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# Outlook for China: Slowing exports, housing deflating, and demographics deteriorating

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China: Overview

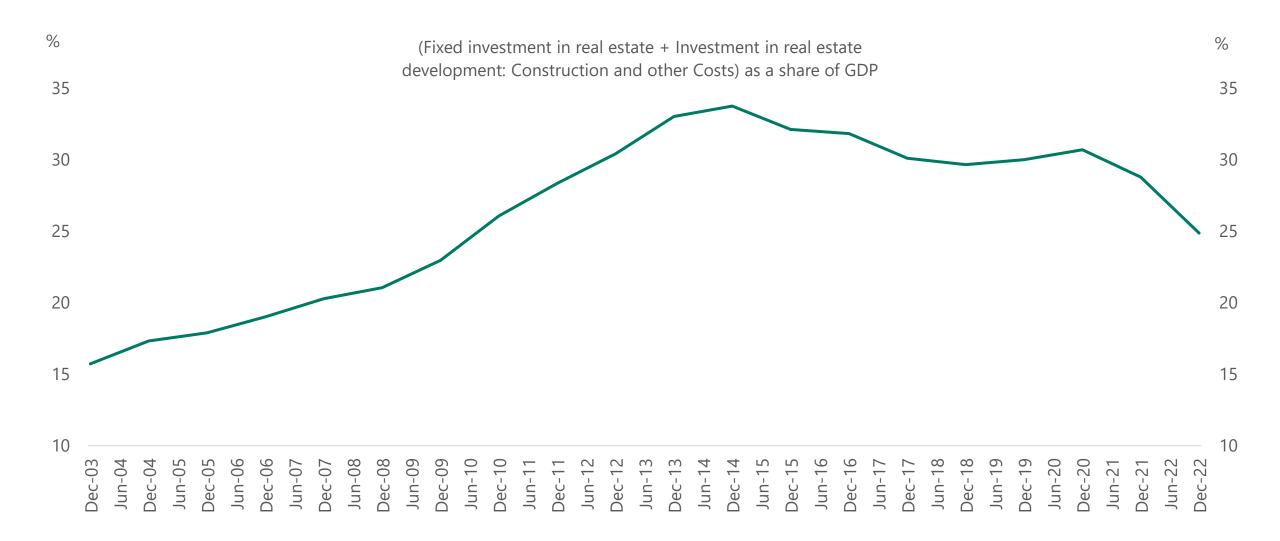
#### China: Exports are slowing



Source: Bloomberg, Apollo Chief Economist

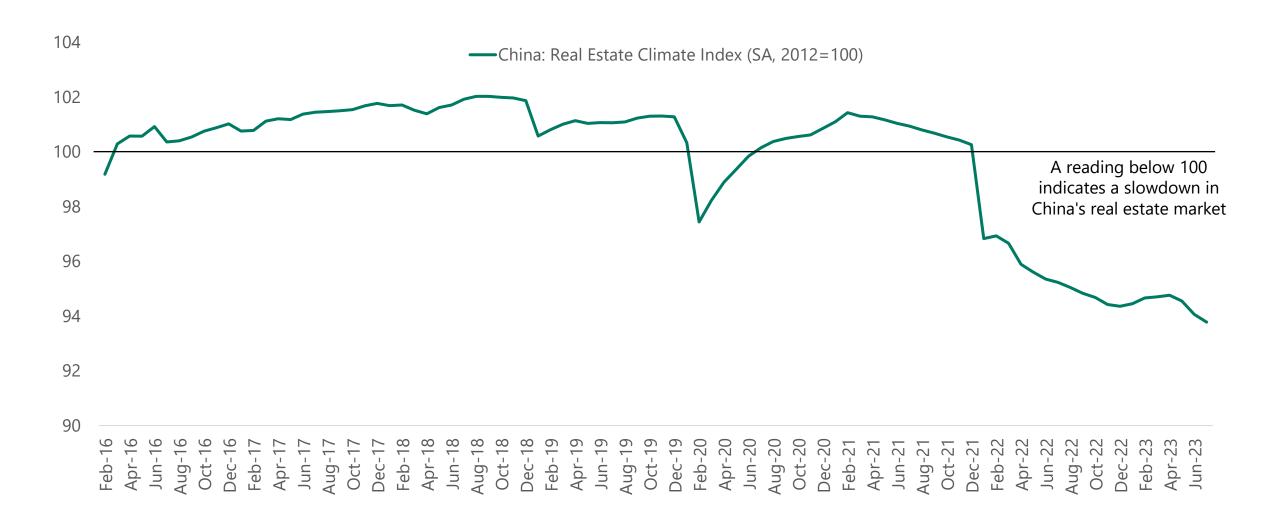
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## China: Housing makes up 25% of GDP



