Decades not years

February 2021



Steven Major, CFA

Global Head of Fixed Income Research
The Hongkong and Shanghai Banking Corporation Limited
steven.j.major@hsbc.com.hk
+852 2996 6590

Fixed Income Rates

Issuer of report: The Hongkong and Shanghai Banking Corporation Limited

Disclosures & Disclaimer: This report must be read with the disclosures and the analyst certifications in the Disclosure appendix, and with the Disclaimer, which forms part of it

Publications used in this presentation

US yields & leverage

How more debt and slow growth reduce rates





15 Jul 18

Bonds in 2025 Lessons from Japan







Decade of denial

Fixed Income Asset Allocation

09 Jan 20

Fiscal fallacies Bonds are not potatoes





20 Jan 20

20 Mar 20

Prisoner's Dilemma

Debt mutualisation is happening anyway





31 Mar 20

The last straw Fixed Income Asset Allocation





06 Apr 20

Revisiting Bonds in 2025 Cutting our US bond yield forecasts





29 Apr 20

Bonds and inflation Opportunities and a bugbear





20 May 20

Germany's big U-turn Fixed Income Asset Allocation



Captain America

Yield curve control next



09 Jun 20

Down, down, deeper and down US rates - an alternative scenario





04 Jun 20

US bonds - the QE quandary

Three common misconceptions





29 Jun 20

Commitment device

Yield curve control update





06 Jul 20

Hockey sticks

Fixed Income Asset Allocation





07 Jul 20



(continued) Publications used in this presentation

Q&A on QE Quandary

Answers to client questions on the constraints of QE



QE in the Eurozone

Five more years



28 Jul 20

Decades not years Fixed Income Asset Allocation





05 Aug 20

Looking through the noise Fixed Income Asset Allocation





07 Oct 20

Forecasting myths 2.0

at misconceptions

US bond yields – another look

Real yields are a residual Let go of the traditional meaning



26 Aug 20

Eurozone zombie paradox Japanification is supportive for





Aspiration-reality disconnect Fixed Income Asset Allocation



03 Sep 20

Strength of our convictions Fixed Income Asset Allocation



US Rates

The revisionist's view of inflation averaging



14 Sep 20

Not the 2021 outlook **Fixed Income Asset Allocation**



09 Dec 20

Refresh and reset

05 Oct 20

Fixed Income Asset Allocation





13 Jan 21

29 Jan 21



Decades not years

- Negative real yields are an outcome
- Global indebted economy: more debt associated with lower yields
- Aspiration of higher inflation and 'quick fixes'...
- ... has to be weighed against the need to contain nominal yields
- Post-pandemic 'scarring' more significant than near-term recovery

Decades not years

Fixed Income Asset Allocation





05 Aug 20

Real yields are a residual

Let go of the traditional meaning





26 Aug 20





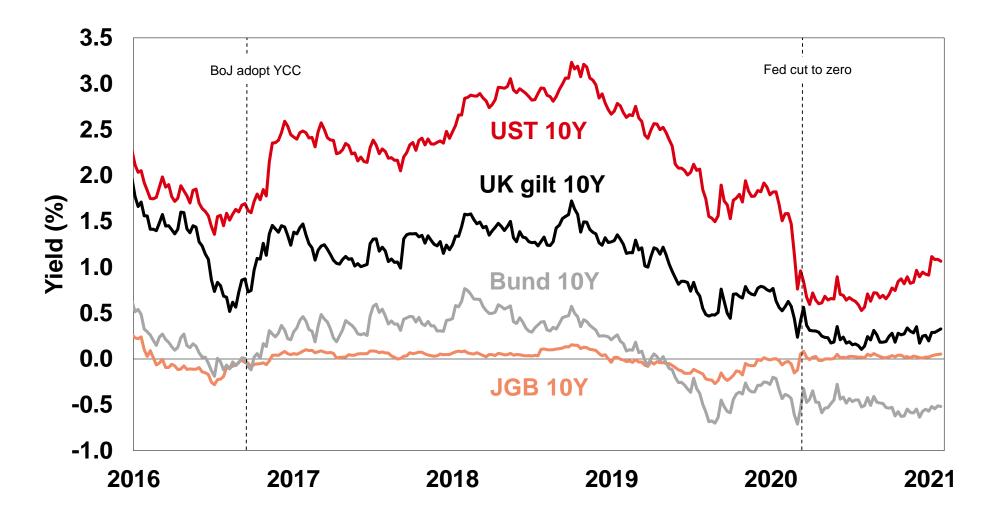


... whatever you think will happen over the next year, the ultimate costs of this pandemic are much larger than your short-run calculations suggest

Scarring Body and Mind: The Long-Term Belief-Scarring Effects of COVID-19: Kozlowski, J., Veldkamp, L. and Venkateswara, V. (August 2020)



G4 10Y yields have converged on the Japanification scenario



Source: HSBC, Bloomberg



Japanification checklist

- Debt overhang
- Demographic challenges
- Persistently low inflation
- Zero interest rates for decades
- Outsized central bank balance sheet
- Hockey stick yield curves
- Poor productivity
- Zombification in the private sector

