

### Market related news for the week ending May 4, 2018

- Monday T-Mobile and Sprint announced plans to merge with the combined company valued at \$146 billion. The agreement comes after 4 years of discussions. The deal would combine the third and fourth largest U.S. wireless carriers and is expected to come under intense scrutiny from antitrust regulators.
- McDonald's reported earnings Monday, beating on both top and bottom lines. Menu price increases helped to lift U.S. sales.
- Tuesday Apple reported revenue and profit results that beat expectations. The company also announced it was adding to its capital return program by \$100 billion, beginning in the June quarter. \$23.5 billion of stock was bought back in the March quarter.
- At Facebook's annual F8 conference Tuesday, the company announced it was planning to offer a dating service. Shares of online dating company Match fell over 20% and its parent company IAC fell around 15% on the news.
- Shares of Snap dropped 20% in early trade Wednesday after releasing weaker-than-expected revenue and daily active user results.
- Shares of Tesla dropped more than 7% Thursday after analysts were left unimpressed by CEO Elon Musk's behavior during the company's earnings conference call.
- Shares of Shake Shack soared over 20% Friday to a 52 week high after releasing better-than-expected earnings after the bell Thursday.

### Market levels

	5/4/18	12/31/17	Market Low
Dow	24,263	24,719	6,547 (3/09)
S&P 500®	2,663	2,674	677 (3/09)
NASDAQ	7,210	6,903	1,268 (3/09)
VIX	14.77	11.04	56.7 (1/09)

### Market total returns

	1 Week	QTD	YTD	2017
Dow	-0.19%	0.76%	-1.22%	28.11%
S&P 500®	-0.21%	1.00%	0.23%	21.82%
NASDAQ	1.29%	2.13%	4.78%	29.73%
Russell Midcap®	-0.28%	0.39%	-0.08%	18.50%
Russell 2000®	0.62%	2.43%	2.36%	14.63%
MSCI EAFE (Net)	-0.46%	1.75%	0.19%	25.03%
MSCI EM (Net)	-1.70%	-2.82%	-1.45%	37.28%
REITs	1.22%	2.05%	-4.75%	8.67%

### Global returns<sup>1</sup>

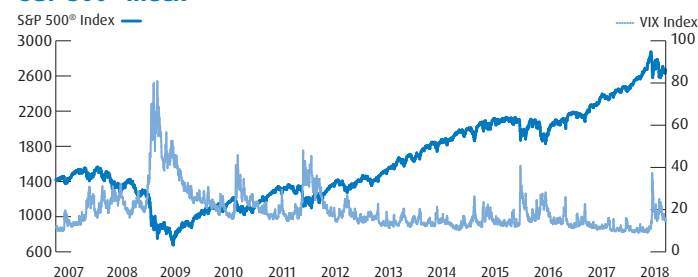
EAFE countries	1 Week	YTD	Emerging countries	1 Week	YTD
UK	0.91%	-0.09%	MSCI BRIC	-1.26%	-0.19%
Germany	1.90%	-0.76%	Brazil	-3.85%	8.79%
France	0.97%	4.84%	Russia	-1.70%	-0.55%
Switzerland	0.76%	-2.32%	India	-0.16%	2.71%
Japan	0.02%	-0.46%	China	0.31%	-6.48%
Australia	1.84%	1.68%	S. Korea	-1.24%	-0.09%

<sup>1</sup> See page 3 for global returns country-specific indices.

### Real assets

	5/4/18	12/31/17	YTD
Gold	\$1,315.35	\$1,303.05	0.94%
Oil	\$69.72	\$60.06	16.08%
Natural Gas	\$2.71	\$2.77	-2.24%
DJUBS	\$89.99	\$88.17	2.07%
USD Index	\$92.57	\$92.12	0.48%
USD/EUR	\$1.20	\$1.20	-0.37%

### Featured chart: Implied stock market volatility and the S&P 500® Index



### Style returns

#### One week

	Large	Mid	Small
V	-1.31%	-0.86%	0.45%
G	0.94%	0.45%	0.77%

#### Year-to-date

	Large	Mid	Small
V	-2.87%	-2.01%	0.47%
G	3.39%	2.42%	4.12%

Russell Value and Growth Indices

### Index characteristics

	Trlg P/E	Fwd P/E	Div Yield	Earn Yield
S&P 500®	20.28	15.33	2.00	4.93
MSCI EAFE	15.10	13.45	3.31	6.62
MSCI EM	14.04	11.00	2.82	7.12
Russell 1000®	20.37	15.51	1.95	4.91
Russell 2000®	21.00	20.39	1.18	4.76

