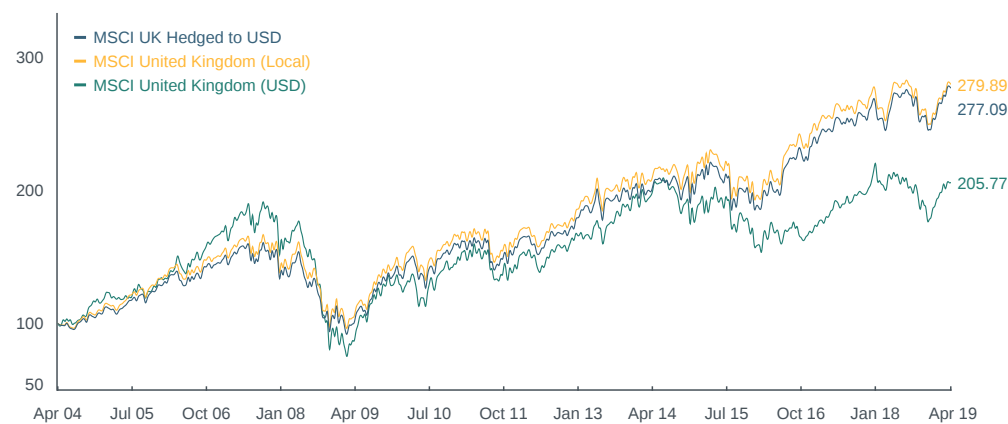


# MSCI UK 100% HEDGED TO USD INDEX (USD)

The MSCI UK 100% Hedged to USD Index represents a close estimation of the performance that can be achieved by hedging the currency exposure of its parent index, the MSCI UK Index, to the USD, the "home" currency for the hedged index. The index is 100% hedged to the USD by selling the GBP forward at the one-month Forward rate. The parent index is composed of large and mid cap stocks.

## CUMULATIVE INDEX PERFORMANCE - NET RETURNS (USD) (APR 2004 – APR 2019)



## ANNUAL PERFORMANCE (%)

Year	MSCI UK Hedged to USD	MSCI United Kingdom (Local)	MSCI United Kingdom (USD)
2018	-7.33	-8.82	-14.15
2017	12.72	11.71	22.30
2016	19.06	19.16	-0.10
2015	-2.19	-2.21	-7.56
2014	0.34	0.50	-5.39
2013	17.84	18.43	20.67
2012	10.66	10.19	15.25
2011	-1.70	-1.83	-2.56
2010	12.69	12.18	8.76
2009	27.82	27.59	43.30
2008	-29.10	-28.48	-48.34
2007	6.20	6.54	8.36
2006	14.94	14.57	30.61
2005	17.94	20.06	7.35

## INDEX PERFORMANCE — NET RETURNS (%) (APR 30, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Jan 31, 2001
MSCI UK Hedged to USD	2.36	8.24	4.93	12.51	11.20	6.18	10.00	4.10
MSCI United Kingdom (Local)	2.21	7.80	2.98	11.77	10.09	5.57	9.62	4.62
MSCI United Kingdom (USD)	2.25	6.84	-2.53	14.41	5.90	0.25	8.22	3.97

## INDEX RISK AND RETURN CHARACTERISTICS (JAN 31, 2001 – APR 30, 2019)

	ANNUALIZED STD DEV (%) <sup>1</sup>			SHARPE RATIO <sup>1,2</sup>			Since Jan 31, 2001	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
	MSCI UK Hedged to USD	9.81	10.05	11.86	0.99	0.55	0.82	0.24	45.84
MSCI United Kingdom (Local)	9.94	10.08	11.87	0.87	0.50	0.79	0.28	45.33	2007-10-12—2009-03-03
MSCI United Kingdom (USD)	11.17	12.57	15.65	0.44	0.01	0.55	0.22	63.44	2007-10-31—2009-03-09

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

<sup>2</sup> Based on ICE LIBOR 1M

The MSCI UK 100% Hedged to USD Index was launched on Dec 31, 1992. Data prior to the launch date is back-tested data (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 METHODOLOGY

The MSCI Hedged Indexes hedge each foreign currency in the parent index back to a "home" currency by selling each foreign currency forward at the one-month Forward rate. The amount of forwards sold on the last business day of the month corresponds to the market cap weight of the securities in the parent index that are quoted in each currency as of the close of two business days before the first calendar day of the following month. The amount hedged is kept constant over the whole month.

There are two components to an MSCI Hedged Index return: 1) the performance of the unhedged index in the home currency; and, 2) the Hedge Impact (which aims to represent the gain or loss on the Forward contracts) in the home currency. For example, if a US-based investor were to invest in the MSCI EAFE Index, the calculation would combine the unhedged MSCI EAFE Index return in USD with the performance impact of hedging the currency exposure of the 12 other foreign currencies of the MSCI EAFE Index relative to the USD.

## ABOUT MSCI

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