Eurozone zombie paradox

Japanification is supportive for high yield credit





20 Oct 20

Bonds in 2025 Lessons from Japan

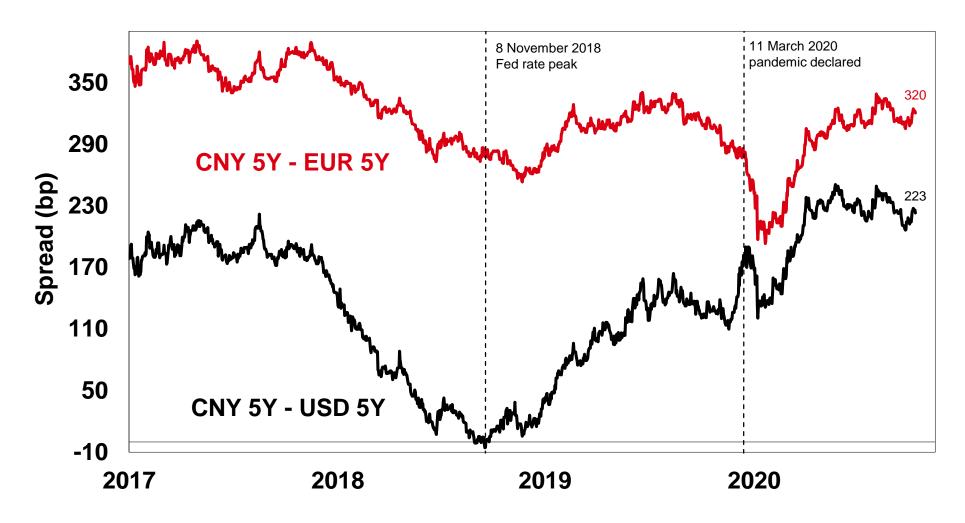




06 Aug 19



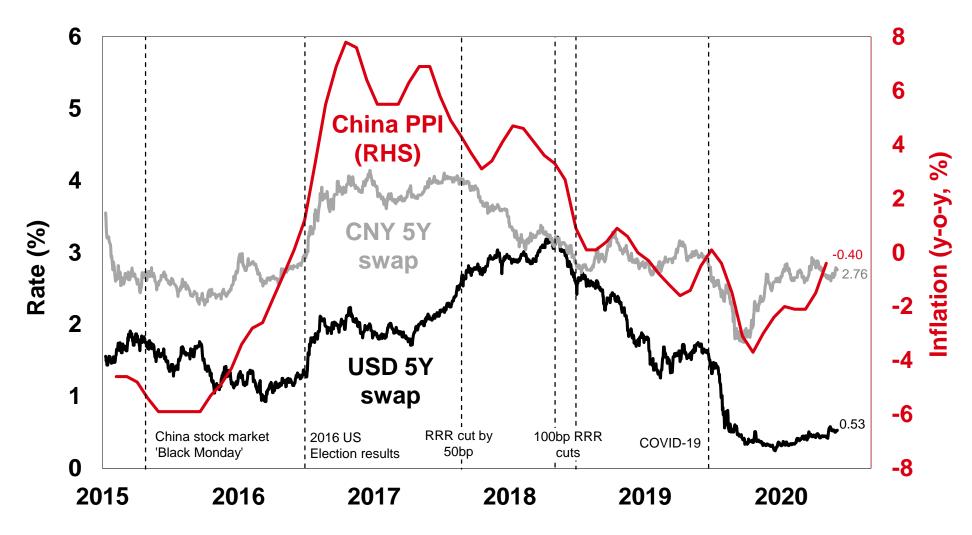
But China has diverged



Source: HSBC, Bloomberg. Note: CNY non-deliverable IRS used.



Causality has run from China in the past



Source: HSBC, Bloomberg



Considerations for 10-yr US Treasury forecast

- Forward guidance and potential 'caps' for yields
- Long-dated forwards versus equilibrium policy rate
- Possibility of negative rates in the next few years
- Average Inflation Targeting (AIT): aspirations vs reality

Bonds and inflation

Opportunities and a bugbear





20 May 20

Down, down, deeper and down US rates – an alternative scenario

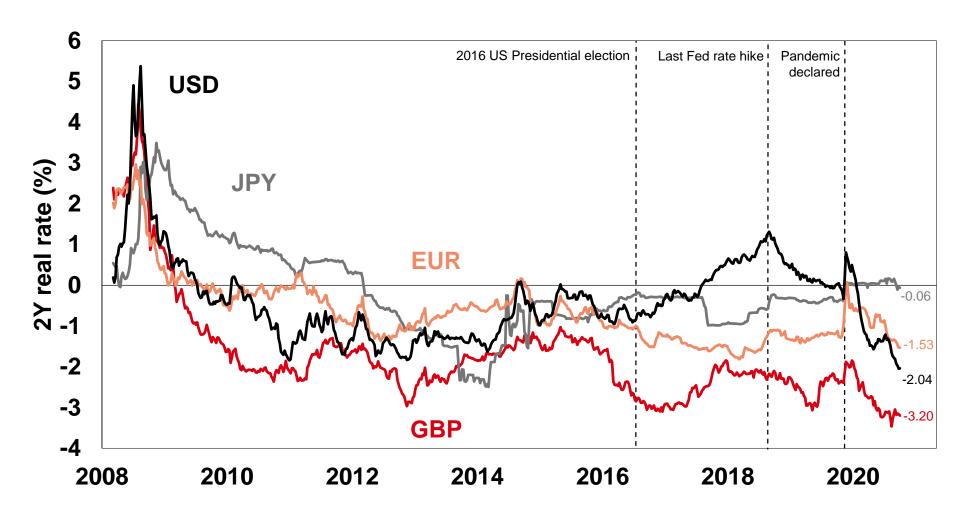




04 Jun 20



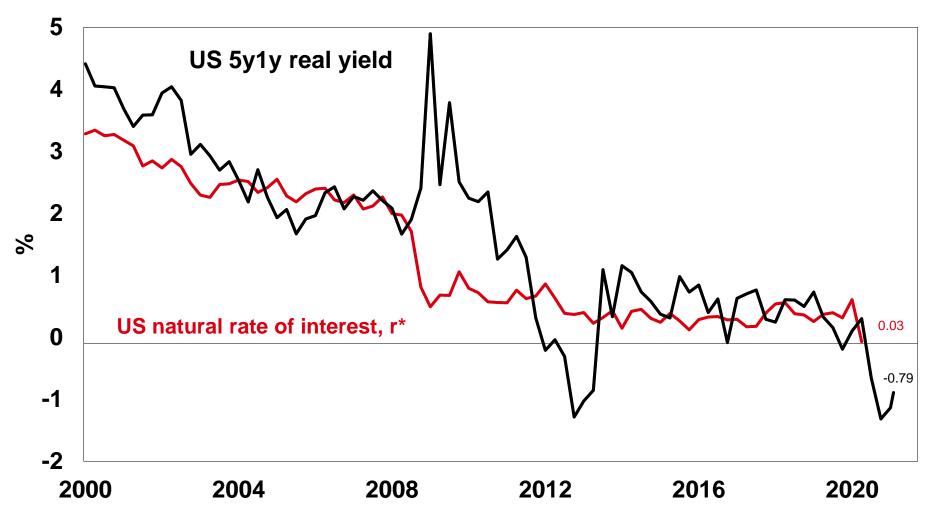
Negative real yields are an outcome



Source: HSBC, Bloomberg. Note: real rate = nominal swap rate - inflation swap rate