### S&P sector performance

	Weight	1 Week	QTD	YTD
Information technology	25.7%	3.2%	3.9%	7.5%
Financials	14.4%	-1.6%	-1.0%	-1.9%
Health care	13.9%	-3.0%	-0.3%	-1.5%
Consumer discretionary	12.9%	-0.1%	2.7%	5.8%
Industrials	9.8%	-1.3%	-2.8%	-4.3%
Consumer staples	6.8%	-2.0%	-5.7%	-12.4%
Energy	6.3%	0.0%	9.4%	3.0%
Utilities	2.9%	-0.3%	2.0%	-1.4%
Materials	2.9%	0.1%	1.5%	-4.1%
REITs	2.7%	1.0%	0.8%	-4.5%
Telecommunications	1.8%	-4.6%	-2.9%	-10.2%

### Economic news for the week ending May 4, 2018

- Monday: Personal Income and Outlays for March jumped 2.0% year-on-year.
- Monday: Chicago PMI for April came in at 57.6.
- Tuesday: PMI Manufacturing Index for April was 56.5.
- Tuesday: ISM Manufacturing Index for April came in at 57.3.
- Wednesday: The FOMC meeting ended with no rate hike.
- Thursday: PMI Services Index for April was 54.6.
- Thursday: International Trade for March came in at \$-49.0 billion.
- Thursday: Jobless Claims for week 4/28 were 211,000.
- Friday: The Employment Situation for April revealed a 3.9% unemployment rate. Jobs created came in at 164,000, less than expected. Wage growth was 2.6% year-on-year.

### Economic events for the week ending May 11, 2018 (all times listed are Eastern)

- Tuesday: JOLTS for March at 10.00am.
- Wednesday: PPI-FD for April at 8.30am.
- Thursday: Consumer Price index for April at 8.30am.
- Thursday: Jobless Claims for week 5/5.
- Friday: Consumer Sentiment for May(p) at 10.00am.

### Bond market returns

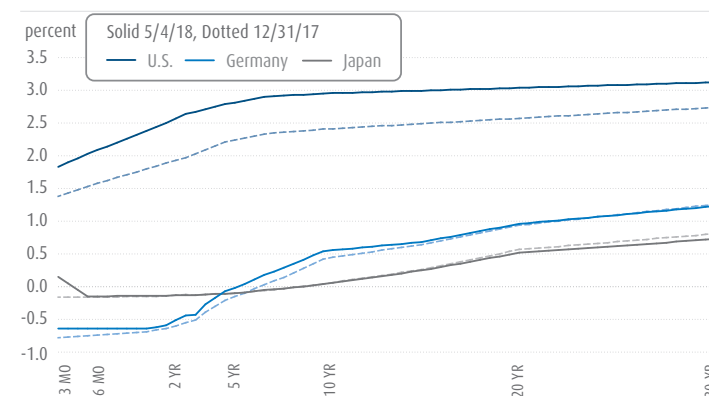
	U.S. Aggregate	Intermediate Gov't/Credit	U.S. Treasury	Inv. Grade Corporates	MBS	1-10-Yr Municipals	High Yield	EM Corporates
1-Week Total Return	0.02%	0.05%	0.12%	-0.20%	0.11%	0.32%	-0.07%	-0.67%
MTD Total Return	-0.08%	-0.01%	-0.01%	-0.30%	0.04%	0.26%	-0.08%	-0.67%
3-Month Total Return	-0.46%	-0.34%	0.04%	-1.80%	0.13%	0.21%	-0.49%	-2.57%
YTD Total Return	-2.27%	-1.51%	-1.99%	-3.52%	-1.65%	-0.72%	-0.29%	-2.78%
12-Month Total Return	-0.12%	-0.59%	-0.77%	0.66%	-0.10%	0.47%	3.24%	0.90%
Effective Duration (years)	6.11	3.99	6.14	7.32	5.32	4.06	3.97	4.60
Effective Maturity (years)	8.51	4.39	7.73	11.01	7.73	5.91	6.20	6.38
Yield to Worst	3.31%	3.03%	2.76%	3.96%	3.44%	2.37%	6.31%	5.58%
OAS (basis points)	41	32	NA	112	27	NA	343	282
Average OAS (from January 1997)	63	55	NA	153	55	NA	550	491

