MSCI Frontier Markets Index (USD)

The MSCI Frontier Markets Index captures large and mid cap representation across 28 Frontier Markets (FM) countries*. The index includes 233 constituents, covering about 85% of the free float-adjusted market capitalization in each country.

For a complete description of the index methodology, please see Index methodology - MSCI.

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (JUL 2010 – JUL 2025)



ANNUAL PERFORMANCE (%)

Year	MSCI Frontier Markets	MSCI ACWI + Frontier Markets	MSCI ACWI
2024	9.42	17.48	17.49
2023	11.63	22.18	22.20
2022	-26.34	-18.38	-18.36
2021	19.73	18.54	18.54
2020	1.43	16.22	16.25
2019	17.99	26.58	26.60
2018	-16.41	-9.43	-9.41
2017	31.86	23.99	23.97
2016	2.66	7.85	7.86
2015	-14.46	-2.40	-2.36
2014	6.84	4.19	4.16
2013	25.89	22.81	22.80
2012	8.85	16.10	16.13
2011	-18.73	-7.40	-7.35

FUNDAMENTALS (JUL 31, 2025)

INDEX PERFORMANCE - NET RETURNS (%) (JUL 31, 2025)

						ANNUALIZED 3 Yr 5 Yr 10 Yr Since May 31, 2002 Div Yld (%) P/E							
	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr _M	Since ay 31, 2002	Div Yld (%)	P/E	P/E Fwd	P/BV	
MSCI Frontier Markets	6.81	20.12	29.93	28.13	12.76	10.85	5.45	7.43	3.72	11.81	na	1.74	
MSCI ACWI + Frontier Markets	1.37	12.01	15.90	11.57	15.25	12.79	10.04	8.17	1.78	22.40	na	3.37	
MSCI ACWI	1.36	11.99	15.87	11.54	15.25	12.79	10.05	8.20	1.78	22.44	18.88	3.37	

INDEX RISK AND RETURN CHARACTERISTICS (JUL 31, 2025)

		ANNUALIZED STD DEV (%) 2			SHARPE RATIO 2,3				MAXIMUM DRAWDOWN		
	Turnover (%) ¹	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since May 31, 2002	(%)	Period YYYY-MM-DD	
MSCI Frontier Markets	7.77	12.81	12.87	14.19	0.65	0.65	0.30	0.40	67.47	2008-01-15-2009-03-03	
MSCI ACWI + Frontier Markets	2.54	14.38	15.24	14.90	0.74	0.68	0.58	0.47	58.34	2007-10-31-2009-03-09	
MSCI ACWI	2.54	14.39	15.25	14.91	0.74	0.68	0.58	0.47	58.38	2007-10-31-2009-03-09	
¹ Las	¹ Last 12 months ² Based on monthly net returns data					³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior tha					

* Frontier Markets countries include: Bahrain, Bangladesh, Benin, Burkina Faso, Croatia, Estonia, Guinea-Bissau, Iceland, Ivory Coast, Jordan, Kazakhstan, Kenya, Latvia, Lithuania, Mauritius, Morocco, Mali, Niger, Oman, Pakistan, Romania, Senegal, Serbia, Slovenia, Sri Lanka, Togo, Tunisia and Vietnam.

The MSCI Frontier Markets Index was launched on Dec 18, 2007. 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.



JUL 31, 2025

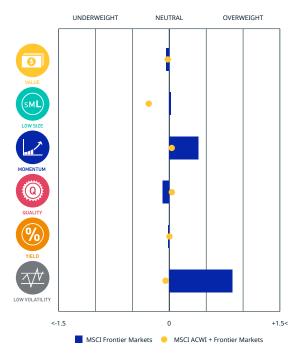
INDEX CHARACTERISTICS

TOP 10 CONSTITUENTS

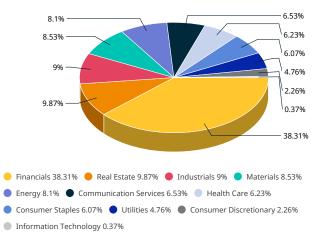
Index Factsheet

Number of	MSCI Frontier Markets 233	_	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
Constituents		KRKA	SI	5.24	3.28	Health Care
	Mkt Cap (USD Millions)	– BANCA TRANSILVANIA	RO	5.11	3.20	Financials
Index	159,610.83	KASPI.KZ ADS	KZ	4.72	2.96	Financials
Largest	5,241.59	VINGROUP JSC	VN	4.62	2.89	Real Estate
Smallest	49.85	ATTIJARIWAFA BANK	MA	4.41	2.76	Financials
Average	685.03	HOA PHAT GROUP JSC	VN	3.58	2.24	Materials
Median	352.29	VINHOMES JSC	VN	3.53	2.21	Real Estate
		OMV PETROM	RO	2.75	1.72	Energy
		KAZATOMPROM GDR	ΚZ	2.67	1.67	Energy
		NOVA LJUBLJANSKA BANKA	SI	2.66	1.67	Financials
		Total		39.30	24.62	

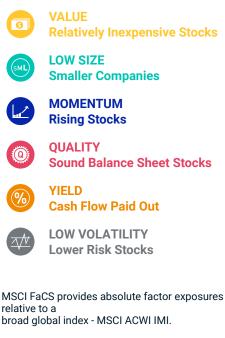
FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN MSCI FACTOR BOX



SECTOR WEIGHTS

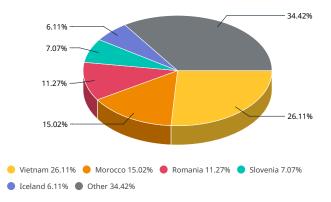


MSCI FaCS



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

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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 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 <u>www.msci.com</u>.

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