# Quarterly Asset Class Report Global Equity

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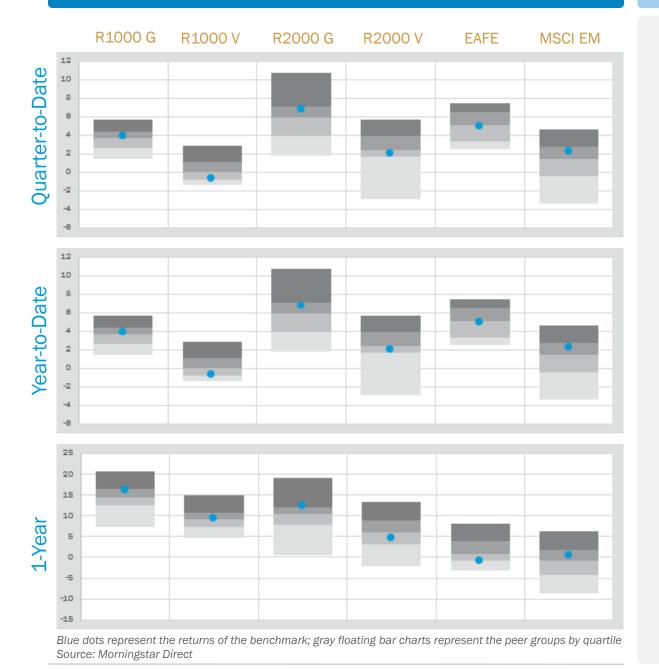
Role in the Portfolio Equity Review

Canterbury Consulting recommends and communicates asset-class strategy with the objective of constructing a diversified portfolio of long-only equity strategies designed to (in aggregate):

- (i) Provide growth of portfolio assets in excess of inflation and spending rates
- (ii) Maintain comparable exposure to the global equity market
- (iii) Exhibit returns uncorrelated to fixed income markets



- Canterbury global equity portfolios are expected to deliver consistent net of fees excess returns and moderate tracking error versus the MSCI All Country World Index over longer periods of time
- Relative to the index, Canterbury equity portfolios will employ higher allocations to small- and mid-cap equities, comparable volatility (achieved through manager selection), and moderate tracking error



- After U.S. large cap stocks outperformed their small cap counterparts for the first three quarters of 2014, we have seen two consecutive quarters of outperformance from small caps
- The most noticeable dispersion in the quarter was between growth and value, where growth stocks outperformed value across the market capitalization spectrum
- Results for active managers were mixed in the first quarter of 2015
  - U.S. growth indices were difficult to beat whereas value indices performed well below the median manager (large and small cap)
  - Non-U.S. developed markets continue to be an area where active managers are able to outperform, the 1-year peer group rank for the index is in the 4<sup>th</sup> quartile

# **Market Capitalization Mix**

Equ	ity: U.S. Market Cap	Current	10 Year Avg	Deviation from Mean*	Large	Neutral	Small
	Russell Top 200 Current P/E (Large Cap)	17.52	15.60	1.20			+
	R2000 Current P/E (Small Cap)	45.38	84.09	-0.23		-	
	Avg P/E Ratio (Large/Small)	0.39	0.36	0.16		-	
5	Russell Top 200 EV/EBITDA^ (Large Cap)	11.34	9.96	0.99		-	
Valuation	R2000 EV/EBITDA (Small Cap)	13.52	12.54	0.54		-	
8	Avg EV/EBITDA Ratio (Large/Small)	0.84	0.81	0.26		-	
	Russell Top 200 P/S (Large Cap)	1.86	1.53	1.40			+
	R2000 P/S (Small Cap)	1.22	1.00	1.14	+		
	Avg P/S Ratio (Large/Small)	1.53	1.54	-0.06		-	
>	Russell Top 200 Debt/EBITDA (Large Cap)	3.95	5.05	-1.12	+		
Solvency	Russell 2000 Debt/EBITDA (Small Cap)	4.67	5.09	-0.65		-	
Ø	Avg Debt/EBITDA Ratio (Large/Small)	0.85	1.01	-0.67		-	
_	Russell Top 200 LT EPS Gr (Fwd) (Large Cap)	8.13	2.87	0.09		-	
Growth	R2000 LT EPS Gr (Fwd) (Small Cap)	8.85	10.99	-1.30	+		
	Avg Growth Ratio (Large/Small)	0.92	0.31	0.12		-	
	Case Shiller Home Price (YoY)	4.56	0.75	0.38		-	
Economy	Total Leading Economic Indicators	121.40	111.01	1.04			+
E	Currency (USD v Broad Basket)	98.36	81.71	3.26			++
	Curve Steepness 2's to 10's	1.37	1.50	-0.15		-	

