

# US Debts

## Debt ceiling and the impact of an interest rate hike

MACRO | STRATEGY | US TREASURY

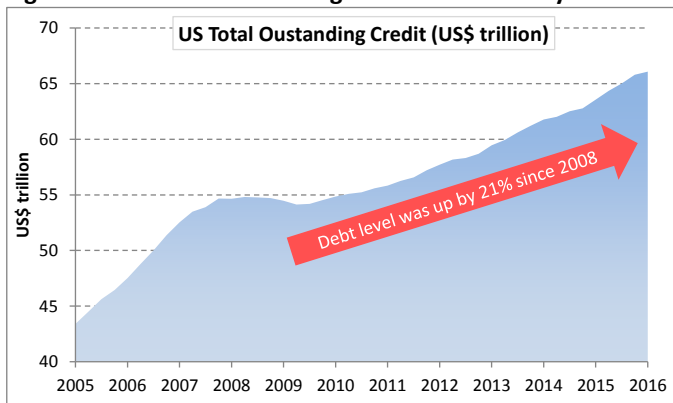
28 March 2017

### Background of U.S. Debt

The United States of America (U.S.) holds the largest amount of debt in the world. This should not be a surprise since U.S. is also the country with the largest Gross Domestic Product (GDP). However, what is startling is its rate of growth of its debt as compared to its GDP growth.

Since the Global Financial Crisis (GFC), U.S. as a country have not deleveraged as most of us would have expected. In fact total outstanding credit have increased by c21% from the high of US\$55 trillion in 2008, to US\$66 trillion at the end of 2016. During the same period of time, U.S. real GDP grew a little over 15%.

Figure 1: US Total Outstanding Credit ballooned by 21% since 2008

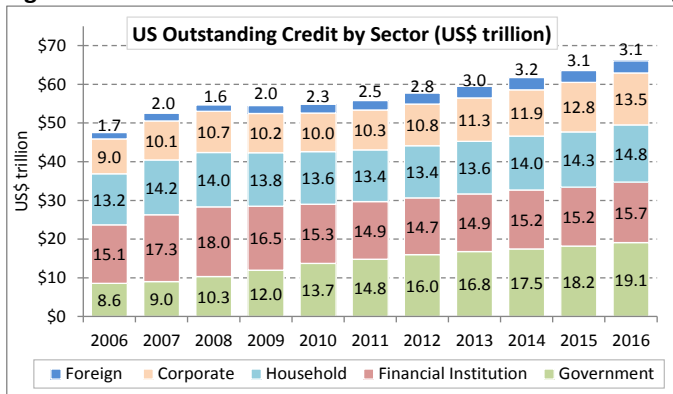


Source: U.S. Federal Reserve

### U.S. Government taking up the credit binge

To have a better understanding of the debt growth, we breakdown the total outstanding credit by sectors. The main sectors are government, financial institutions, corporates, household and foreign. Looking at the breakdown of the debt, it is clear that the U.S. Government took on a huge amount of debt after 2008. At the end of 2008, the U.S. Government held an approximate 19% of the total credit outstanding. However by the end of 2016, the U.S. Government accounts for approximately 29% of the total credit.

Figure 2: US Government overtook financial sector as the largest debtor



Source: U.S. Federal Reserve, PSR

### Tradeable Instrument

#### Securities:

- GLD US\$ ETF (SGX:087)