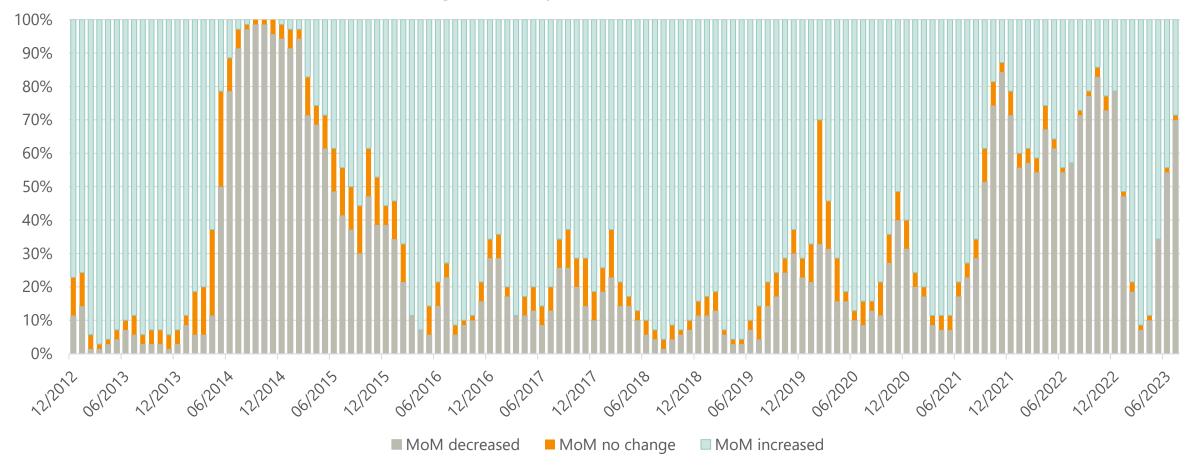
Source: Haver, Apollo Chief Economist.

