# Understanding the Current Recession



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#### Overview

- Economic Picture: Explaining the current recession
- ☐ Historical Perspective: How does the current recession compare to past recessions?
- Policy Responses: What steps has the government taken to mitigate the current crisis?
- Looking Forward: Are there any signs of a recovery?

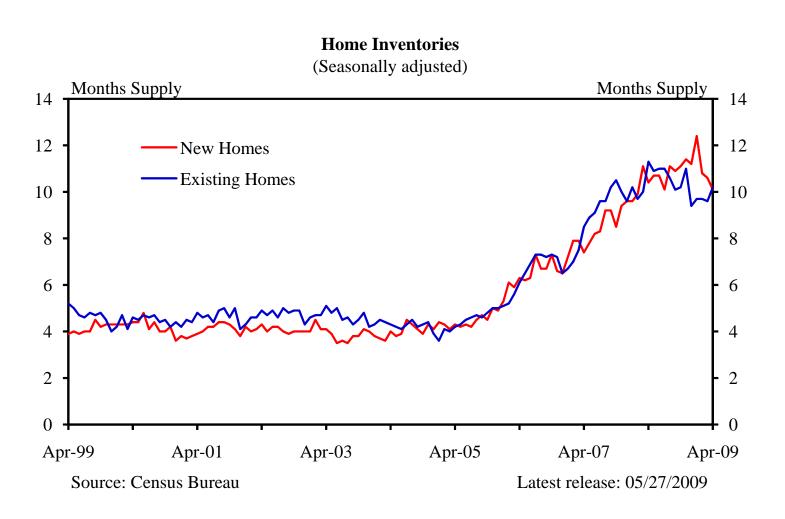
### Housing and Construction Activity



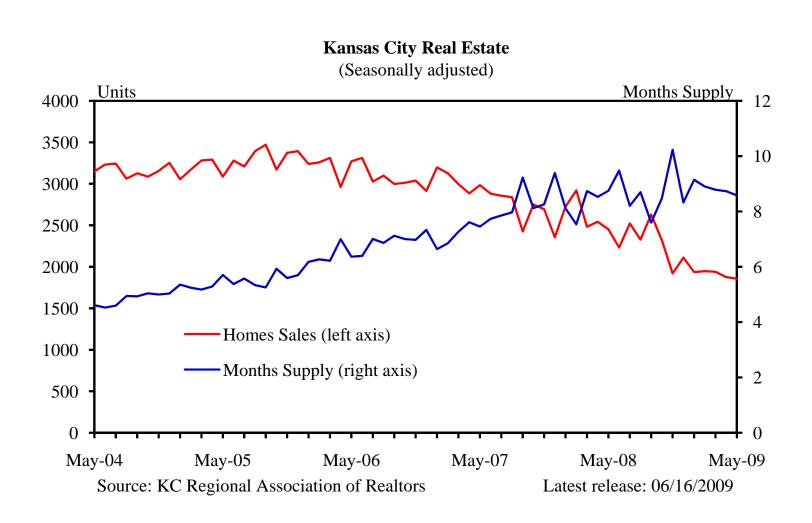
## Home sales have fallen sharply since late 2005.

#### **Monthly Home Sales** (Seasonally adjusted annual rate) Thousands Thousands 1600 8000 1400 7000 1200 6000 1000 5000 800 4000 600 3000 New Homes (left axis) 400 2000 Existing (right axis) 200 1000 Apr-99 Apr-01 Apr-03 Apr-05 Apr-07 Apr-09 Source: Census Bureau and NAR Latest release: 05/27/2009