<sup>\*</sup>Deviation from mean represents how many standard deviations the current value is above or below the 10-year average, also known as the "Z-Score"

- There are various valuation metrics used to determine the relative attractiveness of the equity universe
   Canterbury prefers Price/Earnings, EV/EBITDA, and Price/Sales. No one metric is a sole determinant
- Despite having a strong quarter relative to large cap stocks, small caps look slightly less expensive
- The solvency data suggest a bias toward large cap stocks. The table to the left shows that large cap companies, in general, are carrying less debt on their balance sheets than their small cap counterparts
- The growth and economic metrics shown are split with growth slightly in favor of large cap stocks but a strengthening U.S. dollar will present a relative tailwind for smaller, generally more domestically oriented, businesses

Source: Russell



<sup>^</sup>EV/EBITDA, also known as the "enterprise multiple," is a ratio used to determine the value of a company. Unlike P/E, the enterprise multiple takes debt into account. This is often the ratio used by companies looking to acquire another business

# Region Mix – U.S. vs. Global

Equ	ity: Region (U.S./Global)	Current	10 Year Avg	Deviation from Mean*	U.S.	Neutral	R.O.W.
	S&P 500 Current P/E	18.28	16.35	0.98		-	
	MSCI ACWI Current P/E	17.31	16.53	0.20		-	
	Avg P/E Ratio (US /ACWI)	1.06	1.01	0.46		-	
E	S&P 500 EV/EBITDA^	11.66	10.14	1.26			+
Valuation	MSCI ACWI EV/EBITDA	10.19	9.48	0.68		-	
≫	Avg EV/EBITDA Ratio (US/ACWI)	1.14	1.07	1.43			+
	S&P 500 P/S	1.80	1.41	1.67			+
	MSCI ACWI P/S	1.36	1.19	0.87		-	
	Avg P/S Ratio (US/ACWI)	1.33	1.19	1.53			+
>	S&P 500 Debt/EBITDA	3.83	4.89	-1.18	+		
Solvency	MSCI ACWI Debt/EBITDA	5.44	6.42	-1.38			+
Ø	Avg Debt/EBITDA Ratio (US/ACWI)	0.70	0.76	-0.62		-	
_	S&P 500 LT EPS Gr (Fwd)	7.94	2.68	0.07		-	
Growth	MSCI ACWI LT EPS Gr (Fwd)	14.61	11.67	0.14		-	
	Avg Growth Ratio (US/ACWI)	0.54	0.73	-0.10		-	
Economy	Currency (USD v Broad Basket)	98.36	81.71	3.26			++

- In general, the valuation results are strongly in favor of the rest of the world ("R.O.W.") relative to the U.S. This relationship decreased slightly in the first quarter as non-U.S. stocks, in general, outperformed their U.S. counterparts
- The solvency data is mixed, slightly favoring the U.S. as these businesses tend to hold less debt on their balance sheet
- The growth metrics are fairly neutral, with the current market showing very little deviation from historical averages
- A strong U.S. Dollar should provide a tailwind for the R.O.W. relative to the U.S., current levels are well above their historical averages