#### China real estate climate index in recession territory



#### Housing market cooling down in China

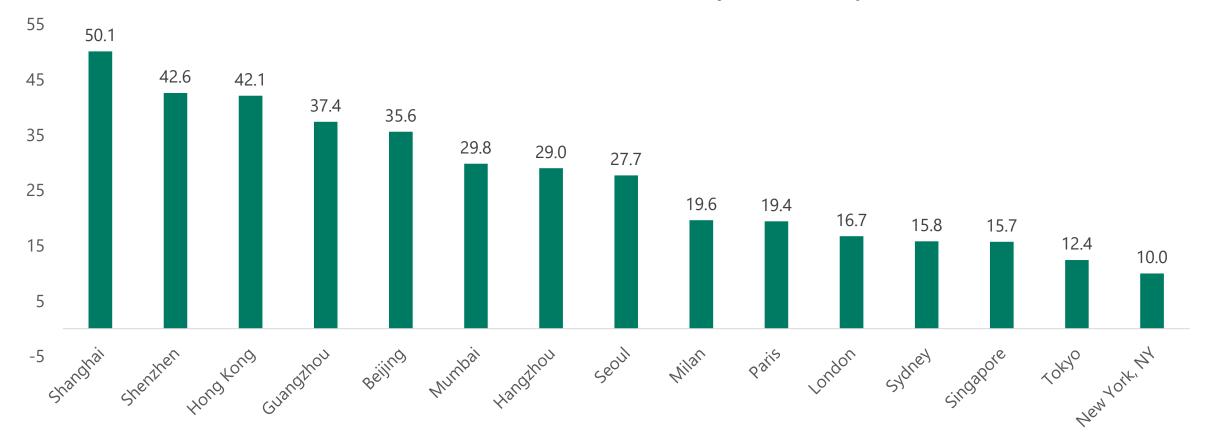




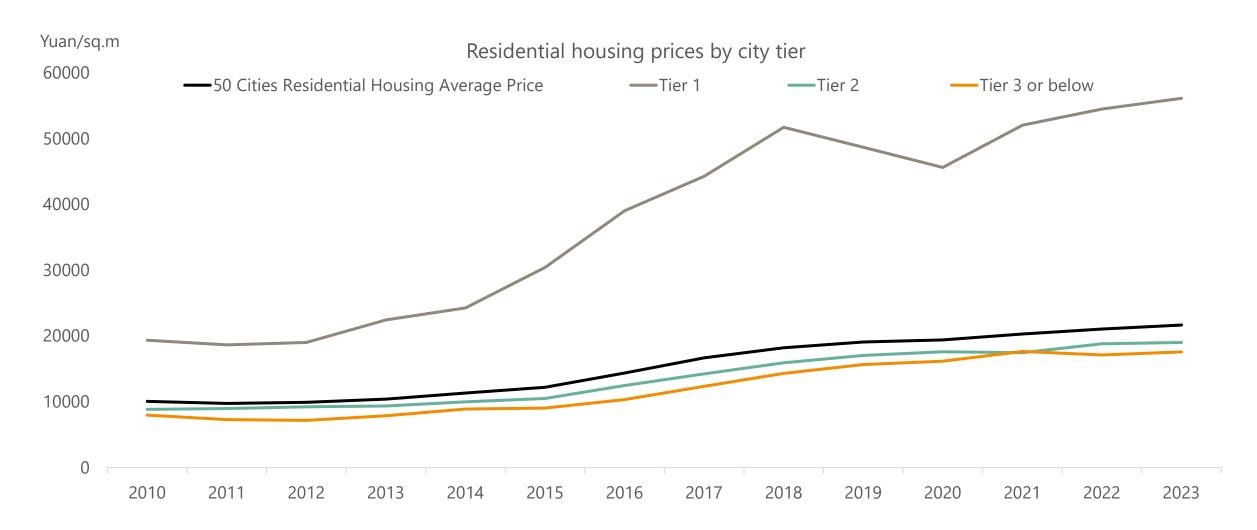
Source: Bloomberg, Apollo Chief Economist