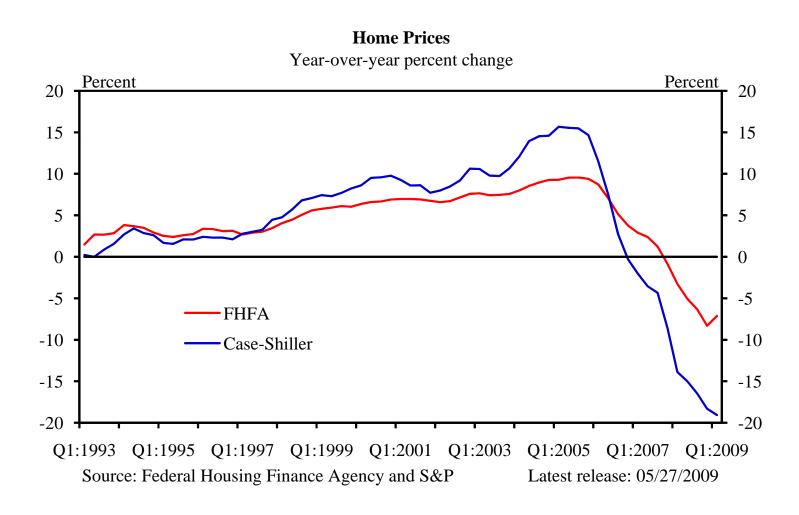
### Home inventory levels remain elevated.



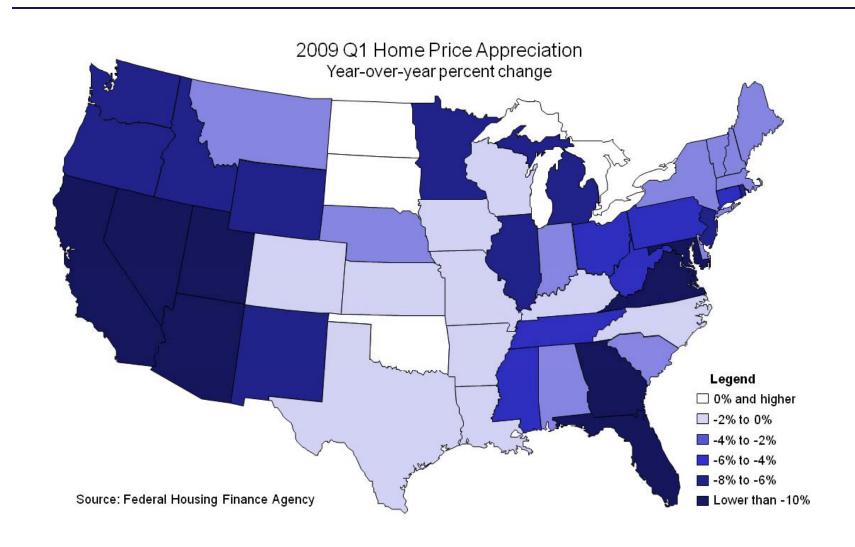
## Homes sales are down, and the months supply of homes is up in Kansas City.