Source: MSCI and Standard & Poor's



<sup>\*</sup>Deviation from mean represents how many standard deviations the current value is above or below the 10-year average, also known as the "Z-Score"

<sup>^</sup>EV/EBITDA, also known as the "enterprise multiple," is a ratio used to determine the value of a company. Unlike P/E, the enterprise multiple takes debt into account. This is often the ratio used by companies looking to acquire another business

# Region Mix - Non-U.S. Developed vs. Global

Equ	ity: Region (Non-U.S. Dev/Global)	Current	10 Year Avg	Deviation from Mean*	Non-U.S. Dev	Neutral	R.O.W.
	MSCI EAFE Current P/E	17.84	19.99	-0.12		-	
	MSCI ACWI Current P/E	17.31	16.53	0.20		-	
	Avg P/E Ratio (EAFE/ACWI)	1.03	1.12	-0.20		-	
E	MSCI EAFE EV/EBITDA^	9.07	9.13	-0.05		-	
Valuation	MSCI ACWI EV/EBITDA	10.19	9.48	0.68		-	
l §	Avg EV/EBITDA Ratio (EAFE/ACWI)	0.89	0.96	-1.78	+		
	MSCI EAFE P/S	1.05	0.97	0.43		-	
	MSCI ACWI P/S	1.36	1.19	0.87		-	
	Avg P/S Ratio (EAFE/ACWI)	0.77	0.81	-0.94		-	
75	MSCI EAFE Debt/EBITDA	7.30	8.84	-1.38	+		
Solvency	MSCI ACWI Debt/EBITDA	5.44	6.42	-1.38			+
Ø	Avg Debt/EBITDA Ratio (EAFE/ACWI)	1.34	1.38	-0.46		-	
_	MSCI EAFE LT EPS Gr (Fwd)	5.62	8.53	-0.09		-	
Growth	MSCI ACWI LT EPS Gr (Fwd)	7.75	11.79	-0.18		-	
	Avg Growth Ratio (EAFE/ACWI)	0.73	0.89	-0.07		-	
Economy	USD/EUR	1.07	1.34	-2.73			++

- Solvency levels are high globally and in non-U.S. developed countries. The current ratio between the two regions are almost exactly in line with their long-term average
- The growth metrics are neutral, with the current market showing very little deviation from historical averages
- A strengthening U.S. Dollar presents a tailwind for non-U.S. developed countries



In general, the valuation results are fairly neutral, slightly favoring an overweight to non-U.S. developed countries versus the R.O.W.

<sup>\*</sup>Deviation from mean represents how many standard deviations the current value is above or below the 10-year average, also known as the "Z-Score"

<sup>^</sup>EV/EBITDA, also known as the "enterprise multiple," is a ratio used to determine the value of a company. Unlike P/E, the enterprise multiple takes debt into account. This is often the ratio used by companies looking to acquire another business