North star for r* – the US Treasury 5y1y real yield

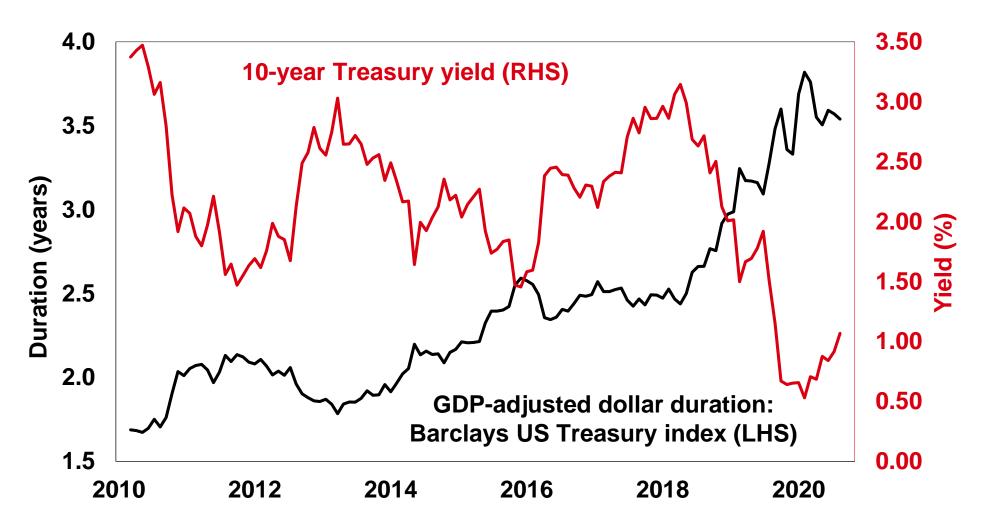


Source: HSBC, NY Fed, OECD. Note: Calculations use the methodology outlined in Holston, Laubach and Williams (2017), "Measuring the Natural Rate of Interest: International Trends and Determinants". Latest r* data as of start-Q2 2020, real yield as of 1 February 2021.

see Real yields are a residual: Let go of the traditional meaning, 26 August 2020



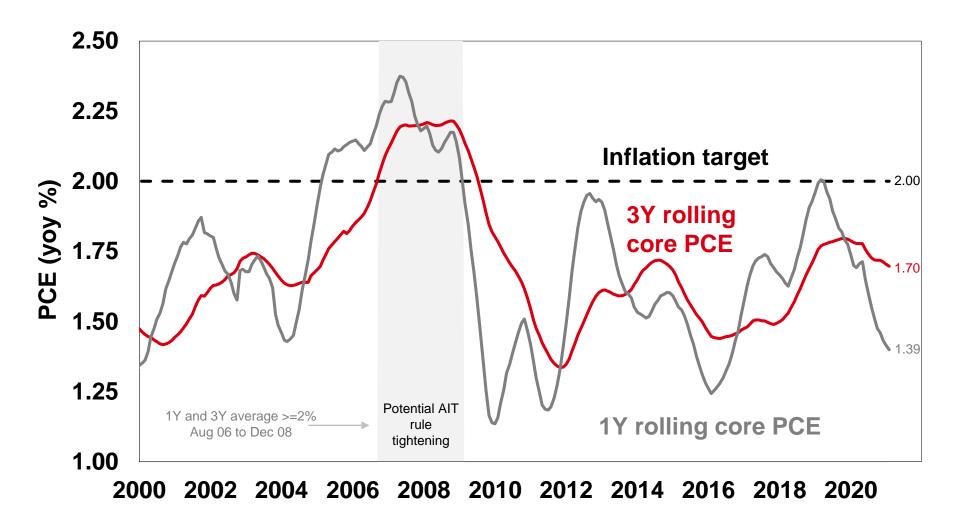
More duration supply, lower yield levels



Source: HSBC, Bloomberg. Monthly data used.



High hurdle for rate hikes given the new Fed framework



Source: HSBC, Bloomberg.



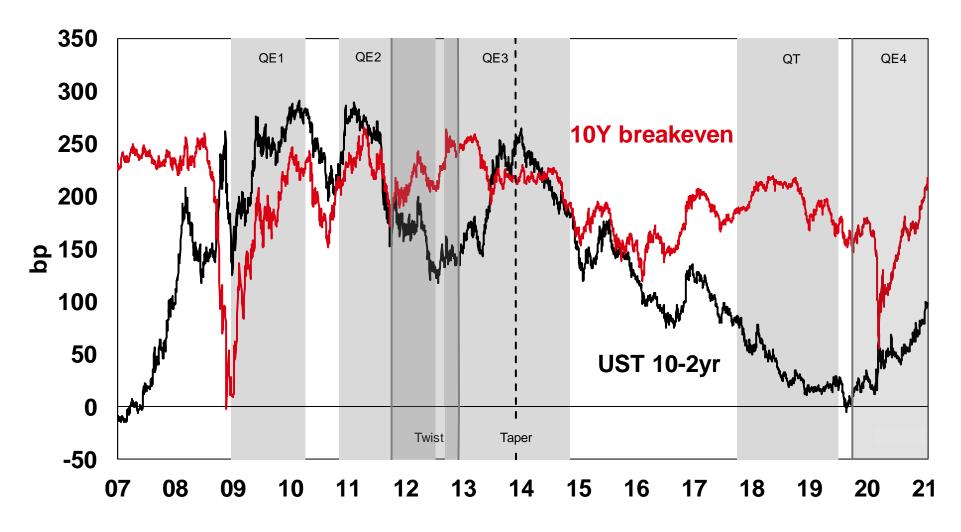
To be clear, 'inflation that averages 2% over time' represents an <u>ex-ante</u> aspiration, not a description of a mechanical reaction function...



