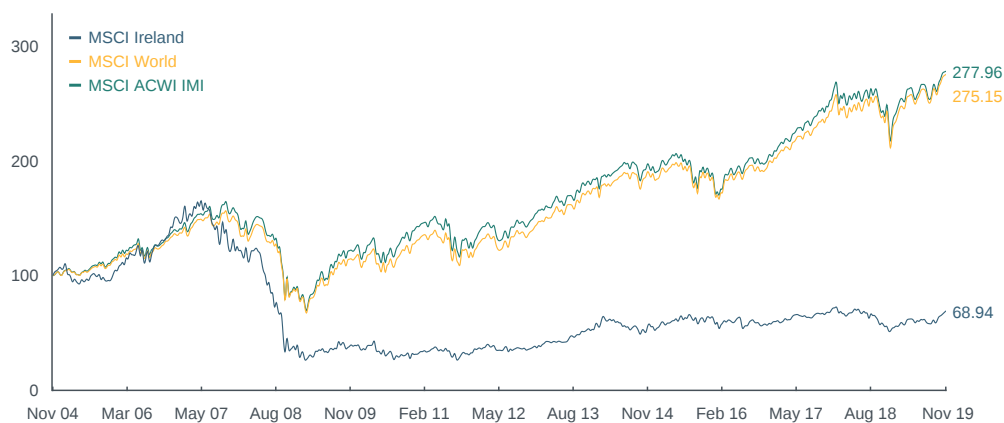


MSCI IRELAND INDEX (USD)

The MSCI Ireland Index is designed to measure the performance of the large and mid cap segments of the Irish equity market. With 7 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Ireland.

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



ANNUAL PERFORMANCE (%)

Year	MSCI Ireland	MSCI World	MSCI ACWI IMI
2018	-25.31	-8.71	-10.08
2017	18.14	22.40	23.95
2016	-7.07	7.51	8.36
2015	16.49	-0.87	-2.19
2014	2.29	4.94	3.84
2013	41.15	26.68	23.55
2012	5.74	15.83	16.38
2011	13.71	-5.54	-7.89
2010	-18.12	11.76	14.35
2009	12.28	29.99	36.41
2008	-71.92	-40.71	-42.34
2007	-20.09	9.04	11.16
2006	46.81	20.07	20.95
2005	-2.29	9.49	11.54

INDEX PERFORMANCE — NET RETURNS (%) (NOV 29, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since May 31, 1994
MSCI Ireland	5.81	17.18	25.01	31.60	6.66	4.07	6.51	2.94
MSCI World	2.79	7.64	14.53	23.96	12.35	7.75	9.34	7.15
MSCI ACWI IMI	2.49	7.52	13.20	22.03	11.58	7.23	8.79	6.98

FUNDAMENTALS (NOV 29, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
1.92	19.46	16.67	1.91
2.36	19.68	16.67	2.53
2.37	19.19	16.18	2.27

INDEX RISK AND RETURN CHARACTERISTICS (NOV 29, 2019)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 1994 (%)	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Ireland	3.19	14.17	15.98	20.43	0.40	0.25	0.38	0.15	85.15	2007-05-23—2009-03-09
MSCI World	2.56	11.26	11.68	12.99	0.94	0.60	0.70	0.33	57.82	2007-10-31—2009-03-09
MSCI ACWI IMI	3.00	11.42	11.80	13.29	0.87	0.55	0.65	0.35	58.59	2007-10-31—2009-03-09

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

The MSCI Ireland Index was launched on Apr 30, 1990. 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 CHARACTERISTICS

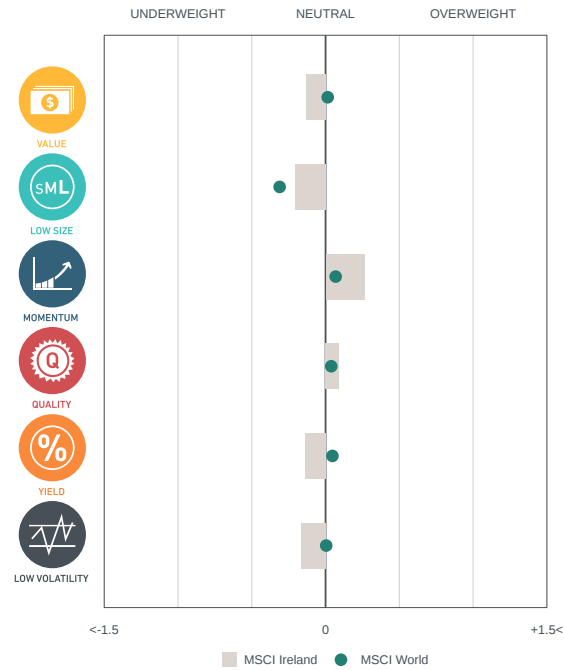
MSCI Ireland	
Number of Constituents	7
Mkt Cap (USD Millions)	
Index	83,718.43
Largest	30,521.86
Smallest	2,666.65
Average	11,959.78
Median	8,290.71

TOP 7 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
CRH	30.52	36.46	Materials
KERRY GROUP A	20.38	24.35	Cons Staples
FLUTTER ENTERTAINMENT	8.97	10.71	Cons Discr
KINGSPAN GROUP	8.29	9.90	Industrials
SMURFIT KAPPA GROUP	8.02	9.58	Materials
BANK OF IRELAND GROUP	4.87	5.81	Financials
AIB GROUP	2.67	3.19	Financials
Total	83.72	100.00	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



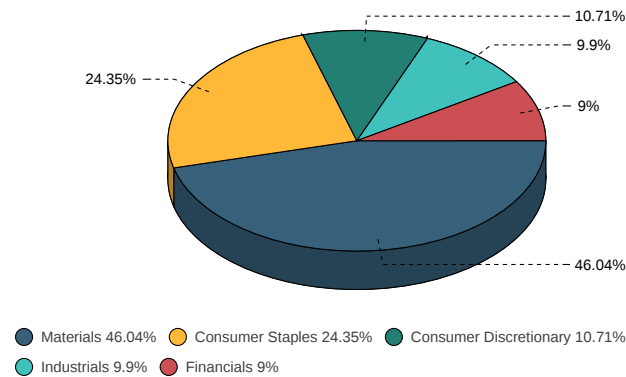
MSCI FaCS

- VALUE**
Relatively Inexpensive Stocks
- LOW SIZE**
Smaller Companies
- MOMENTUM**
Rising Stocks
- QUALITY**
Sound Balance Sheet Stocks
- YIELD**
Cash Flow Paid Out
- LOW VOLATILITY**
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



INDEX METHODOLOGY

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#) —a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large and mid capitalization cutoff points are recalculated.

FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

ABOUT MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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