



Takeaways

The FOMC December statement has revealed a unanimous vote for a 2nd Fed funds rate increase, while economic projections reinforced the Fed's stance to stay true to its data-dependent course and to adjust the Fed funds rate trajectory accordingly if inflation expectations rise faster than anticipated

The median expectation of the FOMC policy firming path has shifted from two to three rate increases in 2017. Fed funds futures are pricing in two rate hikes in 2017. However, the implied probability for another rate increase at the January/February meeting is low at 12%

Year-end long-term yields have normalized at rates that have not been this high since September-October 2014. The current uptick in rates has been contained by subdued volatility, a correction in inflation expectations to 2%, and a return to positive territory for long-term and mid-term duration-risk compression

We continue to expect a moderate increase in long-term yields, supported by soft risk-on sentiment and higher expectations for growth and inflation. The baseline is for higher long-term rates and for a relatively flatter yield curve, while overall long-term yields risks to the baseline projections are biased towards the upside



Unconventional monetary policy

Federal Funds Rate and 10-Year Treasury Note





Third rate hike is priced in for 2Q17

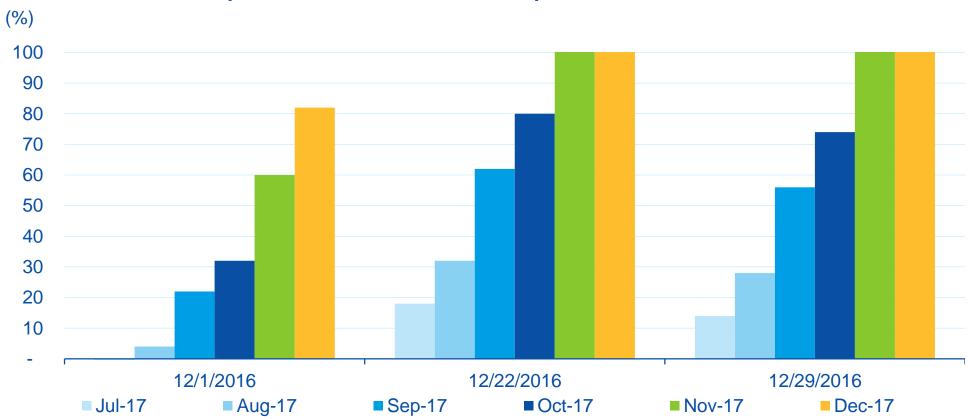
Fed Funds Futures Implied Probabilities, Third 25bp Hike





Fourth rate hike is priced in for 3Q17

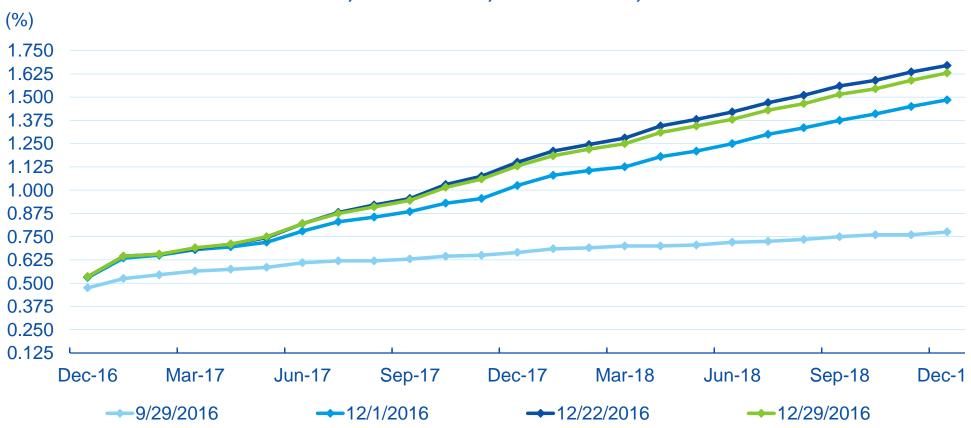
Fed Funds Futures Implied Probabilities, Fourth 25bp Hike





Fed funds futures curve

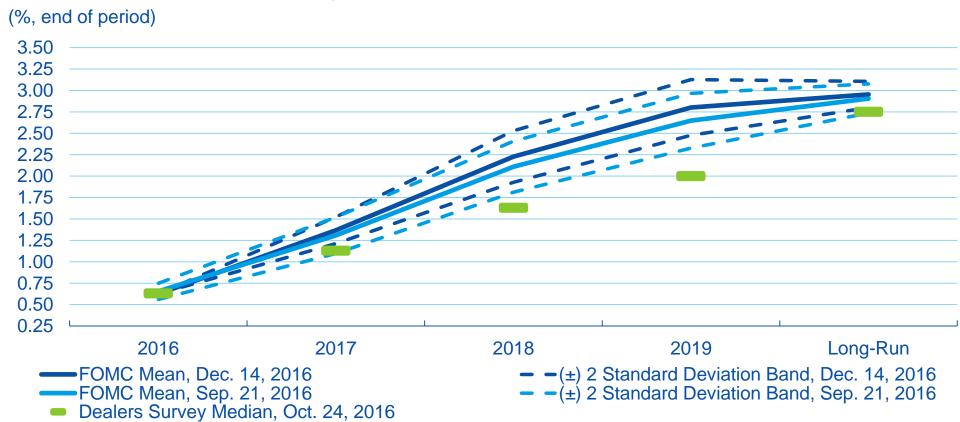
Fed Funds Futures – Most Recent, 1 Week Prior, 1 Month Prior, 3 Months Prior





