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Global Interest Rate Highlights

James Law, CFA Head of US Enhanced Cash and Short Duration



September 2019

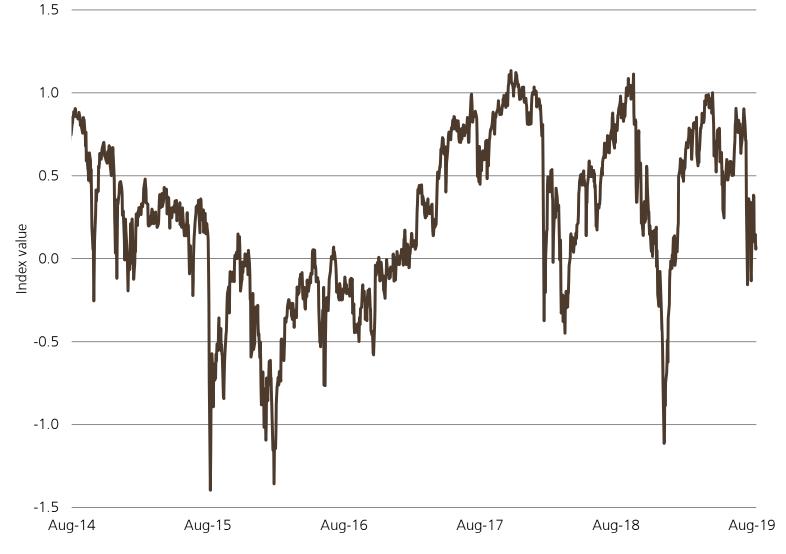
Section 1 Fixed income themes and risks



Resilient economy + Fed easing is a good combo for risk assets; Keep an eye on the front-end rates market

The markets and the Fed will watch financial conditions closely





Source: Bloomberg Finance LP As of August 28, 2019

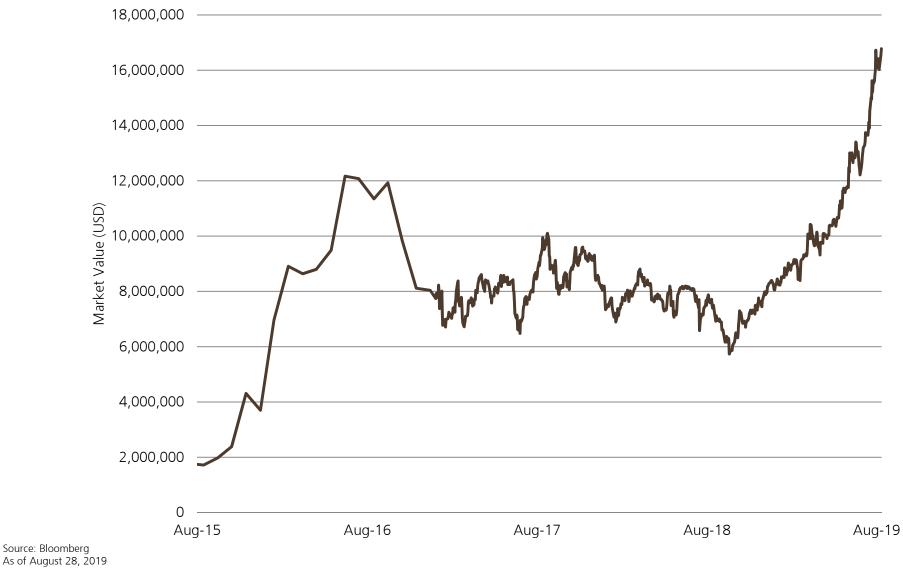


Section 2

Current interest rate environment

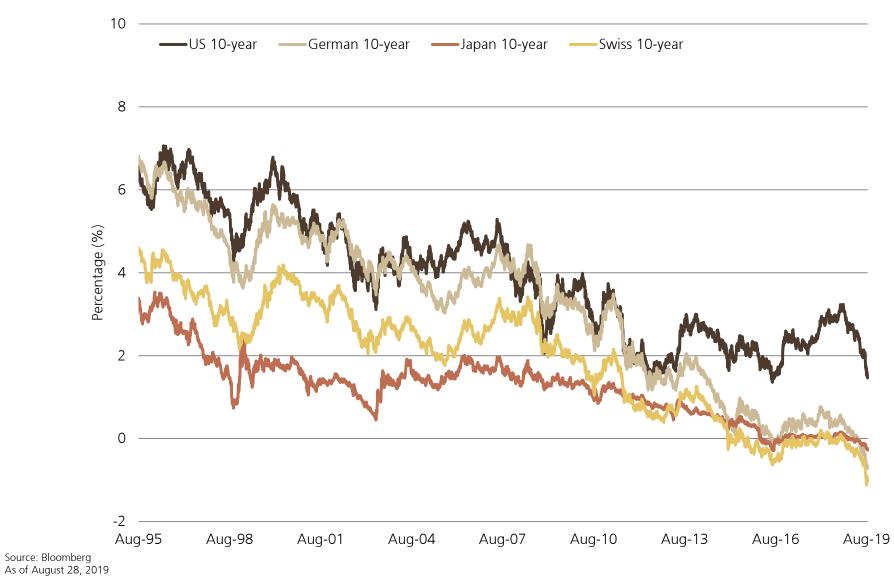
Almost \$17 trillion in negative yielding debt