Richard Clarida, Federal Reserve Vice-Chair, speaking at Petersen Institute, 31 August 2020



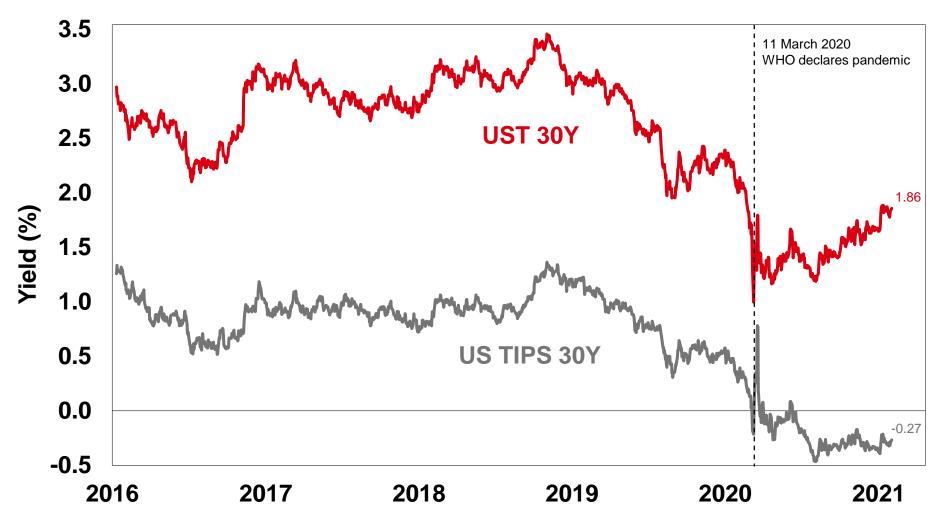
US BEs have been increasing like in 2009



Source: HSBC, Bloomberg



Wider inflation break-evens from higher nominal yields

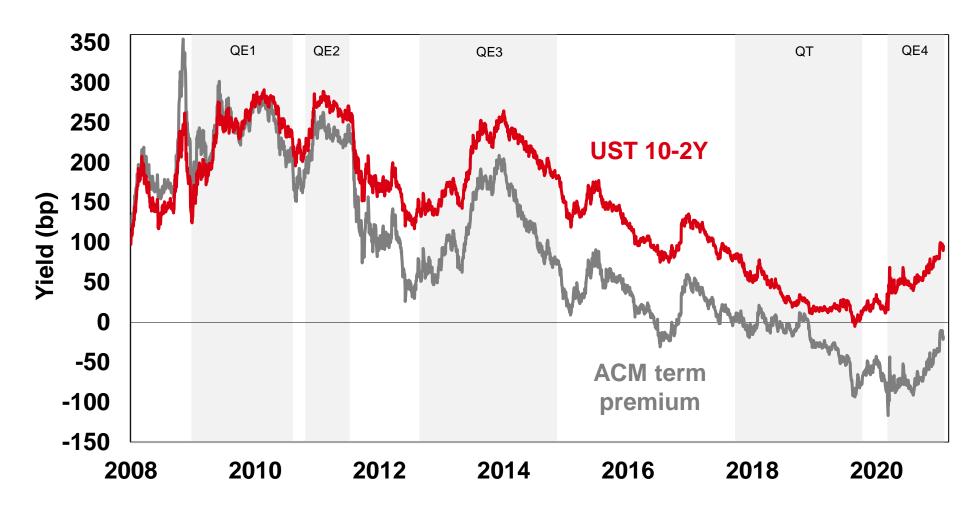


Source: HSBC, Bloomberg





Curve and term premium move broadly together



Source: HSBC, Bloomberg, Adrian, Crump and Moench (ACM)



US 10-year fair value with zero lower bound (ZLB)

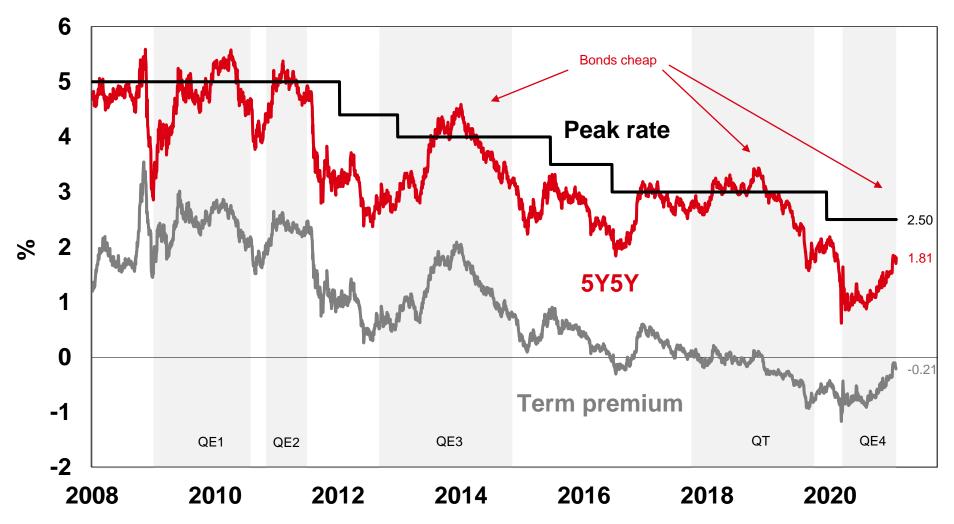
Maturity	1	2	3	5	10
Yield curve as at 1 February 2021	0.08%	0.11%	0.17%	0.43%	1.08%
3Y at ZLB, then 2Y to tighten to 2.5%	0.13%	0.13%	0.13%	0.64%	1.49%
3Y at ZLB, then 2Y to tighten to 2%	0.13%	0.13%	0.13%	0.52%	1.19%
3Y at ZLB, then 2Y to tighten to 1.5%	0.13%	0.13%	0.13%	0.41%	0.89%
3Y at ZLB, then 2Y to tighten to 1%	0.13%	0.13%	0.13%	0.30%	0.59%
5Y at ZLB, then 2Y to tighten to 1%	0.13%	0.13%	0.13%	0.13%	0.44%
7Y at ZLB, then 2Y to tighten to 1%	0.13%	0.13%	0.13%	0.13%	0.29%
Stay at ZLB forever	0.13%	0.13%	0.13%	0.13%	0.13%
2Y at -2%, then 2Y to tighten to 1%	-2.14%	-2.14%	-1.82%	-0.85%	0.01%

Source: HSBC, Bloomberg. Note: tightening scenarios assume period from today, not Fed meeting dates.





UST 5Y5Y well below peak rate and longer-run 'dot'



Source: HSBC, Bloomberg, NY Fed, Adrian, Crump and Moench (ACM).

Note: 'Peak rate' is based on previous rate peaks and expected nominal GDP. Grey shaded area indicates QE programmes.



What comes next?

