

Flight to Safety and U.S. Treasury Securities

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Government debt of the United States is typically issued in the form of U.S. Treasury securities. These securities—simply called Treasuries—are widely regarded to be the safest investments because they lack significant default risk. Therefore, it is no surprise that investors turn to U.S. Treasuries during times of increased uncertainty as a safe haven for their investments. This happened once again during the recent financial crisis. In fact, the increase in the demand for Treasuries was sufficiently large so that prices actually rose with an increase in the supply of government securities.

Supply of Government Securities

In the latter half of 2008, the Treasury auctioned a large amount of securities to cover the cost of the Emergency Economic Stabilization Act.¹ After the act was passed, holdings of U.S. marketable Treasury securities continued to increase over the next year and a half, from \$4.9 trillion in August 2008 to \$7.4 trillion in February 2010. Figure 1 shows the levels of short- and long-term securities outstanding from 2006 to 2009.

Short-term securities are also known as Treasury bills; they have maturity dates of less than a year.² In August 2008, approximately \$1.2 trillion in T-bills was outstanding. By November 2008, that number had almost doubled, to about \$2 trillion in outstanding short-term debt.

Long-term Treasury securities, which include Treasury notes, Treasury bonds and Treasury Inflation Protected Securities (TIPS), are defined as having a maturity date of over a year.³ Before the onset of the current financial crisis, there was a slight upward trend in the volume of these securities. Since October 2008, there has been a significantly large upward surge in the amount of T-notes

issued, while the level of TIPS and T-bonds has remained relatively unchanged.

In sum, financial markets have witnessed a significant increase in the supply of Treasuries (level of debt issued by the government) in recent times (Figure 1).

Interest Rate Response

Interest rate activity after the mortgage crisis of 2007 also seems to provide evidence that would suggest that investors found safety in U.S. Treasuries, especially T-bills. Figure 2 shows the yields on the three-month and 10-year Treasuries, as well as those on Moody's Aaa and Baa corporate bonds.⁴ Corporate bonds carry a risk that the corporation issuing this debt security will default on its obligations. For taking this relatively higher risk, investors are rewarded with a higher yield than they would get if they had invested in long-term Treasuries. As seen in Figure 2, there was no significant change in this difference of yields (spread) before the onset of the current financial crisis.

However, when the mortgage market began to slide in August 2007, yields on short-term Treasuries fell sharply. Although the supply of Treasuries was relatively constant in the second half of 2007 and the first half of 2008, yields on both short-term and long-term government securities continued to fall. The larger decline in the short-term Treasuries reflects the greater demand for liquidity during this period as investors were increasingly reluctant to buy longer-term assets. The uncertainty in the mortgage market also encouraged investors to switch from other debt instruments, such as mortgage-backed securities, into government securities. All this while, changes in the yields on corporate bonds were smaller because investors believed that the increased

credit risk was primarily concentrated in the mortgage market.

Nonetheless, the collapse of Lehman Brothers on Sept. 15, 2008, signaled the beginning of a financial panic. Increased selling pressure by panic-stricken investors lowered prices and raised yields on corporate bonds (Figure 2). At the same time, investors increased their demand for safer assets, namely U.S. Treasuries, and this led to a further decline in the yields on U.S. Treasuries. Yields on short-term U.S. securities decreased sharply to near zero in November (Figure 2). However, the movement in long-term Treasury yields was sluggish—hovering about 4 percent before falling to about 2 percent in December 2008. In part, this later decline was also prompted by the Federal Reserve's measures to buy long-term Treasuries under its large-scale asset purchase programs.

In summary, there has been a large expansion in the amount of Treasury security offerings while yields on Treasuries have actually declined. Stated differently, the prices on Treasury securities have actually increased in the face of a rapidly expanding supply of these securities. This anomalous behavior in the market for Treasuries can be explained by a significant increase in the demand for Treasuries—"the flight to safety" in the event of a financial crisis. Evidently, the effect of the increase in the supply of securities in government auctions was more than offset by the increase in investors' demands for safer investments.

Who Holds This Debt?