#### Unit Trust:

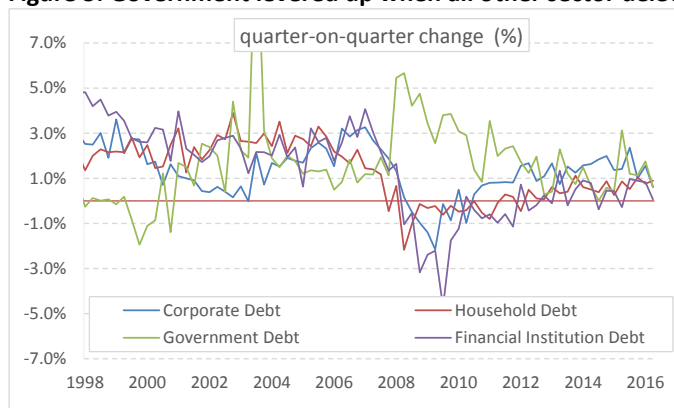
- UOB United Gold & Gen Fd
- FTIF Franklin Gold and Precious Metals Fd A (Acc) SGD
- Deutsche Noor Precious Metals Securities Fund Class J - SGD
- Deutsche Noor Precious Metals Securities Fund Class A - USD
- BlackRock World Gold H A2 EUR (LU0326422689)
- BlackRock World Gold Fd A2 (Acc) USD (LU0055631609)
- BlackRock World Gold Fd A2 (Acc) SGD H (LU0368265764)
- Schroder ISF Glb Gold Fd A Acc USD
- Schroder ISF Glb Gold Fd A Acc SGD Hedged
- BlackRock World Gold A2 EUR (LU0171305526)

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The increase in U.S. Government debt was largely due to the huge amount of funding needed to stabilised the economy during the aftermath of GFC. At the depth of GFC, the liquidity crunch within the financial system has forced household, corporates and financial sectors to deleverage. In order to maintain the integrity of the financial system and prevent the economy from going into a depression, the U.S. Treasury department, together with the Federal Reserve (Fed), took extra-ordinary measure to inject liquidity into the system via Quantitative Easing (QE).

In Figure 3, which shows the quarter-on-quarter changes in outstanding debt, depict clearly that as household, corporate and financial institutions deleveraged in late 2008, U.S. Government increase their outstanding debt by issuing more U.S. Treasuries.

**Figure 3: Government levered up when all other sector deleveraged**

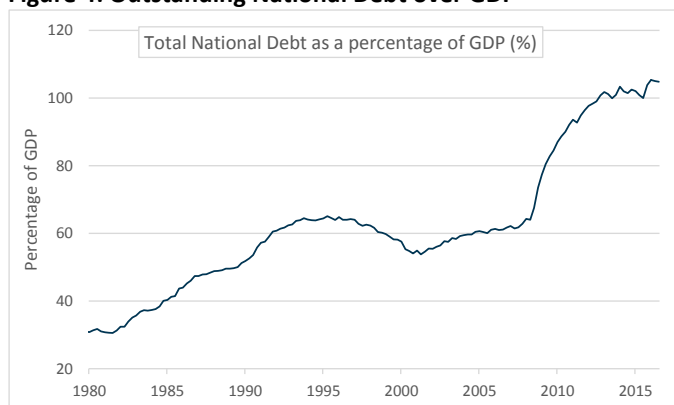


Source: U.S. Federal Reserve, PSR

**U.S. National Debt Growth**

U.S. Government debt, also referred to as the National Debt grew to US\$19.9 trillion as at 15 March 2017. This brings the national debt over GDP to well over 105%. The U.S government has never been this leveraged before.

