

# U.S. Auto Industry Chartbook

BBVA Research USA

Houston, TX

Second Quarter 2015



#### Key messages

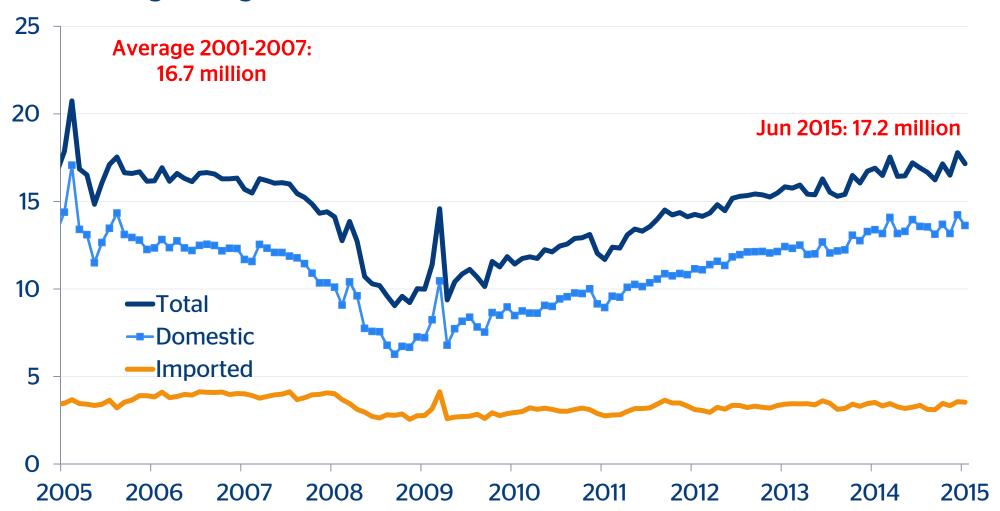
- Robust demand for light weight vehicles driven by low interest rates, low energy prices, and improving job availability/income prospects
- Lower inflation and employment growth are boosting real personal income, which has returned to its pre-recession pace
- CPI shows further downward pressures on prices of used vehicles
- Credit continued to flow as loan originations are about to reached 2005-2006 levels
- The average age of passenger cars in operation flattened at 11.4 years, suggesting a turning point that could lead to more sales in the following years
- On a year-over-year basis, sales of plug-in vehicles declined in 2Q15 reflecting the impact of low gasoline prices





