Guide to the Markets
Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQUITIES</td>
<td>4</td>
</tr>
<tr>
<td>ECONOMY</td>
<td>16</td>
</tr>
<tr>
<td>FIXED INCOME</td>
<td>31</td>
</tr>
<tr>
<td>INTERNATIONAL</td>
<td>40</td>
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<tr>
<td>ASSET CLASS</td>
<td>49</td>
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</table>

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Past performance is no guarantee of comparable future results.
Equities

4. Returns by Style
5. Returns by Sector
6. U.S. Equity Indexes
7. S&P 500 Index at Inflection Points
8. Market Leadership by Quality Rating
9. Equity Scenarios: Bull, Bear and In-between
10. Investment Style Valuations
11. Stock Valuation Measures: S&P 500 Index
12. Earnings Estimates and Valuation Drivers
13. Deploying Corporate Cash
14. Sources of Profitability
15. Equity Correlations and Volatility

Economy

16. Economic Expansions and Recessions
17. Economic Growth and the Composition of GDP
18. Cyclical Sectors
19. Consumer Finances
20. Federal Finances
21. The Aftermath of the Housing Bubble
22. Employment
23. Unemployment Rates Across the U.S.
24. Job Growth, Productivity and Labor Force
25. Small Business
26. Corporate Profits
27. Consumer Price Index
28. Returns in Different Inflation Environments – 40 years
29. Oil and the Economy
30. Consumer Confidence

Fixed Income

31. Fixed Income Sector Returns
32. Fixed Income Yields and Returns
33. Interest Rates and Inflation

International

34. The Fed’s Balance Sheet and the Money Supply
35. Credit Conditions
36. Foreign Ownership of U.S. Treasuries
37. High Yield Bonds
38. Municipal Finance
39. Emerging Market Debt
40. International Returns: Local Currency vs. U.S. Dollars
41. The Economic Growth Differential
42. Global Economic Growth
43. Global Monetary Policy
44. Global Equity Valuations – Developed Markets
45. Global Equity Valuations – Emerging Markets
46. International Economic and Demographic Data
47. Sovereign Debt Vulnerability
48. Current Account Deficit and U.S. Dollar

Asset Class

49. Asset Class Returns
50. Correlations: 10-Years
51. Mutual Fund Flows
52. Dividend Income: Domestic and Global
53. Global Commodities
54. Gold
55. Marginal and Average Tax Rates
56. Historical Returns by Holding Period
57. Diversification and the Average Investor
58. Market Comebacks: Bear Markets and Intra-year Declines
59. Alternative Investment Returns
60. Cash Accounts
61. Corporate DB Plans and Endowments
62. The Dow Jones Industrial Average Since 1900
Returns by Style

Charts reflect index levels (price change only). All returns and annotations reflect total return, including dividends.

<table>
<thead>
<tr>
<th>2Q 2011</th>
<th>Value</th>
<th>Blend</th>
<th>Growth</th>
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<td>-0.5%</td>
<td>0.1%</td>
<td>0.8%</td>
</tr>
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<td>Mid</td>
<td>-0.7%</td>
<td>0.4%</td>
<td>1.6%</td>
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<td>-1.6%</td>
<td>-0.6%</td>
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<th>Value</th>
<th>Blend</th>
<th>Growth</th>
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<tr>
<td>Large</td>
<td>5.9%</td>
<td>6.0%</td>
<td>6.8%</td>
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<tr>
<td>Mid</td>
<td>6.7%</td>
<td>8.1%</td>
<td>9.6%</td>
</tr>
<tr>
<td>Small</td>
<td>3.8%</td>
<td>6.2%</td>
<td>8.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Since Market Peak (October 2007)</th>
<th>Value</th>
<th>Blend</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>-15.1</td>
<td>-8.4%</td>
<td>1.8%</td>
</tr>
<tr>
<td>Mid</td>
<td>0.4%</td>
<td>4.3%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Small</td>
<td>-1.7%</td>
<td>3.1%</td>
<td>7.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Since Market Low (March 2009)</th>
<th>Value</th>
<th>Blend</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>111.6</td>
<td>104.7</td>
<td>107.6</td>
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<tr>
<td>Mid</td>
<td>156.4</td>
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<td>148.3</td>
</tr>
<tr>
<td>Small</td>
<td>143.0</td>
<td>148.5</td>
<td>153.7</td>
</tr>
</tbody>
</table>

Source: Russell Investment Group, Standard & Poor’s, FactSet, J.P. Morgan Asset Management.

All calculations are cumulative total return, including dividends reinvested for the stated period. Since Market Peak represents period 10/9/07 – 6/30/11, illustrating market returns since the most recent S&P 500 Index high on 10/9/07. Since Market Low represents period 3/9/09 – 6/30/11, illustrating market returns since the S&P 500 Index low on 3/9/09. Returns are cumulative returns, not annualized. For all time periods, total return is based on Russell-style indexes with the exception of the large blend category, which is reflected by the S&P 500 Index. Past performance is not indicative of future returns.

Data are as of 6/30/11.
### Equities

#### Returns by Sector

<table>
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<tr>
<th></th>
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<tbody>
<tr>
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<td>15.1%</td>
<td>17.8%</td>
<td>11.7%</td>
<td>11.3%</td>
<td>12.7%</td>
<td>10.7%</td>
<td>10.6%</td>
<td>3.1%</td>
<td>3.4%</td>
<td>3.7%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Russell Growth Weight</td>
<td>4.0%</td>
<td>27.0%</td>
<td>10.9%</td>
<td>13.5%</td>
<td>11.6%</td>
<td>14.0%</td>
<td>11.8%</td>
<td>1.2%</td>
<td>0.1%</td>
<td>6.0%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Russell Value Weight</td>
<td>26.7%</td>
<td>8.6%</td>
<td>12.3%</td>
<td>9.4%</td>
<td>12.4%</td>
<td>9.0%</td>
<td>7.2%</td>
<td>4.7%</td>
<td>6.8%</td>
<td>2.9%</td>
<td>100.0%</td>
</tr>
<tr>
<td>2Q 2011</td>
<td>-5.9</td>
<td>-1.4</td>
<td>7.9</td>
<td>-0.7</td>
<td>-4.6</td>
<td>3.4</td>
<td>5.3</td>
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<td>0.1</td>
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<tr>
<td>2011 YTD</td>
<td>-3.1</td>
<td>2.1</td>
<td>13.9</td>
<td>8.0</td>
<td>11.4</td>
<td>8.3</td>
<td>7.9</td>
<td>7.1</td>
<td>9.1</td>
<td>3.6</td>
<td>6.0</td>
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<tr>
<td>Since Market Peak (October 2007)</td>
<td>-53.3</td>
<td>0.5</td>
<td>5.7</td>
<td>-7.1</td>
<td>3.1</td>
<td>13.3</td>
<td>24.0</td>
<td>-9.2</td>
<td>-5.3</td>
<td>-0.7</td>
<td>-8.4</td>
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<tr>
<td>Since Market Low (March 2009)</td>
<td>154.8</td>
<td>110.5</td>
<td>70.5</td>
<td>155.4</td>
<td>88.8</td>
<td>162.2</td>
<td>73.9</td>
<td>73.5</td>
<td>65.7</td>
<td>136.4</td>
<td>104.7</td>
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<tr>
<td>Forward P/E Ratio</td>
<td>10.7x</td>
<td>12.1x</td>
<td>12.0x</td>
<td>13.9x</td>
<td>10.9x</td>
<td>14.7x</td>
<td>14.3x</td>
<td>16.3x</td>
<td>13.5x</td>
<td>12.5x</td>
<td>12.4x</td>
</tr>
<tr>
<td>15-yr avg.</td>
<td>13.0x</td>
<td>24.1x</td>
<td>19.3x</td>
<td>17.3x</td>
<td>15.4x</td>
<td>18.7x</td>
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<td>17.4x</td>
<td>13.5x</td>
<td>16.3x</td>
<td>17.1x</td>
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<td>Trailing P/E Ratio</td>
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<td>14.9x</td>
<td>16.8x</td>
<td>17.0x</td>
<td>14.4x</td>
<td>17.5x</td>
<td>15.6x</td>
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<td>14.2x</td>
<td>16.3x</td>
<td>15.2x</td>
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<tr>
<td>20-yr avg.</td>
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<td>18.5x</td>
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<td>19.8x</td>
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<tr>
<td>Dividend Yield</td>
<td>1.1%</td>
<td>1.0%</td>
<td>2.1%</td>
<td>2.1%</td>
<td>1.8%</td>
<td>1.5%</td>
<td>2.9%</td>
<td>5.0%</td>
<td>4.3%</td>
<td>1.8%</td>
<td>1.9%</td>
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<tr>
<td>20-yr avg.</td>
<td>2.2%</td>
<td>0.6%</td>
<td>1.4%</td>
<td>1.8%</td>
<td>2.0%</td>
<td>1.0%</td>
<td>2.0%</td>
<td>3.7%</td>
<td>4.5%</td>
<td>2.2%</td>
<td>1.7%</td>
</tr>
</tbody>
</table>

Source: Standard & Poor’s, Russell Investment Group, FactSet, J.P. Morgan Asset Management.

All calculations are cumulative total return, including dividends for the stated period. Since Market Peak represents period 10/9/07 – 6/30/11, illustrating market returns since the S&P 500 Index high on 10/9/07. Since Market Low represents period 3/9/09 – 6/30/11, illustrating market returns since the S&P 500 Index low on 3/9/09. Returns are cumulative, not annualized.

Forward Price to Earnings Ratio is a bottom-up calculation based on the most recent S&P 500 Index price, divided by consensus estimates for earnings in the next twelve months (NTM), and is provided by FactSet Market Aggregates. Trailing P/E ratios are bottom-up values defined as month-end price divided by the last twelve months of available reported earnings. There is an inherent lag in the reporting of these data by companies to S&P. Historical data can change as new information becomes available. All P/E ratios exclude negatives. Note that P/E ratios for the S&P 500 may differ from estimates elsewhere in this book due to the use of a bottom-up calculation of constituent earnings (as described) rather than a top-down calculation. This methodology is used to allow proper comparison of sector level data to broad index level data. Dividend yields are bottom-up values defined as the annualized value of the most recent cash dividend as a percent of month-end price. For all time periods, total return is based on S&P sectors and provided by FactSet. Russell weights are based on each sector’s respective representation in the Russell 1000 Growth Index and the Russell 1000 Value Index.

Past performance is not indicative of future returns. Technology is a rapidly changing field and stocks of these companies, especially of smaller or unseasoned companies, may be more volatile than the stock market in general.