- Eventual austerity and financial repression at a minimum
- There is no "quick fix", we cannot afford higher rates
- Yield curve control to contain yields
- Lower-for-longer rates outlook is a base case
- Many questions remain for the post-pandemic economy

Commitment device

Yield curve control update





06 Jul 20

Captain America Yield curve control next





20 Mar 20



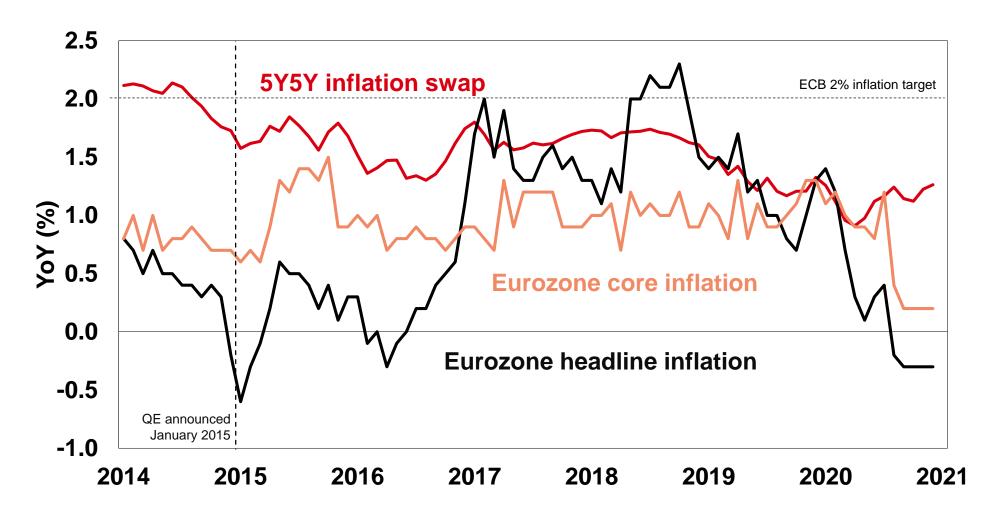


Taken together, the scale of the increase in <u>economic slack</u> means that the net impact on inflation dynamics is assessed to be <u>substantially negative</u> in the staff projections, even when allowing for the <u>pro-inflationary impact</u> of some damage to supply capacity.

Philip Lane, Member of the Executive Board of the ECB, Expanding the pandemic emergency purchase programme, 5 June 2020



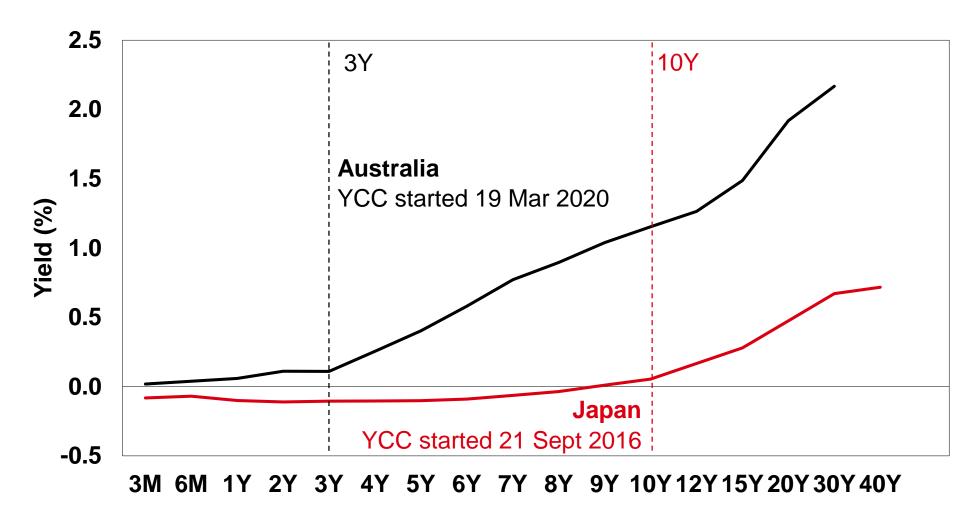
Eurozone inflation expectations never recovered after 2015



Source: Bloomberg, HSBC



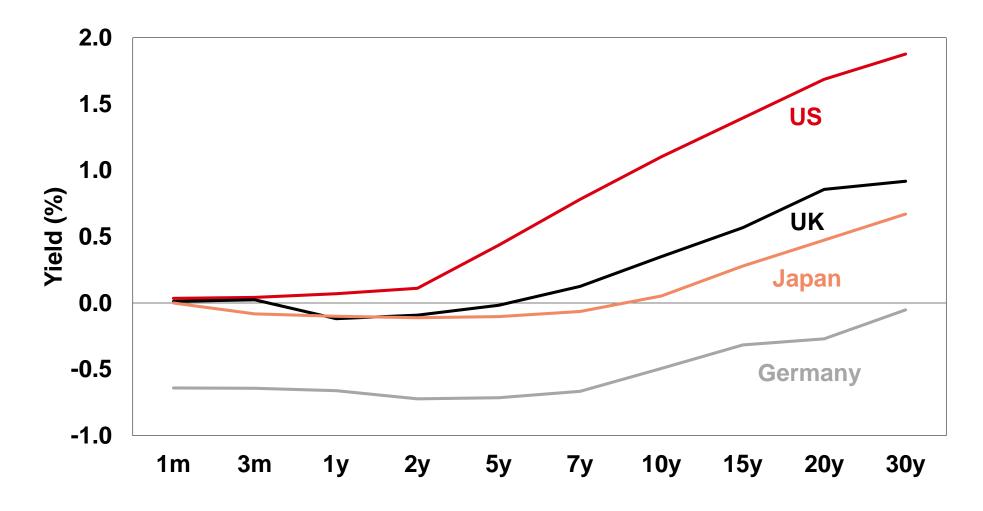
Japan and Australia yield curve 'kinks' determined by YCC



Source: HSBC, Bloomberg



G4 yield curves converging – hockey sticks



Source: HSBC, Bloomberg



Conclusion: Lower-for-longer is now base case

Questions to answer:

- What will the post-pandemic changes in belief systems look like?
- Will central banks explain how inflation is going to rise?
- Is there a tipping point from the move to fiscal dominance?
- Will there be a meaningful increase in investment spending?

