

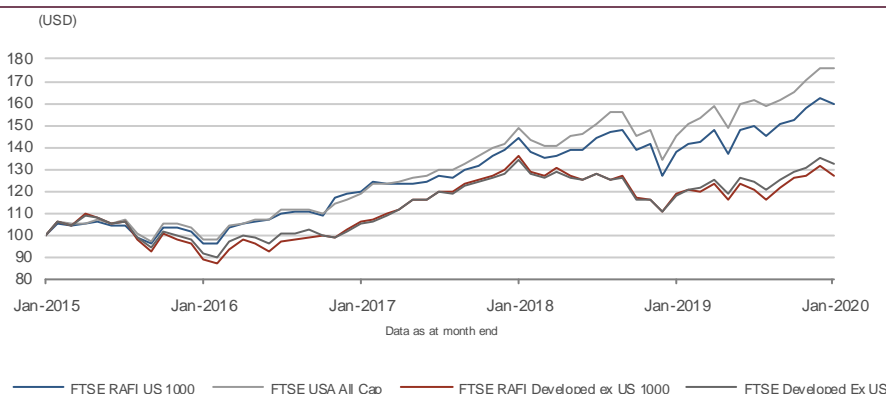
# FTSE RAFI™ Index Series

Data as at: 31 January 2020

FTSE partners with Research Affiliates on the FTSE RAFI Index Series. Index constituents are weighted using a composite of fundamental factors, including total cash dividends, free cash flow, total sales and book equity value. Prices and market values are not determinants of the index weights. Consequently the indexes are less prone to excessive concentration arising from market fads, which can result in over-exposure to individual companies, sectors or countries.

The headline FTSE RAFI US 1000 Index is comprised of the largest 1000 US companies ranked by fundamentals in the FTSE Global Equity Index Series (GEIS). Similarly, the FTSE RAFI Developed ex US Index is comprised of the 1000 largest companies ranked by fundamentals from Developed countries in GEIS, excluding the US.

## 5-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
FTSE RAFI US 1000	4.3	6.6	-2.0	15.8	32.6	59.3	9.9	9.8	11.6	12.3	
FTSE USA All Cap	6.7	8.8	0.0	20.9	48.2	75.8	14.0	11.9	11.8	12.0	12.1
FTSE RAFI Developed ex US 1000	1.1	5.3	-3.3	7.0	19.4	26.9	6.1	4.9	9.2	11.4	13.4
FTSE Developed Ex US	2.5	6.5	-2.1	11.9	26.2	32.2	8.1	5.7	8.5	10.7	12.3

\* 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)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
FTSE RAFI US 1000	20.0	0.1	17.2	35.7	12.6	-2.5	17.6	16.4	-8.3	28.0
FTSE USA All Cap	17.0	1.1	16.4	33.4	12.5	0.5	12.5	21.5	-5.2	31.3
FTSE RAFI Developed ex US 1000	7.5	-14.3	15.9	25.4	-4.8	-4.8	7.3	25.7	-14.5	18.8

## FEATURES

### Coverage

The FTSE RAFI Index Series provides global coverage through a range of country and regional indexes derived from the FTSE RAFI Developed ex US Index. FTSE RAFI indexes are also available covering Small Cap and Emerging Markets.

### Objective

The indexes are designed for the creation of a range of financial products, including index-linked funds, ETFs and over-the-counter (OTC) products.

### Liquidity

Stocks are screened to ensure that the indexes are tradable.

### Transparency

Index rules are freely available on the FTSE website.

### Availability

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

### Industry Classification Benchmark

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

### Methodology

See [www.ftserussell.com](http://www.ftserussell.com) for a full explanation of the FTSE RAFI methodology.

## Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE RAFI US 1000	1.3	0.9	0.8	1.0	-7.3	-19.8	-19.8	-21.1
FTSE USA All Cap	1.7	1.2	1.0	1.1	-6.8	-20.1	-20.1	-20.1
FTSE RAFI Developed ex US 1000	0.7	0.6	0.4	0.3	-9.6	-21.7	-25.5	-30.1

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

## Index Characteristics

Attributes	FTSE RAFI US 1000	FTSE USA All Cap	FTSE RAFI Developed ex US 1000	FTSE Developed Ex US
Number of constituents	990	1794	1024	1550
Dividend Yield %	2.48	1.80	3.94	3.18
Constituent (Wgt %)				
Average	0.10	0.06	0.10	0.06
Largest	3.99	4.39	1.38	1.84
Median	0.03	0.01	0.04	0.03
Top 10 Holdings (Wgt %)	18.72	20.08	11.13	10.33

## ICB Supersector Breakdown - US

ICB Code	ICB Supersector	FTSE RAFI US 1000		FTSE USA All Cap		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
0500	Oil & Gas	57	6.57	85	3.61	2.97
1300	Chemicals	28	1.88	47	1.59	0.29
1700	Basic Resources	18	0.67	31	0.43	0.24
2300	Construction & Materials	22	0.70	49	0.77	-0.07
2700	Industrial Goods & Services	158	11.46	278	12.18	-0.71
3300	Automobiles & Parts	23	1.90	28	0.89	1.01
3500	Food & Beverage	32	3.50	50	2.95	0.55
3700	Personal & Household Goods	53	4.17	93	4.13	0.04
4500	Health Care	67	9.30	196	12.42	-3.12
5300	Retail	67	7.69	106	7.65	0.04
5500	Media	36	2.82	54	2.99	-0.17
5700	Travel & Leisure	40	2.10	75	2.55	-0.44
6500	Telecommunications	8	4.08	15	1.86	2.22
7500	Utilities	48	4.96	60	3.45	1.51
8300	Banks	52	8.19	118	5.33	2.86
8500	Insurance	44	6.32	63	3.84	2.49
8600	Real Estate	105	3.68	163	4.24	-0.56
8700	Financial Services	50	4.94	77	5.64	-0.70
9500	Technology	82	15.05	206	23.48	-8.43
<b>Totals</b>		<b>990</b>	<b>100.00</b>	<b>1794</b>	<b>100.00</b>	

## INFORMATION

## Index Universes

FTSE USA All Cap Index

FTSE Developed All Cap ex US Index

## Index Series Launch

28 November 2005

## Base Date

30 September 2005

## Base Value

5000

## Index Calculation

Real-time and end-of-day indexes available

## End-of-Day Distribution

Indexes available at 2100 hours GMT / FTSE

RAFI Eurozone Index - 1630 hours GMT

Via FTP and email

## Currency

USD, CAD, EUR, GBP, JPY and Local (where specified)

## Review Dates

Annually in March

## ICB Supersector Breakdown - Developed ex US

ICB Code	ICB Supersector	FTSE RAFI Developed ex US 1000		FTSE Developed Ex US		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
0500	Oil & Gas	57	8.18	53	5.72	2.46
1300	Chemicals	46	2.93	70	3.08	-0.15
1700	Basic Resources	55	3.74	57	3.28	0.46
2300	Construction & Materials	43	2.67	69	2.54	0.13
2700	Industrial Goods & Services	163	10.55	252	13.29	-2.74
3300	Automobiles & Parts	45	6.37	61	3.82	2.55
3500	Food & Beverage	38	3.28	79	5.23	-1.96
3700	Personal & Household Goods	57	5.10	96	7.37	-2.27
4500	Health Care	45	6.49	102	11.34	-4.85
5300	Retail	49	3.41	95	3.59	-0.18
5500	Media	19	1.14	39	1.47	-0.32
5700	Travel & Leisure	44	1.96	74	2.56	-0.60
6500	Telecommunications	31	4.97	40	3.35	1.62
7500	Utilities	55	5.67	60	3.61	2.06
8300	Banks	89	16.50	108	11.37	5.13
8500	Insurance	62	8.44	65	5.63	2.81
8600	Real Estate	53	2.34	80	3.05	-0.71
8700	Financial Services	33	1.89	70	2.93	-1.03
9500	Technology	40	4.37	80	6.78	-2.41
<b>Totals</b>		<b>1024</b>	<b>100.00</b>	<b>1550</b>	<b>100.00</b>	