Data are as of 6/30/11.
### U.S. Equity Indexes

**Russell Indexes**

<table>
<thead>
<tr>
<th>Index</th>
<th>Market Cap</th>
<th>Weight</th>
<th>Size (Lipper*)</th>
<th>Valuation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wtd Avg</td>
<td>Total</td>
<td>Top 10</td>
<td>Bottom 100</td>
</tr>
<tr>
<td>S&amp;P 500</td>
<td>90.0 bn</td>
<td>12,021 bn</td>
<td>18.5%</td>
<td>3.3%</td>
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<tr>
<td>Russell 1000</td>
<td>78.9</td>
<td>13,792</td>
<td>16.1</td>
<td>1.0</td>
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<tr>
<td>Dow Jones</td>
<td>134.9</td>
<td>3,757</td>
<td>57.2</td>
<td>42.8</td>
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<tr>
<td>Russell 1000 Value</td>
<td>73.8</td>
<td>6,964</td>
<td>23.0</td>
<td>0.9</td>
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<td>Russell 1000 Growth</td>
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<td>S&amp;P Mid Cap 400</td>
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<td>10.7</td>
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<td>Russell Mid Cap</td>
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<td>4,259</td>
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<td>3.3</td>
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<td>Russell 2000</td>
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<td>1,254</td>
<td>2.2</td>
<td>0.6</td>
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<td>Russell 3000</td>
<td>72.5</td>
<td>15,046</td>
<td>14.8</td>
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**S&P Indexes**

<table>
<thead>
<tr>
<th>Index</th>
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<tbody>
<tr>
<td></td>
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<td>S&amp;P 500</td>
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<tr>
<td>S&amp;P Mid Cap 400</td>
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<tr>
<td>S&amp;P Small Cap 600</td>
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**Dow Jones**

<table>
<thead>
<tr>
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<th>Weight</th>
<th>Size (Lipper*)</th>
<th>Valuation</th>
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<tbody>
<tr>
<td></td>
<td>Wtd Avg</td>
<td>Total</td>
<td>Top 10</td>
<td>Bottom 100</td>
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<td>Industrials (30)</td>
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**Market Cap** is a bottom-up weighted average based on share information from Compustat and price information from FactSet's pricing database as provided by Standard & Poor's and Russell Investment Group, respectively. **Dividend Yield** is calculated based on the trailing 12 months of dividends and is provided by FactSet’s pricing database for S&P and Dow Indexes and Russell for the Russell Indexes. **Forward P/E** is a bottom-up calculation based on the most recent S&P 500 price, divided by consensus estimates for earnings in the next twelve months (NTM), and is provided by FactSet Market Aggregates. **Top 10** represents summed benchmark weight of ten largest stocks in respective index. **Bottom 100** represents summed benchmark weight of 100 smallest stocks in respective index. *Lipper mutual fund size parameters are used for illustrative purposes only and are hypothetical distributions based on Lipper mutual fund categories. As of May 2011, Lipper defines large as market cap over $12.7 billion, small as less than $4.3 billion and mid as all values in between. The number of holdings as of 6/30/11 are – Russell 1000: 985; Russell Mid Cap: 789; Russell 2000: 1,985; Russell 3000: 2,970. Data are as of 6/30/11.
S&P 500 Index at Inflection Points

S&P 500 Index

<table>
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<tr>
<td>Index level</td>
<td>1,527</td>
<td>1,565</td>
<td>1,321</td>
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<tr>
<td>P/E Ratio (fwd)</td>
<td>25.6x</td>
<td>15.2x</td>
<td>12.4x</td>
</tr>
<tr>
<td>Dividend yield</td>
<td>1.1%</td>
<td>1.8%</td>
<td>1.9%</td>
</tr>
<tr>
<td>10-yr. Treasury</td>
<td>6.2%</td>
<td>4.7%</td>
<td>3.2%</td>
</tr>
</tbody>
</table>

Mar. 24, 2000: P/E (fwd) = 25.6x
Oct. 9, 2002: P/E (fwd) = 14.1x
Dec. 31, 1996: P/E (fwd) = 16.0x
Oct. 9, 2007: P/E (fwd) = 15.2x
Mar. 9, 2009: P/E (fwd) = 10.3x
Jun. 30, 2011: P/E (fwd) = 12.4x

Source: Standard & Poor’s, First Call, Compustat, FactSet, J.P. Morgan Asset Management.

Dividend yield is calculated as the annualized dividend rate divided by price, as provided by Compustat. Forward Price to Earnings Ratio is a bottom-up calculation based on the most recent S&P 500 Index price, divided by consensus estimates for earnings in the next twelve months (NTM), and is provided by FactSet Market Aggregates.

Returns are cumulative and based on S&P 500 Index price movement only, and do not include the reinvestment of dividends. Past performance is not indicative of future results.

Data are as of 6/30/11.
Market Leadership by Quality Rating

Returns By Standard & Poor’s Quality Rating

S&P 1500 Index constituents

Quality ratings are calculated by Standard & Poor’s and based on the growth and stability of earnings and dividends over a trailing 10-year period*

Source: Standard & Poor’s, FactSet, J.P. Morgan Asset Management.

Returns are based on beginning of period market capitalization weighted total returns and are calculated on a bottom-up basis. Quality buckets are based on beginning of period rating. Please note that companies without a quality rating are excluded from calculations.

*For additional information on S&P’s quality rankings, please see “Standard & Poor’s Quality Rankings: Portfolio Performance, Risk, and Fundamental Analysis” from October 2005.

Data are most recent as of 6/30/11. Past performance is not indicative of future results.
### S&P 500 Index: Return Needed to Reach 2007 Peak

Analysis as of Jun. 30, 2011. Index has risen 95.1% since low of 677.

<table>
<thead>
<tr>
<th>Years</th>
<th>Return Needed to Reach Peak</th>
<th>Implied avg. annualized total return</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Yrs</td>
<td>20.5%</td>
<td>X%</td>
</tr>
<tr>
<td>2 Yrs</td>
<td>10.8%</td>
<td>22.9%</td>
</tr>
<tr>
<td>3 Yrs</td>
<td>7.8%</td>
<td>25.4%</td>
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<td>4 Yrs</td>
<td>6.3%</td>
<td>27.9%</td>
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<tr>
<td>5 Yrs</td>
<td>5.5%</td>
<td>30.4%</td>
</tr>
<tr>
<td>6 Yrs</td>
<td>4.9%</td>
<td>33.0%</td>
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<tr>
<td>7 Yrs</td>
<td>4.5%</td>
<td>35.7%</td>
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<tr>
<td>8 Yrs</td>
<td>4.1%</td>
<td>38.4%</td>
</tr>
<tr>
<td>9 Yrs</td>
<td>3.9%</td>
<td>41.2%</td>
</tr>
<tr>
<td>10 Yrs</td>
<td>3.7%</td>
<td>44.0%</td>
</tr>
</tbody>
</table>

Source: Standard & Poor’s, FactSet, J.P. Morgan Asset Management.

(Left) Data assume 2.0% annualized dividend yield. Implied values reflect the average geometric total returns required for the S&P 500 to reach its 10/9/07 peak of 1,565 over each stated time period. Chart is for illustrative purposes only. Past performance does not guarantee future results.

(Right) A bear market is defined as a peak-to-trough decline in the S&P 500 Index (price only) of 20% or more. The bull run data reflect the market expansion from the bear market low to the subsequent market peak. All returns are S&P 500 Index returns and do not include dividends. *Current bull run from 3/9/09 through 6/30/11. Data are as of 6/30/11.
**Investment Style Valuations**

### Russell 1000 Growth P/E divided by Russell 1000 Value P/E

- **Most recent:**
  - R1000 Growth: 14.5
  - R1000 Value: 12.8
  - Growth / Value: 1.13x*

- **20-yr. average:** 1.47x

### Current P/E vs. 20-year avg. P/E

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
<th>Blend</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>12.8</td>
<td>13.7</td>
<td>14.5</td>
</tr>
<tr>
<td>Mid</td>
<td>14.7</td>
<td>16.0</td>
<td>17.5</td>
</tr>
<tr>
<td>Small</td>
<td>15.3</td>
<td>17.2</td>
<td>19.0</td>
</tr>
</tbody>
</table>

*Represents the Russell 1000 Growth Index P/E ratio divided by the Russell 1000 Value Index P/E ratio (top) and Russell 2000 Index P/E ratio divided by the Russell 1000 Index P/E ratio (bottom). Data reflect P/Es as provided by Russell based on IBES estimates of next twelve months’ earnings. Data are as of 6/30/11.

### Russell 2000 P/E divided by Russell 1000 P/E

- **Most recent:**
  - R2000: 17.2
  - R1000: 13.7
  - Small / Large: 1.26x*

- **20-yr. average:** 1.03x

**Current P/E as % of 20-year avg. P/E**

- Large: 91.1% 81.1% 68.7%
- Mid: 105.2% 98.0% 79.8%
- Small: 107.9% 100.6% 89.1%

*E.g.: Large Cap Blend stocks are 18.9% cheaper than their historical average.*

Source: Russell Investment Group, IBES, FactSet, J.P. Morgan Asset Management.
### Stock Valuation Measures: S&P 500 Index

#### S&P 500 Index: Valuation Measures

<table>
<thead>
<tr>
<th>Valuation Measure</th>
<th>Description</th>
<th>Latest</th>
<th>1-year ago</th>
<th>3-year avg.</th>
<th>5-year avg.</th>
<th>10-year avg.</th>
<th>15-year avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>P/E</td>
<td>Price to Earnings</td>
<td>12.4x</td>
<td>11.5x</td>
<td>12.9x</td>
<td>13.5x</td>
<td>15.2x</td>
<td>17.1x</td>
</tr>
<tr>
<td>P/B</td>
<td>Price to Book</td>
<td>2.3</td>
<td>1.9</td>
<td>2.1</td>
<td>2.4</td>
<td>2.6</td>
<td>3.1</td>
</tr>
<tr>
<td>P/CF</td>
<td>Price to Cash Flow</td>
<td>8.5</td>
<td>7.6</td>
<td>8.2</td>
<td>9.0</td>
<td>10.4</td>
<td>11.2</td>
</tr>
<tr>
<td>P/S</td>
<td>Price to Sales</td>
<td>1.2</td>
<td>1.0</td>
<td>1.1</td>
<td>1.2</td>
<td>1.3</td>
<td>1.5</td>
</tr>
<tr>
<td>PEG</td>
<td>Price/Earnings to Growth</td>
<td>0.9</td>
<td>0.4</td>
<td>0.9</td>
<td>1.1</td>
<td>1.2</td>
<td>1.2</td>
</tr>
<tr>
<td>Div. Yield</td>
<td>Dividend Yield</td>
<td>2.1%</td>
<td>2.3%</td>
<td>2.3%</td>
<td>2.2%</td>
<td>2.0%</td>
<td>1.9%</td>
</tr>
</tbody>
</table>

#### Historical Averages

<table>
<thead>
<tr>
<th></th>
<th>3-year avg.</th>
<th>5-year avg.</th>
<th>10-year avg.</th>
<th>15-year avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price to Net Asset Value, all U.S. non-financial corporations</td>
<td>40-yr. avg. = 0.8x</td>
<td>1.0x</td>
<td>2Q11*:</td>
<td>Less Attractive</td>
</tr>
</tbody>
</table>

#### Q-Ratio: Stock Price Relative to Company Assets

Price to net asset value, all U.S. non-financial corporations

Source: (Top) Standard & Poor’s, FactSet, J.P. Morgan Asset Management.
Price to Earnings is price divided by consensus analyst estimates of earnings per share for the next twelve months. Price to Book is price divided by book value per share. Data post-1992 include intangibles and are provided by Standard & Poor’s. Price to Cash Flow is price divided by consensus analyst estimates of cash flow per share for the next twelve months. Price to Sales is calculated as price divided by consensus analyst estimates of sales per share for the next twelve months. PEG Ratio is calculated as NTM P/E divided by NTM earnings growth. Dividend Yield is calculated as consensus analyst estimates of dividends for the next twelve months divided by price. All consensus analyst estimates are provided by FactSet. (Bottom left) Q-Ratio based on data from the Federal Reserve, table B.102. *2Q11 is an estimate provided by J.P. Morgan Asset Management as of 6/30/11. (Bottom right) Standard & Poor’s, Moody’s, FactSet, J.P. Morgan Asset Management.

Data are as of 6/30/11.
S&P 500 Index: Forward P/E Ratio

S&P 500 Operating Earnings Estimates
Consensus estimates of the next twelve months’ rolling earnings

2Q11: $106.18

Multiple Expansion and Contraction
Forward P/E based on consensus EPS estimates

Correlation Coefficient: 0.72

Source: (Top left) Standard & Poor’s, Compustat, FactSet, J.P. Morgan Asset Management. (Top right) Standard & Poor’s, Compustat, FactSet, J.P. Morgan Asset Management. Earnings estimates are for calendar years and taken at quarter end dates throughout the year. Actual reported are annual operating earnings reported by Standard and Poor’s. (Bottom) Standard & Poor’s, FactSet, University of Michigan, J.P. Morgan Asset Management. Forward Price to Earnings is price divided by consensus analyst estimates of earnings per share for the next twelve months.

Data are as of 6/30/11.
Deploying Corporate Cash

Corporate Cash as a % of Current Assets
S&P 500 companies – cash and cash equivalents, quarterly

Corporate Growth
Quarterly deal volume and nonfarm nonfinancial capex, billions USD

Dividend Payout Ratio
S&P 500 companies, LTM

Cash Returned to Shareholders
Rolling 4-quarter averages, S&P 500, billions USD


(Top left) Standard & Poor’s, FactSet, J.P. Morgan Asset Management. (Top right) M&A activity is quarterly number of deals of any value and capital expenditures are for nonfarm nonfinancial corporate business. (Bottom left) Standard & Poor’s, FactSet, J.P. Morgan Asset Management. (Bottom right) Standard & Poor’s, Compustat, FactSet, J.P. Morgan Asset Management. Data are most recent as of 6/30/11.
Sources of Profitability

Chart 1: Net Profit Margin
Net income/sales

Chart 2: Asset Turnover Ratio
Sales/assets

Chart 3: Financial Leverage
Assets/equity

Return on Equity
Chart 1 \times Chart 2 \times Chart 3 = \text{Net income/equity}

Source: Standard & Poor’s, Compustat, FactSet, J.P. Morgan Asset Management.