Decade of denial

Fixed Income Asset Allocation

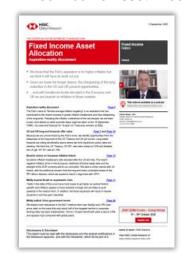




09 Jan 20

Aspiration-reality disconnect

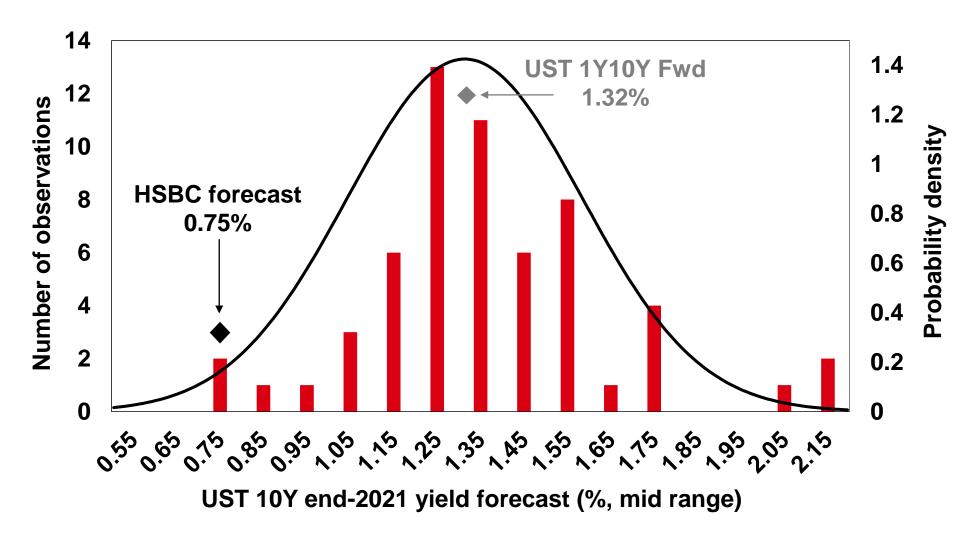
Fixed Income Asset Allocation





03 Sep 20

The current distribution of UST 10Y predictions for end-2021



Source: HSBC, Bloomberg. 59 forecasts used, as at 15 January 2021 survey date. Forward rate as of 1 February 2021.

see Forecasting myths 2.0: US bond yields - another look at misconceptions, 29 January 2021



Disclosure appendix

Analyst Certification

The following analyst(s), economist(s), or strategist(s) who is(are) primarily responsible for this report, including any analyst(s) whose name(s) appear(s) as author of an individual section or sections of the report and any analyst(s) named as the covering analyst(s) of a subsidiary company in a sum-of-the-parts valuation certifies(y) that the opinion(s) on the subject security(ies) or issuer(s), any views or forecasts expressed in the section(s) of which such individual(s) is(are) named as author(s), and any other views or forecasts expressed herein, including any views expressed on the back page of the research report, accurately reflect their personal view (s) and that no part of their compensation was, is or will be directly or indirectly related to the specific recommendation(s) or views contained in this research report: Steven Major, CFA

Important disclosures

Fixed income: Basis for financial analysis

This report is designed for, and should only be utilised by, institutional investors. Furthermore, HSBC believes an investor's decision to make an investment should depend on individual circumstances such as the investor's existing holdings and other considerations.

HSBC believes that investors utilise various disciplines and investment horizons when making investment decisions, which depend largely on individual circumstances such as the investor's existing holdings, risk tolerance and other considerations. Given these differences, HSBC has two principal aims in its fixed income research: 1) to identify long-term investment opportunities based on particular themes or ideas that may affect the future earnings or cash flows of companies in corporate credit and based on country-specific ideas or themes that may affect the performance of these bonds in the case of covered bonds, in both cases on a six-month time horizon; 2) to identify trade ideas on a time horizon of up to four months, relating to specific instruments, which are predominantly derived from relative value considerations or driven by events and which, in the case of credit research, may differ from our long-term opinion on an issuer. Buy or Sell refer to a trade call to buy or sell that given instrument; HSBC has assigned a fundamental recommendation structure, as described below, only for its longer-term investment opportunities.

HSBC believes an investor's decision to buy or sell a bond should depend on individual circumstances such as the investor's existing holdings and other considerations. Different securities firms use a variety of terms as well as different systems to describe their recommendations. Investors should carefully read the definitions of the recommendations used in each research report. In addition, because research reports contain more complete information concerning the analysts' views, investors should carefully read the entire research report and should not infer its contents from the recommendation. In any case, recommendations should not be used or relied on in isolation as investment advice.



HSBC Global Research is not and does not hold itself out to be a Credit Rating Agency as defined under the Hong Kong Securities and Futures Ordinance.

Definitions for fundamental credit and covered bond recommendations

Overweight: For corporate credit, the issuer's fundamental credit profile is expected to improve within the next six months. For covered bonds, the bonds issued in this country are expected to outperform those of the other countries in our coverage over the next six months.

Neutral: For corporate credit, the issuer's fundamental credit profile is expected to remain stable for up to six months. For covered bonds, the bonds issued in this country are expected to perform in line with those of the other countries in our coverage over the next six months.

Underweight: For corporate credit, the issuer's fundamental credit profile is expected to deteriorate within the next six months. For covered bonds, the bonds issued in this country are expected to underperform those of other countries in our coverage over the next six months.

Definitions for trades (Rates & Credit)

Buy and Sell refer to a trade call to buy or sell a bond, option on an interest rate swap ("swaption"), interest rate cap or floor, inflation cap or floor, or Total Return Swap ("TRS"). The buyer/seller of a TRS receives/pays the total return of the underlying instrument or index at the end of the period and pays/receives the funding leg.

Buy protection and Sell protection refer to a credit default swap (CDS): the protection buyer/seller is effectively selling/buying the reference entity's credit risk.

Pay and receive refer to a trade call to pay or receive the fixed leg of an interest rate swap (IRS), a non-deliverable IRS, the first-named leg of a basis swap, the realised inflation leg of an inflation swap, or a forward rate agreement (FRA). An investor that executes a pay or receive trade is said to be "paid" or "received."

Payer and **receiver** refer to inflation caps or floors and to swaptions: a payer is an option giving the right but not the obligation to enter a paid position in an interest rate or inflation swap, and a receiver is an option giving the right but not the obligation to enter a received position in an interest rate or inflation swap.

