

# FTSE4Good Developed Minimum Variance Index

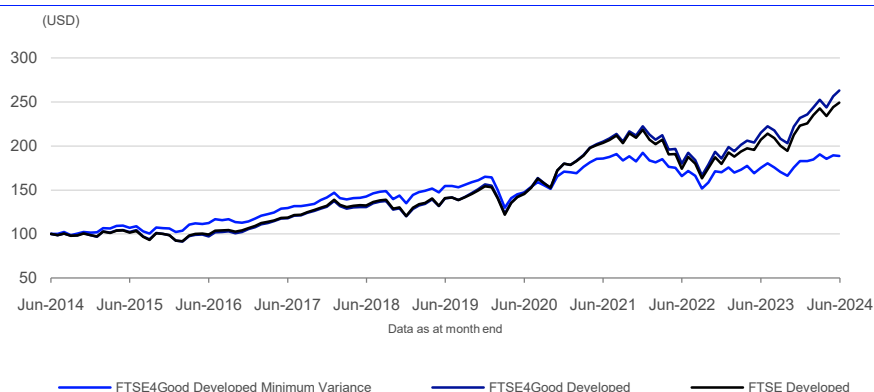
Data as at: 28 June 2024

The FTSE Developed Minimum Variance Index Series aims to deliver reduced index volatility based on historical return information, thereby offering potential improvements to the risk reward trade-off, whilst maintaining full allocation to the relevant equity market.

Reduced volatility is achieved by applying a transparent rules-based approach which minimizes historical variance subject to additional constraints on the weight of individual stocks within an index, and, at aggregate level on the weight of countries and industries represented in the index.

The FTSE4Good Developed Minimum Variance Index is based on the FTSE4Good Developed Index, which is designed to objectively measure the performance of companies that meet globally recognised environmental, social and governance (ESG) standards, and to facilitate investment in those companies. Constituents are selected from the corresponding underlying universe at the time of the review and aspects such as index reviews and company classification are governed by the corresponding Ground Rules of the universe index.

## 10-Year Performance - Total Return



## Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE4Good Developed Minimum Variance	-1.0	3.2	3.2	7.8	1.6	22.3	0.5	4.1	7.4	11.8	14.6
FTSE4Good Developed	4.3	13.5	13.5	22.3	28.4	87.5	8.7	13.4	9.5	15.4	17.7
FTSE Developed	2.6	11.6	11.6	20.4	22.4	76.9	7.0	12.1	9.7	15.9	17.8

\* 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 % (USD)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE4Good Developed Minimum Variance	11.0	4.6	7.7	23.8	-4.6	22.3	3.5	12.4	-11.5	7.6
FTSE4Good Developed	5.1	-0.3	7.1	24.1	-8.2	30.1	15.2	23.6	-16.5	24.8
FTSE Developed	5.1	-0.3	8.2	23.9	-8.6	28.0	16.7	21.4	-17.8	24.2

## FEATURES

### Methodology

The approach applies a rules-based strategy to minimise volatility. Some constraints are applied, for example, to avoid over concentration in any particular stock, sector or country.

### Objective

The indexes are designed for the creation of index tracking funds, derivatives and as a performance benchmark.

### Investability

Stocks in the underlying universe are free-float weighted to ensure that only the investable opportunity set is included.

### Liquidity

Stocks in the underlying universe are screened to ensure that the indexes are tradable.

### Transparency

Index methodologies are freely available on the FTSE Russell website.

### Availability

The indexes are calculated based on price and total return methodologies.

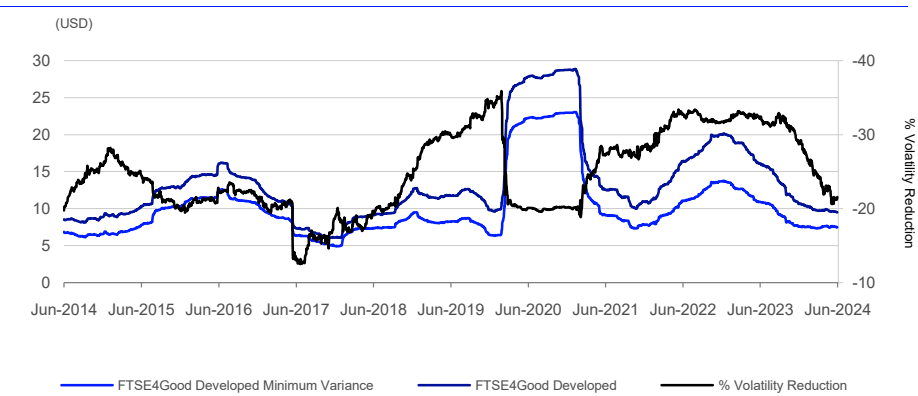
### Industry Classification Benchmark (ICB)

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

### Criteria

The ESG criteria is based on the underlying FTSE4Good Index which is overseen by the independent FTSE Russell ESG Advisory Committee.