Return on equity for S&P 500 companies calculated as the product of aggregate net income/sales, aggregate sales/assets and aggregate assets/equity for these 500 companies. Most recent data are from 4Q10 reflecting the last fully completed reporting period.

Dotted lines represent the average, as well as +/- one standard deviation from the average, for the time period shown.

Data are as of 6/30/11.
Equity Correlations and Volatility

Large Cap Stocks
Correlations Among Stocks

- Great Depression / World War II
- Cuban Missile Crisis
- OPEC Oil Crisis
- 1987 Crash
- Tech Bust & 9/11
- Lehman Bankruptcy
- Sovereign Debt Crisis

Average: 26.4%

Jun. 2011: 34.5%

Daily Volatility of DJIA

- Volatility Level
  - '08 Peak: 3.30%
  - Latest: 0.58%

Average: 0.72%

Charts shown for illustrative purposes only. Data are as of 6/30/11.

Economic Expansions and Recessions

Length of Economic Expansions and Recessions

Average Length (months):
- Expansions: 44 months
- Recessions: 15 months

Source: NBER, J.P. Morgan Asset Management.

*Chart assumes current expansion started in July 2009 and continued through June 2011.

Data for length of economic expansions and recessions obtained from the National Bureau of Economic Research (NBER). These data can be found at www.nber.org/cycles/ and reflects information through June 2011.

For illustrative purposes only.

Data reflect most recently available as of 6/30/11.

The Great Depression and Post-War Recessions

Length and severity of recession

Great Depression: 26.7% decline in real GDP

Most Recent Recession: 4.1% decline in real GDP

Source: NBER, BEA, J.P. Morgan Asset Management.

Bubble size reflects the severity of the recession, which is calculated as the decline in real GDP from the peak quarter to the trough quarter except in the case of the Great Depression, where it is calculated from the peak year (1929) to the trough year (1933), due to a lack of available quarterly data.
Economic Growth and the Composition of GDP

Real GDP
% chg at annual rate

20-yr avg. 1Q11
Real GDP: 2.5% 1.9%

$554 bn of output lost

$634 bn of output recovered

Components of GDP
1Q11 nominal GDP, billions, USD

2.2% Housing
10.3% Investment ex-housing
20.2% Gov’t Spending
71.1% Consumption

- 3.7% Net Exports

Source: BEA, FactSet, J.P. Morgan Asset Management.
GDP values shown in legend are % change vs. prior quarter annualized and reflect revised 1Q11 GDP.
Data reflect most recently available as of 6/30/11.
Cyclical Sectors

**Light Vehicle Sales**
Millions, seasonally adjusted annual rate

- Average: 14.6
- June 2011: 11.4

**Manufacturing and Trade Inventories**
Days of sales, seasonally adjusted

- Apr. 2011: 38.3

**Housing Starts**
Thousands, seasonally adjusted annual rate

- Average: 1,463
- May 2011: 560

**Real Capital Goods Orders**
Non-defense capital goods orders ex. aircraft, $ bn, seasonally adjusted

- Average: 57.4
- May 2011: 59.4

Source: (Top left) Census Bureau, FactSet, J.P. Morgan Asset Management. (Top right) BEA, FactSet, J.P. Morgan Asset Management. (Bottom left) Census Bureau, FactSet, J.P. Morgan Asset Management. (Bottom right) Census Bureau, FactSet, J.P. Morgan Asset Management.

Data reflect most recently available as of 6/30/11.
Consumer Finance

Personal Savings Rate
Annual, % of disposable income

Household Debt Service Ratio
Debt payments as % of disposable personal income, seasonally adjusted

Consumer Balance Sheet
Trillions of dollars outstanding, not seasonally adjusted

Total Assets: $71.9 tn
- Homes: 25%
- Other tangible: 7%
- Deposits: 11%
- Pension funds: 19%
- Other financial assets: 38%
- Mortgages: 72%

Total Liabilities: $13.9 tn
- Revolving (e.g.: credit cards): 6%
- Non-revolving: 12%
- Other Liabilities: 11%

Total Assets and Liabilities


Personal savings rate is calculated as personal savings (after-tax income – personal outlays) divided by after-tax income. Employer and employee contributions to retirement funds are included in after-tax income but not in personal outlays, and thus are implicitly included in personal savings.

Savings rate data are as of May 2011. *2Q11 Household Debt Service Ratio is J.P. Morgan Asset Management estimate. All other data are as of 1Q11.

Data reflect most recently available as of 6/30/11.
The 2011 Federal Budget
Trillions, USD

- Total Spending: $3.7tn
  - Medicare & Medicaid: $841bn (23%)
  - Social Security: $727bn (20%)
  - Defense: $733bn (20%)
  - Non-defense Discretionary: $636bn (17%)
  - Net Int.: $214bn (6%)
  - Other: $504bn (14%)

- Borrowing: $1,427bn (39%)
- Revenues: $2,228bn (61%)

Federal Budget Surplus/Deficit
% of GDP, 1960 – 2012*

2012 estimate: -7%

Federal Debt (Accumulated Deficits)
% of GDP, 1960 – 2012*

2012 estimate: 74%

2010 numbers reflect actual CBO data for FY 2010. Other numbers are based on 2011 and 2012 budget projections from the CBO’s “An Analysis of the President’s Budgetary Proposals for Fiscal Year 2012” which was released on April 15, 2011.
Note: Years shown are fiscal years (Oct. 1 through Sep. 30). Top right chart displays federal surplus/deficit (revenues – outlays). Data reflect most recently available as of 6/30/11.
The Aftermath of the Housing Bubble

**Median Existing Home Prices**
$ thousands, seasonally adjusted

Home Price Changes:
- 1-year: -5%
- 3-years: -20%
- 5-years: -26%
- 10-years: 9%

**Home Equity**
Billions USD, saar

1Q06: $13,504
1Q11: $6,124

**Home Sales and Inventories**
Millions, annual rate, seasonally adjusted

May 2011: 3.8
May 2011: 5.1

**Affordability: Mortgage Payment on Average New Home**
% of average household personal income

May 2011: 12.1%


Home price based on median sales price of existing homes and are cumulative, not annualized. Home sales includes both new and existing home sales. Existing home sales include single-family, townhomes, condominiums and co-ops. Note: Calculation for bottom right chart assumes a 20% down payment, a 30-year fixed rate mortgage, excludes property tax and homeowners’ insurance and is expressed as a percent of pre-tax income. Data reflect most recently available as of 6/30/11.
Civilian Unemployment Rate
Seasonally adjusted

- May 2011: 9.1%
- 50-yr. avg.: 6.0%

Employment – Total Private Payroll
Total job gain/loss (thousands)

- 8.8mm jobs lost
- 2.1mm jobs gained

Source: BLS, FactSet, J.P. Morgan Asset Management.
Data reflect most recently available as of 6/30/11.
Unemployment Rates Across the U.S.

Source: BLS, J.P. Morgan Asset Management.
Unemployment rates are as of May 2011.
Data reflect most recently available as of 6/30/11.
Job Growth, Productivity and Labor Force

20 Years – Net Job Creation
Net change in millions of payroll jobs, sa

- Health Care: 7.0
- Fin. & Bus. Services: 6.5
- Education: 4.0
- Leisure & Hospitality: 4.0
- Trade & Retailing: 2.8
- Government: 1.1
- Other Services: 1.2
- Mining & Construction: 0.8
- Manufacturing: -5.4

Source: BLS, FactSet, J.P. Morgan Asset Management.
Data reflect most recently available as of 6/30/11.

Labor Productivity: Output per Hour
Non-farm business productivity, % change year-over-year

- 20-yr. average: 2.4%
- 1Q11: 1.3%

Source: BLS, FactSet, J.P. Morgan Asset Management.

Labor Force Participation Rate
% of population aged 16+ working or looking for work

- 20-yr. average: 66.3%
- May 2011: 64.2%

Source: BLS, FactSet, J.P. Morgan Asset Management.
Small Business

NFIB Small Business Optimism Index

Mar. 2009: 81.0

May 2011: 90.9

Small and Large Firm Profits - Billions $

Small firms

Large firms

Small Business: Availability of Credit

Net percent (“easier” – “harder”) compared to 3mo ago, 3mo moving average

May 2011: -9.0%

Net Change in Employment – Thousands

Small firm defined as having less than 1000 employees

Source: (Top left) NFIB, FactSet, J.P. Morgan Asset Management. (Top right) BEA, FactSet, J.P. Morgan Asset Management. (Bottom left) NFIB, FactSet, J.P. Morgan Asset Management. (Bottom right) Census Bureau, FactSet, J.P. Morgan Asset Management.

(Top right) Large firm profits defined as adjusted pre-tax corporate profits. Small firm profits defined as adjusted proprietors’ income.

Employment data are from the BLS Business Employment Dynamics Survey, which is released quarterly, and as of December 2010.

Data reflect most recently available as of 6/30/11.
Corporate Profits

**S&P 500 Earnings Per Share**
Operating basis, quarterly

- 2Q07: $24.06
- Most recent: $22.60

**Adjusted After-Tax Corporate Profits (% of GDP)**
Includes inventory and capital consumption adjustments

- 1Q11: 8.4%

---

Source: BEA, FactSet, J.P. Morgan Asset Management.

Most recently available is a 1Q11 99% complete estimate.

Data reflect most recently available as of 6/30/11.

---

Source: Standard & Poor’s, J.P. Morgan Asset Management.

EPS levels are based on operating earnings per share.
Consumer Price Index

CPI and Core CPI
% chg vs. prior year, seasonally adjusted

<table>
<thead>
<tr>
<th>CPI Components</th>
<th>Weight in CPI</th>
<th>12-month Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food &amp; Bev.</td>
<td>14.8%</td>
<td>3.4%</td>
</tr>
<tr>
<td>Housing</td>
<td>41.5%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Apparel</td>
<td>3.6%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Transportation</td>
<td>17.3%</td>
<td>12.5%</td>
</tr>
<tr>
<td>Medical Care</td>
<td>6.6%</td>
<td>3.0%</td>
</tr>
<tr>
<td>Recreation</td>
<td>6.3%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Educ. &amp; Comm.</td>
<td>6.4%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Other</td>
<td>3.5%</td>
<td>1.5%</td>
</tr>
</tbody>
</table>

Headline CPI  100.0%  3.4%
Less:
Energy     9.1%  20.7%
Food       13.7%  3.5%
Core CPI   77.2%  1.5%

Source: BLS, J.P. Morgan Asset Management.

CPI values shown are % change vs. 1 year ago and reflect May 2011 CPI data. CPI component weights are as of May 2011 and 12-month change reflects data through May 2011. Core CPI is defined as CPI excluding food and energy prices.