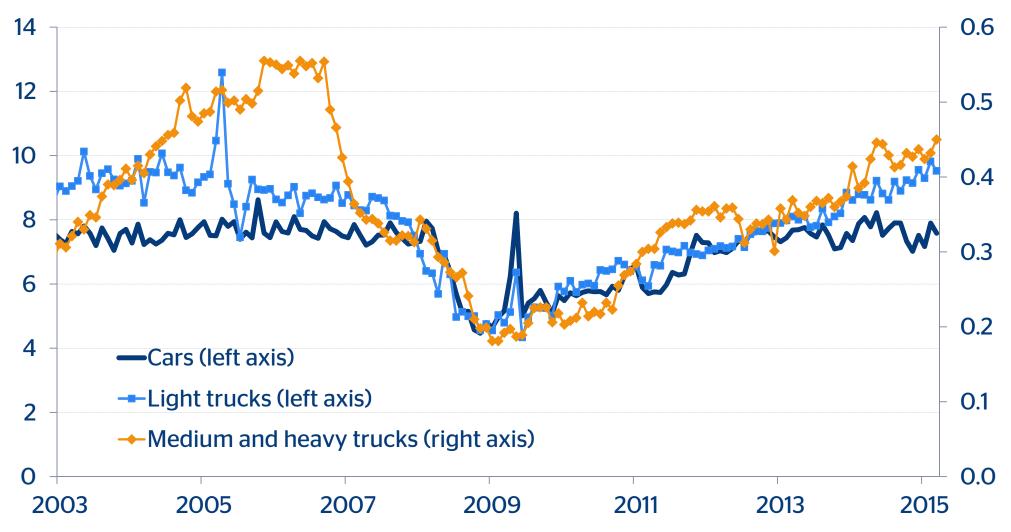


#### U.S. Total light weight vehicle sales (SAAR\*, million units)





#### U.S. Total vehicle sales (SAAR, million units)





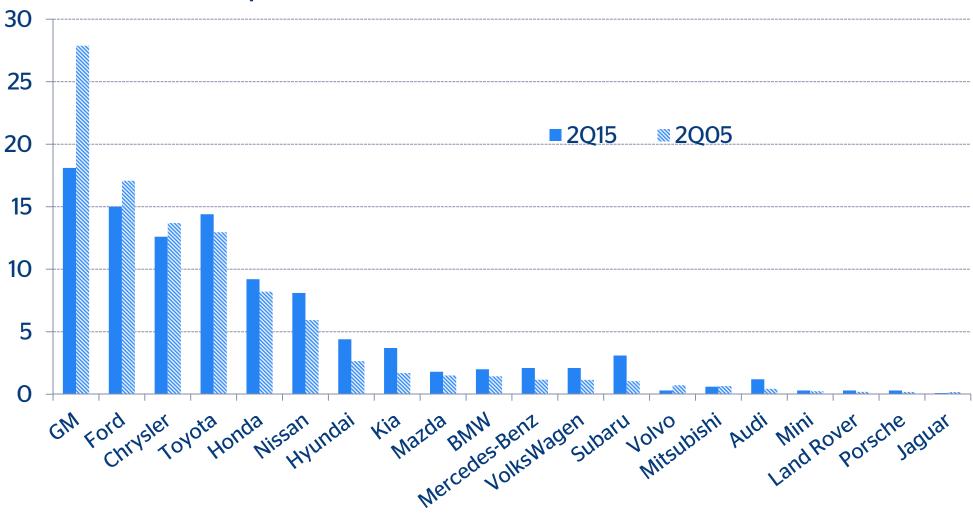
#### U.S. Vehicle days to turn (industry average)