### Home prices are well below year-ago levels.

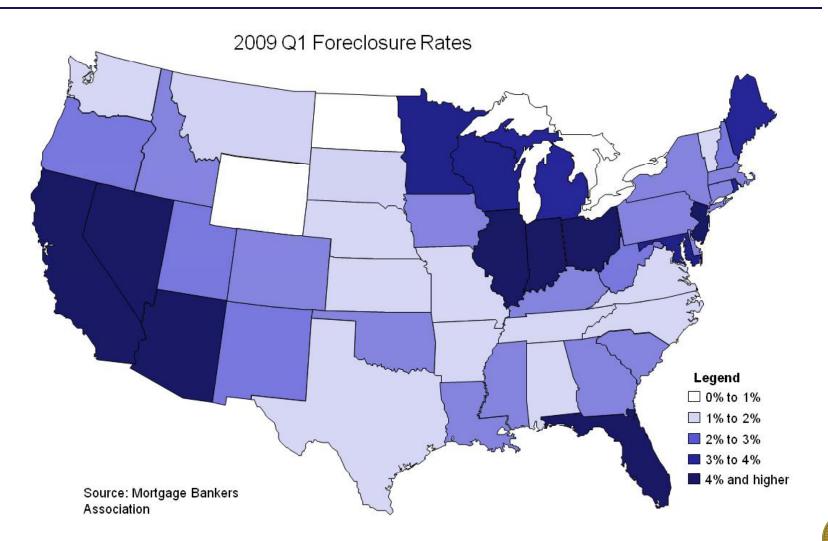


## Home price appreciation has varied widely across the nation.





## Foreclosure rates are up across the nation, but regional variation persists.



## Residential construction has slowed dramatically.

#### **Single Family Housing Permits**

(Seasonally adjusted) Index: Apr-04=100 Index 140 140 120 120 100 100 80 80 60 60 U.S. Single Family Housing Permits 40 40 KC Single Family Housing Permits 20 20 0 Apr-05 Apr-07 Apr-08 Apr-09 Apr-04 Apr-06 Source: Census Bureau Latest release: 05/27/2009

### The slowdown in commercial construction followed the decline in residential construction.

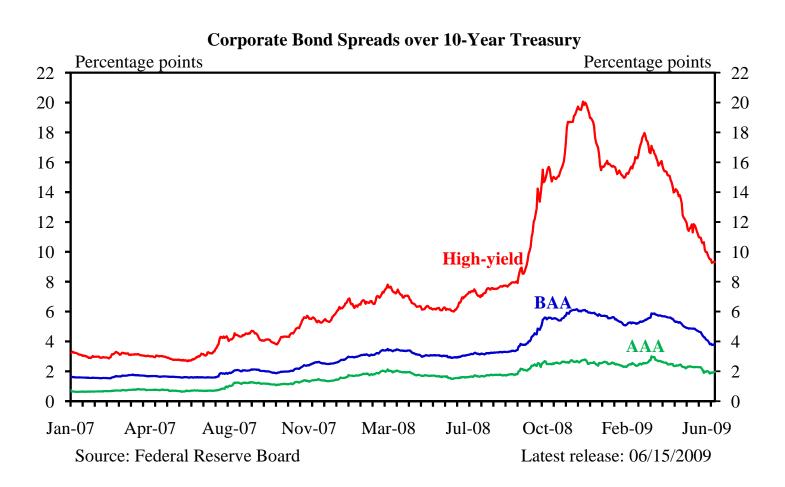
#### Value of U.S. Construction Contracts

(Seasonally adjusted) Index: May-04=100 Index 180 180 160 160 140 140 120 120 100 100 80 80 60 60 Residential ——Commercial 40 40 20 20 0 May-06 May-07 May-08 May-04 May-05 May-09 Source: F.W. Dodge Latest release: 06/15/2009