Source: MSCI

# Region Mix - Emerging Markets vs. Global

ty: Region (EM/Global)	Current	10 Year Avg	Deviation from Mean*	EM	Neutral	R.O.W.
MSCI EM Current P/E	12.64	13.31	-0.24		-	
MSCI ACWI Current P/E	17.31	16.53	0.20		-	
Avg P/E Ratio (EM/ACWI)	0.73	0.81	-0.85		-	
MSCI EM EV/EBITDA^	7.55	7.82	-0.22		-	
MSCI ACWI EV/EBITDA	10.19	9.48	0.68		-	
Avg EV/EBITDA Ratio (EM/ACWI)	0.74	0.82	-0.99		-	
MSCI EM P/S	1.04	1.28	-0.81		-	
MSCI ACWI P/S	1.36	1.19	0.87		-	
Avg P/S Ratio (EM/ACWI)	0.77	1.07	-1.70	+		
MSCI EM Debt/EBITDA	4.09	3.02	1.59			+
MSCI ACWI Debt/EBITDA	5.44	6.42	-1.38			+
Avg Debt/EBITDA Ratio (EM/ACWI)	0.75	0.48	1.79			+
MSCI EM LT EPS Gr (Fwd)	13.40	9.76	0.16		-	
MSCI ACWI LT EPS Gr (Fwd)	14.61	11.67	0.14		-	
Avg Growth Ratio (EM/ACWI)	0.92	1.08	-0.06		-	
	MSCI EM Current P/E  MSCI ACWI Current P/E  Avg P/E Ratio (EM/ACWI)  MSCI EM EV/EBITDA^  MSCI ACWI EV/EBITDA  Avg EV/EBITDA Ratio (EM/ACWI)  MSCI EM P/S  MSCI ACWI P/S  Avg P/S Ratio (EM/ACWI)  MSCI EM Debt/EBITDA  MSCI ACWI Debt/EBITDA  Avg Debt/EBITDA Ratio (EM/ACWI)  MSCI ACWI DEBTDA  Avg Debt/EBITDA Ratio (EM/ACWI)  MSCI EM LT EPS Gr (Fwd)  MSCI ACWI LT EPS Gr (Fwd)	MSCI EM Current P/E       12.64         MSCI ACWI Current P/E       17.31         Avg P/E Ratio (EM/ACWI)       0.73         MSCI EM EV/EBITDA^       7.55         MSCI ACWI EV/EBITDA       10.19         Avg EV/EBITDA Ratio (EM/ACWI)       0.74         MSCI EM P/S       1.04         MSCI ACWI P/S       1.36         Avg P/S Ratio (EM/ACWI)       0.77         MSCI EM Debt/EBITDA       4.09         MSCI ACWI Debt/EBITDA Ratio (EM/ACWI)       0.75         MSCI EM LT EPS Gr (Fwd)       13.40         MSCI ACWI LT EPS Gr (Fwd)       14.61	ty: Region (EM/Global)         Current Avg           MSCI EM Current P/E         12.64         13.31           MSCI ACWI Current P/E         17.31         16.53           Avg P/E Ratio (EM/ACWI)         0.73         0.81           MSCI EM EV/EBITDA^         7.55         7.82           MSCI ACWI EV/EBITDA         10.19         9.48           Avg EV/EBITDA Ratio (EM/ACWI)         0.74         0.82           MSCI EM P/S         1.04         1.28           MSCI ACWI P/S         1.36         1.19           Avg P/S Ratio (EM/ACWI)         0.77         1.07           MSCI EM Debt/EBITDA         4.09         3.02           MSCI ACWI Debt/EBITDA Ratio (EM/ACWI)         0.75         0.48           MSCI EM LT EPS Gr (Fwd)         13.40         9.76           MSCI ACWI LT EPS Gr (Fwd)         14.61         11.67	ty: Region (EM/Global)         Current         Avg         from Mean*           MSCI EM Current P/E         12.64         13.31         -0.24           MSCI ACWI Current P/E         17.31         16.53         0.20           Avg P/E Ratio (EM/ACWI)         0.73         0.81         -0.85           MSCI EM EV/EBITDA^         7.55         7.82         -0.22           MSCI ACWI EV/EBITDA         10.19         9.48         0.68           Avg EV/EBITDA Ratio (EM/ACWI)         0.74         0.82         -0.99           MSCI EM P/S         1.04         1.28         -0.81           MSCI ACWI P/S         1.36         1.19         0.87           Avg P/S Ratio (EM/ACWI)         0.77         1.07         -1.70           MSCI EM Debt/EBITDA         4.09         3.02         1.59           MSCI ACWI Debt/EBITDA Ratio (EM/ACWI)         0.75         0.48         1.79           MSCI EM LT EPS Gr (Fwd)         13.40         9.76         0.16           MSCI ACWI LT EPS Gr (Fwd)         14.61         11.67         0.14	ty: Region (EM/Global)         Current         Avg         from Mean*         EM           MSCI EM Current P/E         12.64         13.31         -0.24           MSCI ACWI Current P/E         17.31         16.53         0.20           Avg P/E Ratio (EM/ACWI)         0.73         0.81         -0.85           MSCI EM EV/EBITDA^         7.55         7.82         -0.22           MSCI ACWI EV/EBITDA         10.19         9.48         0.68           Avg EV/EBITDA Ratio (EM/ACWI)         0.74         0.82         -0.99           MSCI ACWI P/S         1.36         1.19         0.87           Avg P/S Ratio (EM/ACWI)         0.77         1.07         -1.70         +           MSCI EM Debt/EBITDA         4.09         3.02         1.59           MSCI ACWI Debt/EBITDA Ratio (EM/ACWI)         0.75         0.48         1.79           MSCI EM LT EPS Gr (Fwd)         13.40         9.76         0.16           MSCI ACWI LT EPS Gr (Fwd)         14.61         11.67         0.14	ty: Region (EM/Global)         Current Avg         from Mean*         EM         Neutral           MSCI EM Current P/E         12.64         13.31         -0.24         -           MSCI ACWI Current P/E         17.31         16.53         0.20         -           Avg P/E Ratio (EM/ACWI)         0.73         0.81         -0.85         -           MSCI EM EV/EBITDA^         7.55         7.82         -0.22         -           MSCI ACWI EV/EBITDA         10.19         9.48         0.68         -           Avg EV/EBITDA Ratio (EM/ACWI)         0.74         0.82         -0.99         -           MSCI EM P/S         1.04         1.28         -0.81         -           MSCI ACWI P/S         1.36         1.19         0.87         -           Avg P/S Ratio (EM/ACWI)         0.77         1.07         -1.70         +           MSCI EM Debt/EBITDA         4.09         3.02         1.59           MSCI ACWI Debt/EBITDA Ratio (EM/ACWI)         0.75         0.48         1.79           MSCI EM LT EPS Gr (Fwd)         13.40         9.76         0.16         -           MSCI ACWI LT EPS Gr (Fwd)         14.61         11.67         0.14         -