**Figure 4: Outstanding National Debt over GDP**



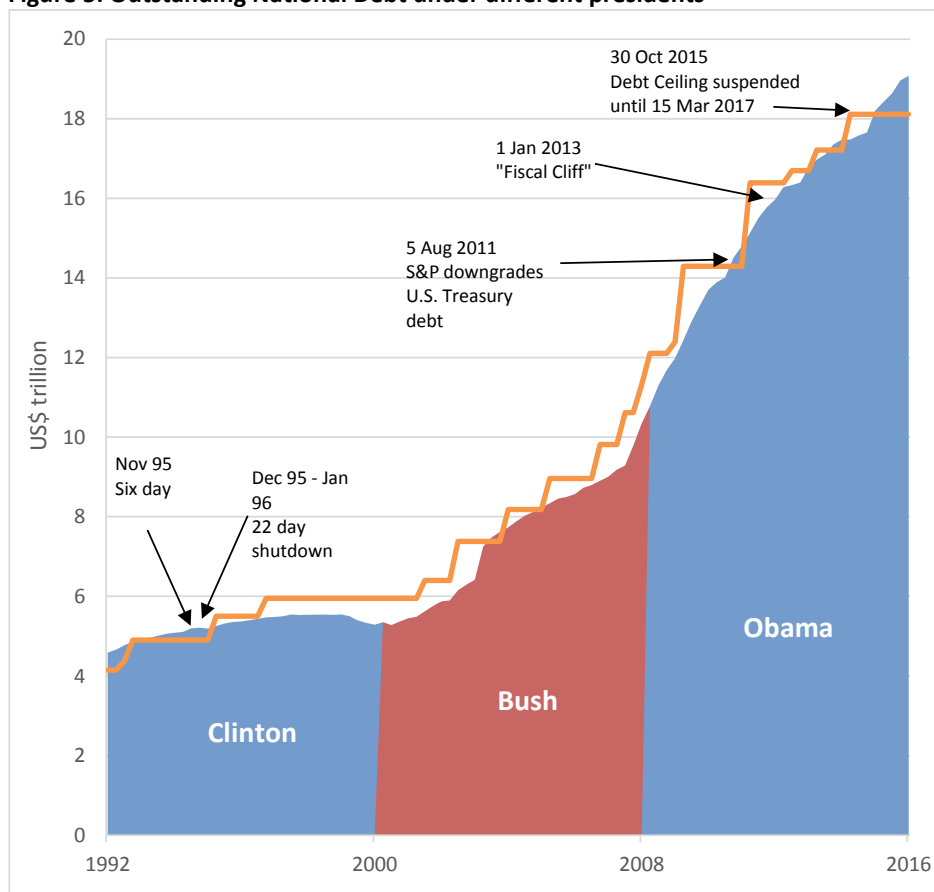
Source: St Louis Federal Reserve

### U.S. Debt Ceiling

Under the eight years of Obama's administration, the nation debt grew 69% from US\$11.3 trillion. During the eight years, Obama struggled to pull-off any meaning bipartisan agreement with regards to the national debt. Without a full control of the government by Democratic Party, Obama and his administration was constantly at the losing end of any debt negotiation. His regime oversaw the downgrade of U.S. Treasuries by S&P in August 2011 and a Fiscal Impasse in January 2013. This ultimately led to the government shutting down for 16 days between the period of 1 October to 16 October 2013.

A bipartisan agreement was final passed by congress in November 2015. The **Bipartisan Budget Act of 2015** will essentially suspend the debt ceiling through till 15 March 2017. On 16 March 2017 the limit will reset to reflect the cumulative borrowing as of then. The new ceiling is estimated to be at US\$ 19.85 trillion.

**Figure 5: Outstanding National Debt under different presidents**



Source: US Federal Reserve, PSR

### Current Situation

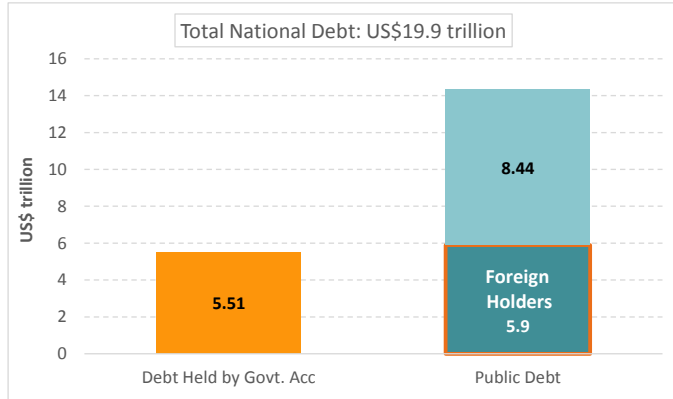
Earlier in March 2017, U.S. Secretary of Treasury, Steven Mnuchin, addressed a letter to Congress, on the event and actions related to the debt limit. In the letter, the secretary announce the use of extraordinary measures to temporarily prevent the United States from defaulting on its obligations. Additional extraordinary measures will be taken until the debt limit is either raised or suspended.

