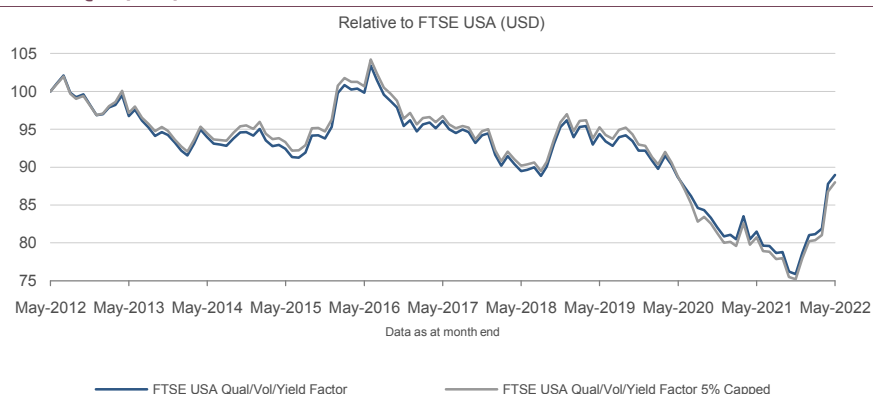


FTSE USA Qual/Vol/Yield Factor Indexes

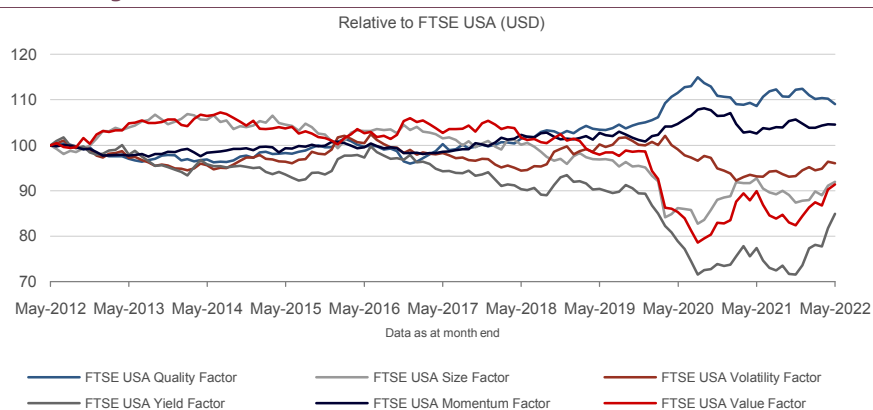
Data as at: 31 May 2022

The FTSE Global Factor Index Series is a new suite of benchmarks designed to represent the performance of specific individual factor characteristics and combinations of these factors. The factors represent common factor characteristics for which there is a broad academic and practitioner consensus, supported by a body of empirical evidence across different geographies and time periods.

10-Year Qual/Vol/Yield Performance relative to FTSE USA - Total Return



10-Year Single Factors Performance relative to FTSE USA - Total Return



FEATURES

Coverage

Derived from the FTSE USA index, which represents large and mid cap US companies.

Objective

The FTSE Global Factor Index series uses a common methodology to achieve controlled exposure to target factor(s), whilst considering levels of diversification and capacity.

Liquidity

Stocks in the universe index are screened to ensure that the index is tradable.

Capping

The company level capping is applied quarterly using prices as at the close of business on the second Friday in March, June, September and December.

Transparency

Index methodologies are freely available on the FTSE Russell website.

Availability

The index is calculated based on price and total return methodologies and available end-of-day and in some cases real-time (please see index rules for details).

Industry Classification Benchmark (ICB)

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

Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE USA Qual/Vol/Yield Factor	3.1	5.1	-2.6	6.6	47.7	72.2	13.9	11.5	12.3	17.6	14.5
FTSE USA Qual/Vol/Yield Factor 5% Capped	2.9	4.9	-2.8	6.4	44.7	69.2	13.1	11.1	12.3	17.6	14.3
FTSE USA Quality Factor	-6.9	-12.9	-16.5	-2.0	65.3	102.3	18.2	15.1	19.5	21.5	17.0
FTSE USA Size Factor	-3.8	-5.7	-9.8	-3.2	48.7	68.5	14.1	11.0	18.0	26.0	19.2
FTSE USA Volatility Factor	-4.4	-7.7	-12.4	0.7	50.3	81.8	14.5	12.7	16.4	19.3	15.1
FTSE USA Yield Factor	2.2	6.4	-0.7	7.1	47.1	67.5	13.7	10.9	14.2	20.9	16.0
FTSE USA Momentum Factor	-5.4	-11.4	-14.0	-0.5	59.4	97.3	16.8	14.6	19.6	21.5	16.5
FTSE USA Value Factor	-1.7	-0.5	-6.8	-0.8	46.2	65.5	13.5	10.6	15.8	24.6	18.5
FTSE USA	-6.0	-10.4	-13.9	-2.4	56.7	86.0	16.1	13.2	18.2	21.6	16.8