Source: Bloomberg



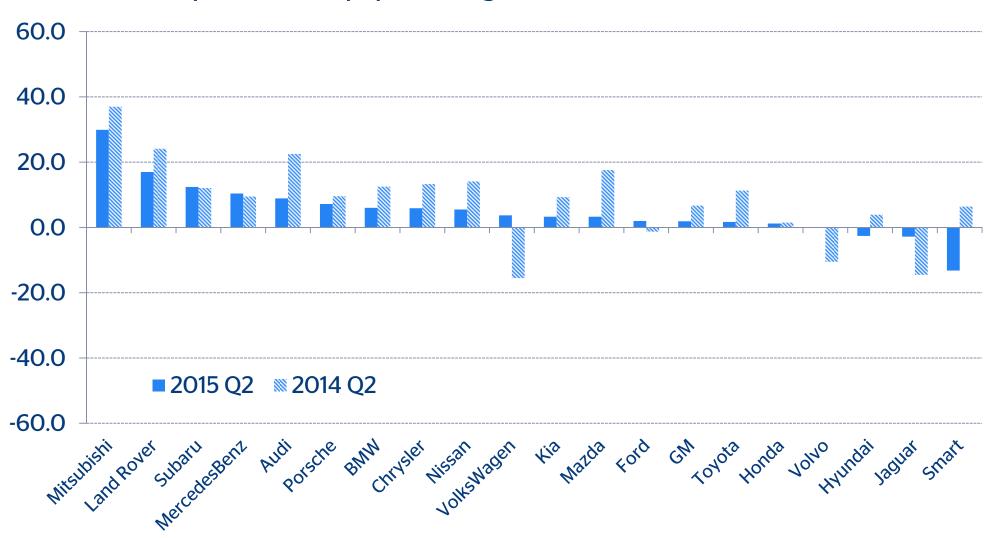
#### **U.S. Market share by brand (%)**



Source: Bloomberg



#### U.S. Quarterly unit sales (yoy % change)

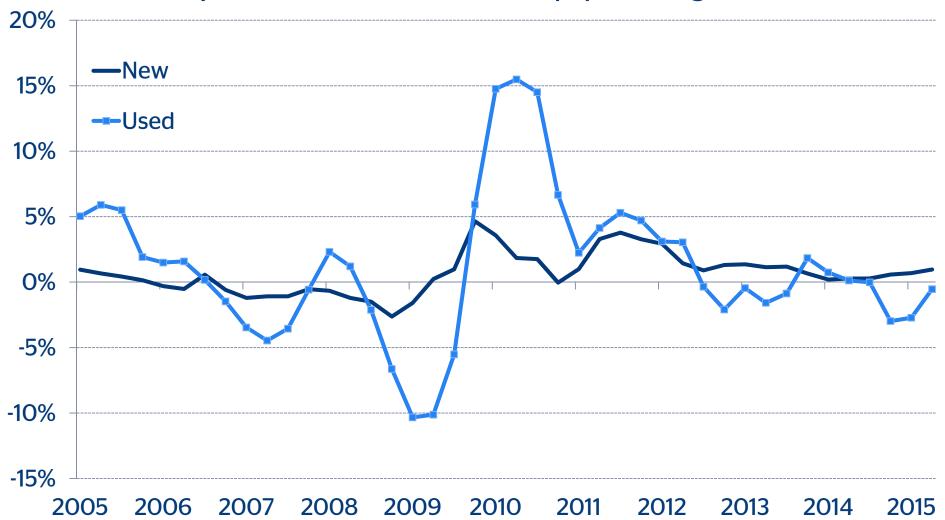


Source: Bloomberg



## Prices

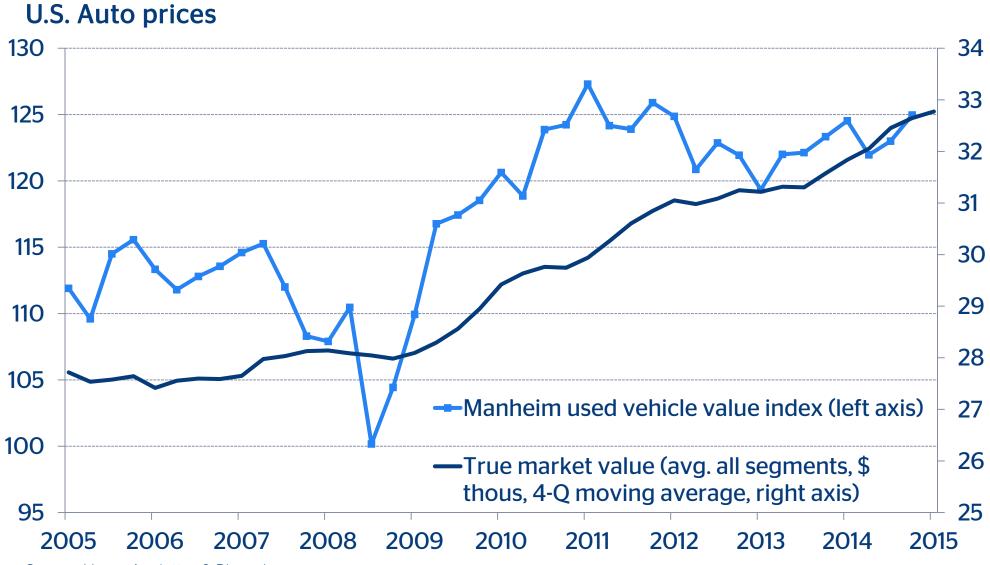
U.S. Consumer price index: cars and trucks (yoy % change)