## Country Breakdown

Country	FTSE RAFI Developed ex US 1000		FTSE Developed Ex US		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Australia	60	5.12	103	6.41	-1.29
Austria	6	0.27	8	0.18	0.09
Belgium	9	0.75	13	0.84	-0.09
Canada	90	7.58	57	7.89	-0.30
Denmark	14	0.88	21	1.63	-0.75
Finland	14	1.03	15	1.05	-0.01
France	73	10.08	87	9.23	0.85
Germany	63	9.29	81	7.46	1.83
Hong Kong	36	1.75	91	3.19	-1.44
Ireland	3	0.10	5	0.21	-0.12
Israel	6	0.25	27	0.45	-0.20
Italy	27	3.74	40	2.22	1.52
Japan	272	22.04	503	22.37	-0.33
Korea	64	3.83	139	3.96	-0.13
Netherlands	21	2.49	28	3.26	-0.77
New Zealand	2	0.05	12	0.28	-0.22
Norway	11	0.66	16	0.57	0.09
Poland	7	0.22	14	0.26	-0.04
Portugal	4	0.21	4	0.15	0.06
Singapore	16	0.79	37	1.14	-0.35
Spain	25	3.44	28	2.41	1.03
Sweden	40	2.03	45	2.32	-0.29
Switzerland	38	6.36	49	8.11	-1.75
UK	123	17.04	127	14.41	2.63
<b>Totals</b>	<b>1024</b>	<b>100.00</b>	<b>1550</b>	<b>100.00</b>	

**Top 10 Constituents - FTSE RAFI US 1000 (% Weight)**

Constituent	ICB Sector	FTSE RAFI US 1000 (Wgt %)	FTSE USA All Cap (Wgt %)	Diff %
Apple Inc.	Technology Hardware & Equipment	3.99	4.39	-0.40
AT&T	Fixed Line Telecommunications	2.21	0.88	1.33
Microsoft Corp	Software & Computer Services	2.10	4.11	-2.01
JPMorgan Chase & Co	Banks	2.04	1.32	0.72
Exxon Mobil Corporation	Oil & Gas Producers	1.74	0.84	0.90
Verizon Communications	Fixed Line Telecommunications	1.47	0.78	0.69
Berkshire Hathaway B	Nonlife Insurance	1.33	0.95	0.38
Wells Fargo & Company	Banks	1.29	0.57	0.72
Chevron	Oil & Gas Producers	1.28	0.65	0.63
Bank of America	Banks	1.27	0.85	0.42
<b>Totals</b>		<b>18.72</b>	<b>15.34</b>	

**Top 10 Constituents - FTSE RAFI Developed ex US 1000 (% Weight)**

Constituent	Country	ICB Sector	FTSE RAFI Developed ex US 1000 (Wgt %)	FTSE Developed Ex US (Wgt %)	Diff %
Toyota Motor	Japan	Automobiles & Parts	1.38	1.00	0.38
Samsung Electronics	Korea	Technology Hardware & Equipment	1.31	1.28	0.02
BP	UK	Oil & Gas Producers	1.24	0.69	0.55
Nestle	Switzerland	Food Producers	1.20	1.84	-0.64
Royal Dutch Shell A	UK	Oil & Gas Producers	1.10	0.64	0.46
Total	France	Oil & Gas Producers	1.06	0.68	0.38
HSBC Hldgs	UK	Banks	1.06	0.85	0.21
Banco Santander	Spain	Banks	0.94	0.37	0.57
Allianz SE	Germany	Nonlife Insurance	0.93	0.57	0.36
Royal Dutch Shell B	UK	Oil & Gas Producers	0.91	0.57	0.34
<b>Totals</b>			<b>11.13</b>	<b>8.49</b>	



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