Global bond yields

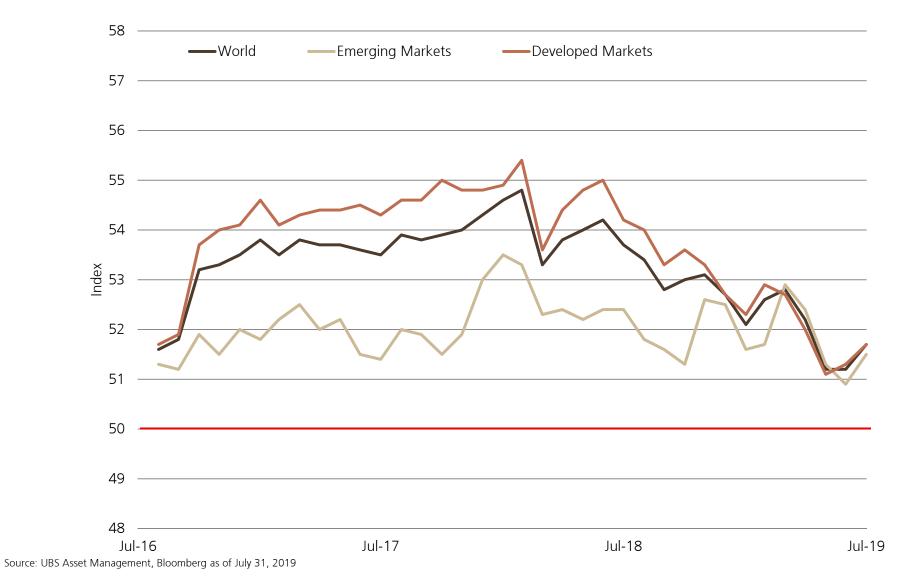




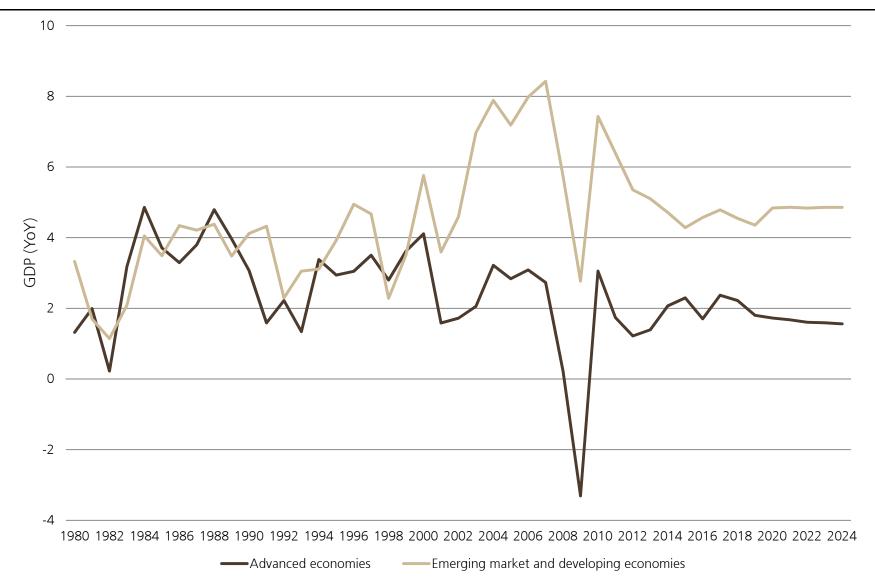


Global growth is stabilizing just above trend

Global PMIs are now consistent with trend growth (~52) & in expansionary territory (>50)