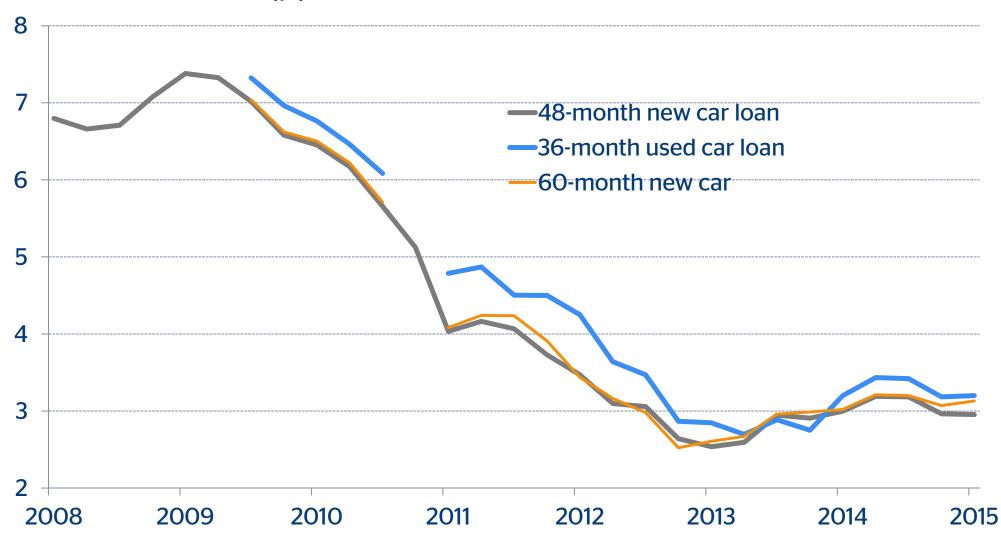
### Prices





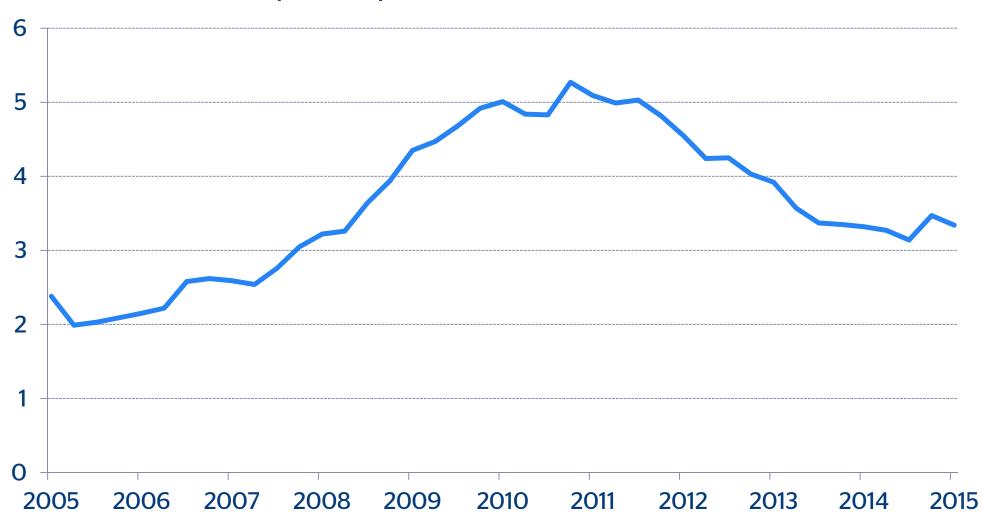


#### U.S. Car loan rates (%)



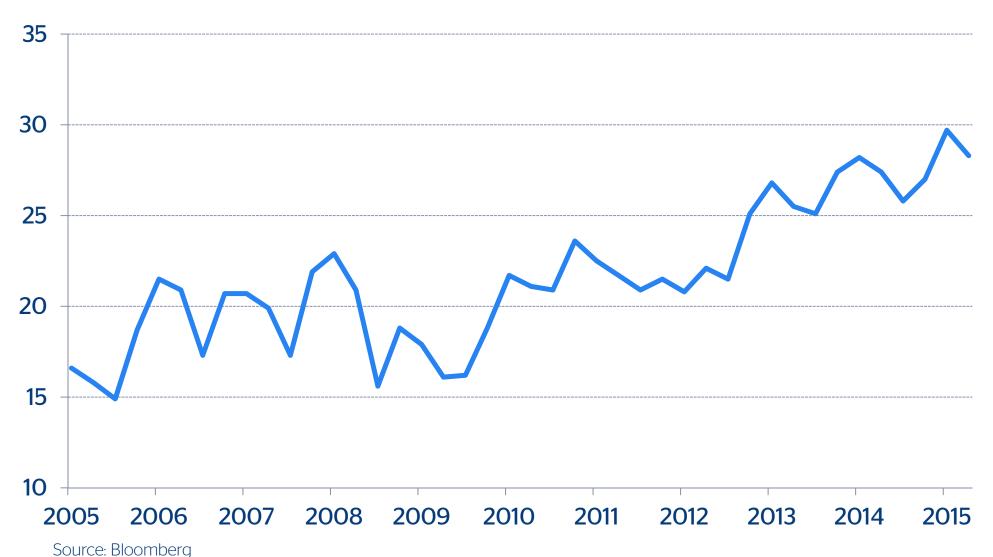


U.S. Auto loan 90+ days delinquent (% of balance)