According to the Congressional Budget Office (CBO), the measures are projected to be exhausted in the Fall of 2017 (September to November), though an earlier or later date is possible.

**Default Risk**

In the event of default, the repercussion will be huge as U.S. Treasuries are one of the most widely held securities in the world. 41% of the US treasuries available to the public are held by foreign investors.

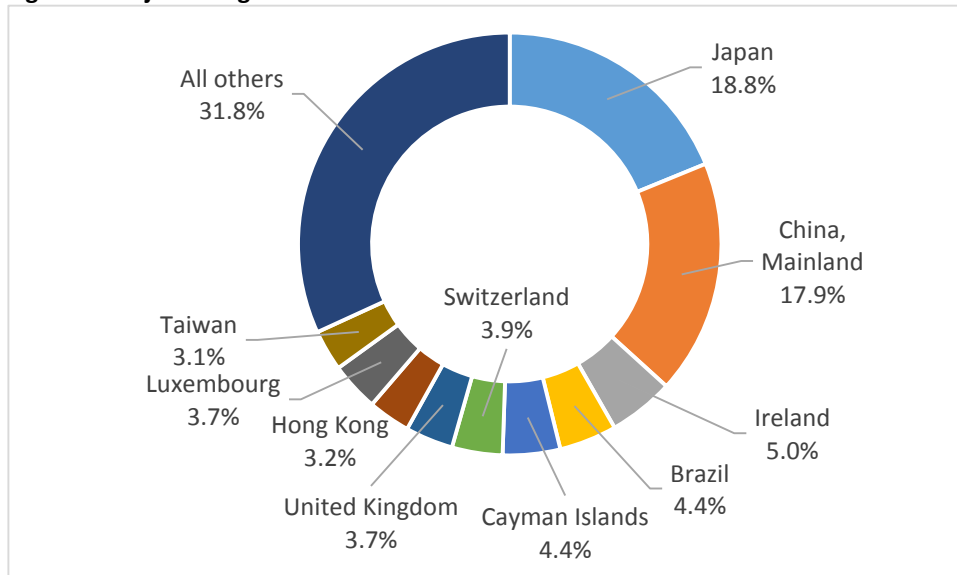
**Figure 6: US\$14.4 trillion of public debt is at risk in the event of a default**



Source: U.S. Treasury Department

As at end of January 2017, Japan is the largest foreign holder of U.S. Treasuries surpassing China, which has tapered their holding of U.S. Treasuries since the start of 2016.

**Figure 7: Major Foreign Holders of U.S. Treasuries**



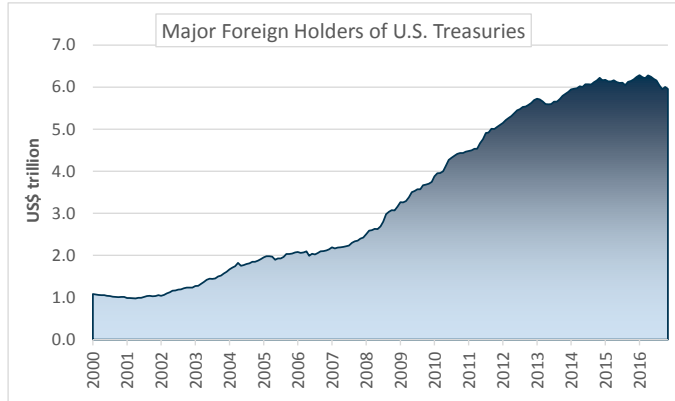
Source: U.S. Treasury Department

**Trend of Major Foreign Holders of Treasuries**

A study of the major foreign holders shows a significant change in the trend for the foreign holders. Debt held by foreigner peaked in March 2016 at US\$ 6.3 trillion and has decrease since then.