IMF advanced vs. emerging market growth

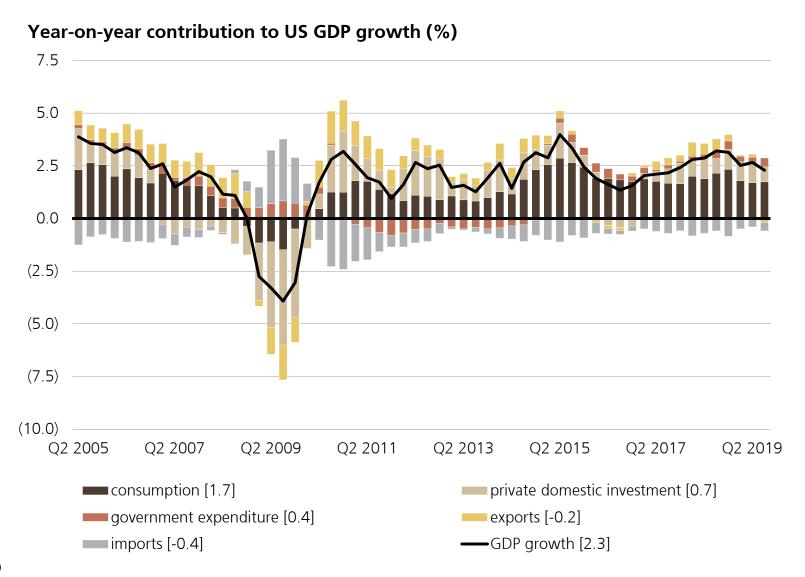


Source: International Monetary Fund, World Economic Outlook Database As of April 2019



US GDP supportive of higher U.S. rates relative to many developed market rates

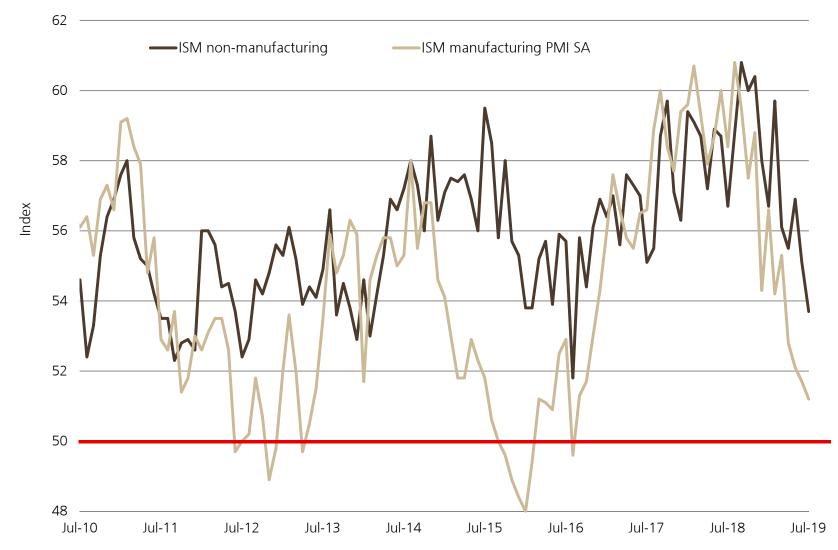
US economic growth



Source: Bloomberg As of July 31, 2019

Slowdown in manufacturing, but watch non-manufacturing closely

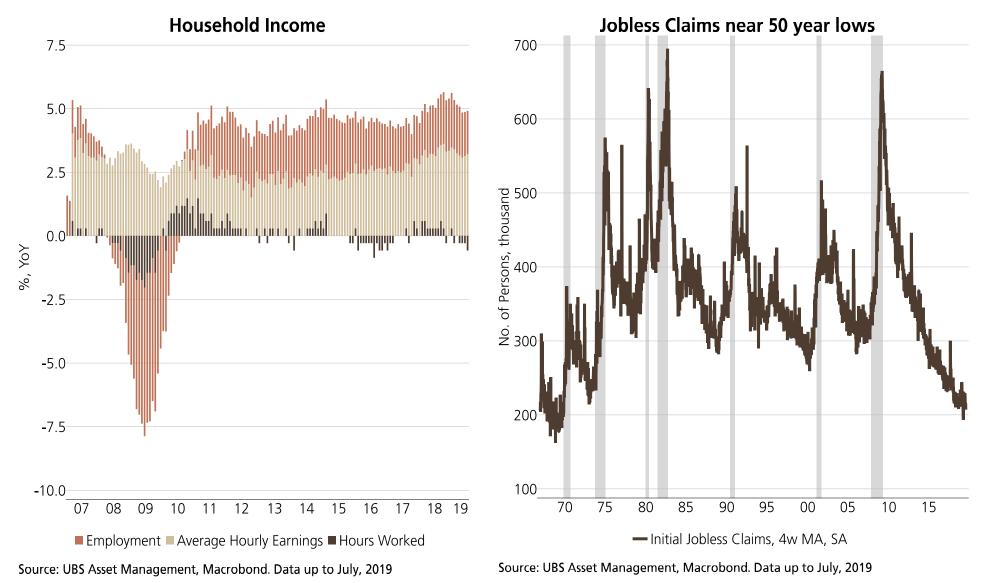
Service sector has remained resilient so far