Figure 3 shows the quarterly flow of funds data on the holdings of U.S. Treasuries by various sectors of the economy. Prior to the crisis, the proportion of Treasury securities held by each sector of the economy was

FIGURE 1

Levels of U.S. Treasuries Outstanding

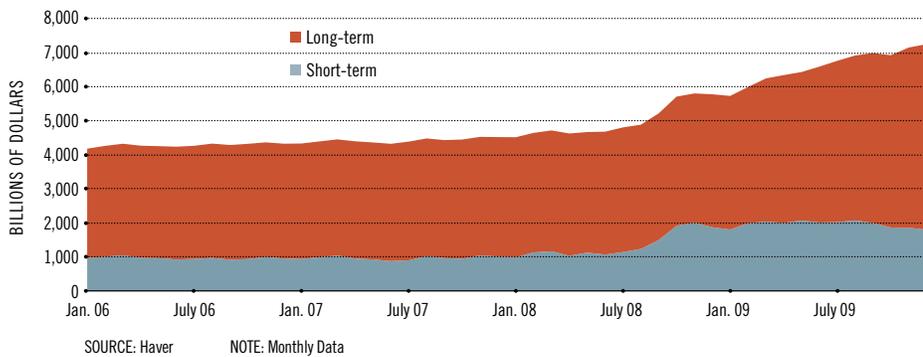


FIGURE 2

Selected Yields

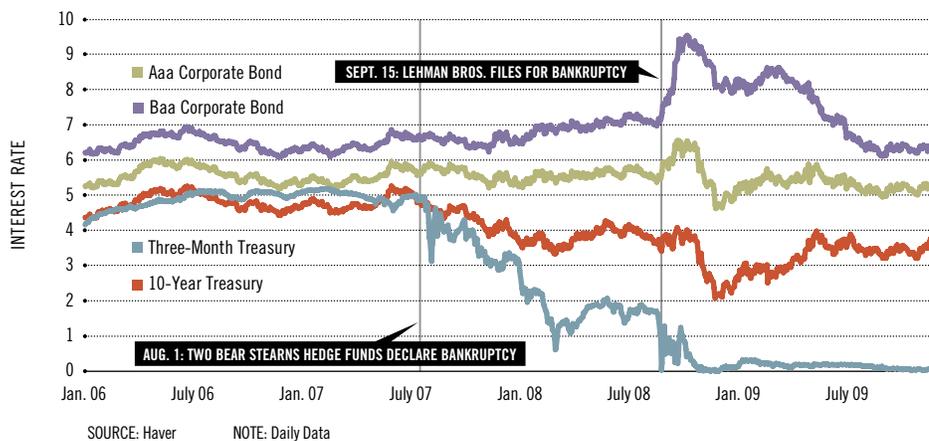
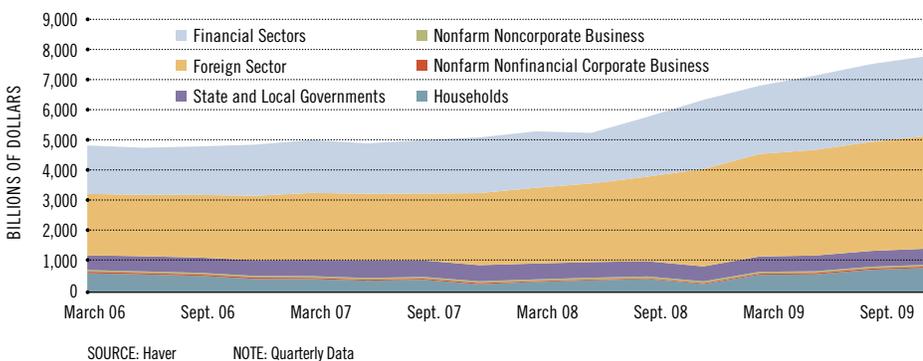


FIGURE 3

Holder of U.S. Debt



roughly unchanged over the early part of this decade. The largest shares of available Treasury securities have been held by the domestic financial sector and the rest of the world. Post-crisis, these two sectors saw the most dramatic increases in their share of Treasury securities holdings. Interestingly, it seems that although the U.S. was at the epicenter of the financial crisis, both foreign and domestic investors still sought the safety of U.S. government debt instruments. These data

present evidence in support of the hypothesis that investors see U.S. Treasuries as relatively risk-free. However, it will be interesting to see how investors view U.S. securities in the future as debt levels continue to rise. [Q](#)

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ENDNOTES

- ¹ The Emergency Economic Stabilization Act was passed Oct. 3, 2008. It was a \$700 billion program aimed at getting bad assets off the books of firms in the U.S. financial sector.
- ² Treasury bills (T-bills) have maturities of about a month, three months, six months or a year. These are generally auctioned by the Treasury once a week.
- ³ Treasury bonds (T-bonds) have maturities from 20 to 30 years. Treasury notes (T-notes) have maturities that range between one and 10 years. TIPS have maturities between five and 30 years. The Treasury has various auctions of these securities throughout the year.
- ⁴ The yield (to maturity) is defined as the interest rate that makes the present value of a bond's payments equal to its price. Therefore, the higher the price on the bond, the lower is its yield.