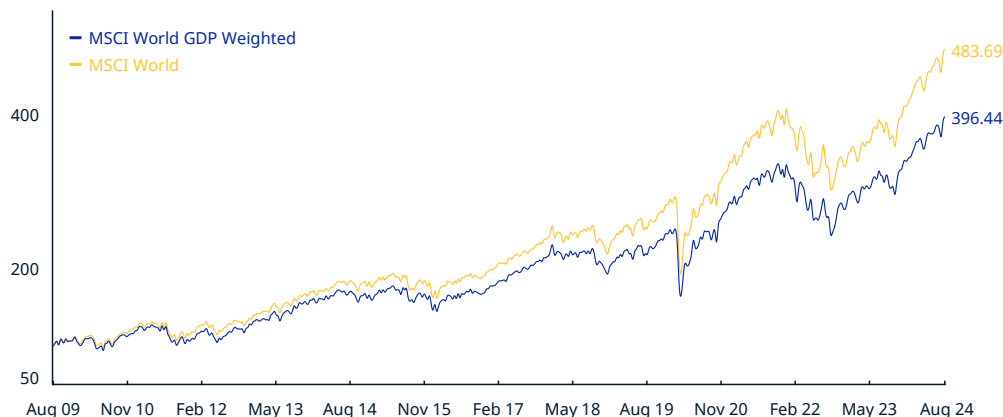


MSCI World GDP Weighted Index (USD)

The **MSCI World GDP Weighted Index** is based on the flagship MSCI World Index, its parent index, and includes large and mid cap stocks across 23 Developed Markets (DM) countries*. The index uses a different weighting scheme than its cap weighted parent index, however. The weight of each country in the index is derived from its economic size (using GDP data) rather than the size of its equity market.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (AUG 2009 – AUG 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI World GDP Weighted	MSCI World
2023	23.70	24.42
2022	-16.78	-17.73
2021	18.88	22.35
2020	13.86	16.50
2019	26.62	28.40
2018	-10.34	-8.20
2017	24.21	23.07
2016	6.53	8.15
2015	-0.44	-0.32
2014	2.02	5.50
2013	26.59	27.37
2012	18.34	16.54
2011	-7.99	-5.02
2010	8.62	12.34

INDEX PERFORMANCE – GROSS RETURNS (%) (AUG 30, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1969
					3 Yr	5 Yr	10 Yr		
MSCI World GDP Weighted	3.05	5.89	23.86	15.88	6.80	12.41	8.84	10.05	
MSCI World	2.68	6.67	25.00	17.09	7.42	13.66	10.15	9.85	

FUNDAMENTALS (AUG 30, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.31	18.53	16.03	2.57
1.78	22.33	18.77	3.43

INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 1969 – AUG 30, 2024)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1969	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI World GDP Weighted	0.99	2.81	5.71	17.32	18.21	15.40	0.28	0.61	0.52	na	58.81	2007-10-31–2009-03-09
MSCI World	1.00	0.00	2.25	17.24	17.76	15.01	0.31	0.69	0.61	na	57.46	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

* 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 GDP Weighted Index was launched on Sep 30, 1988. 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

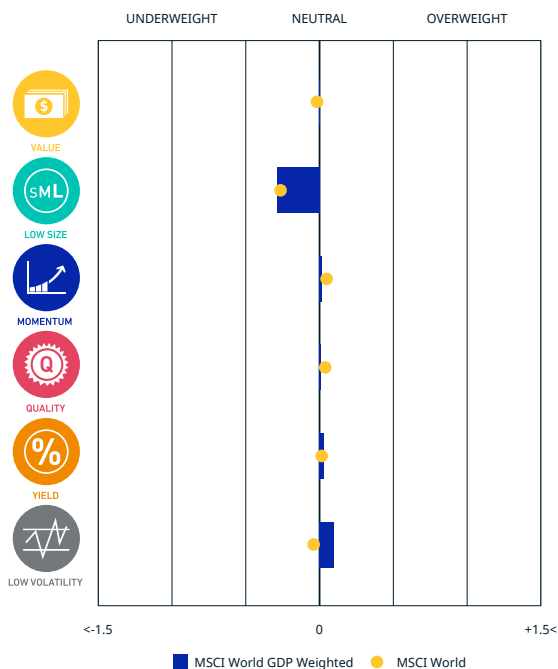
	MSCI World GDP Weighted	MSCI World
Number of Constituents	1,429	1,429
	Weight (%)	
Largest	3.28	4.87
Smallest	0.00	0.00
Average	0.07	0.07
Median	0.03	0.03

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
APPLE	US	3.28	4.87	Info Tech
NVIDIA	US	2.92	4.32	Info Tech
MICROSOFT CORP	US	2.88	4.27	Info Tech
AMAZON.COM	US	1.63	2.42	Cons Discr
SAP	DE	1.15	0.33	Info Tech
META PLATFORMS A	US	1.12	1.65	Comm Srvc
ALPHABET A	US	0.94	1.39	Comm Srvc
ALPHABET C	US	0.82	1.22	Comm Srvc
ASML HLDG	NL	0.77	0.52	Info Tech
LILLY (ELI) & COMPANY	US	0.76	1.12	Health Care
Total		16.26	22.12	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



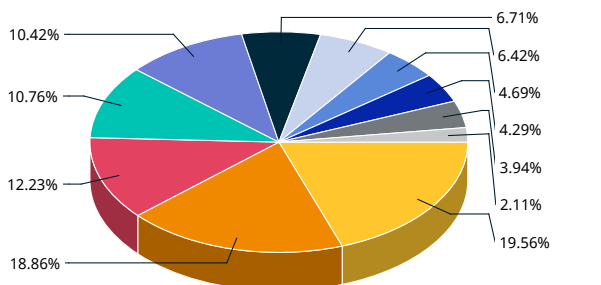
MSCI FaCS

- 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

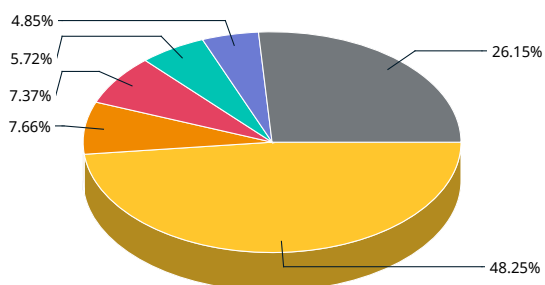
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



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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