Source: UBS Asset Management, Bloomberg as of July 31, 2019

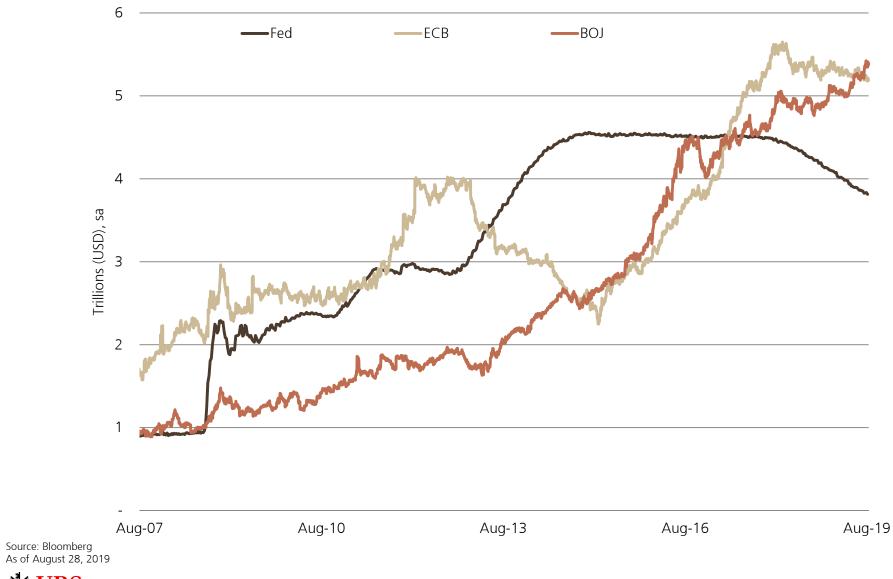
Household incomes moderating but remain solid

The consumer, primary driver of the economy, remains strong



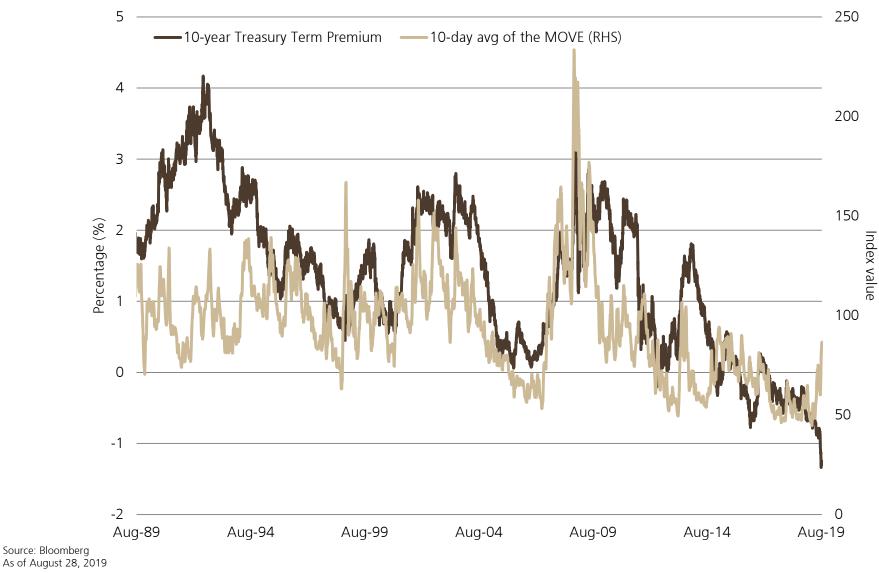
Central bank balance sheets

Major central banks: total assets



Less compensation demanded to hold longer term bonds

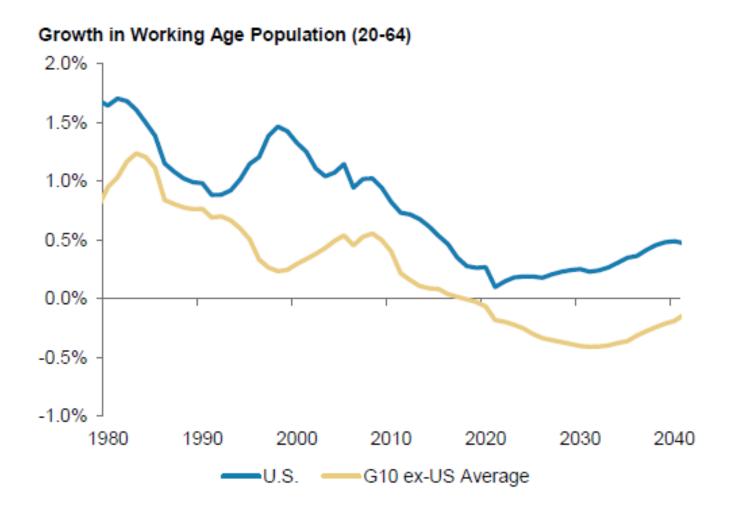
US Treasury 10-year term premium & MOVE index – Is the US curve distorted?