ASW (also asset-swap, Buy on asset swap, Buy on an asset-swapped basis): Buy a bond packaged with a swap that is tailored to eliminate the bond's interest rate risk, effectively transforming the bond to a floating rate instrument whilst preserving the credit exposure to the bond issuer.

RASW (also reverse asset-swap, Sell on asset swap, Sell on an asset swapped basis): Sell a bond packaged with a swap that is tailored to eliminate the bond's interest rate risk, effectively transforming the bond to a floating rate instrument whilst preserving the credit exposure to the bond issuer.

Distribution of fundamental credit and covered bond recommendations

As of 01 February 2021, the distribution of all independent fundamental credit recommendations published by HSBC is as follows:



All Covered issuers Issuers to whom HSBC has provided Investment Banking in the past 12 months Percentage Count Count Percentage 56 Overweight 126 27 70 Neutral 220 47 90 41 126 26 47 37 Underweight Source: HSBC

For the purposes of the distribution above the following mapping structure is used: Overweight = Buy, Neutral = Hold and Underweight = Sell. For rating definitions under both models, please see "Definitions for fundamental credit and covered bond recommendations" above.

Distribution of trades

As of 31 December 2020, the distribution of all trades published by HSBC is as follows:

Recommendation	All Covered instruments		Issuers to whom HSBC has provided Investment Banking in the past 12 month		
	Count	Percentage	Count	Percentage	
Buy	143	76	90	63	
Sell	46	24	21	46	
Source: HSBC					

For the purposes of the distribution above the following mapping structure is used: Buy/Sell protection/Receive/Buy Receiver/Sell Payer = Buy; and Sell/Buy protection/Pay/Buy Payer/Sell Receiver = Sell. ASW is counted as a buy of the bond and a paid swap, and RASW as a sell of the bond and a received swap. For rating definitions under both models, please see "Definitions for trades (Rates and Credit)" above.

For the distribution of non-independent ratings published by HSBC, please see the disclosure page available at http://www.hsbcnet.com/gbm/financial-regulation/investment-recommendations-disclosures.

Recommendation changes for long-term investment opportunities

To view a list of all the independent fundamental recommendations disseminated by HSBC during the preceding 12-month period, and the location where we publish our quarterly distribution of non-fundamental recommendations, please use the following links to access the disclosure page:

Clients of Global Research and Global Banking and Markets: www.research.hsbc.com/A/Disclosures

Clients of HSBC Private Banking: www.research.privatebank.hsbc.com/Disclosures



HSBC and its affiliates will from time to time sell to and buy from customers the securities/instruments, both equity and debt (including derivatives) of companies covered in HSBC Research on a principal or agency basis or act as a market maker or liquidity provider in the securities/instruments mentioned in this report.

Analysts, economists, and strategists are paid in part by reference to the profitability of HSBC which includes investment banking, sales & trading, and principal trading revenues.

Whether, or in w hat time frame, an update of this analysis will be published is not determined in advance.

Non-U.S. analysts may not be associated persons of HSBC Securities (USA) Inc, and therefore may not be subject to FINRA Rule 2241 or FINRA Rule 2242 restrictions on communications with the subject company, public appearances and trading securities held by the analysts.

Economic sanctions imposed by the EU and OFAC prohibit transacting or dealing in new debt or equity of Russian SSI entities. This report does not constitute advice in relation to any securities issued by Russian SSI entities on or after July 16 2014 and as such, this report should not be construed as an inducement to transact in any sanctioned securities.

For disclosures in respect of any company mentioned in this report, please see the most recently published report on that company available at www.hsbcnet.com/research. HSBC Private Banking clients should contact their Relationship Manager for queries regarding other research reports. In order to find out more about the proprietary models used to produce this report, please contact the authoring analyst.

Additional disclosures

- 1 This report is dated as at 02 February 2021.
- All market data included in this report are dated as at close 01 February 2021, unless a different date and/or a specific time of day is indicated in the report.
- HSBC has procedures in place to identify and manage any potential conflicts of interest that arise in connection with its Research business. HSBC's analysts and its other staff who are involved in the preparation and dissemination of Research operate and have a management reporting line independent of HSBC's Investment Banking business. Information Barrier procedures are in place between the Investment Banking, Principal Trading, and Research businesses to ensure that any confidential and/or price sensitive information is handled in an appropriate manner.
- 4 You are not permitted to use, for reference, any data in this document for the purpose of (i) determining the interest payable, or other sums due, under loan agreements or under other financial contracts or instruments, (ii) determining the price at which a financial instrument may be bought or sold or traded or redeemed, or the value of a financial instrument, and/or (iii) measuring the performance of a financial instrument or of an investment fund.



Disclaimer

Legal entities as at 1 December 2020

'UAE' HSBC Bank Middle East Limited, DIFC; HSBC Bank Middle East Limited, Dubai; 'HK' The Hongkong and Shanghai Banking Corporation Limited, Hong Kong; 'TW' HSBC Securities (Taiwan) Corporation Limited; 'CA' HSBC Securities (Canada) Inc.; 'France' HSBC Continental Europe; 'Spain' HSBC Continental Europe, Sucursal en España; 'Italy HSBC Continental Europe, Italy, 'Sweden' HSBC Continental Europe Bank, Sweden Filial; 'DE' HSBC Trinkaus & Burkhardt AG, Düsseldorf; 000 HSBC Bank (RR), Moscow, 'IN' HSBC Securities and Capital Markets (India) Private Limited, Mumbai; 'JP' HSBC Securities (Japan) Limited, Tokyo; 'EG' HSBC Securities Egypt SAE, Cairc, 'CN' HSBC Investment Bank Asia Limited, Beijing Representative Office; The Hongkong and Shanghai Banking Corporation Limited, Securities Branch; The Hongkong and Shanghai Banking Corporation Limited, Securities Branch; The Hongkong and Shanghai Banking Corporation Limited, Securities (USA) Inc, New York; HSBC HSBC Bank Plc, London, Tel Aviv; 'US' HSBC Bank Argentina SA; HSBC Saudi Arabia Limited; The Hongkong and Shanghai Banking Corporation Limited, Securities (USA) Inc, New York; HSBC Limited; The Hongkong and Shanghai Banking Corporation Limited, New Zealand Branch incorporated in Hong Kong SAR; The Hongkong and Shanghai Banking Corporation Limited, Bangkok Branch: PT Bank HSBC Indonesia: HSBC Gianhai Securities Limited: Banco HSBC S.A.