### Home price-to-income ratio five times higher in Shanghai than in New York

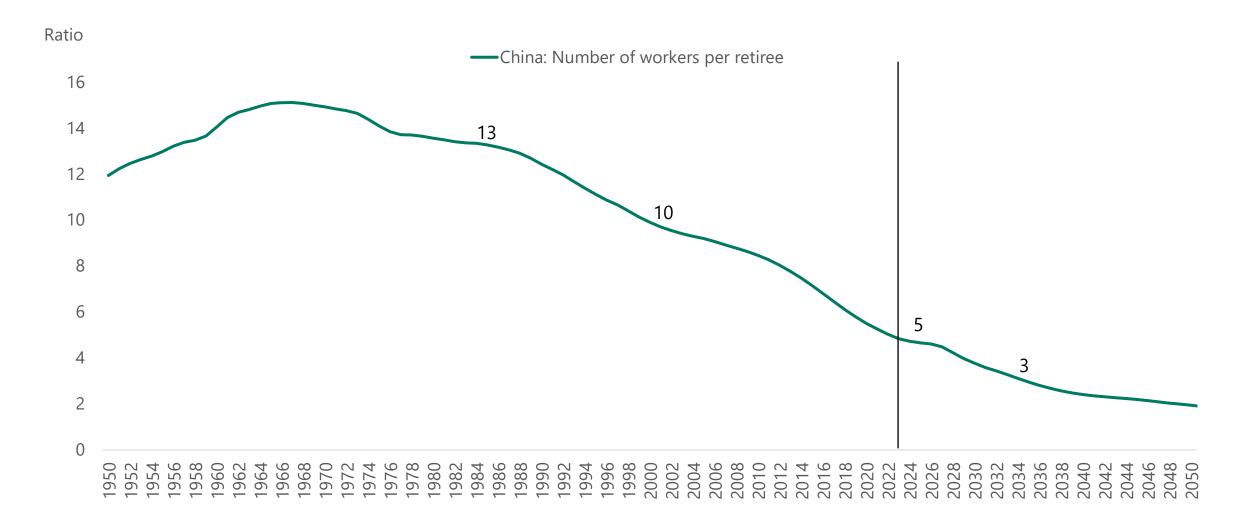




#### Homes cost three times more in Tier 1 cities than in Tier 2 and Tier 3 cities

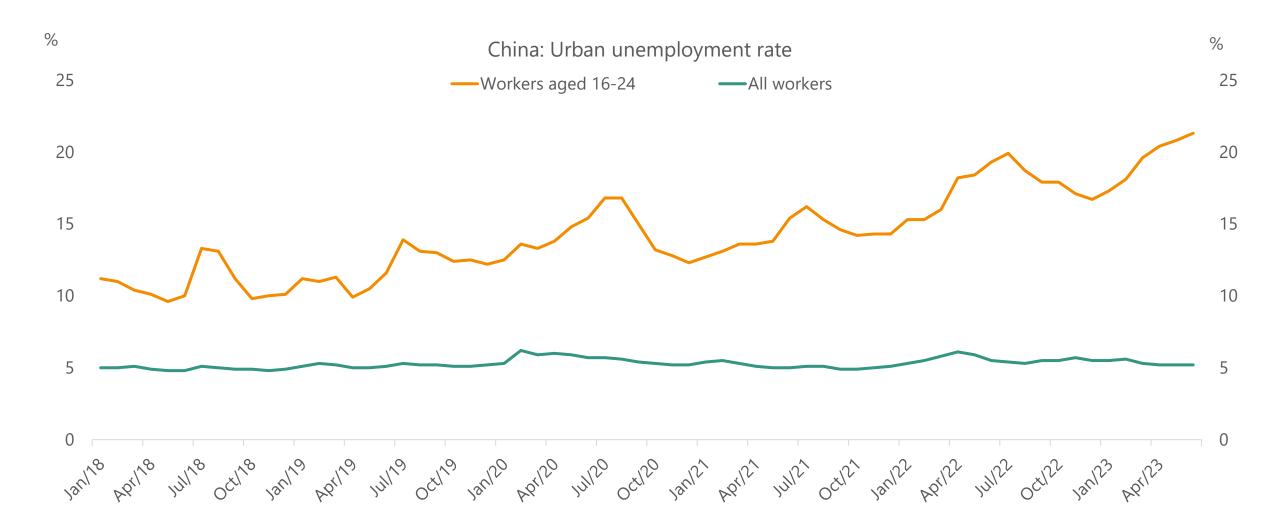


#### China: In 2000 there were 10 workers per retiree. Today there are 5.