Demographics

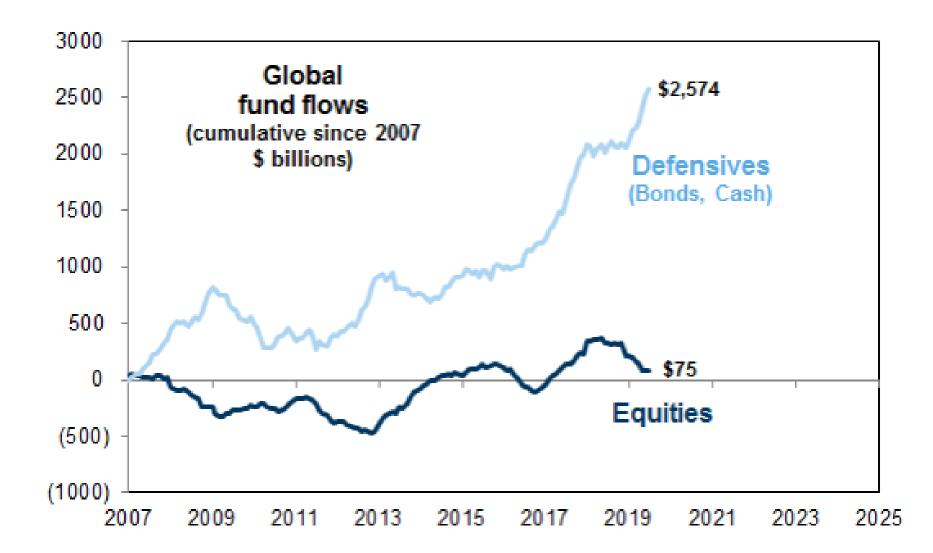
Working-age population



Source: United Nations, Morgan Stanley Research



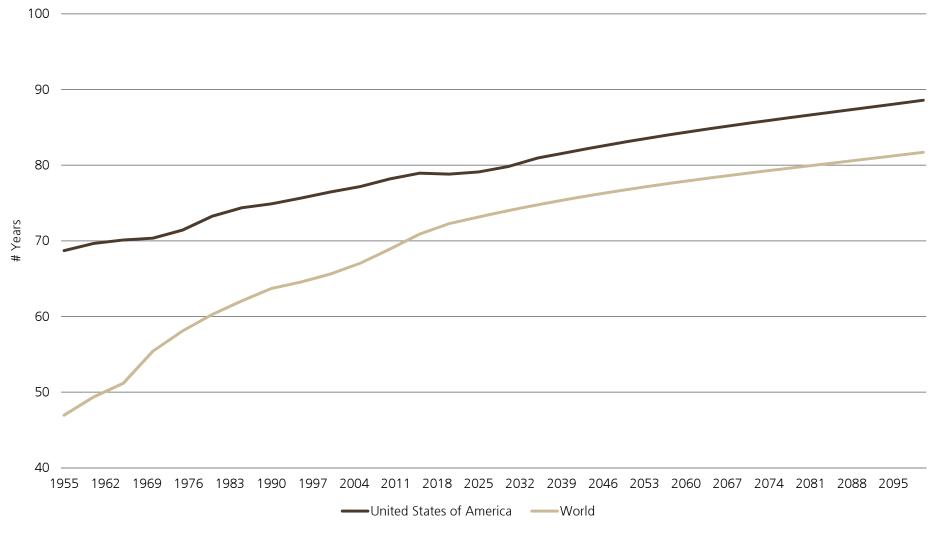
Strong flows into fixed income & cash funds