### Financial Markets

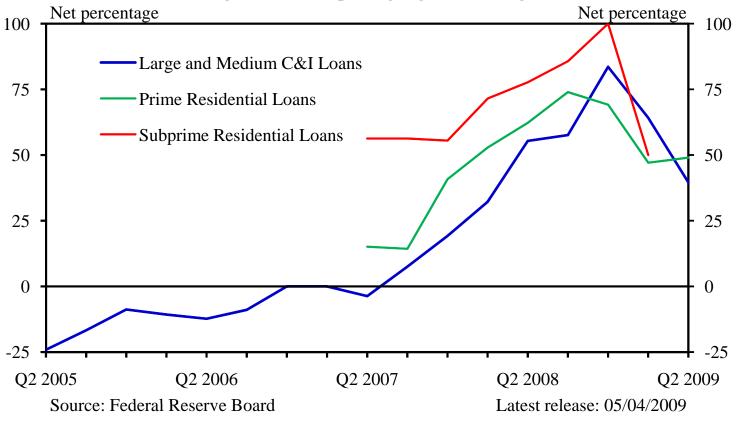


## Credit conditions are improving but remain stressed.

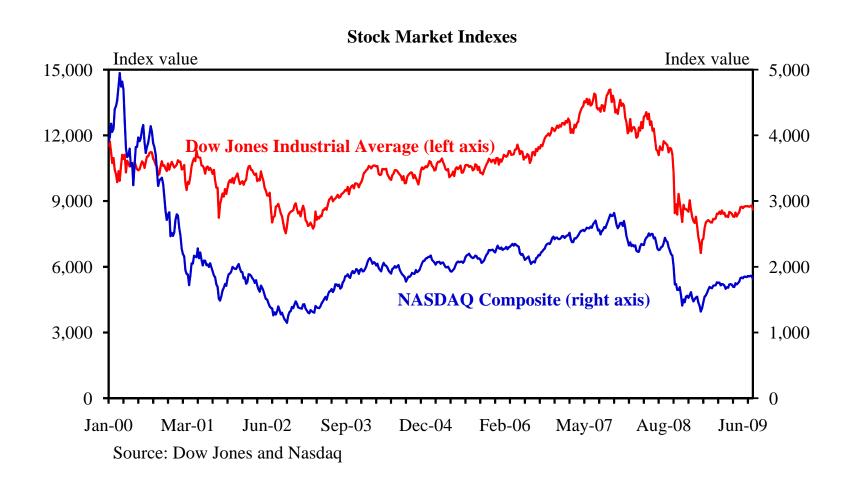


### Banks have tightened lending standards.





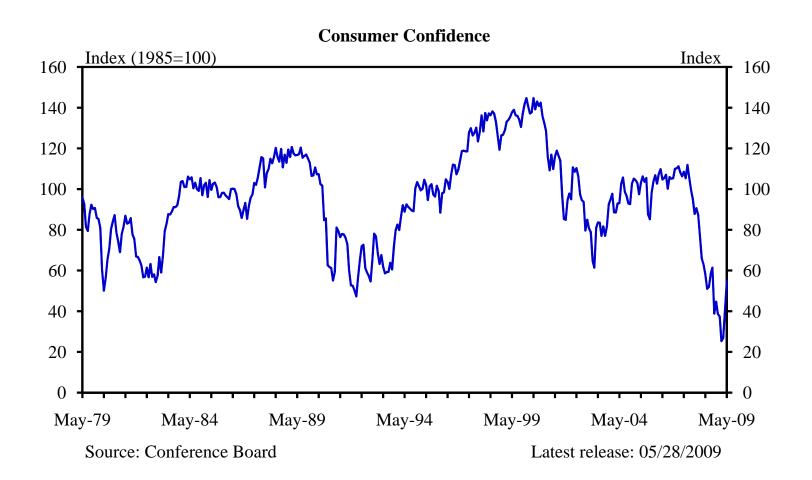
## Stock prices have fallen substantially but have rebounded over the past three months.