### Key rates

	This week	Prior week	Most recent quarter-end	Prior year-end
2-Year Treasury	2.50	2.49	2.27	1.19
5-Year Treasury	2.79	2.80	2.56	1.93
10-Year Treasury	2.95	2.96	2.74	2.45
2-Year AAA Muni	1.86	1.86	1.67	1.23
5-Year AAA Muni	2.14	2.20	2.06	1.80
10-Year AAA Muni	2.45	2.54	2.47	2.35
2-Year A Corporate	2.96	2.95	2.82	1.80
5-Year A Corporate	3.42	3.42	3.22	2.61
10-Year A Corporate	3.91	3.90	3.68	3.37

### Fixed income markets

#### Developed markets | Government Bond yield curves





<sup>1</sup> Global returns shown on page one represent the following indices: FTSE 100 Index (UK), Deutsche Borse AG German Stock Index (Germany), CAC 40 Index (France), Swiss Market Index (Switzerland), Nikkei-225 Stock Average (Japan), S&P/ASX 200 (Australia), MSCI BRIC Index, Ibovespa Brasil Sao Paulo Stock Exchange Index (Brazil), Russian Trading System Cash Index (Russia), S&P BSE Sensex Index (India), Korea Stock Exchange KOSPI Index (South Korea), The Shanghai Stock Exchange Composite Index (China).

### Equity indices

**S&P 500® Index** (S&P 500®) is an unmanaged index of large-cap common stocks.

**Dow Jones Industrial Average** (Dow) is a price-weighted average of 30 significant stocks traded on the New York Stock Exchange and the Nasdaq.

**Russell 1000® Index** (Russell 1000®) consists of approximately 1,000 of the largest companies in the U.S. equity markets.

**Russell 1000® Growth Index** measures the performance of those Russell 1000 Companies with higher price-to-book ratios and higher forecasted growth values.

**Russell 1000® Value Index** measures the performance of those Russell 1000 Companies with lower price-to-book ratios and lower forecasted growth values.

**Russell Midcap® Index** (Russell Midcap®) measures the performance of the smallest 800 U.S. companies in the Russell 1000 Index.

**Russell Midcap® Growth Index** measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values.

**Russell Midcap® Value Index** measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values.

**Russell 2000® Index** (Russell 2000®) is an unmanaged index that measures the performance of the smallest 2000 U.S. companies in the Russell 3000® Index.

**Russell 2000® Growth Index** measures the performance of those Russell 2000 Companies with higher price-to-book ratios and higher forecasted growth values.

**Russell 2000® Value Index** measures the performance of those Russell 2000 Companies with lower price-to-book ratios and lower forecasted growth values.

**MSCI EAFE Index (NDDUEAFE) (Developed Markets)—MSCI EAFE Index Europe, Australasia, and Far East Index (EAFE)** is a standard unmanaged foreign securities index representing major non-U.S. stock markets, as monitored by Morgan Stanley Capital International.

**MSCI Emerging Markets Index** (NDUEEGF) is a market capitalization weighted index comprised of over 800 companies representative of the market structure of the emerging countries in Europe, Latin America, Africa, Middle East and Asia. Prior to January 1, 2002, the returns of the MSCI Emerging Markets Index were presented before application of withholding taxes.

**NASDAQ Composite Index** is a market-cap weighted index of the more than 3,000 common equities listed on the Nasdaq stock exchange.

**VIX Index**—The Chicago Board Options Exchange Market Volatility Index is a measure of implied volatility of S&P 500 index options, often referred to as the “fear” index.

**MSCI BRIC Index** (NDUEBRIC) is a free float weighted equity index designed to measure performance of the following four emerging market country indices: Brazil, Russia, India and China.

**NIKKEI 225 Index** is a price-weighted average of 225 top-rated Japanese companies listed in the First Section of the Tokyo Stock Exchange.

