

# U.S. Interest Rates Chartbook June 2017



## **Takeaways**

- ♦ The FOMC raised the Fed funds rate 25bp to 1.25% after the June meeting. In addition, it signaled a firm intention to raise rates one more time in 2017 and provided clear guidance on balance sheet normalization as it prepares to roll off the process in coming months
- Although the Fed funds futures market remains aligned with the FOMC on the likelihood of one more rate increase before year-end 2017, both paths diverge significantly thereafter
- The yield curve has further flattened under upward pressure from the policy rate increase and from downward pressure on the long-end from a decline in inflation expectations and safe-haven flows
- Our baseline scenario assumes a moderate increase in long-term yields, supported by robust growth expectations, a tightening labor market, and upward pressure from term premium given the Fed's plan to trigger balance sheet normalization





## **Unconventional Monetary Policy**

#### FEDERAL FUNDS RATE AND 10-YEAR TREASURE NOTE

(%)





## Fifth Rate Hike is Priced in for 4Q17

#### FED FUNDS FUTURES IMPLIED PROBABILITIES, FIFTH 25BP HIKE

(%)



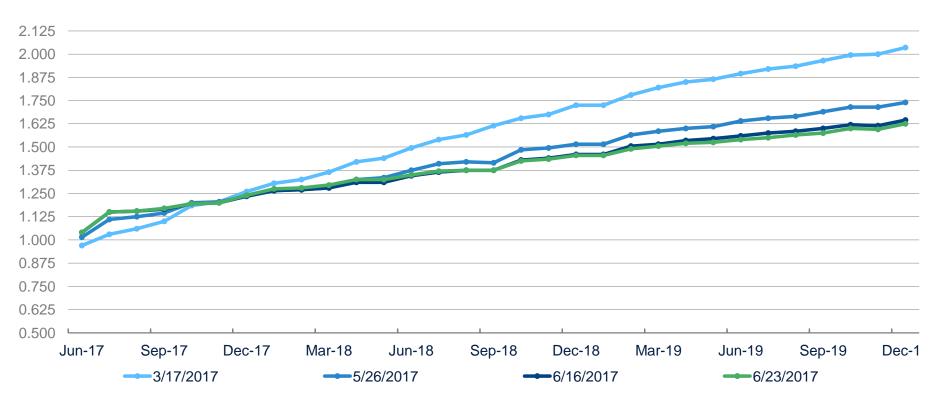
Source: BBVA Research and Bloomberg



### **Fed Funds Futures Curve**

#### FED FUNDS FUTURES - MOST RECENT, 1 WEEK PRIOR, 1 MONTH PRIOR, 3 MONTHS PRIOR

(%)