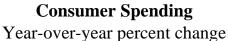
### Consumers



## Consumer confidence has plummeted since the recession began but has increased recently.

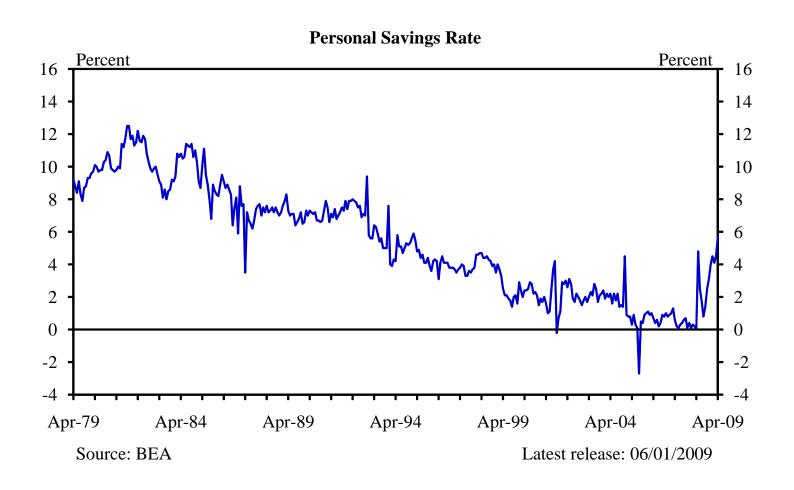


### Consumers are spending less. . .





### And saving more.



### Manufacturing



### The manufacturing sector continues to contract but at a slower pace.

#### **Manufacturing Production (Month-Over-Month)**

Seasonally adjusted Index Index 65 65 60 60 55 55 50 50 45 45 40 40 35 35 30 30 May-04 May-05 May-06 May-07 May-08 May-09

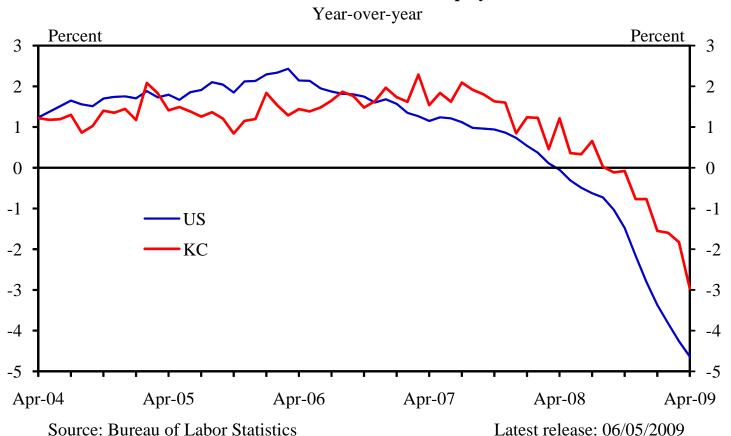
Latest release: 06/01/2009 Source: Institute for Supply Management

### Labor Market



## U.S. employment has fallen over 4% in the past year.

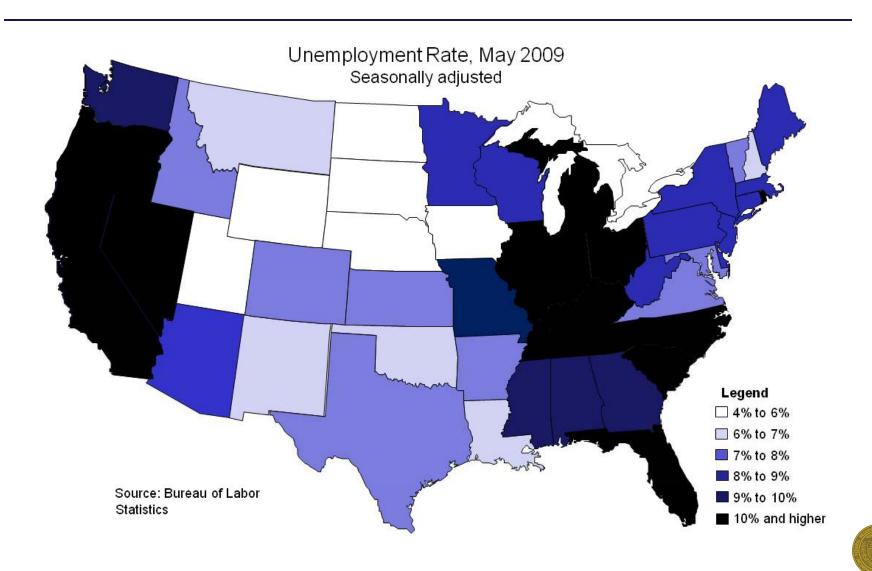
#### **Growth in Private Nonfarm Employment**