FOMC policy firming trajectory median revised upwards by 25 basis points in both 2017 and 2018

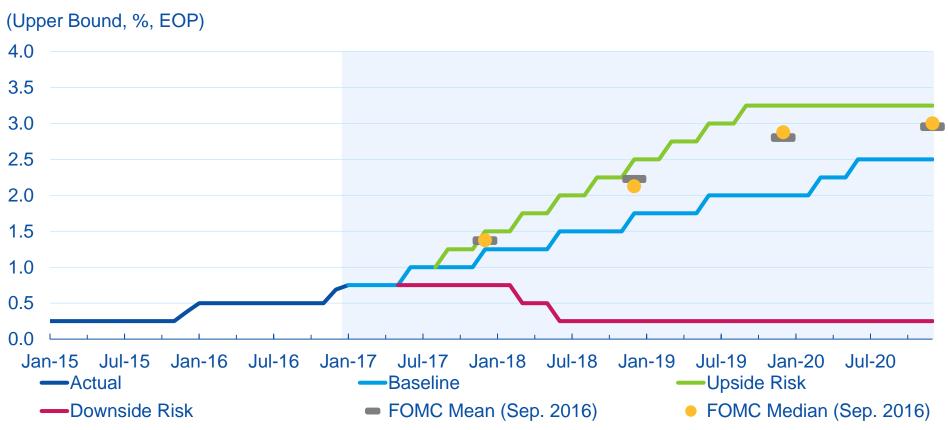
Projected Pace of Policy Firming





BBVA forecast of the pace of Fed funds firming remains unchanged

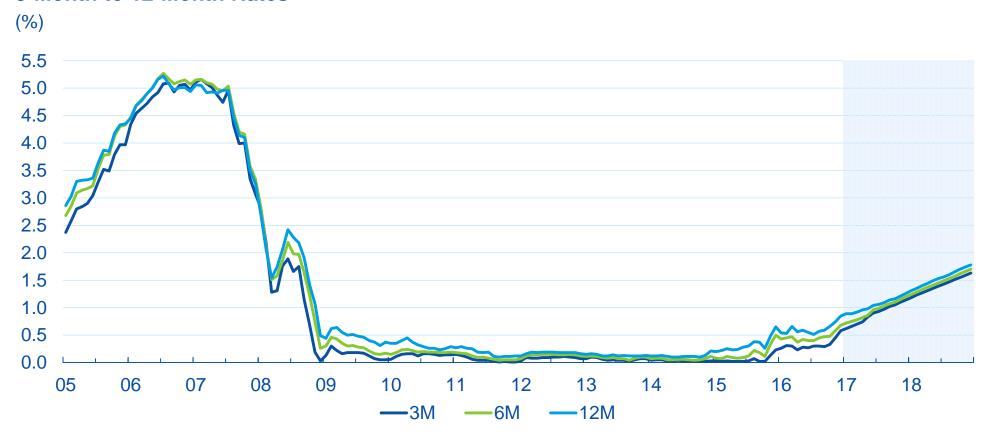
Federal Funds Rate





Baseline forecasts of Treasury Bill yield

3-Month to 12-Month Rates





Long-term yield volatility has normalized below historic mean

10-Year U.S. Treasury Note Volatility



Index measures a constant 30-day expected volatility of 10-Year Treasury Note futures prices, and is calculated based on transparent pricing from Chicago Board of Trade's actively traded options on the Treasury Note futures.



Long-term yield volatility trading is contained

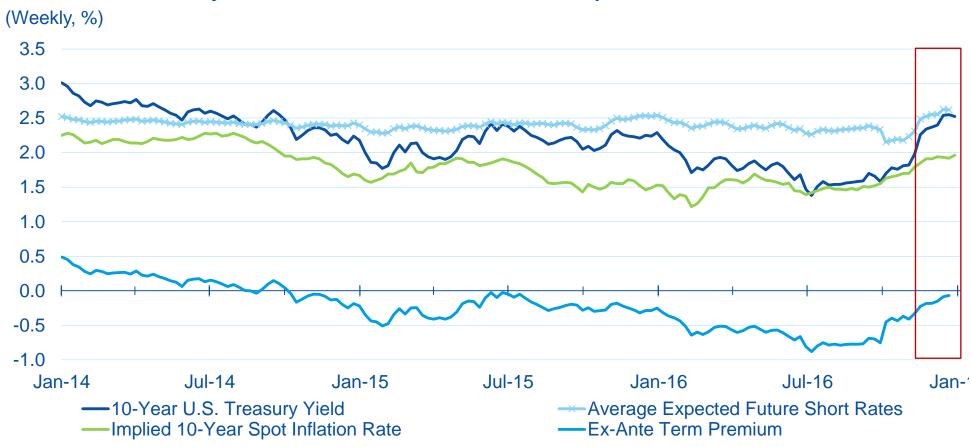
10-Year U.S. Treasury Note Volatility





Soft upward pressure on term premium maintained

10-Year U.S. Treasury Term Premium & Market Inflation Expectations





Mid-term duration-risk compression has normalized in the vicinity of 18 basis points