#### U.S. Leasing penetration rate, %



13



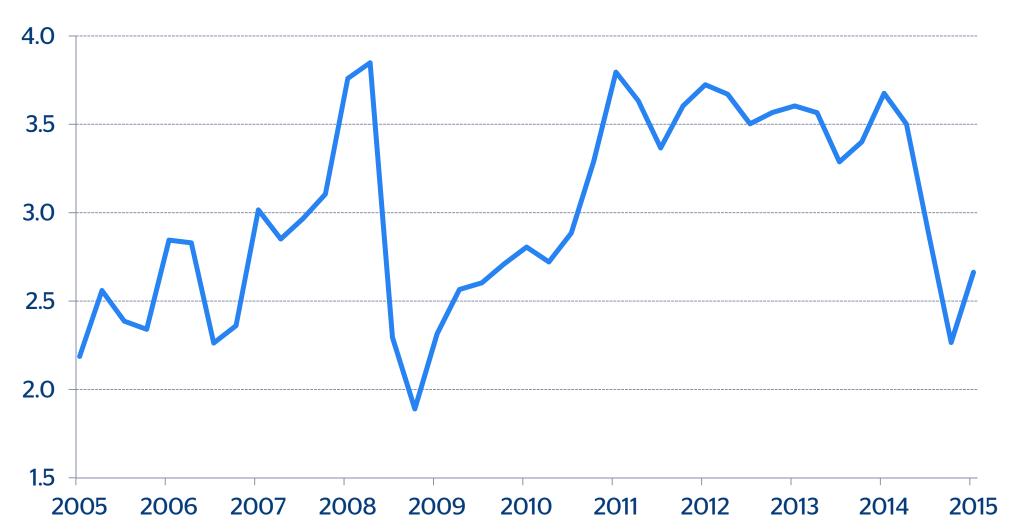
U.S. Newly originated installment auto loans (\$ billion, eop, 4-qtr moving average)





# Gasoline

U.S. Spot price (\$/gallon)