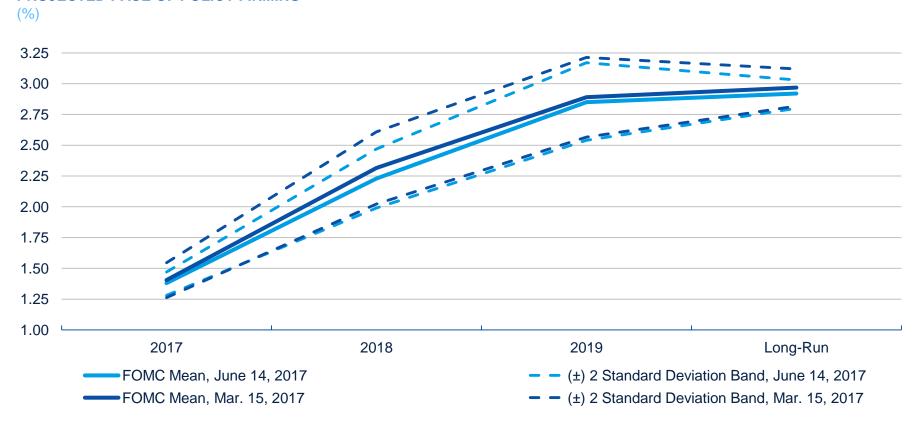


Source: BBVA Research and Bloomberg



## FOMC 2017 and 2018 Policy Firming Trajectory Medians Remain Unchanged

#### PROJECTED PACE OF POLICY FIRMING

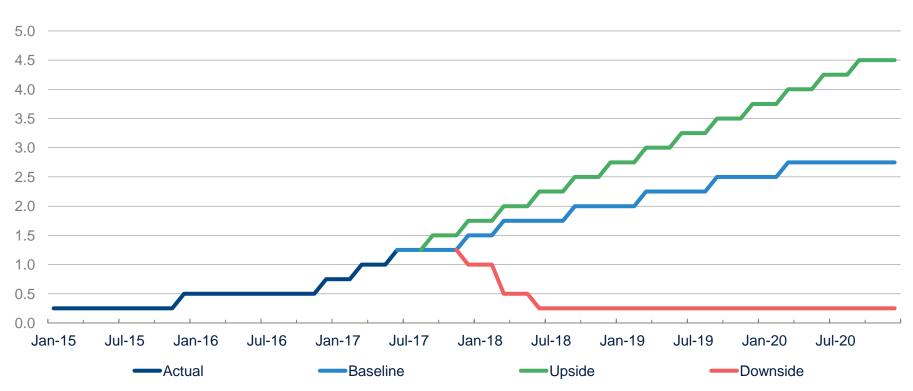




## **BBVA Fed Funds Firming Pace Forecast**

#### **FEDERAL FUNDS RATE**

(%, Upper Bound, End of Period)

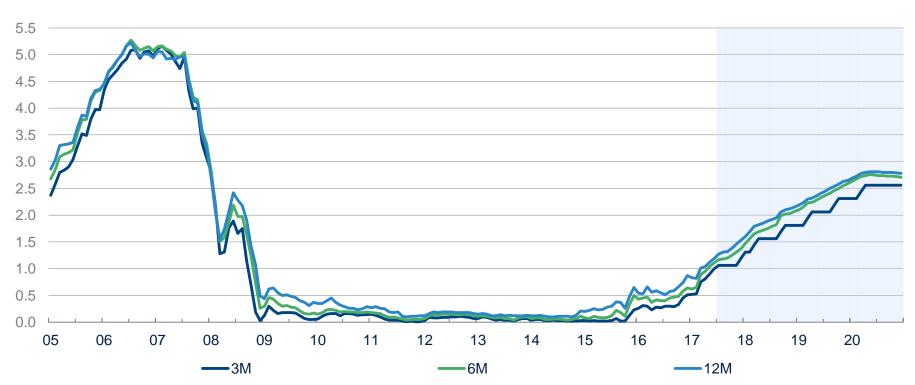




## **BBVA Baseline Forecasts of Treasury Bill Yield**

#### **3-MONTH TO 12-MONTH RATES**







## Long-Term Yield Volatility Has Further Declined Below Historic Mean

#### 10-YEAR U.S. TREASURY NOTE VOLATILITY

(Daily index)



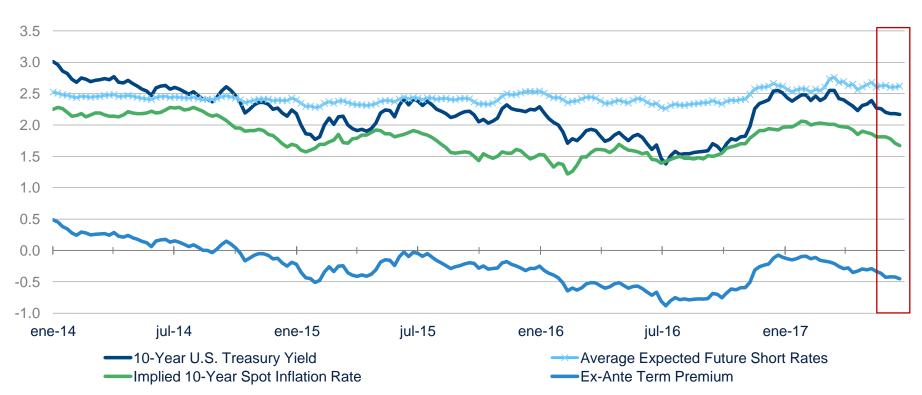
Index measures a constant 30-day expected volatility of 10-Year Treasury Note futures prices, and is calculated based on transparent pricing from the Chicago Board of Trade's actively traded options on the Treasury Note futures



### **Downward Pressure on Term Premium Resumed**

#### 10-YEAR U.S. TREASURY TERM PREMIUM & MARKET INFLATION EXPECTATIONS

(Weekly, %)



Source: BBVA Research and Federal Reserve Board



## Mid-Term Duration-Risk Compression Has Declined by 6 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 Declined to Near Zero

#### **DURATION-RISK COMPRESSION**





Calculated as the difference between 10-Year and 5-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



## Futures Declined, Discounting a 8bp Raise in 10YTN Yields Over the Next 3 Quarters

10-YEAR U.S. TREASURY YIELD FUTURES – MOST RECENT, 1 WEEK PRIOR, 1 MONTH PRIOR, 3 MONTHS PRIOR (%)





## **10-Year Treasury Yield Forecasts**

#### **10-YEAR U.S. TREASURY YIELD**



<sup>\*</sup> National Association for Business Economics (NABE) Outlook median forecast compiled from a panel of NABE members. Last release date June 4, 2017

<sup>\*\*</sup> Survey of Professional Forecasters (SPF) conducted by Federal Reserve Bank of Philadelphia. Last release date May 12, 2017