Source: Goldman Sachs As of June 30, 2019

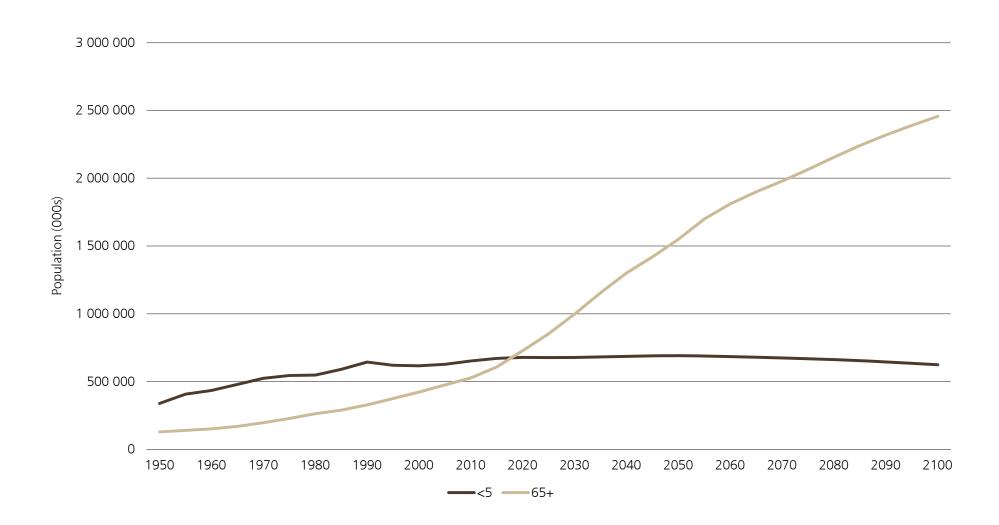
Longer life expectancy likely leads to higher savings rates

Life expectancy at birth for the US and World from UN plus projections going forward



Source: Bloomberg As of June 30, 2019

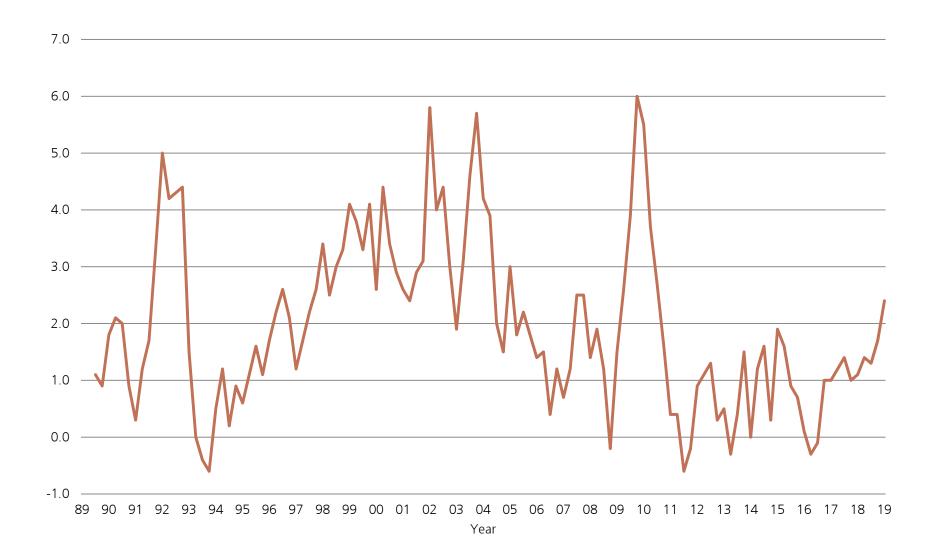
World population is aging



Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, custom data acquired via website



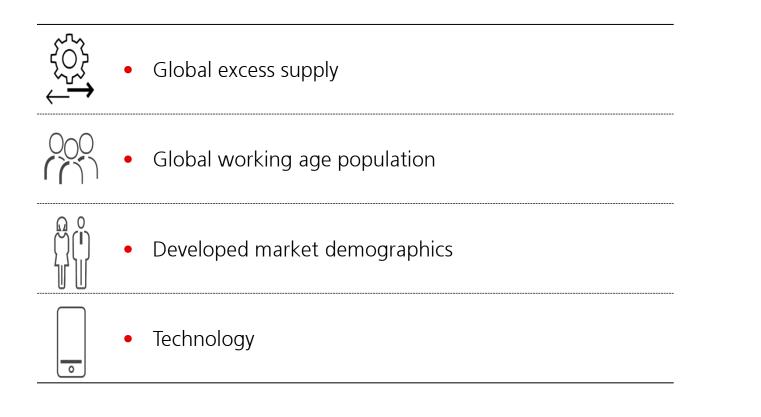
Productivity improving



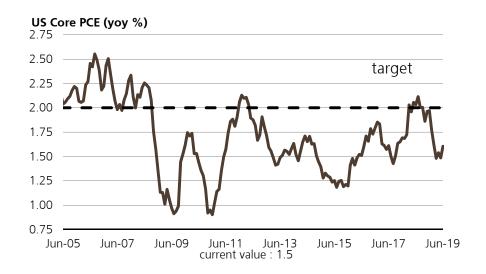
Source: Bureau of labor statistics, Bloomberg