#### **U.S.** Consumer sentiment index



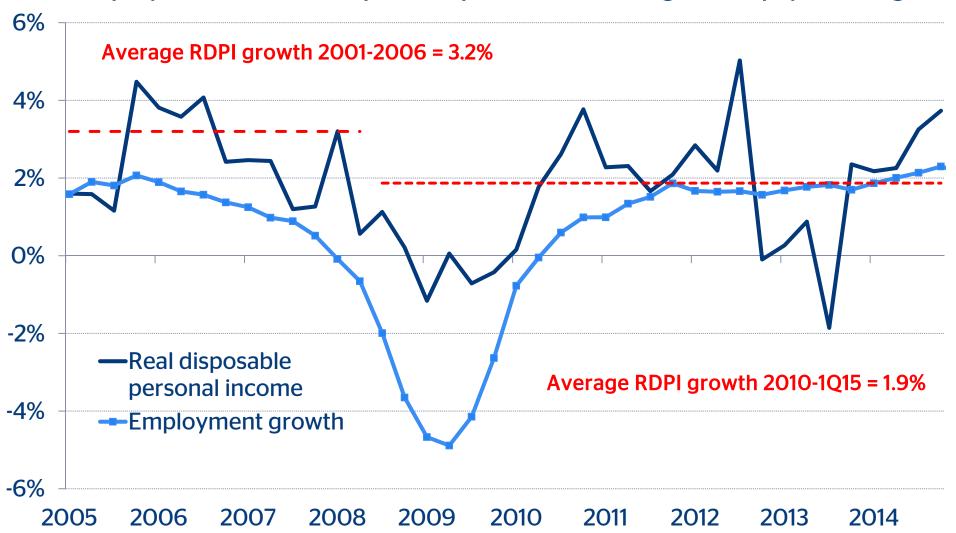


#### U.S. Plans to buy a car within 6 months, % of respondents





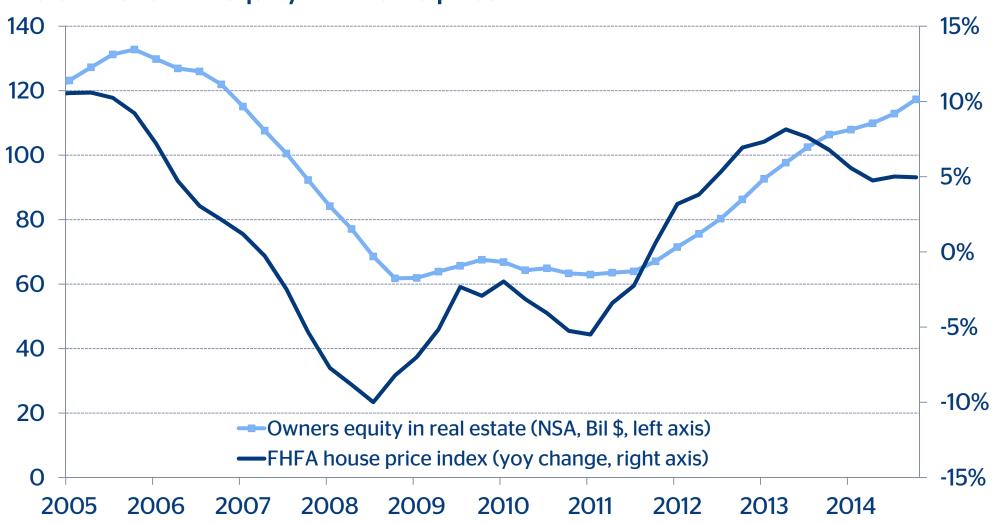
U.S. Employment and real disposable personal income growth (yoy % change)





# Household equity

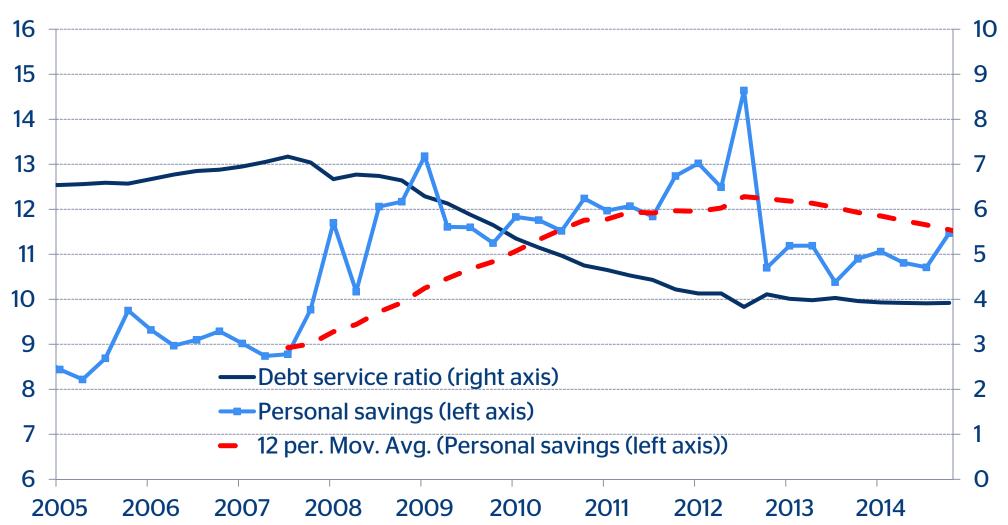
#### U.S. Household equity and home prices