Issuer of report

The Hongkong and Shanghai Banking Corporation Limited

Level 19, 1 Queen's Road Central

Hong Kong SAR

Telephone: +852 2843 9111

Fax +852 2801 4138

Website: www.research.hsbc.com

The Hongkong and Shanghai Banking Corporation Limited ("HSBC") has issued this research material. The Hongkong and Shanghai Banking Corporation Limited by the Hong Kong Monetary Authority. If it is received by a customer of an affiliate of HSBC, its provision to the recipient is subject to the terms of business in place between the recipient and such affiliate.

In the UK, this publication is distributed by HSBC Bank plc for the information of its Clients (as defined in the Rules of FCA) and those of its affiliates only. Nothing herein excludes or restricts any duty or liability to a customer which HSBC Bank plc has under the Financial Services and Markets Act 2000 or under the Rules of FCA and PRA. A recipient who chooses to deal with any person who is not a representative of HSBC Bank plc in the UK will not enjoy the protections afforded by the UK regulatory regime. HSBC Bank plc is regulated by the Financial Conduct Authority and the Prudential Regulation Authority. In Australia, this publication has been distributed by The Hongkong and Shanghai Banking Corporation Limited (ABN 65 117 925 970, AFSL 301737) for the general information of its "wholesale" customers (as defined in the Corporations Act 2001). Where distributed to retail customers, this research is distributed by HSBC Bank Australia Limited (ABN 48 006 434 162, AFSL No. 232595). These respective entities make no representations that the products or services mentioned in this document are available to persons in Australia or are necessarily suitable for any particular person or appropriate in accordance with local law. No consideration has been given to the particular investment objectives, financial situation or particular needs of any recipient. This publication is distributed in New Zealand by The Hongkong and Shanghai Banking Corporation Limited. New Zealand Branch incorporated in Hong Kong SAR.

In the European Economic Area, this publication has been distributed by HSBC Continental Europe or by such other HSBC affiliate from which the recipient receives relevant services

This material is distributed in Japan by HSBC Securities (Japan) Limited. HSBC Securities (USA) Inc. accepts responsibility for the content of this research report prepared by its non-US foreign affiliate. The information contained herein is under no circumstances to be construed as investment advice and is not tailored to the needs of the recipient. All US persons receiving and/or accessing this report and intending to effect transactions in any security discussed herein should do so with HSBC Securities (USA) Inc. in the United States and not with is report. In Korea, this publication is distributed by either The Hongkong and Shanghai Banking Corporation Limited, Seoul Securities Branch ("HBAP SLS") or The Hongkong and Shanghai Banking Corporation Limited, Seoul Securities Branch ("HBAP SLS") or The Hongkong and Shanghai Banking Corporation Limited in whole or in part for any purpose. Both HBAP SLS and HBAP SEL are regulated by the Financial Investment Services Commission and the Financial Supervisory Service of Korea. In Singapore, this publication is distributed by The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch for the general information of institutional investors or other persons specified in Sections 274 and 304 of the Securities and Futures Act (Chapter 289) ("SFA") and accredited investors and other persons in accordance with the conditions specified in Sections 275 and 305 of the SFA. Only Economics or Currencies reports are intended for distribution to a person who is not an Accredited Investor, Expert Investor or Institutional Investor as defined in SFA. The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch accepts legal responsibility for the contents of reports pursuant to Regulation 32C(1)(d) of the Financial Advisers Regulations. This publication is not a prospectus as defined in the SFA. It may not be further distributed in whole or in part for any purpose. The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch is regulated by the Mone

In Canada, this document has been distributed by HSBC Securities (Canada) Inc. (member IIROC), and/or its affiliates. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed judgment upon these materials, the information contained herein or the merits of the securities described herein, and any representation to the contrary is an offense. In Brazil, this document has been distributed by Banco HSBC S.A. ("HSBC Brazil"), and/or its affiliates. As required by Instruction No. 598/18 of the Securities and Exchange Commission of Brazil (Comissão de Valores Mobiliários), potential conflicts of interest concerning (i) HSBC Brazil and/or its affiliates; and (ii) the analyst(s) responsible for authoring this report are stated on the chart above labelled "HSBC & Analyst Disclosures".

Any recommendations contained in it are intended for the professional investors to whom it is distributed. This material is not and should not be construed as an offer to sell or the solicitation of an offer to purchase or subscribe for any investment. HSBC has based this document on information obtained from sources it believes to be reliable but which it has not independently verified; HSBC makes no guarantee, representation or warranty and accepts no responsibility or liability as to its accuracy or completeness. Expressions of opinion are those of HSBC only and are subject to change without notice. From time to time research analysts conduct site visits of covered issuers. HSBC policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits. The decision and responsibility on whether or not to invest must be taken by the reader. HSBC and its affiliates and/or their officers, directors and employees may have positions in any securities mentioned in this document (or in any related investment) and may from time to time add to or dispose of any such securities (or investment). HSBC and its affiliates may act as market maker or have assumed an underwriting commitment in the securities of any companies discussed in this document (or in related investments), may sell them to or buy them from customers on a principal basis and may also perform or seek to perform banking or underwriting services for or relating to those companies. This material may not be further distributed in whole or in part for any purpose. No consideration has been given to the particular investment objectives, financial situation or particular needs of any recipient. (070905)

If you are an HSBC Private Banking ("PB") customer with approval for receipt of relevant research publications by an applicable HSBC legal entity, you are eligible to receive this publication. To be eligible to receive such publications, you must have agreed to the applicable HSBC entity sterms and conditions ("KRCTerms") for access to the KRC, and the terms and conditions of any other internet banking service offered by that HSBC entity through which you will access research publications using the KRC. Distribution of this publication is the sole responsibility of the HSBC entity with whom you have agreed the KRC Terms.

If you do not meet the aforementioned eligibility requirements please disregard this publication and, if you are a customer of PB, please notify your Relationship Manager. Receipt of research publications is strictly subject to the KRC Terms, which can be found at https://research.privatebank/hsbc.com/ – we draw your attention also to the provisions contained in the Important Notes section therein.

© Copyright 2021, The Horgkong and Shanghai Banking Corporation Limited, ALL RIGHTS RESERVED. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, on any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of The Hongkong and Shanghai Banking Corporation Limited, MCI (P) 016/02/2020, MCI (P) 087/10/2020