**KOSPI Index** is a capitalization-weighted index of all common shares on the Korean Stock Exchanges.

**FTSE NAREIT All Eq REITs Index** contains all tax-qualified REITs with more than 50 percent of total assets in qualifying real estate assets other than mortgages secured by real property that also meet minimum size and liquidity criteria.

**FTSE 100 Index** is a capitalization-weighted index of the 100 most highly capitalized companies traded on the London Stock Exchange. The equities use an investibility weighting in the index calculation.

**Deutsche Borse AG German Stock Index (DAX)** is a total return index of 30 selected German blue chip stocks traded on the Frankfurt Stock Exchange. The equities use free float shares in the index calculation.

**CAC 40 Index** is a modified cap-weighted index of 40 companies on the Paris Bourse.

**Swiss Market Index** is an index of the largest and most liquid stocks traded on the Geneva, Zurich, and Basle Stock Exchanges.

**S&P/ASX 200** measures the performance of the 200 largest index-eligible stocks listed on the ASX by float-adjusted market capitalization. Representative liquid and tradable, it is widely considered Australia’s preeminent benchmark index. The index is float-adjusted.

**Ibovespa Brasil Sao Paulo Stock Exchange Index** is a gross total return index weighted by market value to the free float & is comprised of the most liquid stocks traded on the Sao Paulo Stock Exchange.

**Russian Trading System Cash (RTS) Index** is cap-weighted composite index calculated based on prices of the 50 most liquid Russian stocks of the largest and dynamically developing Russian issuers presented on the Moscow Exchange.

**S&P BSE Sensex Index** is a cap-weighted index. The index members have been selected on the basis of liquidity, depth, and floating-stock-adjustment depth and industry representation.

**Shanghai Stock Exchange Composite Index** is a capitalization-weighted index. The index tracks the daily price performance of all A-shares and B-shares listed on the Shanghai Stock Exchange.

**Contact**

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[bmo-gam.com](http://bmo-gam.com)

**Fixed income indices**

**Bloomberg Barclays U.S. Aggregate Bond Index** is an unmanaged index that covers the U.S. investment-grade fixed-rate bond market, including government and credit securities, agency mortgage pass-through securities, asset-backed securities and commercial mortgage-based securities.

**Bloomberg Barclays U.S. Intermediate Government/Credit Bond Index** is an unmanaged index comprised of government and corporate bonds rated BBB or higher with maturities between 1-10 years.

**Bloomberg Barclays U.S. Corporate Bond Index** is designed to measure the performance of the U.S. corporate bond market.

**Bloomberg Barclays U.S. Treasury Index** is an unmanaged index that includes a broad range of U.S. Treasury obligations and is considered representative of U.S. Treasury bond performance overall.

**Bloomberg Barclays U.S. MBS Index** is an index that includes 15- and 30-year fixed-rate securities backed by mortgage pools of GinnieMae, FreddieMac and FannieMae.

**Bloomberg Barclays U.S. Corporate High-Yield Bond Index** is an unmanaged index that covers the USD-denominated, non-investment-grade, fixed-rate, taxable corporate bond market.

**Bloomberg Barclays 1-10 Year Blend Municipal Bond Index** is a market value-weighted index which covers the short and intermediate components of the Barclays Capital Municipal Bond Index—an unmanaged, market value-weighted index which covers the U.S. investment-grade tax-exempt bond market.

**Bloomberg Barclays Emerging Markets Corporate Index** is a component of the Barclays US Emerging Markets Index which is made up of debt issued by corporations.

**Other Definitions**

**Duration:** incorporates a bond's yield, coupon, final maturity and call features into one number, expressed in years, that indicates how price-sensitive a bond or portfolio is to changes in interest rates. Effective duration can also be defined as the approximate percentage change in a security's price that will result from a 1% (100-basis-point) change in its yield.

**Yield to Worst:** lowest potential yield that can be received on a bond without the issuer defaulting. This yield measure takes in to account any bond calls or sinking funds.

**OAS:** acronym for "option adjusted spread" which is the spread that has to be added to the Treasury yield curve in a pricing model (including embedded options) to discount a security to match its market price.

**Investments cannot be made in an index.**

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