## Unemployment rates continue to increase sharply.

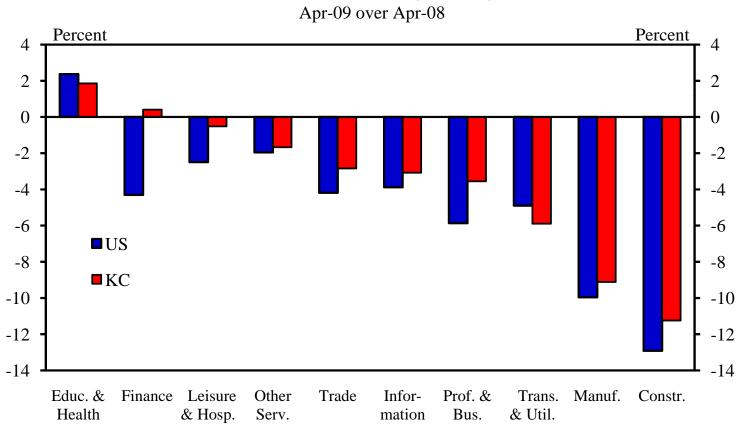
#### **Unemployment Rate** Seasonally adjusted Percent Percent **U-6 Unemployment rate** May-73 May-77 May-81 May-85 May-89 May-93 May-97 May-01 May-05 May-09 Source: Bureau of Labor Statistics Latest release: 06/05/2009