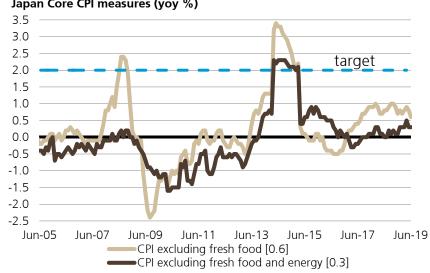


Section 3 Inflation status



US, EUR, Swiss & JPY Inflation







Source: Bloomberg As of August 28, 2019

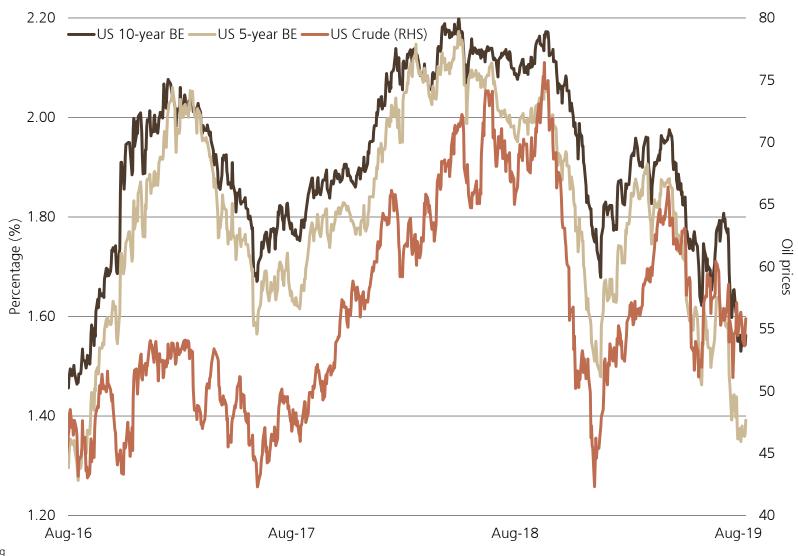




2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 Jul-05 Jul-07 Jul-09 Jul-11 Jul-13 Jul-15 Jul-17 Jul-19 – current value : 0.4 🛛 💻 🕛 Target

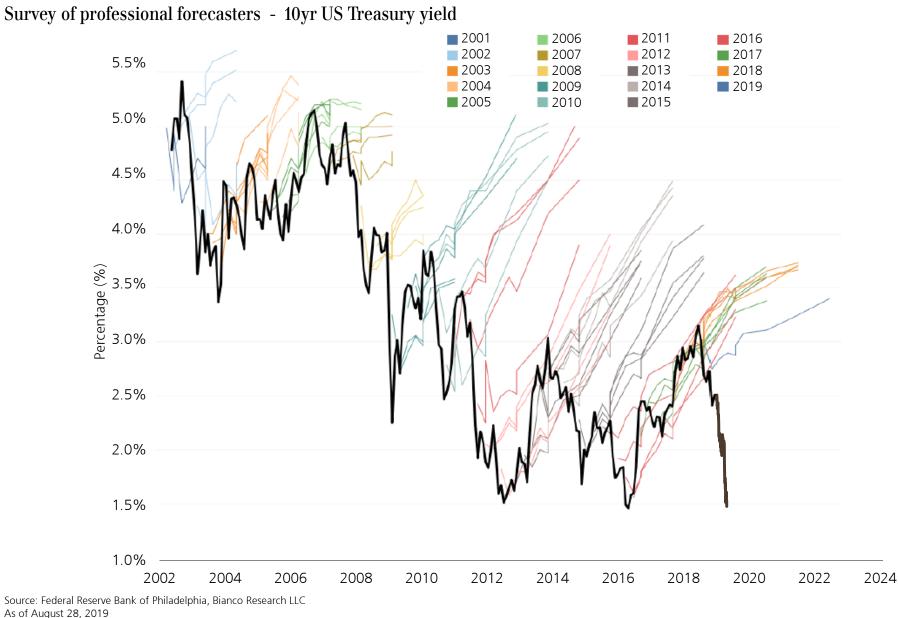
Swiss Core CPI (yoy %)

US TIPS inflation breakeven rates have come down



Source: Bloomberg As of August 28, 2019 Section 4 Interest rate outlook

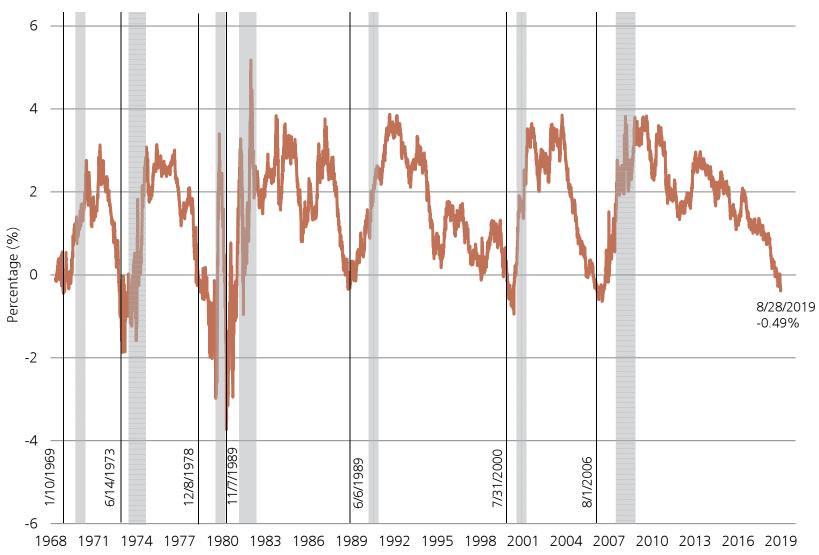
Expectations for higher rates has been common theme





