Rich nations face increased debt burden
By Alan Beattie in Washington
Published: October 31 2010 18:02 | Last updated: October 31 2010 18:02

The government debt burden shouldered by employees in the rich world will more than double between 2007 and 2015 as an ageing population puts rising strain on welfare and health systems in advanced economies.

In new calculations for the Financial Times, Eswar Prasad, a former International Monetary Fund official now at the Brookings Institution and Cornell University, finds that the rich economies will owe a rapidly rising share of public debt worldwide, while contributing relatively less to global growth.

Rich countries already experiencing heavy demographic pressures on their public finances, such as Japan, will be joined by others, such as the US, which is beginning to experience the full force of the postwar “baby boomer” generation retiring.

Professor Prasad finds, rich countries will see the average government debt per person of working age rise from $31,700 in 2007 to $68,500 in 2015.

Of the sample of more than 50 countries, the US, which has enjoyed a relatively benign demographic profile, goes from having the 11th heaviest debt burden per employee in 2007 to the third highest by 2015.

The increasing burden of servicing public debt falling on a relatively smaller workforce will imperil growth and stability, Prof Prasad says.

“Advanced economies had better get their fiscal act together once the recovery is better entrenched,” he says.

“It will take strong political will to tackle near-term deficits and then to control the growth in entitlement spending. In the absence of decisive action, ballooning public debt in the advanced economies could become a major threat to domestic and global financial stability.”

The ratio of government debt to gross domestic product around the world has risen as a result of the global financial crisis, as governments have supported their economies and financial systems with public spending.

But while those burdens are likely to start shrinking again in emerging markets, they will rise in the rich world as the impact of an ageing population continues to weigh.

Globally, the rich countries will contribute markedly more to the overall worldwide debt burden than they will to economic growth.

Middle-income countries accounted for 10 per cent of the increase in global debt levels from 2007 to 2010 and are projected to account for 13 per cent of the increase from 2010 to 2015.

But they contributed 70 per cent of the growth in global nominal GDP from 2007 to 2010 and will contribute 54 per cent from 2010 to 2015.

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Why rising government debt burdens really matter

October 31, 2010 6:00pm by FT

By Eswar Prasad and Mengjie Ding

The global financial crisis triggered a sharp increase in public debt levels, both in absolute terms and relative to GDP. The level of aggregate net government debt in the world rose from $23,000bn in 2007 to an expected $34,000bn in 2010. IMF forecasts indicate the level will reach $48,000bn in 2015. The ratio of world debt to world GDP rose from 44 per cent in 2007 to 59 per cent in 2010, and is expected to climb to 65 per cent in 2015.

Rising debt levels pose risks to fiscal and macroeconomic stability and also imply transfers of wealth across generations. Our analysis shows that advanced economies (AEs) account for much of the increase in world public debt, putting their own as well as global financial stability in jeopardy.

We've analysed trends in the composition of world public debt and also calculated the burden of this debt - which we define as the ratio of debt to total and working-age populations. Our analysis is based on data from the IMF’s Fiscal Monitor (May 2010), the World Economic Outlook database (April 2010) and updated information from national sources. Download the full technical framework

AEs account for the bulk of the increase in global public debt since the start of the crisis. Relative to the size of their economies, debt levels in AEs are expected to continue rising in the next few years. By contrast, debt ratios will shrink for emerging markets (EMs).

- Aggregate debt of AEs will increase from $19,000bn in 2007 to $29,000bn in 2010, and is expected to rise to $42,000bn in 2015. The corresponding numbers for EMs are $4,000bn, $5,000bn and $7,000bn, respectively.
- The ratio of aggregate debt to aggregate GDP for AEs will rise from 48 per cent in 2007 to 71 per cent in 2010 and further to 85 per cent in 2015. The corresponding ratios for EMs are 30 per cent, 30 per cent and 26 per cent, respectively.

There is a stark contrast between AEs and EMs in their relative contributions to growth in world debt versus the growth in world nominal GDP (measured in US dollars). EMs contribute far more to growth in global GDP than to the growth in global public debt, reflecting an improvement in their fiscal positions while AEs experience a fiscal deterioration in both absolute and relative terms.

- In 2007, EMs accounted for 24 per cent of world GDP and 17 per cent of world debt. By 2015, EMs are expected to produce 35 per cent of world output and account for just 14 per cent of world debt.
- EMs accounted for 10 per cent of the increase in global debt levels from 2007 to 2010 and are expected to account for 13 per cent of the increase from 2010 to 2015. By contrast, their contributions to global GDP over these two periods are 70 per cent and 54 per cent, respectively.
- The two biggest AEs are making a far greater contribution to the rise in global debt than to the rise in global GDP. The US contributes 35 per cent of the increase in global debt from 2007 to 2010 and 39 per cent from 2010 to 2015. Its contributions to global GDP over those two periods are 13 per cent and 19 per cent, respectively. Japan accounts for 26 per cent of the increase in debt from 2007 to 2010 and 22 per cent from 2010 to 2015 while its contributions to global GDP increases are 17 per cent and 5 per cent, respectively.

One way to understand the burden of public debt is to examine the level of debt per capita. Richer economies can of course afford more debt but this is still an instructive calculation as it highlights the growing gulf between AEs and EMs.
• The average per capita debt in AEs was $19,400 in 2007, rising to $29,100 in 2010 and will go up to $41,000 in 2015. The burden of debt for US citizens will rise from $19,700 in 2007 to $31,600 in 2010 and then to $48,000 by 2015. The debt burden for Japanese citizens will hit $75,900 in 2015, the highest level in the world.

• Average per capita debt for EMs is also rising and will go up to $1,500 in 2015, far lower than AE levels. China’s debt burden will be $1,200 in 2015. China could in principle pay off its entire public debt by selling its stash of US government bonds.

The burden of the public debt may ultimately fall on the working-age population rather than the entire population, though inflation that erodes the real value of debt would of course hurt everyone. There is an even sharper contrast between AEs and EMs when we calculate the debt burden of the working-age population (ages 20-64; we do not make an exception for the French in our calculations!).

• Among AEs, the average debt per working-age person will more than double from $31,700 in 2007 to $68,500 in 2015. Japan tops all countries on this measure and the US will move into second position by 2015. US debt per working-age person goes from $32,300 in 2007 to $79,200 in 2015. For Japan, it nearly triples from $46,200 in 2007 to $134,500 in 2015.

• For EMs, average debt-per working-age person rises to $2,600 in 2015, a level far lower than that of the AEs. In the case of China, this measure of the debt burden will be $1,800 in 2015.

Our analysis paints a sobering picture of worsening public debt dynamics and a sharply rising debt burden in AEs. But perhaps the worst is yet to come. First, AEs as a group are experiencing little population growth. Second, they are facing rapidly aging populations. Third, their economies are likely to register slow growth, especially relative to the EMs. Fourth, entitlement spending on health care and pensions is likely to explode due to unfavorable demographics.

AEs had better get their fiscal act together once the recovery is better entrenched. It will take strong political will to tackle near-term deficits and then to control the growth in entitlement spending. In the absence of decisive action, ballooning public debt in the AEs could become a major threat to domestic and global financial stability.

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Tags: economic recovery, Fiscal policy, Sovereign debt

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