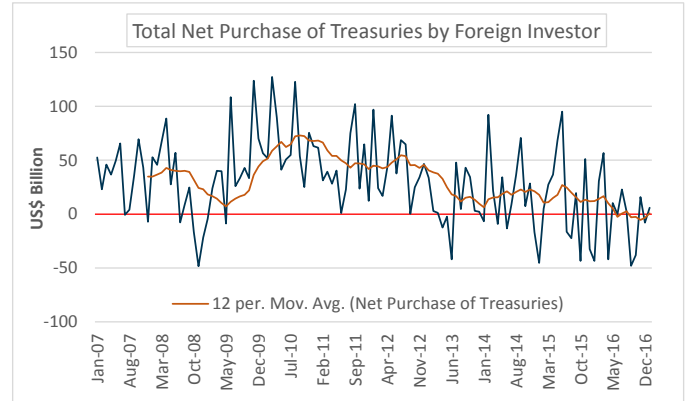
Net purchase of U.S. Treasuries also reinforced the notion that foreign holders are decreasing their holding of U.S. debts. We interpret this as a weakening confidence of the U.S. credibility by foreign investors.

**Figure 8: Major Foreign Holders of U.S. Treasuries has plateaued**



Source: U.S. Treasury Department

**Figure 9: Net Purchase has been trending down**



Source: U.S. Treasury Department

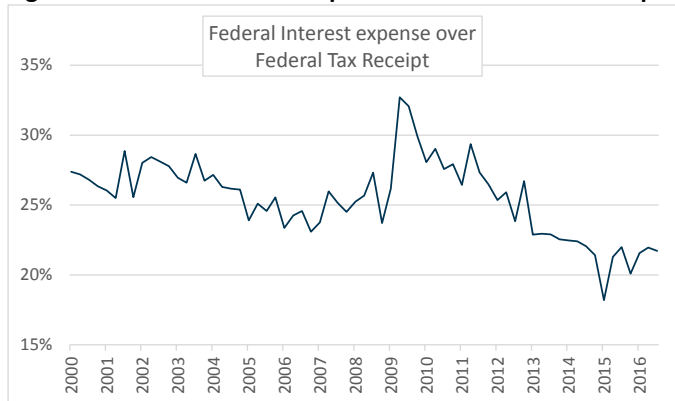
**Impact of Federal Reserve Rate Hike**

To further complicate the situation, the Fed raise its targeted interest rate by another 0.25 percentage point to 1 percent on 15 March 2017. This was the second consecutive rate hike since December 2016 and we believe that the Fed will stick to the rate hike cycle as we discussed in an [earlier report](#).

The rate hike in March was considered a “dovish” hike as the Fed reiterate their view of just two more rate hikes this year. This is contrarian to the view of the market as most participants was expecting more than two hikes.

As with all debts, an increase in increase rate will put pressure on the interest expense burden of the U.S. Government. Although current interest expense is only at 22% of tax receipt, we could see the downward trend reversing after reaching a low in 2015. This is consistent with the Fed first interest rate increase in 2015. As we expect the interest rate to continue increasing, interest expense as a percentage of tax receipt will continue to increase as well.

**Figure 10: Federal Interest expense over Federal tax receipt**



Source: St Louis Federal Reserve

### Conclusion

The United States is currently at an unprecedented level of debt. In rising interest rate environment, U.S. government will feel the pressure on its interest payment. However, a default at this point is unlikely as the ratio of interest payment to tax receipts is still at a sustainable level of 22%.

As long as the U.S. Treasury is allowed to issue more Treasuries once the debt ceiling is lifted, the U.S. fiat monetary system will continue to accumulate more debt in a bid to achieve higher growth rate.

The even increasing indebtedness of the U.S. government have not gone unnoticed. Major foreign holders of U.S. treasuries have taken the initiative to reduce their holding of U.S. treasuries.

We believe that as investors move away from U.S. treasuries, they were still seek to invest in similar safe haven asset. We believe the recent increase in gold purchase by central banks of some of the world's largest economies is not a coincidence. Gold is an alternative asset as a reserve currencies for most central banks. In an event of a failure of the fiat currency system, a return to gold standard or a standard which involve gold is highly possible.

Please refer to the following report "[shining bright like a diamond](#)" for a more detailed analysis on Gold.

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