Duration-Risk Compression



Calculated as the difference between 5-Year and 3-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



Long-term duration-risk compression has normalized in the vicinity of 10 basis points

Duration-Risk Compression



Calculated as the difference between 5-Year and 3-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



10-year treasury yield forecasts

10-Year U.S. Treasury Yield



^{*} National Association for Business Economics (NABE) Outlook median forecast compiled from a panel of NABE members. Last release date Dec 4, 2016

^{**} Survey of Professional Forecasters (SPF) conducted by Federal Reserve Bank of Philadelphia. Last release date November 14, 2016

^{***} Congressional Budget Office (CBO). Last release date Dec 1, 2016

^{****}The Blue Chip Consensus is the average of about 50 private forecasts. Last release date July 19, 2016



Yield curve slope forecasts

Treasury Yield Curve Slope

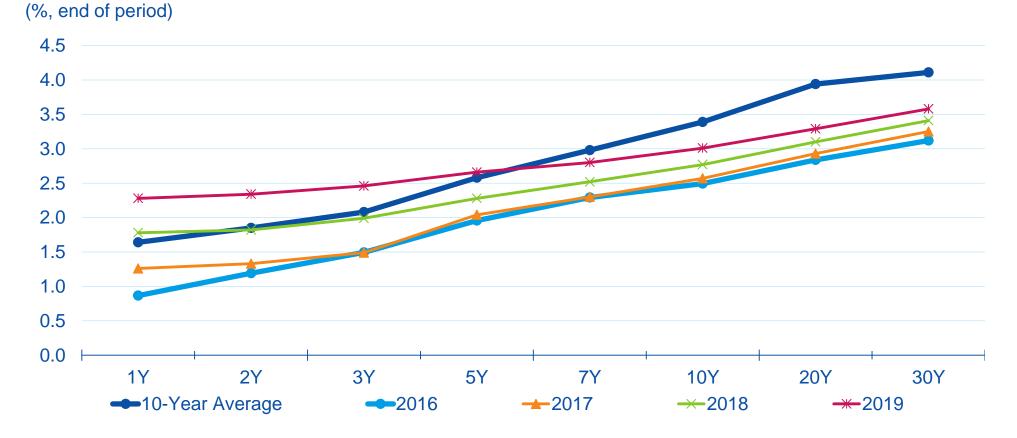




Yield curve forecasts

Treasury Yield Curve Baseline Forecast

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Treasury yield curve baseline forecasts

U.S. Treasury Yield Curve



Treasury yield curve is estimated with a three-factor no-arbitrage model linked to macroeconomic factors measuring growth, inflation and monetary policy. Estimates are based on BBVA Research baseline forecast for GDP growth, inflation and Fed funds rate.



Swap curve baseline forecasts

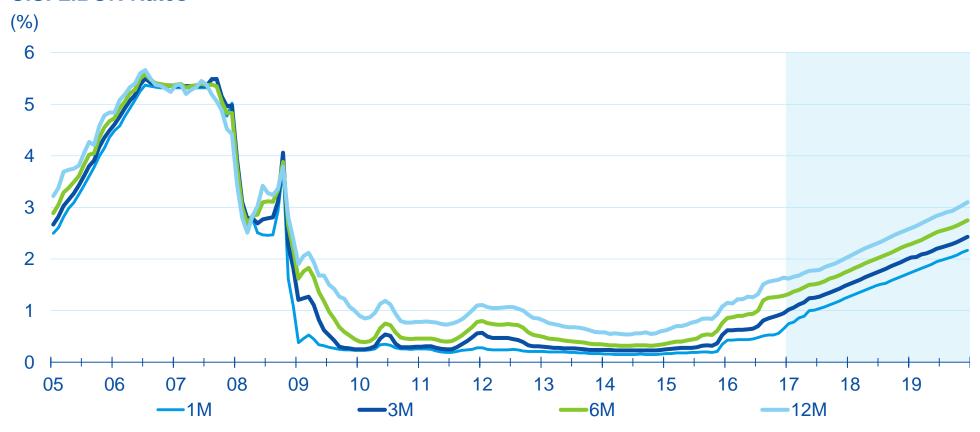
U.S. Swap Rates





LIBOR curve baseline forecasts

U.S. LIBOR Rates





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