Yield curve inversions lead recessions

10yr less 3mo yield curve



Source: Bianco Research LLC As of August 28, 2019

25

How long until the next recession?

When the 3 month/10 year yield curve inverts for 10 straight days

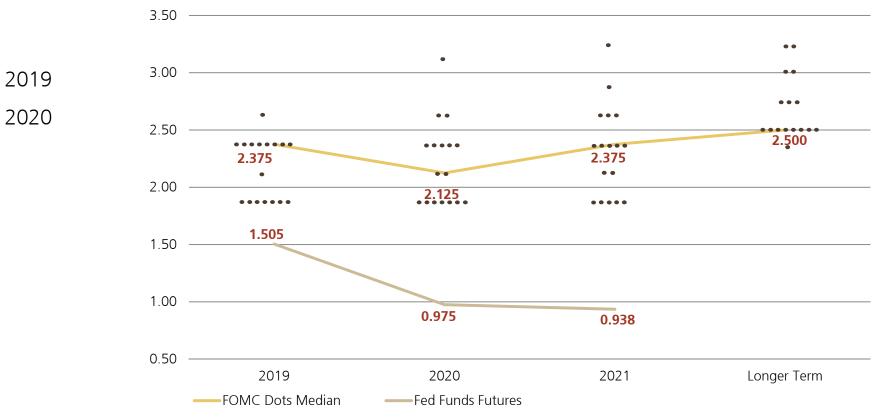
Is this signal diluted by lower term premium and global search for yield?

Date of Inversion	Date of Next Recession	Days to Next Recession
1/10/1969	Dec-69	325
6/14/1973	Nov-73	140
12/8/1978	Jan-80	389
11/7/1980	Jul-81	236
6/6/1989	Jul-90	390
7/31/2000	Mar-01	213
8/1/2006	Dec-07	487
6/6/2019	?	?
Average		311

FOMC dot projections

Distribution of FOMC members projections for Fed Funds rate

Meeting date 6/19/2019



• 2 easings in 2019

• 2 easings in 2020

Source: Federal Reserve

As of August 28, 2019

Overnight Index Swap (OIS) is an interest rate swap involving the overnight rate being exchanged for a fixed interest rate. An overnight index swap uses an overnight rate index, such as the Federal Funds Rate, as the underlying for its floating leg, while the fixed leg would be set at an assumed rate. Overnight index swaps are popular amongst financial institutions for the reason that the overnight index is considered to be a good indicator of the interbank credit markets, and less risky than other traditional interest rate spreads.



US interest rate movements going forward

The FOMC is data dependent and focused on risk management of cross currents ("mid cycle adjustment to policy")

Rates Up

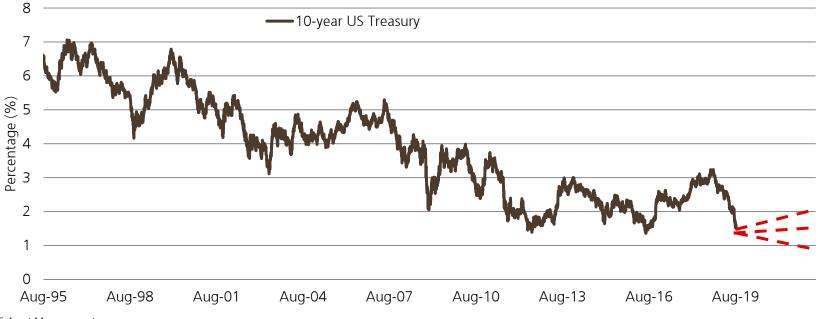
- Inflation accelerates above 2%
- US China trade deal completed
- Sustained pick-up in global growth

Rates range bound

- Economic and geopolitical uncertainties continue
- 2% US GDP with inflation 1.75% to 2.25%
- Expected range 1.25% 2.00%

Rates down

- Financial conditions tighten too much against Fed's forecast
- US economy sustainably slows below 2% GDP with low inflation
- Global growth slows systematically



Source: UBS Asset Management As of August 28, 2019

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