Data reflect most recently available as of 6/30/11.
Returns in Different Inflation Environments – 40 years

**High and Rising Inflation**
Occurred 13 times since 1971

- Bonds: 6%
- Equities: 1%
- Cash: 7%
- Commodities: 10%

**High and Falling Inflation**
Occurred 7 times since 1971

- Bonds: 17%
- Equities: 22%
- Cash: 8%
- Commodities: -12%

**Low and Rising Inflation**
Occurred 7 times since 1971

- Bonds: 6%
- Equities: 20%
- Cash: 3%
- Commodities: 22%

**Low and Falling Inflation**
Occurred 13 times since 1971

- Bonds: 8%
- Equities: 12%
- Cash: 4%
- Commodities: 6%

Source: BLS, Barclays Capital, Robert Shiller, Federal Reserve, Strategas/Ibbotson, Standard and Poor’s, FactSet, J.P. Morgan Asset Management. High or low inflation distinction is relative to median CPI-U inflation for the period 1971 to 2010. Rising or falling inflation distinction is relative to previous year CPI-U inflation rate. Bond returns are based on the Barclays U.S. Aggregate index since its inception in 1976 and a composite bond index prior to that. Equity returns based on S&P 500 price return and annual dividend yield. Cash returns are based on the Barclays 1-3 Month T-Bill index since its inception in 1992 and 3-month T-Bill rates prior to that. Commodities returns based on GSCI. For illustrative purposes only. Past performance is not indicative of comparable future returns. Data reflect most recently available as of 6/30/11.
Oil and the Economy

**WTI Crude Oil & Retail Gasoline Prices**

<table>
<thead>
<tr>
<th>Year</th>
<th>Oil</th>
<th>Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2000</td>
<td>$26.72</td>
<td>$1.41</td>
</tr>
<tr>
<td>6/30/2011</td>
<td>$95.42</td>
<td>$3.57*</td>
</tr>
</tbody>
</table>

**Economic Drag From Oil Prices**

U.S. Petroleum Imports as a % of GDP

- 2Q11*: 3.1%
- 3Q08: 3.8%

**World Oil Consumption**

Percentage change, barrels

- Average: 2.9 mm bbl/day

**OPEC Spare Capacity – Crude Oil**

Millions of barrels per day


2011 and 2012 world oil consumption based on estimates from U.S. Department of Energy.*Gasoline price based on weekly series; data are as of 7/1/11.

Data reflect most recently available as of 6/30/11.

*2Q drag from oil prices is a J.P. Morgan Asset Management estimate.
Consumer Confidence

**Consumer Sentiment Index – University of Michigan**

**Impact on Consumer Sentiment from a…**

- 10% y-o-y rise in gasoline prices: -1.6 points
- 10% y-o-y rise in home prices: +6.4
- 10% y-o-y rise in the S&P 500: +2.7
- 1% y-o-y rise in the unemployment rate: -4.5

Source: University of Michigan, FactSet, J.P. Morgan Asset Management.


Data reflect most recently available as of 6/30/11.
## Fixed Income Sector Returns

<table>
<thead>
<tr>
<th>Year</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011 YTD</th>
<th>2Q11</th>
<th>10- yrs '01 - '10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corp.</td>
<td>10.3%</td>
<td>16.7%</td>
<td>29.0%</td>
<td>11.9%</td>
<td>12.3%</td>
<td>11.8%</td>
<td>11.6%</td>
<td>13.7%</td>
<td>58.2%</td>
<td>15.1%</td>
<td>5.8%</td>
<td>3.9%</td>
<td>171.1%</td>
</tr>
<tr>
<td>Barclays Agg</td>
<td>8.4%</td>
<td>12.2%</td>
<td>26.9%</td>
<td>11.1%</td>
<td>Asset Alloc.</td>
<td>6.3%</td>
<td>Asset Alloc.</td>
<td>10.0%</td>
<td>Asset Alloc.</td>
<td>6.0%</td>
<td>TIPS</td>
<td>5.2%</td>
<td>97.2%</td>
</tr>
<tr>
<td>MBS</td>
<td>8.2%</td>
<td>11.8%</td>
<td>10.6%</td>
<td>6.3%</td>
<td>3.5%</td>
<td>5.2%</td>
<td>MBS</td>
<td>Asset Alloc.</td>
<td>18.7%</td>
<td>9.0%</td>
<td>5.0%</td>
<td>3.4%</td>
<td>MBS</td>
</tr>
<tr>
<td>TIPS</td>
<td>7.9%</td>
<td>10.3%</td>
<td>15.0%</td>
<td>6.0%</td>
<td>5.1%</td>
<td>TIPS</td>
<td>Asset Alloc.</td>
<td>15.8%</td>
<td>Asset Alloc.</td>
<td>7.6%</td>
<td>Muni</td>
<td>4.4%</td>
<td>Asset Alloc. 92.2%</td>
</tr>
<tr>
<td>Asset Alloc.</td>
<td>6.8%</td>
<td>10.1%</td>
<td>8.2%</td>
<td>5.4%</td>
<td>2.8%</td>
<td>4.8%</td>
<td>Muni</td>
<td>Asset Alloc.</td>
<td>-2.4%</td>
<td>12.9%</td>
<td>3.7%</td>
<td>2.4%</td>
<td>Asset Alloc. 100.0%</td>
</tr>
<tr>
<td>Treas.</td>
<td>6.7%</td>
<td>10.0%</td>
<td>5.3%</td>
<td>4.7%</td>
<td>2.7%</td>
<td>4.3%</td>
<td>5.2%</td>
<td>-2.5%</td>
<td>11.4%</td>
<td>6.3%</td>
<td>3.2%</td>
<td>2.3%</td>
<td>77.2%</td>
</tr>
<tr>
<td>High Yield</td>
<td>5.3%</td>
<td>9.6%</td>
<td>4.1%</td>
<td>4.5%</td>
<td>2.6%</td>
<td>4.3%</td>
<td>4.6%</td>
<td>4.9%</td>
<td>5.9%</td>
<td>5.9%</td>
<td>2.9%</td>
<td>2.3%</td>
<td>76.3%</td>
</tr>
<tr>
<td>Muni</td>
<td>5.1%</td>
<td>8.7%</td>
<td>3.1%</td>
<td>3.2%</td>
<td>2.6%</td>
<td>4.3%</td>
<td>4.6%</td>
<td>4.9%</td>
<td>5.9%</td>
<td>5.9%</td>
<td>2.9%</td>
<td>2.3%</td>
<td>69.4%</td>
</tr>
<tr>
<td>EMD</td>
<td>1.5%</td>
<td>1.4%</td>
<td>2.2%</td>
<td>3.1%</td>
<td>3.5%</td>
<td>1.7%</td>
<td>0.4%</td>
<td>3.1%</td>
<td>1.9%</td>
<td>26.2%</td>
<td>-3.6%</td>
<td>2.4%</td>
<td>1.1%</td>
</tr>
</tbody>
</table>

Source: Barclays Capital, FactSet, J.P. Morgan Asset Management.

Past performance is not indicative of future returns. Fixed income sectors shown above are provided by Barclays Capital and are represented by: Barclays Capital U.S. Aggregate Index; MBS: Fixed Rate MBS Index; Corporate: U.S. Corporate; Municipal: Muni Bond Index; Emerging Debt: Emerging Markets Index; High Yield: Corporate High Yield Index; Treasuries: Barclays Capital U.S. Treasury; TIPS: Barclays Capital TIPS. The “Asset Allocation” portfolio assumes the following weights: 10% in MBS, 20% in Corporate, 15% in Municipals, 10% in Emerging Debt, 10% in High Yield, 25% in Treasuries, 10% in TIPS. Asset allocation portfolio assumes annual rebalancing.

Data are as of 6/30/11.
### U.S. Treasuries

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Year</td>
<td></td>
<td></td>
<td>2 years</td>
<td>0.61%</td>
<td>0.45%</td>
<td>0.92%</td>
<td>0.94%</td>
</tr>
<tr>
<td>5-Year</td>
<td># of issues: 143</td>
<td>5</td>
<td></td>
<td>2.01</td>
<td>1.76</td>
<td>3.29</td>
<td>3.27</td>
</tr>
<tr>
<td>10-Year</td>
<td>Total value: $3.968 tn</td>
<td>10</td>
<td></td>
<td>3.30</td>
<td>3.18</td>
<td>3.21</td>
<td>3.59</td>
</tr>
<tr>
<td>30-Year</td>
<td></td>
<td>30</td>
<td></td>
<td>4.34</td>
<td>4.38</td>
<td>1.48</td>
<td>3.27</td>
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</table>

### Sector

<table>
<thead>
<tr>
<th>Sector</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Broad Market</td>
<td>7,979</td>
<td>$15,217 bn</td>
<td>7.4 years</td>
<td>2.97%</td>
<td>2.83%</td>
<td>2.72%</td>
<td>2.29%</td>
</tr>
<tr>
<td>MBS</td>
<td>1,116</td>
<td>5,063</td>
<td>6.8</td>
<td>3.67</td>
<td>3.53</td>
<td>2.87</td>
<td>2.28</td>
</tr>
<tr>
<td>Corporates</td>
<td>3,855</td>
<td>3,014</td>
<td>10.1</td>
<td>4.02</td>
<td>3.83</td>
<td>3.16</td>
<td>2.28</td>
</tr>
<tr>
<td>Municipals</td>
<td>45,667</td>
<td>1,229</td>
<td>13.4</td>
<td>3.80</td>
<td>3.49</td>
<td>4.42</td>
<td>3.89</td>
</tr>
<tr>
<td>Emerging Debt</td>
<td>438</td>
<td>614</td>
<td>11.0</td>
<td>5.76</td>
<td>5.60</td>
<td>5.00</td>
<td>3.37</td>
</tr>
<tr>
<td>High Yield</td>
<td>1,916</td>
<td>989</td>
<td>6.9</td>
<td>7.51</td>
<td>7.32</td>
<td>4.97</td>
<td>1.05</td>
</tr>
<tr>
<td>TIPS</td>
<td>31</td>
<td>639</td>
<td>9.1</td>
<td>2.78</td>
<td>2.66</td>
<td>5.81</td>
<td>3.66</td>
</tr>
</tbody>
</table>

### Price Impact of a 1% Rise/Fall in Interest Rates

<table>
<thead>
<tr>
<th>Sector</th>
<th>2yr</th>
<th>5yr</th>
<th>10yr</th>
<th>30yr</th>
<th>High Yield</th>
<th>MBS</th>
<th>TIPS</th>
<th>Broad Mkt</th>
<th>EMD</th>
<th>Corps.</th>
<th>Munis</th>
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</thead>
<tbody>
<tr>
<td>+1%</td>
<td>-2.0%*</td>
<td>4.8%</td>
<td>8.4%</td>
<td>16.5%</td>
<td>4.4%</td>
<td>4.6%</td>
<td>4.7%</td>
<td>5.2%</td>
<td>6.4%</td>
<td>6.5%</td>
<td>8.5%</td>
</tr>
<tr>
<td>-1%</td>
<td>0.9%</td>
<td>-4.8%</td>
<td>-8.4%</td>
<td>-16.5%</td>
<td>-4.4%</td>
<td>-4.6%</td>
<td>-4.7%</td>
<td>-5.2%</td>
<td>-6.4%</td>
<td>-6.5%</td>
<td>-8.5%</td>
</tr>
</tbody>
</table>

*Calculation assumes 2-Year Treasury interest rate falls 0.45% to 0.00% as interest rates can only fall to 0.00%.

Chart is for illustrative purposes only. Past performance is not indicative of comparable future results. Data are as of 6/30/11.
Interest Rates and Inflation

10-Year Yields: Nominal Treasuries & TIPS

<table>
<thead>
<tr>
<th>Date</th>
<th>Nominal Treasuries</th>
<th>10-year TIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep. 30, 1981</td>
<td>15.84%</td>
<td>0.13%</td>
</tr>
<tr>
<td>As of Jun. 30, 2011</td>
<td>3.18%</td>
<td>0.75%</td>
</tr>
</tbody>
</table>

Implied Expected Inflation: 2.43%

Nominal and Real Policy Rates

<table>
<thead>
<tr>
<th>Year</th>
<th>Nominal FFR</th>
<th>Real FFR</th>
</tr>
</thead>
<tbody>
<tr>
<td>'80</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'85</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'90</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'95</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'00</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'05</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
<tr>
<td>'10</td>
<td>0.13%</td>
<td>0.13%</td>
</tr>
</tbody>
</table>

Nominal FFR: 0.13%
Real FFR: -1.39%

Source: FRB, BLS, J.P. Morgan Asset Management. Chart is the Federal Funds Target Rate less Core CPI (inflation excluding food and energy, year-over-year). Data are as of 6/30/11.

Source: St. Louis Fed, Federal Reserve, J.P. Morgan Asset Management. Treasury Inflation-Protected Securities were first introduced in 1997. Data are as of 6/30/11.
The Fed’s Balance Sheet and the Money Supply

**Federal Reserve Balance Sheet**
U.S. Federal Reserve, total reserve bank credit, $ trillions

- **Long-term**
- **Short-term**

**M2 Money Multiplier**
M2 divided by the monetary base

May 2011: 3.5x

**Excess Reserves & the Monetary Base**
$ trillions

- **Monetary Base**
- **Excess Reserves**

**Money Supply Growth**
Year-over-year growth in M2

May 2011: 5.0%


Monetary base is defined as the total amount of a currency that is either circulated in the hands of the public or in the commercial bank deposits held in the central bank's reserves.

