,699,289.46
Smallest	642.07
Average	36,009.23
Median	13,881.99

## TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
APPLE	2,699.29	4.97	Info Tech
MICROSOFT CORP	2,175.94	4.01	Info Tech
AMAZON.COM	968.19	1.78	Cons Discr
NVIDIA	682.63	1.26	Info Tech
ALPHABET A	641.14	1.18	Comm Svcs
ALPHABET C	592.76	1.09	Comm Svcs
META PLATFORMS A	540.40	1.00	Comm Svcs
EXXON MOBIL CORP	487.36	0.90	Energy
UNITEDHEALTH GROUP	459.78	0.85	Health Care
TESLA	441.02	0.81	Cons Discr
Total	9,688.51	17.85	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



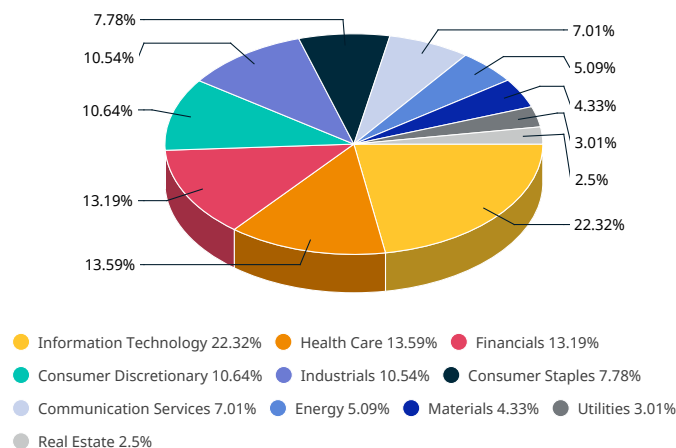
## MSCI FaCS

- 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

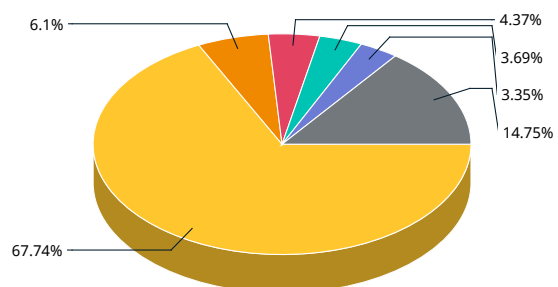
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

## SECTOR WEIGHTS



## COUNTRY WEIGHTS



## INDEX FRAMEWORK

The index is based on the [MSCI Global Investable 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

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