## The middle of the country is faring better than the coasts.



## The education and health industries are the only industries experiencing job growth.

#### **Private Job Growth by Industry**

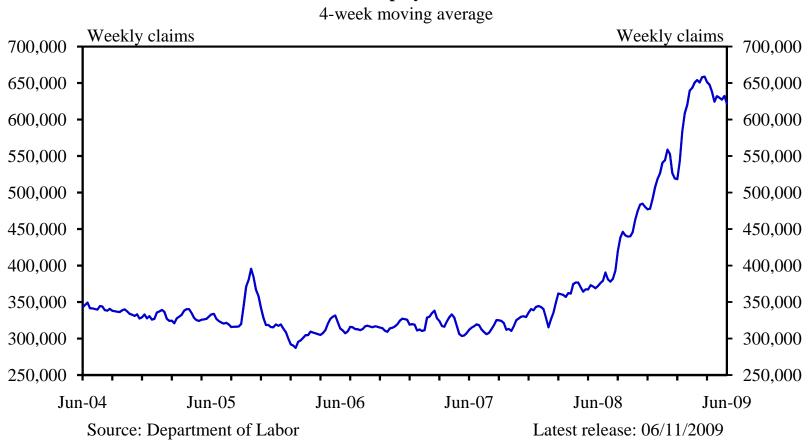


Source: Bureau of Labor Statistics Latest release: 06/05/2009



### Initial unemployment claims remain elevated.

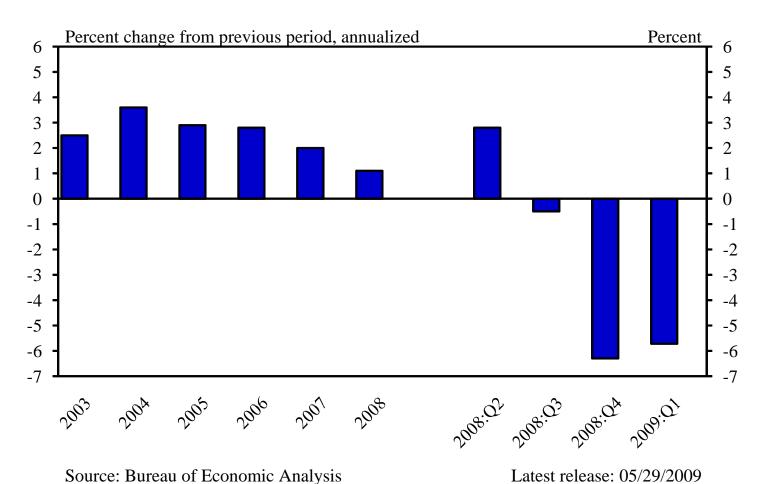
#### **Initial Unemployment Claims**



### U.S. Economic Activity

## Real GDP has declined in three consecutive quarters.

#### **Real Gross Domestic Product**



## Putting This Recession In Perspective

## Real GDP has fallen more than in the previous two recessions.

#### **Largest Cumulative Decline in Real GDP During Past Recessions** Percent Percent 5 5 0 -0.05 -0.2 -1.3 -1.8 -2.9 -3.1 -2.3 -3.4 -3.7 -5 -5 -10 -10 -15 -15 -20 -20 -25 -25 -26.5 -30 -30 1929 1937 1953 1957 1960 1969 1973 1980 1981 1990 2001 2007 1948

Source: Federal Reserve Bank of Minneapolis, Bureau of Economic Analysis
Note: 1929 and 1937 declines are based on annual data. Data for the 1945 recession is not available because that recession lasted less than 1 year.



## Unemployment rates are expected to near rates reached in the 1981 recession.

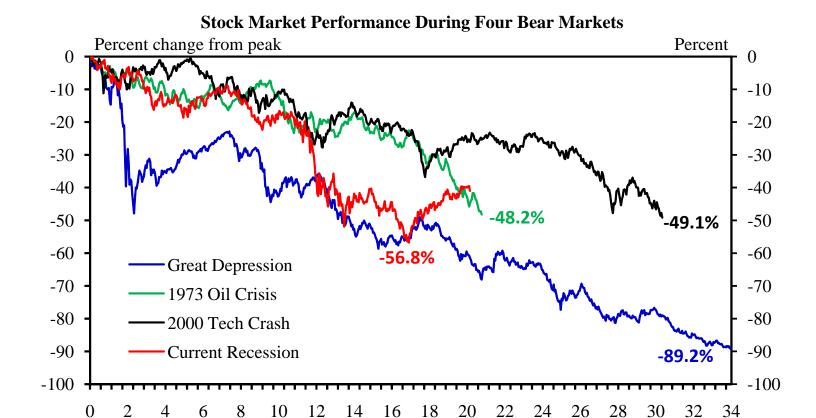
#### **Peak Unemployment Rate During Past Recessions** Percent Percent 30 30 24.9 25 25 19.0 20 20 15 15 10.8 10 10 8.6 7.8 7.9 6.8 6.9 5.9 5.5 5 5 1.9 1937 1948 1953 1957 1960 1969 1973 1980 1981 1990 2001 2007

Source: Bureau of Labor Statistics

Note: 1929, 1937 and 1945 unemployment rates are based on annual data.



## Through 17 months, the decline in stock prices was similar to the Great Depression.



Sources: Dow Jones (1929-1932) and S&P (1973-1974, 2000-2002, 2007-now) Similar to chart from: http://dshort.com/charts/bears/four-bears-large.gif