Data are as of 6/30/11.
Credit Conditions

**Lending Standards: Consumer Loans**
Net percent of banks reporting tighter lending standards

**Delinquency Rates**
All banks, seasonally adjusted

**Equifax Risk Score**
Average credit score

**LIBOR Spread over Treasuries (“TED Spread”)**
3-month LIBOR – 3-month Treasury (rate on interbank loans)


All data reflect most recently available releases.

Data are as of 6/30/11.
Foreign Ownership of U.S. Treasuries

### Percentage of U.S. Treasuries Owned by Foreigners

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>'78</td>
<td>12%</td>
</tr>
<tr>
<td>'84</td>
<td>14%</td>
</tr>
<tr>
<td>'89</td>
<td>19%</td>
</tr>
<tr>
<td>'94</td>
<td>35%</td>
</tr>
<tr>
<td>'99</td>
<td>41%</td>
</tr>
<tr>
<td>'04</td>
<td>46%</td>
</tr>
<tr>
<td>'05</td>
<td>51%</td>
</tr>
<tr>
<td>'06</td>
<td>52%</td>
</tr>
<tr>
<td>'07</td>
<td>52%</td>
</tr>
<tr>
<td>'08</td>
<td>57%</td>
</tr>
<tr>
<td>'09</td>
<td>57%</td>
</tr>
<tr>
<td>'10</td>
<td>53%</td>
</tr>
</tbody>
</table>

Source: J.P. Morgan Asset Management, U.S. Treasury Department TIC.

Data reflects most recently available information as of 6/30/11, published by the U.S. Treasury in April 2011 for the period ending 6/30/10. Based on long-term marketable securities less bills outstanding.

### Foreign Holders of U.S. Treasuries

- **China**: $1,461 billion, 32%
- **Japan**: $907 billion, 20%
- **All other**: $1,153 billion, 26%
- **Oil countries**: $222 billion, 5%
- **Brazil**: $207 billion, 5%
- **Russia**: $125 billion, 3%
- **Caribbean**: $138 billion, 3%
- **Taiwan**: $155 billion, 3%
- **Hong Kong**: $122 billion, 3%

Source: J.P. Morgan Asset Management, U.S. Treasury Department TIC.

Caribbean Banking Centers include Bahamas, Bermuda, Cayman Islands, Netherlands Antilles and Panama. Oil countries include Ecuador, Venezuela, Indonesia, Bahrain, Iran, Iraq, Kuwait, Oman, Qatar, Saudi Arabia, the United Arab Emirates, Algeria, Gabon, Libya and Nigeria.

Data on this page are updated annually each June to reflect revisions by Treasury.

Data are as of June 2011.
High Yield Bonds

High Yield Spreads and Defaults

![Chart of High Yield Spreads and Defaults]

- **HY Spreads**: Average 5.9%, Latest 5.7%
- **HY Defaults**: Average 4.3%, Latest 0.8%

Historical High Yield Recovery Rates

- High yield bonds, cents on the dollar
- **Average**: 38.4¢

**Floating Rate Loans**

- Corporate high yield, yield to worst
- **Average**: 11.0%
- **Jun. 30, 2011**: 4.8%

Source (Top chart): U.S. Treasury, J.P. Morgan, J.P. Morgan Asset Management. Default rates are defined as the par value percentage of the total market trading at or below 50% of par value and include any Chapter 11 filing, prepackaged filing or missed interest payments. (Bottom left): J.P Morgan, Moody's, J.P. Morgan Asset Management. (Bottom right): Barclays Capital, J.P. Morgan Asset Management. Yield to worst is defined as the lowest potential yield that can be received on a bond without the issuer actually defaulting and reflects the possibility of the bond being called at an unfavorable time for the holder. Spreads indicated are benchmark yields less comparable maturity Treasury yields. Past performance is not indicative of comparable future results.

Data are as of 6/30/11.
Municipal Bond Tax-Equivalent Spread
Spread over 10-year U.S. Treasury, %

Source: (Left chart) Barclays Capital, FactSet, Tax Policy Center, J.P. Morgan Asset Management. Spreads indicated are the taxable equivalent benchmark yield less comparable maturity Treasury yields. (Right table) Barclays Capital, J.P. Morgan Asset Management.

Tax-equivalent yield calculation assumes the top federal marginal tax rate for that point in time. Past performance is not indicative of comparable future results.

Data are as of 6/30/11.
Emerging Market Debt

**EM & DM Gross Debt to GDP**

- **Developed**
- **Emerging**

**Emerging Markets Bond Index Global Spreads**

- Sovereign and quasi-sovereign issues, USD-denominated bonds
- Average: 4.2%
- Jun. 30, 2011: 2.9%

**Corporate Emerging Markets Bond Spreads**

- Corporate issues, USD-denominated bonds
- Average: 3.1%
- Jun. 30, 2011: 3.1%

**Local Emerging Market Bond Yields**

- Sovereign issues, local currency-denominated bonds
- Average: 6.9%
- Jun. 30, 2011: 6.6%


Spreads measure the credit risk premium over comparable maturity U.S. Treasury bonds. The J.P. Morgan EMBI Global (EMBIG) Index is a USD-denominated external debt index tracking bonds issued by sovereigns and quasi-sovereigns in developing nations. The J.P. Morgan Corporate Emerging Bond Index (CEMBI) is a USD-denominated external debt index tracking bonds issued by corporations. The J.P. Morgan GBI-EM index is a local currency-denominated index tracking bonds issued by emerging market governments. Debt to GDP ratios use IMF definition and data for developed and emerging countries. Past performance is not indicative of comparable future results.

Data are as of 6/30/11.
### International Returns: Local Currency vs. U.S. Dollars

#### Weights in MSCI All Country World Index

<table>
<thead>
<tr>
<th>Region</th>
<th>Local</th>
<th>USD</th>
<th>Local</th>
<th>USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>17%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>France</td>
<td>4%</td>
<td></td>
<td></td>
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<tr>
<td>Germany</td>
<td>4%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>3%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Spain</td>
<td>1%</td>
<td></td>
<td></td>
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<tr>
<td>Other</td>
<td>5%</td>
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<tr>
<td>United States</td>
<td>43%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>U.K.</td>
<td>8%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pacific</td>
<td>8%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emerging</td>
<td>14%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>5%</td>
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</tr>
<tr>
<td>Japan</td>
<td>8%</td>
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<tr>
<td>Korea</td>
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<tr>
<td>Brazil</td>
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</tr>
<tr>
<td>Russia</td>
<td>2%</td>
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</tr>
<tr>
<td>India</td>
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</tr>
<tr>
<td>China</td>
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<tr>
<td>Other</td>
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</table>

#### MSCI: Selected Countries

<table>
<thead>
<tr>
<th>Country</th>
<th>2Q11 Local</th>
<th>2Q11 USD</th>
<th>YTD Local</th>
<th>YTD USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>1.6</td>
<td>1.7</td>
<td>3.0</td>
<td>5.6</td>
</tr>
<tr>
<td>France</td>
<td>3.0</td>
<td>5.2</td>
<td>7.7</td>
<td>16.4</td>
</tr>
<tr>
<td>Germany</td>
<td>4.7</td>
<td>7.0</td>
<td>6.5</td>
<td>15.1</td>
</tr>
<tr>
<td>Japan</td>
<td>-2.4</td>
<td>0.2</td>
<td>-5.1</td>
<td>-4.7</td>
</tr>
<tr>
<td>China</td>
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<tr>
<td>Russia</td>
<td>-6.8</td>
<td>-5.4</td>
<td>2.1</td>
<td>10.1</td>
</tr>
</tbody>
</table>

Source: MSCI, Standard & Poor’s, FactSet, J.P. Morgan Asset Management.

All return values are MSCI Gross Index (official) data. Returns are as of 6/30/11. MSCI ACWI weights as of 6/30/11.

International investing involves a greater degree of risk and volatility. Changes in currency exchange rate and political and economic climate can raise or lower returns. Past performance is not indicative of future results. Europe and Pacific regions exclude Emerging Markets, which are shown separately. Europe excludes the U.K. and Pacific excludes Japan.

Data are as of 6/30/11.
The Economic Growth Differential

**World GDP Growth vs. U.S. GDP Growth**

- **World GDP Growth**
- **U.S. GDP Growth**
- **Difference**

<table>
<thead>
<tr>
<th>Year</th>
<th>World GDP Growth</th>
<th>U.S. GDP Growth</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>3%</td>
<td>0%</td>
<td>3%</td>
</tr>
<tr>
<td>2012</td>
<td>6%</td>
<td>9%</td>
<td>3%</td>
</tr>
</tbody>
</table>

Data are as of June 2011 and are provided by the International Monetary Fund. 2011 and 2012 data are shown in brown and are estimates provided by the IMF. Emerging and Developed Economy GDP growth rates represent quarterly annualized growth estimated by J.P. Morgan Global Economics Research and are as of 1Q11. Data are as of 6/30/11.
Global Economic Growth

Developed Market Countries Real GDP Growth

Annualized Averages

<table>
<thead>
<tr>
<th>Period</th>
<th>Australia</th>
<th>United States</th>
<th>Canada</th>
<th>Germany</th>
<th>United Kingdom</th>
<th>France</th>
<th>Japan</th>
<th>Italy</th>
<th>Spain</th>
</tr>
</thead>
<tbody>
<tr>
<td>'81-'85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>'86-'90</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>'91-'95</td>
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<td>'06-'10</td>
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<tr>
<td>2011</td>
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</tbody>
</table>

Emerging Market Countries Real GDP Growth

Annualized Averages

<table>
<thead>
<tr>
<th>Period</th>
<th>China</th>
<th>India</th>
<th>Indonesia</th>
<th>Russia</th>
<th>Mexico</th>
<th>Turkey</th>
<th>Brazil</th>
<th>Korea</th>
<th>Poland</th>
<th>South Africa</th>
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<tbody>
<tr>
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<td></td>
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<tr>
<td>'86-'90</td>
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<tr>
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</tr>
<tr>
<td>2011</td>
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</tbody>
</table>


2011 data are estimates as provided by the IMF.

Data are as of 6/30/11.
Global Monetary Policy

Real GDP Growth Rates – Quarterly Year-over-Year

Real Policy Rates – Monthly

Country Level Monetary Policy and Inflation

(Top charts) Emerging and Developed Economy GDP growth and real policy rates represent GDP weighted aggregates estimated by J.P. Morgan Global Economics Research. (Bottom chart) Key policy rates are the short-term target interest rates set by central banks. Inflation rates shown represent year-over-year quarterly rates for 1Q11. Real policy rates are short-term target interest rates set by central banks minus year-over-year inflation.
Data are as of 6/30/11.
Global Equity Valuations – Developed Markets

Developed Market Countries

<table>
<thead>
<tr>
<th>Current Composite Index</th>
<th>Current</th>
<th>10-year avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>World (ACWI) -1.10</td>
<td>11.6</td>
<td>1.8</td>
</tr>
<tr>
<td>EAFE Index -2.03</td>
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<tr>
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<td>Japan -1.93</td>
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<td>1.1</td>
</tr>
<tr>
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</tr>
<tr>
<td>United States 0.24</td>
<td>12.5</td>
<td>2.2</td>
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</table>

Source: MSCI, FactSet, J.P. Morgan Asset Management.

Note: Each valuation index shows an equally weighted composite of four metrics: price to forward earnings (Fwd. P/E), price to current book (P/B), price to last 12 months’ cash flow (P/CF) and price to last 12 months’ dividends normalized using means and average variability over the last 10 years. The grey bars represent valuation index variability relative to that of the All Country World Index (ACWI). See disclosures page at the end for metric definitions.

Data are as of 6/30/11.
### Global Equity Valuations – Emerging Markets

#### Emerging Market Countries

<table>
<thead>
<tr>
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<td>2.7%</td>
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<td>4.7</td>
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<td>8.2</td>
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<td>3.6%</td>
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<td>1.6%</td>
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</table>

Source: MSCI, FactSet, J.P. Morgan Asset Management.

