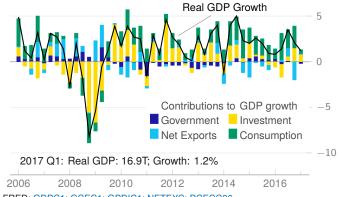
Updated: June 22, 2017

First quarter U.S. economic growth slowed from lower consumption spending growth, despite an improvement in exports. The unemployment rate is gradually nearing its long-run full-capacity level. Inflation is below two percent in both the core CPI and the full index, with no expected acceleration. Elevated consumer confidence and P/E ratios, with near long-term low equity market volatility, show an extraordinary level of optimism. The yield curve for government debt has flattened while the dollar remains strong.

Economic Growth and Employment

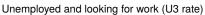
Real Gross Domestic Product (GDP)

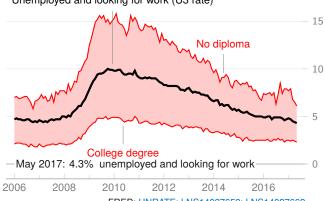
(Quarterly percent change, seasonally-adjusted annual rate)



FRED: GDPC1; GCEC1; GPDIC1; NETEXC; PCECC96

Civilian unemployment rate (percent)



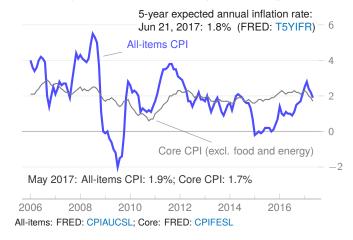


FRED: UNRATE; LNS14027659; LNS14027662

FRED: CPI Indexes

Inflation and Prices

Consumer price index (CPI) (annual percent change)

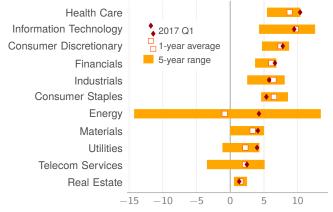


CPI components (annual percent change) Energy



Markets, Interest Rates, and Other Indicators

S&P 500 Reported Earnings per Share by Industry



S&P Dow Jones Indices: S&P 500 growth forecasts (.xls)

Recent market developments and other key indicators

| | | one month | one year | as 01. |
|-----------------------------|---------|---------------|---------------|------------|
| S&P 500 index | 2434.50 | ▲ 1.3% | ▲ 16.7% | 2017-06-22 |
| CBOE volatility index (VIX) | 10.48 | ▲ 4.6% | ▼ -50.5% | 2017-06-22 |
| Bank deposit interest rate | 0.17% | ▲ 0.01 | ▲ 0.05 | May 2017 |
| 3-month treasury bill yield | 0.96% | ▲ 0.03 | ▲ 0.68 | 2017-06-22 |
| 2-year treasury bond yield | 1.34% | ▲ 0.05 | ▲ 0.60 | 2017-06-22 |
| 10-year treasury bond yield | 2.15% | ▼ -0.11 | ▲ 0.48 | 2017-06-22 |
| 30-year mortgage rate | 3.90% | ▼ -0.05 | ▲ 0.34 | 2017-06-22 |
| US Dollar, broad index | 122.30 | ▼ -1.2% | ▲ 1.0% | Jun 2017 |
| Crude oil, US\$/barrel | \$42.78 | ▼ -16.6% | ▼ -12.7% | 2017-06-22 |
| Industrial production index | 105.0 | -0.0% | ▲ 2.2% | May 2017 |
| Consumer confidence index | 97.1 | ▲ 0.1% | ▲ 2.5% | May 2017 |
| D | | | | |

Retrieved from FRED, CBOE, Quandl, and University of Michigan