Months from peak



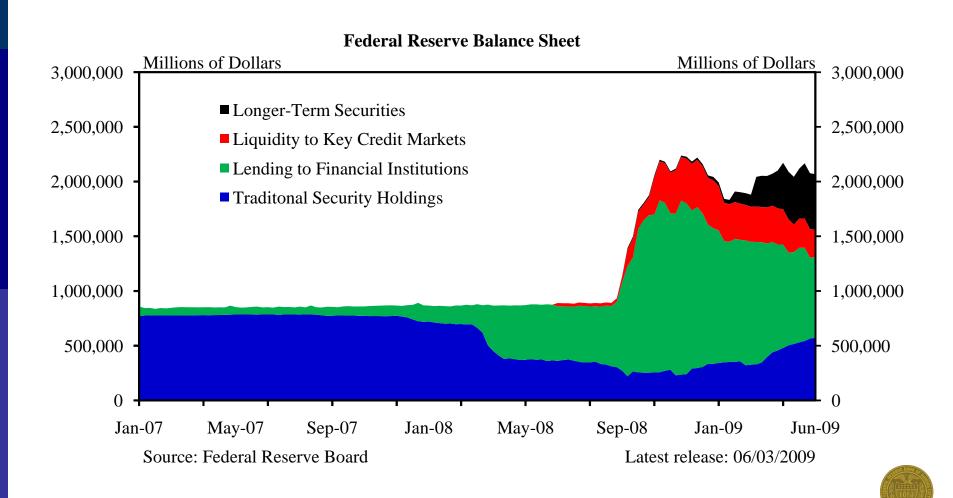
### Policy Responses



### The U.S. Policy Response

- ☐ Federal Reserve
  - Lowered the Fed Funds rate
  - Purchased long-term securities
  - Implemented numerous liquidity facilities
- ■U.S. Treasury and Congress
  - TARP
  - Fiscal stimulus
  - Foreclosure prevention policies

### Programs implemented by the Federal Reserve have expanded its balance sheet.

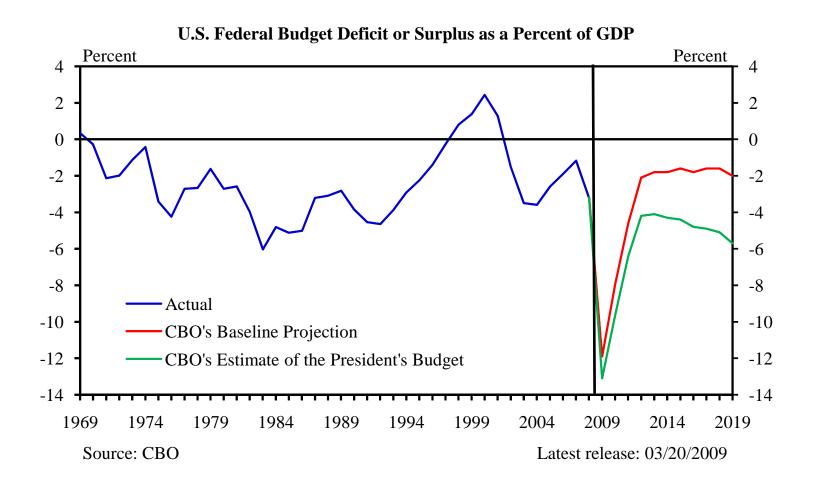


### Despite expansionary monetary policy, inflation remains contained.

#### **PCE and Core PCE Inflation**

Seasonally adjusted Percent Percent change year ago 13 13 12 12 PCE Inflation 11 11 10 10 Core PCE Inflation 9 8 6 5 3 2 Apr-73 Apr-77 Apr-81 Apr-85 Apr-89 Apr-93 Apr-97 Apr-01 Apr-05 Apr-09 Source: Bureau of Economic Analysis Latest release: 06/01/2009

## Programs enacted by the federal government have increased the budget deficit.



### Any Signs Of A Recovery?



### Some preliminary signs of recovery

- Housing: Monthly home sales and residential construction activity seem to have leveled off, and the pace of home price deterioration has slowed.
- Financial markets: Credit conditions have improved slightly in some markets. Stock prices have increased more than 30% in the last three months.
- ☐ Consumer confidence and spending: Surveys show that consumer confidence increased sharply in April and May.
- Manufacturing: The pace of contraction in the manufacturing industry has slowed.
- Labor markets: Initial unemployment insurance claims (4-week average) have decreased more than 30,000 since peaking in early April.

#### Conclusions

- ☐ The U.S. economy is in a severe recession.
  - Housing and construction activity remains extremely slow.
  - Financial markets remain stressed.
  - Labor market conditions continue to deteriorate.
- The current recession is worse than any U.S. recession since the early 1980s but does not compare to levels seen during the Great Depression.
- The economy is showing some initial signs of recovery, but the return to potential growth is likely to be slow.

### Questions?