Note: Each valuation index shows an equally weighted composite of four metrics: price to forward earnings (Fwd. P/E), price to current book (P/B), price to last 12 months’ cash flow (P/CF) and price to last 12 months’ dividends normalized using means and average variability over the last 10 years. The grey bars represent valuation index variability relative to that of the All Country World Index (ACWI). See disclosures page at the end for metric definitions.

Data are as of 6/30/11.
# International Economic and Demographic Data

<table>
<thead>
<tr>
<th>Country</th>
<th>GDP USD (B$s)</th>
<th>GDP Per Capita</th>
<th>GDP Growth</th>
<th>Unempl. Rate</th>
<th>Inflation (CPI)</th>
<th>Population</th>
<th>Population Growth</th>
<th>Percent Age &gt;65</th>
<th>Median Age</th>
<th>Migration per 1000</th>
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<td>U.S.</td>
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<td>$47,200</td>
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<td>3.4%</td>
<td>313 mm</td>
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<td>4.1</td>
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<td>9.1</td>
<td>1,189</td>
<td>1.3</td>
<td>5.5</td>
<td>26.2</td>
<td>-0.1</td>
</tr>
</tbody>
</table>


All GDP Growth data are from J.P. Morgan Economics and expressed as % change versus prior quarter annualized with the exception of India, which is from the India Ministry of Statistics & Programme Implementation and represents % change versus a year ago. All GDP Growth data are for 1Q11. India unemployment is from CIA estimates and is as of 2010, and Italy unemployment is as of 12/31/10. CPI Inflation is shown as % change versus a year ago and all data are for 1Q11. Unemployment rate for developed countries refers to May 2011 and comes from FactSet Economics, Eurostat and Statistics Canada. Demographic data provided by CIA World Factbook at CIA.gov.

Data are as of 6/30/11.
### 10-year Sovereign Debt Interest Rates

<table>
<thead>
<tr>
<th>Country</th>
<th>Yields %</th>
</tr>
</thead>
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<td>Greece</td>
<td>15.9%</td>
</tr>
<tr>
<td>Portugal</td>
<td>11.5%</td>
</tr>
<tr>
<td>Ireland</td>
<td>11.8%</td>
</tr>
<tr>
<td>Spain</td>
<td>5.4%</td>
</tr>
<tr>
<td>Italy</td>
<td>4.9%</td>
</tr>
<tr>
<td>France</td>
<td>3.4%</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>3.4%</td>
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<tr>
<td>United States</td>
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<tr>
<td>Canada</td>
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<tr>
<td>Germany</td>
<td>3.0%</td>
</tr>
<tr>
<td>Japan</td>
<td>1.1%</td>
</tr>
</tbody>
</table>


The Structural Deficit represents what the deficit would be if the economy were operating at its potential. Net government debt is equal to gross government debt less government assets.

Data are as of 6/30/11.
Current Account Deficit and U.S. Dollar

**Current Account Balance, % of GDP**

- **Q4 2005:** -6.5%
- **Q1 2011:** -3.2%

**U.S. Dollar Index**

Nominal trade-weighted exchange index: major currencies

- **Mar. 2009:** 84.0
- **Mar. 2008:** 70.3
- **Jun. 2011:** 69.7

Source: BEA, FactSet, J.P. Morgan Asset Management.
Data are as of 6/30/11 and are reported quarterly.

Data are as of 6/30/11.
### Asset Class Returns

<table>
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<tr>
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<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011 YTD</th>
<th>2Q11</th>
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<tbody>
<tr>
<td>REITs</td>
<td>13.9%</td>
<td>23.9%</td>
<td>56.3%</td>
<td>31.6%</td>
<td>34.5%</td>
<td>35.1%</td>
<td>39.8%</td>
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<tr>
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<td>11.6%</td>
<td>1.1%</td>
<td>32.5%</td>
<td>26.9%</td>
<td>6.2%</td>
<td>2.3%</td>
</tr>
<tr>
<td>Barclays Agg</td>
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<td>37.1%</td>
<td>18.3%</td>
<td>12.2%</td>
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<td>28.0%</td>
<td>19.2%</td>
<td>6.0%</td>
<td>2.3%</td>
<td>178.0%</td>
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<td>28.7%</td>
<td>15.8%</td>
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<td>5.4%</td>
<td>1.1%</td>
<td>2.7%</td>
<td>11.0%</td>
<td>1.0%</td>
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<td>1.1%</td>
<td>12.7%</td>
<td>6.3%</td>
<td>1.0%</td>
<td>0.1%</td>
</tr>
<tr>
<td>S&amp;P 500</td>
<td>11.1%</td>
<td>15.2%</td>
<td>10.9%</td>
<td>8.0%</td>
<td>14.9%</td>
<td>22.5%</td>
<td>5.6%</td>
<td>2.7%</td>
<td>17.2%</td>
<td>1.3%</td>
<td>1.0%</td>
<td>47.1%</td>
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<td>DJ UBS Cmdty</td>
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<td>22.7%</td>
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<td>4.3%</td>
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<td>6.5%</td>
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<td>1.0%</td>
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<td>2.4%</td>
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<td>6.5%</td>
<td>15.7%</td>
<td>22.6%</td>
<td>6.7%</td>
<td>0.0%</td>
<td>15.1%</td>
</tr>
</tbody>
</table>

Source: Russell, MSCI, Dow Jones, Standard and Poor's, Credit Suisse, Barclays Capital, NAREIT, FactSet, J.P. Morgan Asset Management.

The “Asset Allocation” portfolio assumes the following weights: 25% in the S&P 500, 10% in the Russell 2000, 15% in the MSCI EAFE, 5% in the MSCI EMI, 30% in the Barclays Capital Aggregate, 5% in the CS/Tremont Equity Market Neutral Index, 5% in the DJ UBS Commodity Index and 5% in the NAREIT Equity REIT Index. Based portfolio assumes annual rebalancing. All data except commodities represent total return for stated period. Past performance is not indicative of future returns. Data are as of 6/30/11, except for the CS/Tremont Equity Market Neutral Index, which reflects data through 5/31/11. "10- yrs” returns represent cumulative total return and are not annualized. These returns reflect the period from 1/1/01 – 12/31/10. Please see disclosure page at end for index definitions. *Market Neutral returns include estimates found in disclosures. Data are as of 6/30/11.
## Correlations: 10-Years

<table>
<thead>
<tr>
<th>Asset Class</th>
<th>Large Cap</th>
<th>Small Cap</th>
<th>EAFE</th>
<th>EME</th>
<th>Core Bonds</th>
<th>Corp. HY</th>
<th>EMD</th>
<th>Cmdty.</th>
<th>REITs</th>
<th>Hedge Funds</th>
<th>Eq Market Neutral*</th>
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<td>0.91</td>
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<td>0.66</td>
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<td>0.72</td>
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<td></td>
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</tr>
<tr>
<td>Eq Market Neutral*</td>
<td>1.00</td>
<td></td>
<td></td>
<td>0.54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Standard & Poor’s, Russell, Barclays Capital Inc., MSCI Inc., Credit Suisse/Tremont, NCREIF, DJ UBS, J.P. Morgan Asset Management.

Indexes used – Large Cap: S&P 500 Index; Small Cap: Russell 2000; EAFE: MSCI EAFE; EME: MSCI Emerging Markets; Bonds: Barclays Capital Aggregate; Corp HY: Barclays Capital Corporate High Yield; EMD: Barclays Capital Emerging Market; Cmdty.: DJ UBS Commodity Index; Real Estate: NAREIT Equity REIT Index; Hedge Funds: CS/Tremont Multi-Strategy Index; Equity Market Neutral: CS/Tremont Equity Market Neutral Index. *Market Neutral returns include estimates found in disclosures.

All correlation coefficients calculated based on quarterly total return data for period 3/31/01 to 3/31/11.

This chart is for illustrative purposes only.
### Mutual Fund Flows

#### Billions, USD

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Equity</td>
<td>4,503</td>
<td>11</td>
<td>(96)</td>
<td>(39)</td>
<td>(152)</td>
<td>(48)</td>
<td>11</td>
<td>32</td>
<td>112</td>
<td>130</td>
<td>(23)</td>
<td>54</td>
<td>256</td>
<td>176</td>
</tr>
<tr>
<td>World Equity</td>
<td>1,612</td>
<td>25</td>
<td>59</td>
<td>31</td>
<td>(83)</td>
<td>138</td>
<td>148</td>
<td>104</td>
<td>66</td>
<td>22</td>
<td>(4)</td>
<td>(22)</td>
<td>53</td>
<td>11</td>
</tr>
<tr>
<td>Taxable Bond</td>
<td>2,287</td>
<td>74</td>
<td>230</td>
<td>307</td>
<td>19</td>
<td>98</td>
<td>46</td>
<td>3</td>
<td>39</td>
<td>124</td>
<td>76</td>
<td>(36)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Tax-exempt Bond</td>
<td>462</td>
<td>(23)</td>
<td>11</td>
<td>69</td>
<td>8</td>
<td>11</td>
<td>15</td>
<td>5</td>
<td>(14)</td>
<td>(7)</td>
<td>16</td>
<td>12</td>
<td>(14)</td>
<td>(12)</td>
</tr>
<tr>
<td>Hybrid</td>
<td>812</td>
<td>25</td>
<td>23</td>
<td>23</td>
<td>(18)</td>
<td>24</td>
<td>7</td>
<td>25</td>
<td>42</td>
<td>32</td>
<td>7</td>
<td>9</td>
<td>(31)</td>
<td>(14)</td>
</tr>
<tr>
<td>Money Market</td>
<td>2,727</td>
<td>(84)</td>
<td>(525)</td>
<td>(539)</td>
<td>637</td>
<td>654</td>
<td>245</td>
<td>62</td>
<td>(157)</td>
<td>(263)</td>
<td>(46)</td>
<td>375</td>
<td>159</td>
<td>194</td>
</tr>
</tbody>
</table>

#### U.S. Equity Fund Flows and Market Performance

*Billions USD, U.S. equity funds, quarterly*

- Equity Flows: S&P 500

#### Difference Between Flows Into Stock and Bond Funds

*Billions, USD, U.S. and international funds, monthly*

- Bond flows exceeded equity flows by $25 billion in May 2011


Data include flows through May 2011 and exclude ETFs. ICI data are subject to periodic revisions. World equity flows are inclusive of emerging market, global equity and regional equity flows. Hybrid flows include asset allocation, balanced fund, flexible portfolio and mixed income flows. Data are as of 6/30/11.
Dividend Income: Domestic and Global

S&P 500 Total Return: Dividends vs. Capital Appreciation
Average annualized returns

REIT Dividend Yields
Major world markets by capitalization

Equity Dividend Yields
Major world markets by capitalization

Source: (Top chart) Standard & Poor’s, Ibbotson, J.P. Morgan Asset Management. (Bottom left) FactSet, NAREIT, J.P. Morgan Asset Management. Yields shown are that of the appropriate FTSE NAREIT REIT index, which excludes property development companies. (Bottom right) FactSet, MSCI, J.P. Morgan Asset Management. Yields shown are that of the appropriate MSCI index.

Data are as of 6/30/11.
Global Commodities

Commodity Prices
Weekly index prices rebased to 100

Source: Dow Jones/UBS, FactSet, J.P. Morgan Asset Management.
Commodity prices represented by the appropriate DJ/UBS Commodity sub-index.
Data reflect most recently available as of 6/30/11.

Oil Demand: Emerging Markets Share
Emerging markets as % of total global oil consumption

Data are as of 6/30/11.