* 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)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
FTSE USA Qual/Vol/Yield Factor	9.8	27.8	14.4	2.3	12.9	19.9	-2.8	26.2	6.0	23.4
FTSE USA Qual/Vol/Yield Factor 5% Capped	10.2	28.3	15.0	2.4	12.9	19.4	-2.6	26.0	4.2	23.6
FTSE USA Quality Factor	14.5	32.4	12.6	3.5	7.8	27.0	-1.3	34.1	27.3	28.8
FTSE USA Size Factor	17.3	37.7	12.4	-2.3	14.6	19.3	-9.4	30.6	12.4	25.8
FTSE USA Volatility Factor	13.5	29.0	16.1	2.9	11.8	19.6	-1.7	31.9	14.1	26.9
FTSE USA Yield Factor	11.6	28.4	13.7	0.4	16.0	17.3	-5.1	25.8	-0.7	27.2
FTSE USA Momentum Factor	16.3	32.8	13.8	2.8	9.2	24.0	-3.0	30.8	27.6	24.7
FTSE USA Value Factor	17.4	37.1	12.9	-3.2	17.3	21.4	-8.5	28.5	1.4	29.3
FTSE USA	16.3	32.8	13.3	1.0	11.8	22.1	-4.5	31.6	20.8	26.8

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE USA Qual/Vol/Yield Factor	0.5	0.7	0.8	1.1	-8.2	-33.1	-33.1	-33.1
FTSE USA Qual/Vol/Yield Factor 5% Capped	0.5	0.7	0.8	1.1	-8.3	-33.2	-33.2	-33.2
FTSE USA Quality Factor	-0.1	0.7	0.9	1.1	-21.8	-31.7	-31.7	-31.7
FTSE USA Size Factor	-0.2	0.4	0.6	0.9	-16.5	-41.0	-41.0	-41.0
FTSE USA Volatility Factor	0.0	0.6	0.8	1.1	-17.6	-33.0	-33.0	-33.0
FTSE USA Yield Factor	0.5	0.6	0.7	1.0	-7.7	-37.3	-37.3	-37.3
FTSE USA Momentum Factor	0.0	0.7	0.9	1.1	-19.7	-32.6	-32.6	-32.6
FTSE USA Value Factor	0.0	0.5	0.6	0.9	-12.6	-40.2	-40.2	-40.2
FTSE USA	-0.1	0.6	0.8	1.0	-19.1	-34.1	-34.1	-34.1

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

Drawdown - based on daily data

INFORMATION**Index Universe**

FTSE USA Index

Base Date

22 September 2014

Base Value

1000

Investability Screen

Actual free float and liquidity screen applied to underlying

Index Calculation

Indexes calculated end-of-day

End-of-Day Distribution

Via FTP and email

Currency

USD, EUR, GBP, JPY, AUD, Local

Review Dates

Annually in September. Additional review in March for Momentum Factor index.

History

Available from September 2001

Top 10 Constituents - Qual/Vol/Yield

Constituent	ICB Industry	FTSE USA Qual/Vol/Yield Factor (Wgt %)	FTSE USA (Wgt %)	Diff %
Johnson & Johnson	Health Care	7.44	1.30	6.14
Texas Instruments	Technology	4.47	0.45	4.02
Intel Corp	Technology	3.86	0.49	3.37
Pfizer	Health Care	3.81	0.81	3.00
Procter & Gamble	Consumer Staples	3.32	0.98	2.34
Home Depot	Consumer Discretionary	3.19	0.87	2.32
Verizon Communications	Telecommunications	3.18	0.59	2.59
Merck & Co	Health Care	3.09	0.64	2.45
Cisco Systems	Telecommunications	3.08	0.52	2.56
Exxon Mobil Corporation	Energy	2.77	1.12	1.65
Totals		38.21	7.77	

ICB Industry Breakdown - Qual/Vol/Yield

ICB Code	ICB Industry	FTSE USA Qual/Vol/Yield Factor		FTSE USA		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
10	Technology	10	12.45	98	27.96	-15.51
15	Telecommunications	4	8.20	17	2.83	5.36
20	Health Care	11	22.56	76	13.64	8.92
30	Financials	9	2.12	81	11.01	-8.89
35	Real Estate	11	3.26	38	2.99	0.27
40	Consumer Discretionary	12	9.58	102	13.91	-4.32
45	Consumer Staples	20	12.40	37	5.82	6.58
50	Industrials	22	13.05	96	11.96	1.09
55	Basic Materials	6	3.26	20	1.96	1.30
60	Energy	3	3.18	23	4.70	-1.52
65	Utilities	28	9.94	34	3.22	6.72
Totals		136	100.00	622	100.00	

Index Characteristics - FTSE USA Qual/Vol/Yield

Attributes	FTSE USA Qual/Vol/Yield Factor	FTSE USA Qual/Vol/Yield Factor 5% Capped
Number of constituents	136	136
Dividend Yield %	2.94	2.95
Constituent (Wgt %)		
Average	0.74	0.74
Largest	7.44	5.20
Median	0.29	0.30
Top 10 Holdings (Wgt %)	38.21	36.70

Index Characteristics - FTSE USA Single Factors

Attributes	FTSE USA Quality Factor	FTSE USA Size Factor	FTSE USA Volatility Factor	FTSE USA Yield Factor
Number of constituents	252	396	191	193
Dividend Yield %	1.17	1.75	1.59	3.12
Constituent (Wgt %)				
Average	0.40	0.25	0.52	0.52
Largest	11.15	0.78	9.12	3.74
Median	0.14	0.25	0.25	0.25
Top 10 Holdings (Wgt %)	42.08	6.51	36.42	28.64

Index Characteristics - FTSE USA Single Factors (cont.)

Attributes	FTSE USA Momentum Factor	FTSE USA Value Factor	FTSE USA
Number of constituents	570	511	622
Dividend Yield %	1.53	2.12	1.53
Constituent (Wgt %)			
Average	0.18	0.20	0.16
Largest	9.31	3.12	6.31
Median	0.06	0.09	0.06
Top 10 Holdings (Wgt %)	31.79	19.69	25.19

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