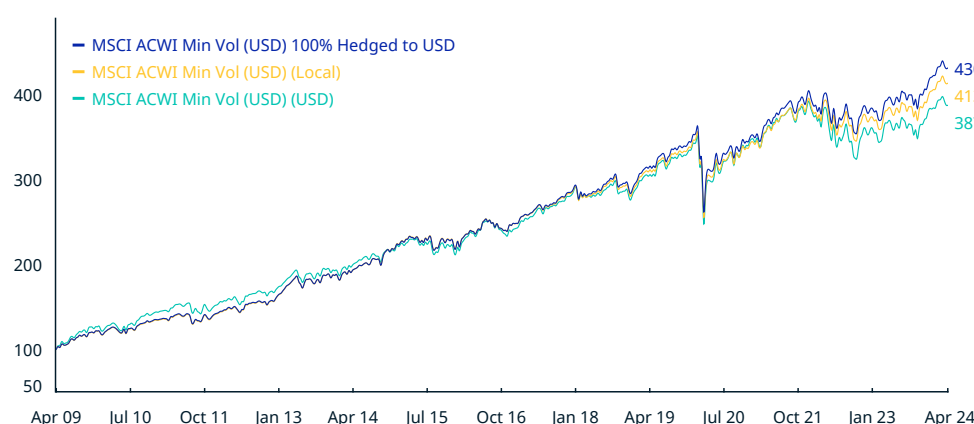


# MSCI ACWI Minimum Volatility (USD) 100% Hedged to USD Index (USD)

The **MSCI ACWI Minimum Volatility (USD) 100% Hedged to USD Index** represents a close estimation of the performance that can be achieved by hedging the currency exposures of its parent index, the MSCI ACWI Minimum Volatility Index, to the USD, the "home" currency for the hedged index. The index is 100% hedged to the USD by selling each foreign currency forward at the one-month Forward rate. The index aims to reflect the performance characteristics of a minimum variance strategy applied to the large and mid cap equity universe across 23 Developed Markets (DM) countries and 24 Emerging Market (EM) countries\* around the world. The index is calculated by optimizing the parent index, for the lowest absolute risk (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the MSCI ACWI Minimum Volatility Index.

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

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (APR 2009 – APR 2024)



## ANNUAL PERFORMANCE (%)

Year	MSCI ACWI Min Vol (USD) 100% Hedged to USD	MSCI ACWI Min Vol (USD) (Local)	MSCI ACWI Min Vol (USD) (USD)
2023	9.48	8.13	7.74
2022	-6.84	-7.28	-10.31
2021	16.10	16.19	13.94
2020	1.13	0.71	2.69
2019	21.09	20.25	21.05
2018	-0.28	-0.93	-1.56
2017	16.02	15.49	17.93
2016	7.64	7.37	7.43
2015	4.97	5.07	2.76
2014	15.13	15.33	10.95
2013	20.65	20.94	16.90
2012	10.64	10.84	10.06
2011	5.33	5.33	5.34
2010	11.11	10.84	14.32

## INDEX PERFORMANCE – NET RETURNS (%) (APR 30, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 29, 2000
MSCI ACWI Min Vol (USD) 100% Hedged to USD	-1.93	2.28	8.97	4.39	5.47	6.30	8.28	7.30
MSCI ACWI Min Vol (USD) (Local)	-2.02	2.03	7.74	4.05	4.78	5.70	7.83	7.03
MSCI ACWI Min Vol (USD) (USD)	-2.62	0.66	5.24	1.97	2.42	4.70	6.78	7.21

## INDEX RISK AND RETURN CHARACTERISTICS (DEC 29, 2000 – APR 30, 2024)

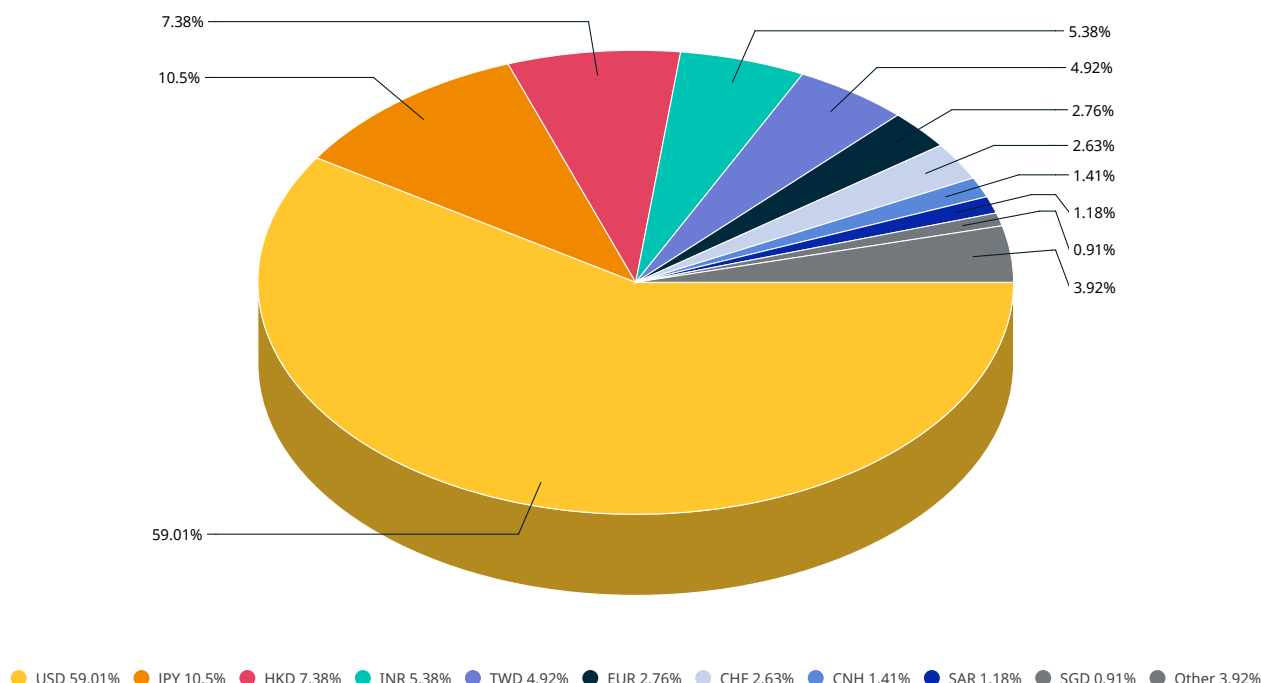
	ANNUALIZED STD DEV (%) <sup>1</sup>			SHARPE RATIO <sup>1, 2</sup>			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI ACWI Min Vol (USD) 100% Hedged to USD	10.13	11.13	9.56	0.31	0.42	0.73	0.60	40.39	2007-10-11–2009-03-09
MSCI ACWI Min Vol (USD) (Local)	10.14	11.16	9.58	0.24	0.37	0.68	0.57	40.83	2007-06-01–2009-03-09
MSCI ACWI Min Vol (USD) (USD)	11.41	12.24	10.47	0.02	0.27	0.54	0.54	43.41	2007-10-31–2009-03-09

<sup>1</sup> Based on monthly net returns data

<sup>2</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. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI ACWI Minimum Volatility (USD) 100% Hedged to USD Index was launched on Aug 25, 2015. 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.

**CURRENCY WEIGHTS ( APR 30, 2024 )****ABOUT MSCI**

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