Annualised Rolling 252 Day Volatility - Total Return



Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE4Good Developed Minimum Variance	1.1	0.0	0.3	0.5	-8.9	-22.2	-33.0	-33.0
FTSE4Good Developed	2.4	0.6	0.8	0.7	-9.7	-26.0	-33.9	-33.9
FTSE Developed	2.2	0.4	0.7	0.6	-10.4	-26.1	-34.0	-34.0

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

Top 10 Constituents (by Wgt %) - FTSE4Good Developed Minimum Variance Index

Constituent	Country/Market	ICB Sector	FTSE4Good Developed Minimum Variance (Wgt %)	FTSE4Good Developed (Wgt %)	Diff %
Lilly (Eli) & Co	USA	Pharmaceuticals and Biotechnology	0.75	1.74	-0.99
Cboe Global Markets	USA	Investment Banking and Brokerage Services	0.71	0.04	0.67
General Mills	USA	Food Producers	0.70	0.08	0.62
Johnson & Johnson	USA	Pharmaceuticals and Biotechnology	0.67	0.80	-0.12
Merck & Co	USA	Pharmaceuticals and Biotechnology	0.65	0.71	-0.06
Hershey Company	USA	Food Producers	0.64	0.06	0.58
Cencora Inc	USA	Personal Care Drug and Grocery Stores	0.64	0.09	0.55
Colgate-Palmolive	USA	Personal Care Drug and Grocery Stores	0.63	0.18	0.45
Unitedhealth Group	USA	Health Care Providers	0.62	1.06	-0.44
AbbVie Inc	USA	Pharmaceuticals and Biotechnology	0.62	0.69	-0.07
Totals			6.63	5.45	

INFORMATION

Index Universe

FTSE4Good Developed Index

Index Launch

May 2013

Base Date

15 May 2012

Base Value

100

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

End of day

End-of-Day Distribution

Via FTP and email

Currency

USD, EUR, GBP, JPY, AUD

Review Dates

Semi-annually in June and December

History

From 19 March 2004

Country/Market Breakdown

	FTSE4Good Developed Minimum Variance		FTSE4Good Developed		
Country/Market	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
Australia	29	3.31	73	2.71	0.60
Austria	2	0.10	6	0.07	0.03
Belgium	2	0.27	8	0.25	0.02
Canada	7	1.05	28	2.54	-1.49
Denmark	4	0.79	15	1.33	-0.54
Finland	3	0.46	11	0.29	0.17
France	14	1.85	57	3.60	-1.74
Germany	11	1.63	39	2.59	-0.96
Hong Kong	36	5.11	37	0.55	4.56
Ireland	2	0.26	2	0.04	0.22
Israel	5	0.75	5	0.07	0.67
Italy	2	0.08	23	0.87	-0.79
Japan	162	13.00	263	7.42	5.57
Korea	54	5.27	60	0.66	4.61
Netherlands	6	1.29	25	1.74	-0.45
New Zealand	6	0.41	6	0.05	0.36
Norway	5	0.54	12	0.22	0.32
Poland	-	-	6	0.11	-0.11
Portugal	2	0.18	4	0.07	0.11
Singapore	21	3.77	21	0.42	3.36
Spain	13	1.04	23	1.03	0.01
Sweden	5	0.41	33	0.96	-0.55
Switzerland	14	2.50	32	3.21	-0.71
UK	26	3.49	87	4.97	-1.49
USA	194	52.43	282	64.21	-11.78
Totals	625	100.00	1158	100.00	

ICB Supersector Breakdown

		FTSE4Good Developed Minimum Variance		FTSE4Good Developed		
ICB Code	ICB Supersector	No. of Cons	Wgt %	No. of Cons	Wgt %	Diff %
1010	Technology	56	7.63	112	37.92	-30.29
1510	Telecommunications	30	6.07	39	2.63	3.44
2010	Health Care	56	13.86	85	12.29	1.57
3010	Banks	29	4.27	78	6.58	-2.32
3020	Financial Services	25	3.94	64	3.39	0.55
3030	Insurance	47	10.40	69	4.32	6.08
3510	Real Estate	31	3.55	58	1.14	2.41
4010	Automobiles and Parts	18	1.24	35	1.29	-0.05
4020	Consumer Products and Services	23	2.52	49	2.13	0.39
4030	Media	15	2.09	25	1.14	0.95
4040	Retailers	12	1.91	26	2.04	-0.13
4050	Travel and Leisure	23	2.53	36	0.89	1.64
4510	Food Beverage and Tobacco	56	11.68	61	2.63	9.04
4520	Personal Care Drug and Grocery Stores	25	6.73	29	1.71	5.02
5010	Construction and Materials	12	0.77	33	1.09	-0.33
5020	Industrial Goods and Services	82	9.88	179	10.40	-0.52
5510	Basic Resources	9	0.84	43	1.45	-0.62
5520	Chemicals	25	2.18	52	1.98	0.20
6010	Energy	23	3.39	42	3.60	-0.21
6510	Utilities	28	4.53	43	1.37	3.16
Totals		625	100.00	1158	100.00	

Index Characteristics

Attributes	FTSE4Good Developed Minimum Variance	FTSE4Good Developed	FTSE Developed
Number of constituents	625	1158	2072
Dividend Yield %	2.79	1.90	1.80
Constituent (Wgt %)			
Average	0.16	0.09	0.05
Largest	0.75	7.52	4.93
Median	0.11	0.02	0.01
Top 10 Holdings (Wgt %)	6.63	31.95	24.13

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