# Savings and deleverage

#### U.S. Debt-to-income ratio and savings rate



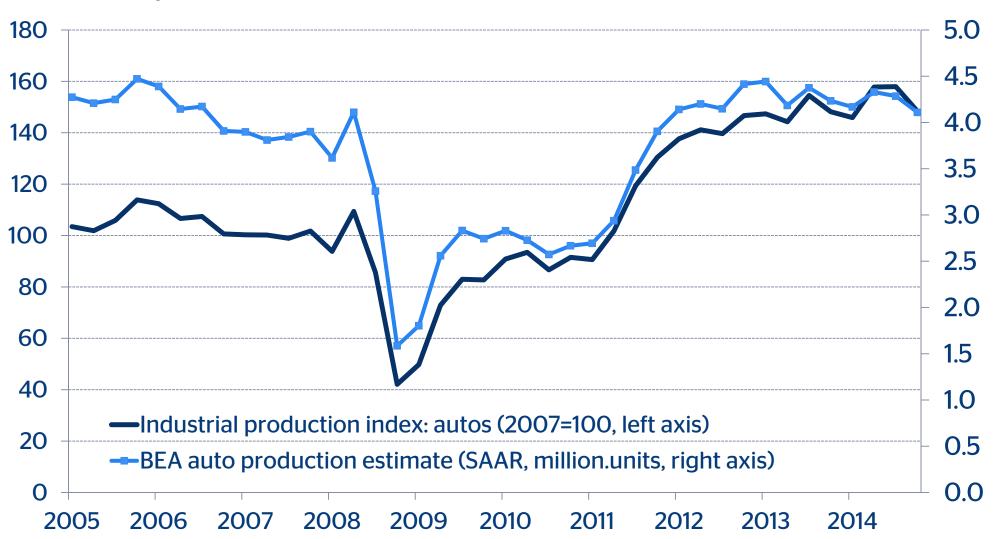


# Production



### Production

#### **U.S. Auto production**





# Structural



## **Fundamentals**

U.S. Mean age of passenger cars in operation Years



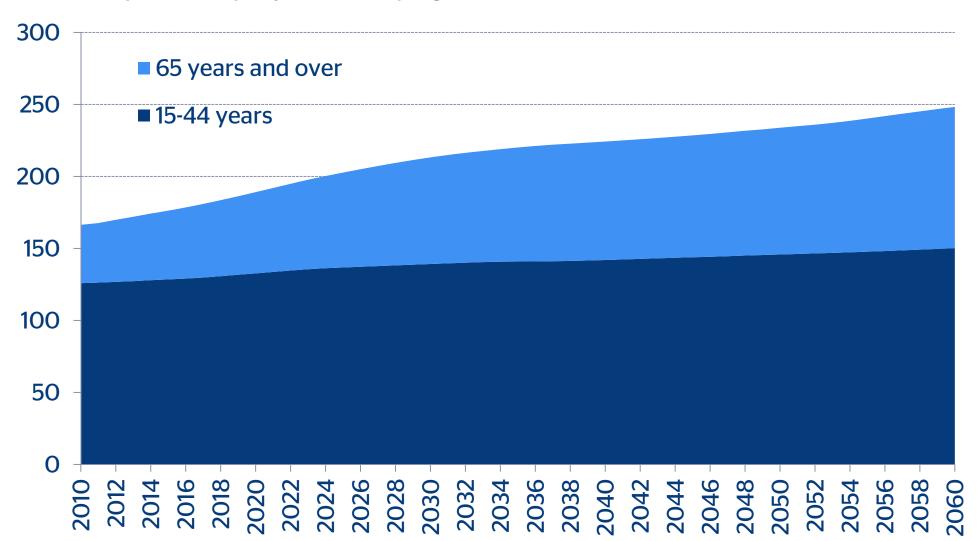
U.S. Vehicle miles of travel Trillions





# Demographics

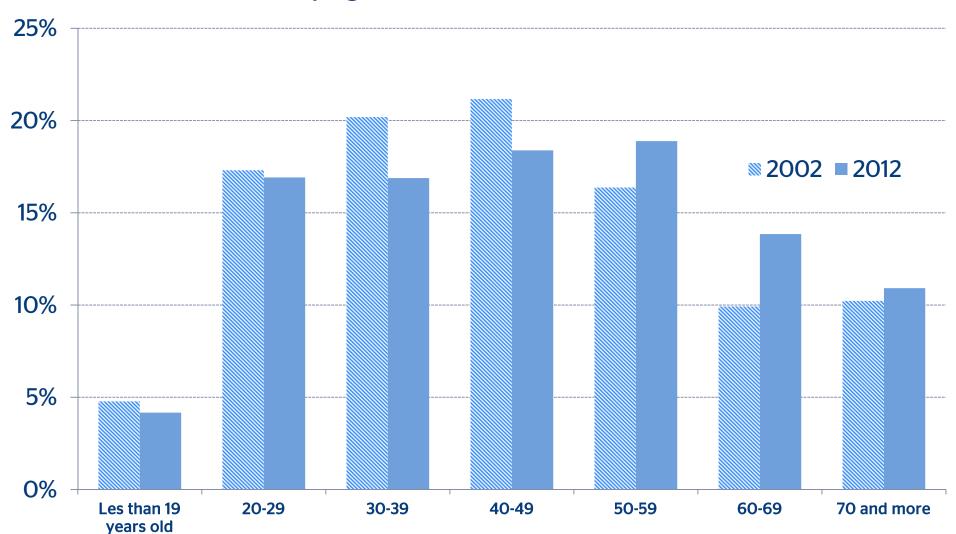
#### U.S. Population projections by age (millions)





# Demographics

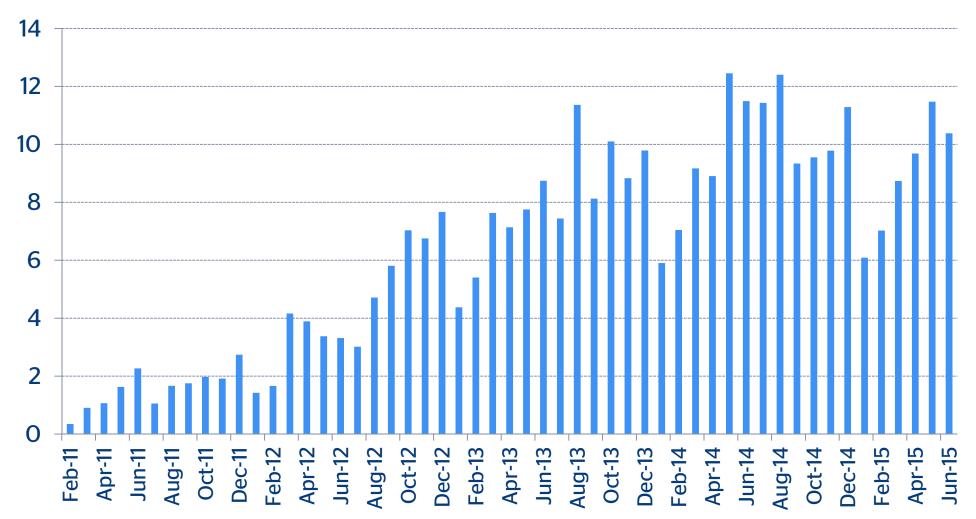
#### U.S. Licensed drivers by age





## Alternative vehicles

U.S. New plug-in vehicle sales (thousands)





# Forecasts



# Forecasts

Average	2012	2013	2014	2015	2016
Auto sales (millions units)	14.5	15.6	16.5	17.1	17.5
GDP growth (% change)	2.3	2.2	2.4	2.5	2.8
Unemployment rate (% avg.)	8.1	7.4	6.2	5.3	4.9
Fed funds (%, eop)	0.25	0.25	0.25	0.50	1.50
3-year Treasuries (%, eop.)	0.35	0.69	1.06	1.32	1.96

Source: BBVA Research



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