

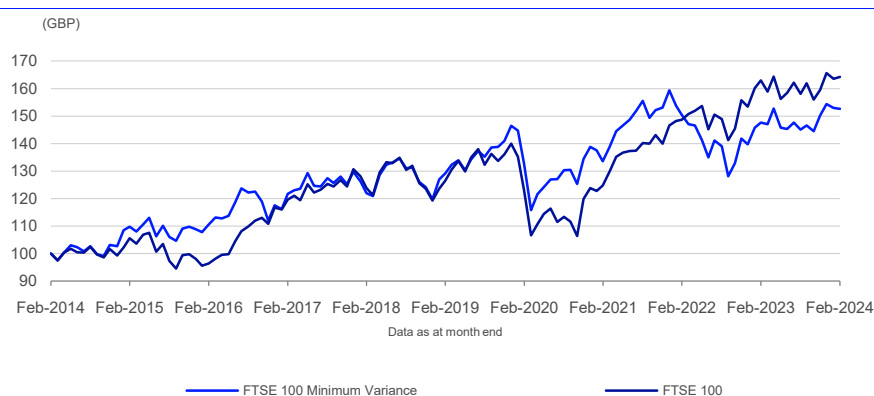
# FTSE 100 Minimum Variance Index

Data as at: 29 February 2024

The FTSE 100 Minimum Variance Index is designed to minimise the volatility of the FTSE 100 Index based on historical return information, thereby offering potential improvements to the risk reward trade-off of the index.

Additional constraints on the weight of a single stock (<4.5%) and the weight of an individual ICB Industry (<20%) ensure the index is investable and diversified.

## 10-Year Performance - Total Return



## Performance and Volatility - Total Return

Index (GBP)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE 100 Minimum Variance	1.6	5.2	-1.1	3.4	14.3	18.2	4.6	3.4	9.9	10.9	12.9
FTSE 100	3.0	3.9	-0.8	0.8	31.7	29.9	9.6	5.4	11.7	11.3	13.8

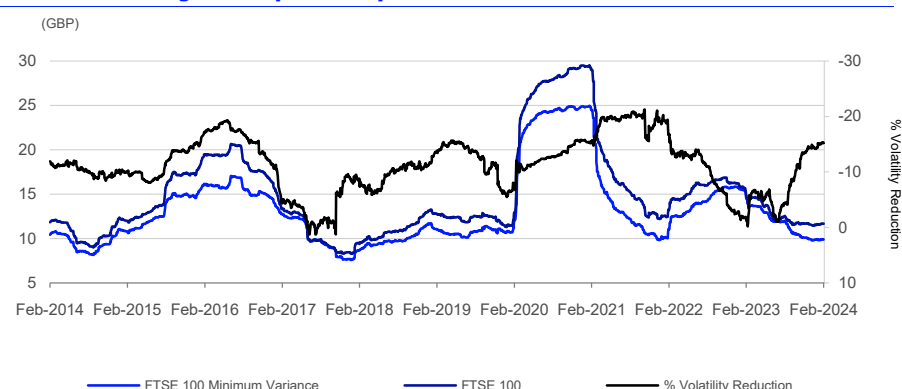
\* Compound annual returns measured over 3 and 5 years respectively

\*\* Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

## Year-on-Year Performance - Total Return

Index % (GBP)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE 100 Minimum Variance	6.3	6.0	8.0	10.4	-7.7	22.3	-5.2	14.7	-12.3	10.5
FTSE 100	0.7	-1.3	19.1	11.9	-8.7	17.3	-11.5	18.4	4.7	7.9

## Annualised Rolling 252 Day Volatility



## FEATURES

### Methodology

The approach applies a rules-based strategy to minimise the volatility of the FTSE 100 Index.

### Objective

The index is designed for use in the creation of index tracking funds, derivatives and as a performance benchmark.

### Investability

Stocks are selected and weighted to ensure that the index is investable.

### Liquidity

Stocks are subject to an additional liquidity screen to ensure that the index is tradable.

### Transparency

The indices use a transparent, rules-based construction process. Index Rules are freely available on the FTSE website.

### Availability

The index is calculated based on price and total return methodologies, both real time intra-second and end-of-day.

### Industry Classification Benchmark

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Return/Risk Ratio and Drawdown - Total Return

Index (GBP)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE 100 Minimum Variance	0.3	0.4	0.3	0.4	-8.2	-21.2	-31.0	-31.0
FTSE 100	0.1	0.8	0.4	0.4	-7.5	-9.3	-34.2	-34.2

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table  
Drawdown - based on daily data

Top 5 Constituents

Constituent	ICB Sector	FTSE 100 Minimum Variance (Wgt %)	FTSE 100 (Wgt %)	Diff %
BAE Systems	Aerospace and Defense	4.86	1.98	2.88
Unilever	Personal Care Drug and Grocery Stores	3.41	5.07	-1.66
GSK	Pharmaceuticals and Biotechnology	3.40	3.50	-0.10
London Stock Exchange Group	Finance and Credit Services	3.07	2.09	0.98
Reckitt Benckiser Group	Personal Care Drug and Grocery Stores	2.84	1.87	0.97
Totals		17.58	14.51	

ICB Supersector Breakdown

		FTSE 100 Minimum Variance			FTSE 100		
ICB Code	ICB Supersector	No. of Cons	Net MCap (GBPm)	Wgt %	No. of Cons	Net MCap (GBPm)	Wgt %
1010	Technology	2	47,556	2.99	2	19,375	1.01
1510	Telecommunications	2	58,530	3.67	3	22,696	1.19
2010	Health Care	5	176,117	11.06	6	249,848	13.07
3010	Banks	4	54,159	3.40	5	201,642	10.55
3020	Financial Services	2	57,299	3.60	9	102,055	5.34
3030	Insurance	4	81,427	5.11	6	64,034	3.35
3510	Real Estate	4	23,319	1.46	4	22,825	1.19
4020	Consumer Products and Services	3	55,026	3.46	6	60,233	3.15
4030	Media	4	79,439	4.99	4	91,052	4.76
4040	Retailers	4	43,506	2.73	6	27,703	1.45
4050	Travel and Leisure	1	12,115	0.76	5	61,561	3.22
4510	Food Beverage and Tobacco	5	143,104	8.99	5	145,202	7.59
4520	Personal Care Drug and Grocery Stores	5	169,743	10.66	6	164,422	8.60
5020	Industrial Goods and Services	12	259,437	16.29	19	225,900	11.81
5510	Basic Resources	5	90,970	5.71	6	131,442	6.87
5520	Chemicals	1	13,265	0.83	1	6,641	0.35
6010	Energy	2	66,212	4.16	2	239,147	12.51
6510	Utilities	5	161,429	10.14	5	76,268	3.99
Totals		70	1,592,653	100.00	100	1,912,046	100.00

Index Characteristics

Attributes	FTSE 100 Minimum Variance	FTSE 100
Number of constituents	70	100
Net MCap (GBPm)	1,592,653	1,912,046
Dividend Yield %	3.96	3.94
Constituent Sizes (Net MCap GBPm)		
Average	22,752	19,120
Largest	77,424	162,345
Smallest	227	839
Median	21,554	7,404
Weight of Largest Constituent (%)	4.86	8.49
Top 10 Holdings (% Index MCap)	30	47.51

INFORMATION

Index Universe

FTSE 100 Index

Index Launch

23 December 2011

Base Date

16 September 2011

Base Value

100

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

Real Time

End-of-Day Distribution

Via FTP and email

Currency

Euro and Sterling

Review Dates

March, June, September, December

History

Available from March 2001

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