Grain Demand: Emerging vs. Developed Markets
Millions of metric tons

Source: Dow Jones/UBS, FactSet, J.P. Morgan Asset Management.
### Gold Prices

$ / oz

- **Gold**
- **Gold, Inflation adjusted**

<table>
<thead>
<tr>
<th>Year</th>
<th>Troy Ounces</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>83.3 mm</td>
<td>$23 bn</td>
</tr>
<tr>
<td>2001</td>
<td>83.6 mm</td>
<td>$23 bn</td>
</tr>
<tr>
<td>2002</td>
<td>82.0 mm</td>
<td>$25 bn</td>
</tr>
<tr>
<td>2003</td>
<td>81.7 mm</td>
<td>$30 bn</td>
</tr>
<tr>
<td>2004</td>
<td>77.8 mm</td>
<td>$32 bn</td>
</tr>
<tr>
<td>2005</td>
<td>79.4 mm</td>
<td>$35 bn</td>
</tr>
<tr>
<td>2006</td>
<td>76.2 mm</td>
<td>$46 bn</td>
</tr>
<tr>
<td>2007</td>
<td>75.9 mm</td>
<td>$53 bn</td>
</tr>
<tr>
<td>2008</td>
<td>73.6 mm</td>
<td>$64 bn</td>
</tr>
<tr>
<td>2009</td>
<td>78.8 mm</td>
<td>$77 bn</td>
</tr>
</tbody>
</table>

Source: (Left chart) EcoWin, BLS, U.S. Department of Energy, FactSet, J.P. Morgan Asset Management. (Right table) U.S. Geological Survey, World Gold Council, J.P. Morgan Asset Management. CPI adjusted gold values are calculated using month averages of gold spot prices divided by the CPI value for that month. CPI is rebased to 100 at the start of the chart. Data reflect most recently available as of 6/30/11.
Marginal and Average Tax Rates

### Average Maximum Tax Rate on Dividends and Capital Gains

<table>
<thead>
<tr>
<th>Decade</th>
<th>Dividends</th>
<th>Current</th>
<th>Capital Gains</th>
<th>Current</th>
<th>Ordinary Income</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>1930's</td>
<td>44.6%</td>
<td>15.0%</td>
<td>24.7%</td>
<td>15.0%</td>
<td>47.9%</td>
<td>35.0%</td>
</tr>
</tbody>
</table>

### Taxes Collected by the Government

Source: (Top) The Tax Foundation, J.P. Morgan Asset Management. Tax rates based on maximum U.S. individual income tax. (Bottom left) BEA, J.P. Morgan Asset Management. (Bottom right) The Tax Foundation, IRS, J.P. Morgan Asset Management. Personal taxes include taxes on income, personal property and payments for personal licenses (see NIPA tables 3.4 and 3.4u). Data through 2007 is latest available from IRS. Includes all returns with positive AGI. 2007 dollar cut-off/minimum AGI for tax return to fall into top 10%: $113,018; bottom 50%: $32,870. The only tax analyzed here is the federal individual income tax, which is responsible for about 25% of the nation's taxes paid. Data are as of 6/30/11.
## Historical Returns by Holding Period

### Range of Stock, Bond and Blended Total Returns

Annual total returns, 1950 – 2010

<table>
<thead>
<tr>
<th>Asset Class</th>
<th>Annual Avg. Total Return</th>
<th>Growth of $100,000 over 20 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stocks</td>
<td>10.9%</td>
<td>$792,519</td>
</tr>
<tr>
<td>Bonds</td>
<td>6.2%</td>
<td>$336,138</td>
</tr>
<tr>
<td>50/50 Portfolio</td>
<td>9.0%</td>
<td>$559,744</td>
</tr>
</tbody>
</table>

### Sources
- Barclays Capital
- FactSet
- Robert Shiller
- Strategas/Ibbotson
- Federal Reserve
- J.P. Morgan Asset Management

Data are as of 6/30/11.
Diversification and the Average Investor


Traditional Portfolio
- S&P 500: 55%
- MSCI EAFE: 15%
- Barclays Agg.: 30%

Return: 6.86%
Standard Deviation: 11.12%

More Diversified Portfolio
- Equity Mkt. Neutral: 8%
- Commodities: 8%
- REIT: 8%
- S&P 500: 26%
- MSCI EAFE: 13%
- MSCI EM: 9%
- REIT: 22%
- Barclays Agg.: 4%

Return: 7.92%
Standard Deviation: 9.99%


- REITS: 10.5%
- Oil: 8.0%
- S&P 500: 7.7%
- Gold: 7.2%
- Bonds: 6.1%
- EAFE: 4.7%
- Homes: 2.8%
- Average Investor: 2.6%
- Inflation: 2.4%

(Top) Indexes and weights of the traditional portfolio are as follows: U.S. stocks: 55% S&P 500, U.S. bonds: 30% Barclays Capital Aggregate. International stocks: 15% MSCI EAFE. Portfolio with 25% in alternatives is as follows: U.S. stocks: 22.1% S&P 500, 8.8% Russell 2000; International Stocks: 4.4% MSCI EM, 13.2% MSCI EAFE; U.S. Bonds: 26.5% Barclays Capital Aggregate; Alternatives: 8.3% CS/Tremont Equity Market Neutral, 8.3% DJ/UBS Commodities, 8.3% NAREIT Equity REIT Index. Return and standard deviation calculated using Zephyr. Charts are shown for illustrative purposes only. Past returns are no guarantee of future results. Diversification does not guarantee investment returns and does not eliminate risk of loss. Data are as of 6/30/11.

(Bottom) Indexes used are as follows: REITS: NAREIT Equity REIT Index, EAFE: MSCI EAFE, Oil: WTI Index, Bonds: Barclays Capital U.S. Aggregate Index, Homes: median sale price of existing single-family homes, Gold: USD/troy oz, Inflation: CPI. Average asset allocation investor return is based on an analysis by Dalbar Inc. which utilizes the net of aggregate mutual fund sales, redemptions and exchanges each month as a measure of investor behavior. Returns are annualized (and total return where applicable) and represent the 20-year period ending 6/30/11 to match Dalbar’s most recent analysis.
Market Comebacks: Bear Markets and Intra-year Declines

**Bear Market Returns vs. Subsequent Bull Market Returns**

*Dates reflect start date of bear market (complete list of bear and bull market dates/returns available on page 9)*

**Intra-year Declines vs. Calendar Year Returns**

*Despite average intra-year drops of 14.3%, annual returns positive in 24 of 31 years*

Source: Standard and Poor's, FactSet, J.P. Morgan Asset Management.

Returns are based on price index only and do not include dividends. (Top) Dates reflect year in which bear market began. Complete list of beginning and end dates of both bear and bull markets can be found on page 9 of the *Guide to the Markets*. Bear markets are defined as any decline in the S&P 500 Index level of 20% or greater. Bull markets are any period of market ascent that goes uninterrupted by a bear market. (Bottom) Intra-year drops refers to the largest market drops over periods of 6 months or less. For illustrative purposes only.

Data are as of 6/30/11.
## Alternative Investment Returns

### Hedge Funds (as of 3/31/11)

<table>
<thead>
<tr>
<th>Asset Class</th>
<th>1 year</th>
<th>3 year</th>
<th>5 year</th>
<th>10 year</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSFB/Tremont HF Index</td>
<td>10.9%</td>
<td>2.1%</td>
<td>6.4%</td>
<td>7.2%</td>
</tr>
<tr>
<td>Multi-Strategy</td>
<td>9.3%</td>
<td>1.3%</td>
<td>5.6%</td>
<td>6.9%</td>
</tr>
<tr>
<td>Distressed</td>
<td>10.3%</td>
<td>2.0%</td>
<td>5.8%</td>
<td>9.8%</td>
</tr>
<tr>
<td>Convertible Arbitrage</td>
<td>11.0%</td>
<td>3.8%</td>
<td>6.1%</td>
<td>6.0%</td>
</tr>
<tr>
<td>Equity Market Neutral*</td>
<td>-0.8%</td>
<td>1.4%</td>
<td>4.8%</td>
<td>6.1%</td>
</tr>
<tr>
<td>Risk Arbitrage**</td>
<td>3.2%</td>
<td>3.8%</td>
<td>5.6%</td>
<td>4.7%</td>
</tr>
<tr>
<td>Fixed Income Arbitrage**</td>
<td>12.5%</td>
<td>0.7%</td>
<td>2.9%</td>
<td>4.3%</td>
</tr>
<tr>
<td>Global Macro</td>
<td>13.5%</td>
<td>6.5%</td>
<td>10.0%</td>
<td>11.8%</td>
</tr>
</tbody>
</table>

### Real Estate (as of 3/31/11)

<table>
<thead>
<tr>
<th>Asset Class</th>
<th>1 year</th>
<th>3 year</th>
<th>5 year</th>
<th>10 year</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCREIF Property Index</td>
<td>13.1%</td>
<td>-4.2%</td>
<td>3.5%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Apartment</td>
<td>18.2%</td>
<td>-3.3%</td>
<td>2.9%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Industrial</td>
<td>9.4%</td>
<td>-5.4%</td>
<td>2.6%</td>
<td>6.8%</td>
</tr>
<tr>
<td>Office</td>
<td>11.7%</td>
<td>-5.7%</td>
<td>3.8%</td>
<td>6.4%</td>
</tr>
<tr>
<td>Retail</td>
<td>12.6%</td>
<td>-1.3%</td>
<td>4.3%</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

### Private Equity (as of 12/31/10)

<table>
<thead>
<tr>
<th>Asset Class</th>
<th>1 year</th>
<th>3 year</th>
<th>5 year</th>
<th>10 year</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Venture Capital Index</td>
<td>8.2%</td>
<td>-2.1%</td>
<td>4.3%</td>
<td>-4.6%</td>
</tr>
<tr>
<td>U.S. Private Equity Index</td>
<td>17.7%</td>
<td>1.3%</td>
<td>9.1%</td>
<td>8.1%</td>
</tr>
</tbody>
</table>

Source: Cambridge Associates LLC, NCREIF, CS/Tremont, J.P. Morgan Asset Management. Cambridge PE and VC data provided at no charge. Other indexes shown are unmanaged and are for illustrative purposes only. Past performance is no guarantee of future results. Returns for all periods are as of 3/31/11 with the exception of Private Equity and Venture Capital returns, which are as of 12/31/10. All returns are annualized for periods greater than 1 year. Investing in alternative assets involves higher risks than traditional investments and is suitable only for the long term. They may not be tax efficient and have higher fees than traditional investments. They may also be highly leveraged and engage in speculative investment techniques, which can magnify the potential for investment loss or gain.

*Market Neutral returns include estimates found in disclosures.

**Arbitrage is the simultaneous purchase and sale of an asset in order to profit from a difference in the price.

Data are as of 6/30/11.
Cash Accounts

Annual Income Generated by $100,000 Investment in a 6-month CD

2006: $5,240
2010: $440

Money Supply Component

<table>
<thead>
<tr>
<th>Component</th>
<th>$ Billions</th>
<th>Weight in Money Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2- M1</td>
<td>7,066</td>
<td>74.0%</td>
</tr>
<tr>
<td>Retail MMMFs</td>
<td>687</td>
<td>7.2%</td>
</tr>
<tr>
<td>Savings deposits</td>
<td>5,530</td>
<td>57.9%</td>
</tr>
<tr>
<td>Small time deposits</td>
<td>848</td>
<td>8.9%</td>
</tr>
<tr>
<td>Institutional MMMFs</td>
<td>1,881</td>
<td>19.7%</td>
</tr>
<tr>
<td>Cash in IRA &amp; Keogh accounts</td>
<td>598</td>
<td>6.3%</td>
</tr>
<tr>
<td>Total</td>
<td>9,545</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Asset Class

Cash as a % of Total Household Financial Assets

Source: Federal Reserve, St. Louis Fed, Bankrate.com, J.P. Morgan Asset Management. All cash measures obtained from the Federal Reserve are seasonally adjusted monthly numbers. All numbers are in billions of U.S. dollars.
Small-denomination time deposits are those issued in amounts of less than $100,000. All IRA and Keogh account balances at commercial banks and thrift institutions are subtracted from small time deposits.
Annual income is for illustrative purposes and is calculated based on the 6-month CD yield on average during each year and $100,000 invested.
IRA and Keogh account balances at money market mutual funds are subtracted from retail money funds.
Past performance is not indicative of comparable future results.
Data are as of 6/30/11.
Corporate DB Plans and Endowments

Asset Allocation: Corporate DB Plans vs. Endowments

- **Endowments**
  - Equities: 32.0%
  - Fixed Income: 13.0%
  - Hedge Funds: 2.7%
  - Private Equity: 10.7%
  - Real Estate: 6.1%
  - Other: 4.1%
  - Cash: 4.0%

- **Corporate Defined Benefit Plans**
  - Equities: 45.3%
  - Fixed Income: 35.5%
  - Hedge Funds: 21.9%

Defined Benefit Plans – Funded Status: S&P 500 companies

- **Overfunded**
  - 1999: 78%
  - 2010: 92%

- **Underfunded**
  - 1999: 22%
  - 2010: 8%

Pension Return Assumptions: S&P 500 companies

- **1999: Average 9.2%**
  - <7%: 2%
  - 7 to 7.5%: 16%
  - 7.5 to 8%: 16%
  - 8 to 8.5%: 33%
  - 8.5 to 9%: 27%
  - 9 to 9.5%: 27%
  - 9.5 to 10%: 29%

- **2010: Average 7.4%**
  - <7%: 0%
  - 7 to 7.5%: 20%
  - 7.5 to 8%: 7%
  - 8 to 8.5%: 0%
  - 8.5 to 9%: 0%
  - 9 to 9.5%: 0%
  - 9.5 to 10%: 0%
  - >10%: 0%

Source: NACUBO (National Association of College and University Business Officers), Towers Watson, Compustat/FactSet, J.P. Morgan Asset Management. Endowments represents dollar-weighted average data of 842 colleges and universities. Pension Return Assumptions based on all available and reported data from S&P 500 Index companies. Funded Status based on 351 companies reporting pension funding status as of 3/31/11. Return assumption bands are inclusive of upper range. All information is shown for illustrative purposes only. Data are as of 12/31/10.
The Dow Jones Industrial Average Since 1900

Dow Jones Industrial Index, Price Return (Since 1900)

Source: IDC, FactSet, J.P. Morgan Asset Management.
Data shown in log scale to best illustrate long-term index patterns.
Past performance is not indicative of future returns. Chart is for illustrative purposes only.
Data are as of 6/30/11.
All indexes are unmanaged and an individual cannot invest directly in an index. Index returns do not include fees or expenses.