<sup>\*\*\*</sup> Congressional Budget Office (CBO). Last release date January 24, 2017

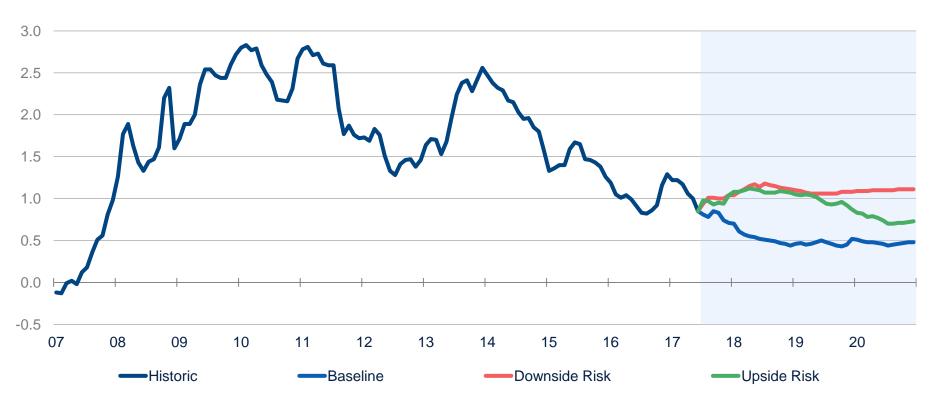
<sup>\*\*\*\*</sup> Administration: 2018 Budget. Last release date May 23, 2017



## **Yield Curve Slope Forecasts**

#### TREASURY YIELD CURVE SLOPE

(%, 10Y-2Y)





## **Treasury Yield Curve Baseline Forecasts**

#### **U.S. TREASURY YIELD CURVE**





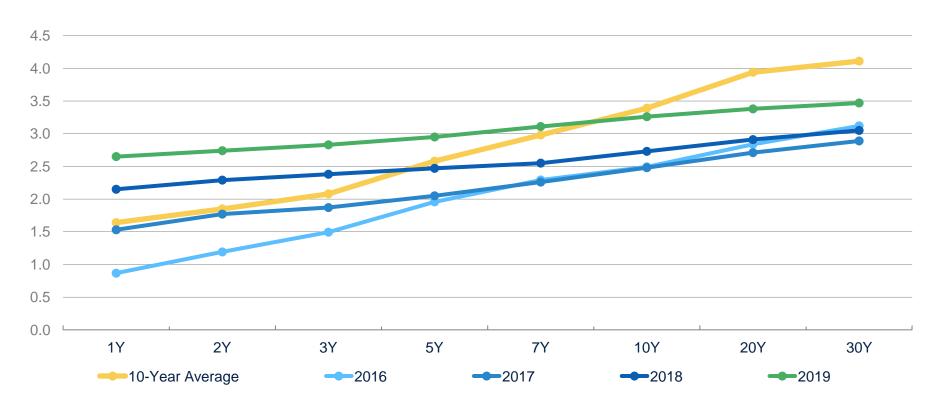
Treasury yield curve is estimated with a three-factor no-arbitrage model linked to macroeconomic factors measuring growth, inflation and monetary policy. Estimates are based on BBVA research baseline forecast for GDP growth, inflation and Fed funds rate.



## **Yield Curve Forecasts**

#### TREASURY YIELD CURVE BASELINE FORECAST

(%, End of Period)



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**

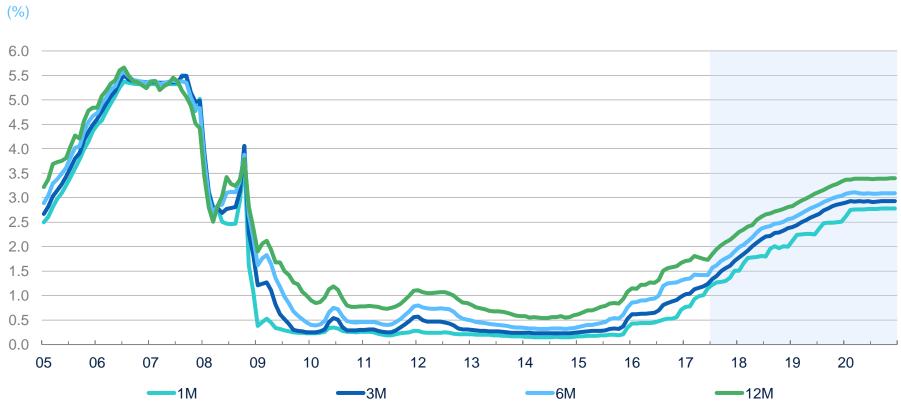
#### **U.S. SWAP RATES**





## **LIBOR Curve Baseline Forecasts**

#### **U.S. DOLLAR LIBOR RATES**





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