- Valuation metrics are somewhat neutral, slightly favoring Emerging Markets ("EM"). In particular, the EV/EBITDA metrics suggest that EM is more attractive than the R.O.W.
- The solvency data is in favor of the R.O.W. In general, EM companies have far more debt on their balances sheets than they have had historically. However, this relationship is improving as EM companies become more efficient with their capital
- The growth metrics are neutral, with the current market showing very little deviation from historical averages

Source: MSCI



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<sup>^</sup>EV/EBITDA, also known as the "enterprise multiple," is a ratio used to determine the value of a company. Unlike P/E, the enterprise multiple takes debt into account. This is often the ratio used by companies looking to acquire another business

#### Recommended Ranges

Market Cap (U.S.)	Minimum	Maximum	R3000	
Large Cap (> \$24.5B)	50.0%	70.0%	65.1%	
Mid Cap (\$3B - \$24.5B)	25.0%	40.0%	27.4%	
Small Cap (< \$3B)	2.5%	12.5%	7.5%	

Region	Minimum	Maximum	MSCI ACWI	
U.S.	45.0%	65.0%	50.3%	
Non-U.S. Developed	25.0%	40.0%	38.8%	
Emerging Markets	5.0%	20.0%	10.9%	

Client objectives and constraints may cause allocations to vary from recommended ranges

- The portfolio ranges conveys Canterbury's desire to maintain a home country bias
- Market cap exposures are similar to the index with an overweight to mid cap at the expense of large cap.
   Canterbury invests in active managers that have some flexibility with regard to market cap
- Our portfolios are overweight consumer discretionary because that is where investment managers are finding the best opportunities. They are also underweight REITs and Utilities where valuations have become stretched
- Canterbury aims to construct concentrated portfolios with attractive growth-to-value characteristics