The S&P 500® Index is widely regarded as the best single gauge of the U.S. equities market. This world-renowned index includes a representative sample of 500 leading companies in leading industries of the U.S. economy. Although the S&P 500® Index focuses on the large-cap segment of the market, with approximately 75% coverage of U.S. equities, it is also an ideal proxy for the total market. An investor cannot invest directly in an index.

The Russell 1000® Index measures the performance of the 1,000 largest U.S. companies based on total market capitalization. The Russell 2000® Index measures the performance of the 2,000 smallest companies in the Russell 3000. The Russell Midcap® Index measures the performance of the 800 smallest companies in the Russell 1000 Index.

The Russell 1000 Growth Index® measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values. The Russell 2000 Growth Index® measures the performance of those Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

The Russell Midcap Growth Index® measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The Russell Midcap Value Index® measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values.


The MSCI® EAFE (Europe, Australia, Far East) Net Index is recognized as the pre-eminent benchmark in the United States to measure international equity performance. It comprises 21 MSCI country indexes, representing the developed markets outside of North America.

The MSCI Emerging Markets Index® is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. As of June 2007, the MSCI Emerging Markets Index consisted of the following 25 emerging market country indexes: Argentina, Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Israel, Jordan, Korea, Malaysia, Mexico, Morocco, Pakistan, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey.

The MSCI ACWI (All Country World Index) Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. As of June 2009 the MSCI ACWI consisted of 45 country indices comprising 23 developed and 22 emerging market country indices.

The MSCI Small Cap Indices target 40% of the eligible Small Cap universe within each industry group, within each country. MSCI defines the Small Cap universe as all listed securities that have a market capitalization in the range of USD200-1,500 million.

The MSCI Value and Growth Indices cover the full range of developed, emerging and All Country MSCI Equity indexes. As of the close of May 30, 2003, MSCI implemented an enhanced methodology for the MSCI Global Value and Growth Indices, adopting a two dimensional framework for style segmentation in which value and growth securities are categorized using different attributes - three for value and five for growth including forward-looking variables. The objective of the index design is to divide constituents of an underlying MSCI Standard Country Index into a value index and a growth index, each targeting 50% of the free float adjusted market capitalization of the underlying country index. Country Value/Growth indices are then aggregated into regional Value/Growth indices. Prior to May 30, 2003, the indices used Price/Book Value (P/BV) ratios to divide the standard MSCI country indices into value and growth indices. All securities were classified as either “value” securities (low P/BV securities) or “growth” securities (high P/BV securities), relative to each MSCI country index.

The following MSCI Total Return Indices are calculated with gross dividends: This series approximates the maximum possible dividend reinvestment. The amount reinvested is the dividend distributed to individuals resident in the country of the company, but does not include tax credits.

The MSCI Europe Index® is a free float-adjusted market capitalization index that is designed to measure developed market equity performance in Europe. As of June 2007, the MSCI Europe Index consisted of the following 16 developed market country indices: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

The MSCI Pacific Index® is a free float-adjusted market capitalization index that is designed to measure equity market performance in the Pacific region. As of June 2007, the MSCI Pacific Index consisted of the following 5 Developed Market countries: Australia, Hong Kong, Japan, New Zealand, and Singapore.

Credit Suisse/Tremont Hedge Fund Index is compiled by Credit Suisse Tremont Index, LLC. It is an asset-weighted hedge fund index and includes only funds, as opposed to separate accounts. The Index uses the Credit Suisse/Tremont database, which tracks over 4500 funds, and consists only of funds with a minimum of US$50 million under management, a 12-month track record, and audited financial statements. It is calculated and rebalanced on a monthly basis, and shown net of all performance fees and expenses. It is the exclusive property of Credit Suisse Tremont Index, LLC.

The NCREIF Property Index is a quarterly time series composite total rate of return measure of investment performance of a very large pool of individual commercial real estate properties acquired in the private market for investment purposes only. All properties in the NPI have been acquired, at least in part, on behalf of tax-exempt institutional investors - the great majority being pension funds. As such, all properties are held in a fiduciary environment.

The NAREIT EQUITY REIT Index is designed to provide the most comprehensive assessment of overall industry performance, and includes all tax-qualified real estate investment trusts (REITs) that are listed on the NYSE, the American Stock Exchange or the NASDAQ National Market List.
J.P. Morgan Asset Management - Index Definitions

All indexes are unmanaged and an individual cannot invest directly in an index. Index returns do not include fees or expenses.

The Dow Jones-UBS Commodity Index is composed of futures contracts on physical commodities and represents nineteen separate commodities traded on U.S. exchanges, with the exception of aluminum, nickel, and zinc.

The S&P GSCI Index is a composite index of commodity sector returns representing an unleveraged, long-only investment in commodity futures that is broadly diversified across the spectrum of commodities. The returns are calculated on a fully collateralized basis with full reinvestment. Individual components qualify for inclusion in the index on the basis of liquidity and are weighted by their respective world production quantities.

The Barclays Capital U.S. Aggregate Index represents securities that are SEC-registered, taxable, and dollar-denominated. The index covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indexes that are calculated and reported on a regular basis. This U.S. Treasury Index is a component of the U.S. Government index.

West Texas Intermediate (WTI) is the underlying commodity for the New York Merchandise Exchange's oil futures contracts.

The Barclays Capital High Yield Index covers the universe of fixed rate, non-investment grade debt. Pay-in-kind (PIK) bonds, Eurobonds, and debt issues from countries designated as emerging markets (e.g., Argentina, Brazil, Venezuela, etc.) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included. Original issue zeroes, step-up coupon structures, and 144-A's are also included.

The Barclays Capital 1-3 Month U.S. Treasury Bill Index includes all publicly issued zero-coupon U.S. Treasury Bills that have a remaining maturity of less than 3 months and more than 1 month, are rated investment grade, and have $250 million or more of outstanding face value. In addition, the securities must be denominated in U.S. dollars and must be fixed rate and non-convertible.

The Barclays Capital General Obligation Bond Index is a component of the Barclays Capital Municipal Bond Index. To be included in the index, bonds must be general obligation bonds rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least $75 million and be issued as part of a transaction of at least $75 million. The bonds must be fixed rate, have a dated-date after December 31, 1990, and must be at least one year from their maturity date. Remarketed issues, taxable municipal bonds, bonds with floating rates, and derivatives are excluded from the benchmark.

The Barclays Capital Revenue Bond Index is a component of the Barclays Capital Municipal Bond Index. To be included in the index, bonds must be revenue bonds rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least $7 million and be issued as part of a transaction of at least $75 million. The bonds must be fixed rate, have a dated-date after December 31, 1990, and must be at least one year from their maturity date. Remarketed issues, taxable municipal bonds, bonds with floating rates, and derivatives, are excluded from the benchmark.

The Barclays High Yield Municipal Index includes bonds rated Ba1 or lower or non-rated bonds using the middle rating of Moody's, S&P and Fitch.

The Barclays Capital Taxable Municipal Bond Index is a rules-based, market-value weighted index engineered for the long-term taxable bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies if all three rate the bond: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least $7 million and be issued as part of a transaction of at least $75 million. The bonds must be fixed rate and must be at least one year from their maturity date. Remarketed issues (unless converted to fixed rate), bonds with floating rates, and derivatives, are excluded from the benchmark.

Municipal Bond Index: To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least $7 million and be issued as part of a transaction of at least $75 million. The bonds must be fixed rate, have a dated-date after December 31, 1990, and must be at least one year from their maturity date. Remarketed issues, taxable municipal bonds, bonds with floating rates, and derivatives are excluded from the benchmark.

The Barclays Capital Emerging Markets Index includes USD-denominated debt from emerging markets in the following regions: Americas, Europe, Middle East, Africa, and Asia. As with other fixed income benchmarks provided by Barclays Capital, the index is rules-based, which allows for an unbiased view of the marketplace and easy replicability.

The Barclays Capital MBS Index covers the mortgage-backed pass-through securities of Ginnie Mae, Fannie Mae, and Freddie Mac. Aggregate components must have a weighted average maturity of at least one year, must have $250 million par amount outstanding, and must be fixed rate mortgages.

The Barclays Capital Corporate Bond Index is the Corporate component of the U.S. Credit index.

The Barclays Capital TIPS Index consists of Inflation-Protection securities issued by the U.S. Treasury.

The J.P. Morgan EMBI Global Index includes U.S. dollar denominated Brady bonds, Eurobonds, traded loans and local market debt instruments issued by sovereign and quasi-sovereign entities.

The J.P. Morgan Domestic High Yield Index is designed to mirror the investable universe of the U.S. dollar domestic high yield corporate debt market.

The CS/Tremont Equity Market Neutral Index takes both long and short positions in stocks with the aim of minimizing exposure to the systematic risk of the market (i.e., a beta of zero).

The CS/Tremont Multi-Strategy Index consists of funds that allocate capital based on perceived opportunities among several hedge fund strategies. Strategies adopted in a multi-strategy fund may include, but are not limited to, convertible bond arbitrage, equity long/short, statistical arbitrage and merger arbitrage.

*Market Neutral returns for November 2008 are estimates by J.P. Morgan Funds Market Strategy, and are based on a December 8, 2008 published estimate for November returns by CS/Tremont in which the Market Neutral returns were estimated to be +0.85% (with 69% of all CS/Tremont constituents having reported return data). Presumed to be excluded from the November return are three funds, which were later marked to $0 by CS/Tremont in connection with the Bernard Madoff scandal. J.P. Morgan Funds believes this distortion is not an accurate representation of returns in the category. CS/Tremont later published a finalized November return of -40.56% for the month, reflecting this mark-down. CS/Tremont assumes no responsibility for these estimates.
Past performance is no guarantee of comparable future results.

Diversification does not guarantee investment returns and does not eliminate the risk of loss.

Derivatives may be riskier than other types of investments because they may be more sensitive to changes in economic or market conditions than other types of investments and could result in losses that significantly exceed the original investment. The use of derivatives may not be successful, resulting in investment losses, and the cost of such strategies may reduce investment returns.

Price to forward earnings is a measure of the price-to-earnings ratio (P/E) using forecasted earnings. Price to book value compares a stock’s market value to its book value. Price to cash flow is a measure of the market’s expectations of a firm’s future financial health.

Price to dividends is the ratio of the price of a share on a stock exchange to the dividends per share paid in the previous year, used as a measure of a company’s potential as an investment.

There is no guarantee that the use of long and short positions will succeed in limiting an investor’s exposure to domestic stock market movements, capitalization, sector swings or other risk factors. Investing using long and short selling strategies may have higher portfolio turnover rates. Short selling involves certain risks, including additional costs associated with covering short positions and a possibility of unlimited loss on certain short sale positions.

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Unless otherwise stated, all data are as of June 30, 2011 or most recently available.


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