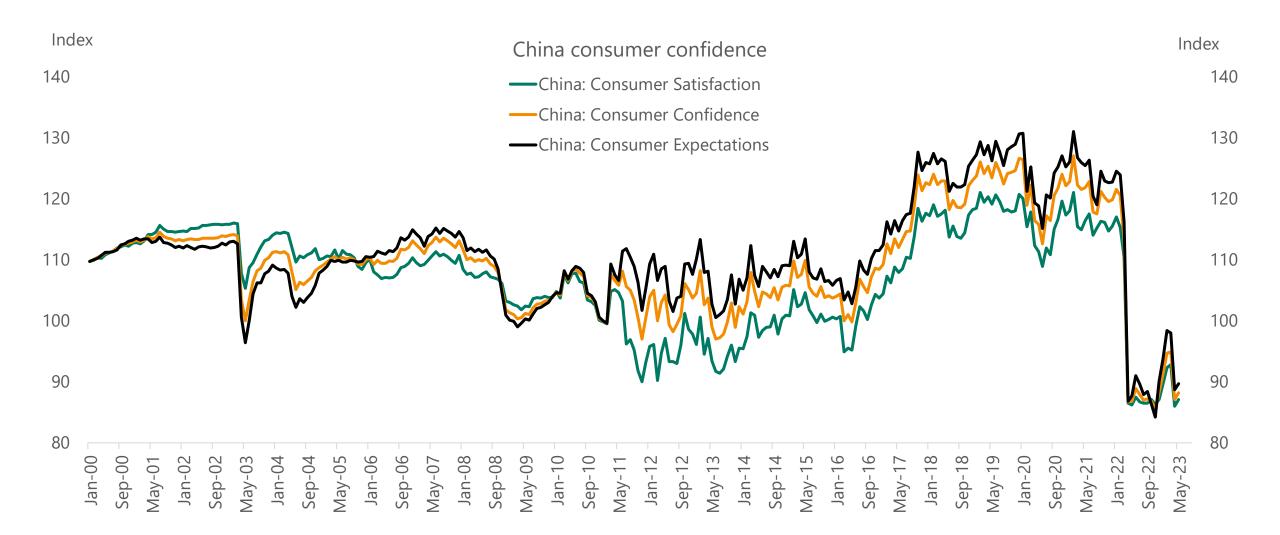
Source: UN, Haver, Apollo Chief Economist

#### High and rising youth unemployment in China



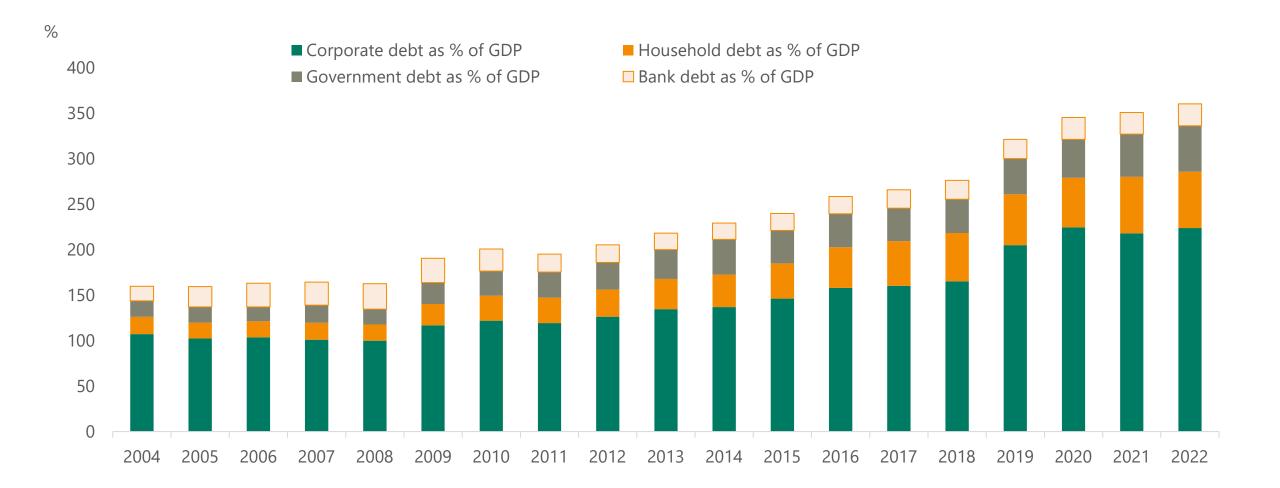
Source: NBS, Bloomberg, Apollo Chief Economist

#### China: Consumer confidence is down



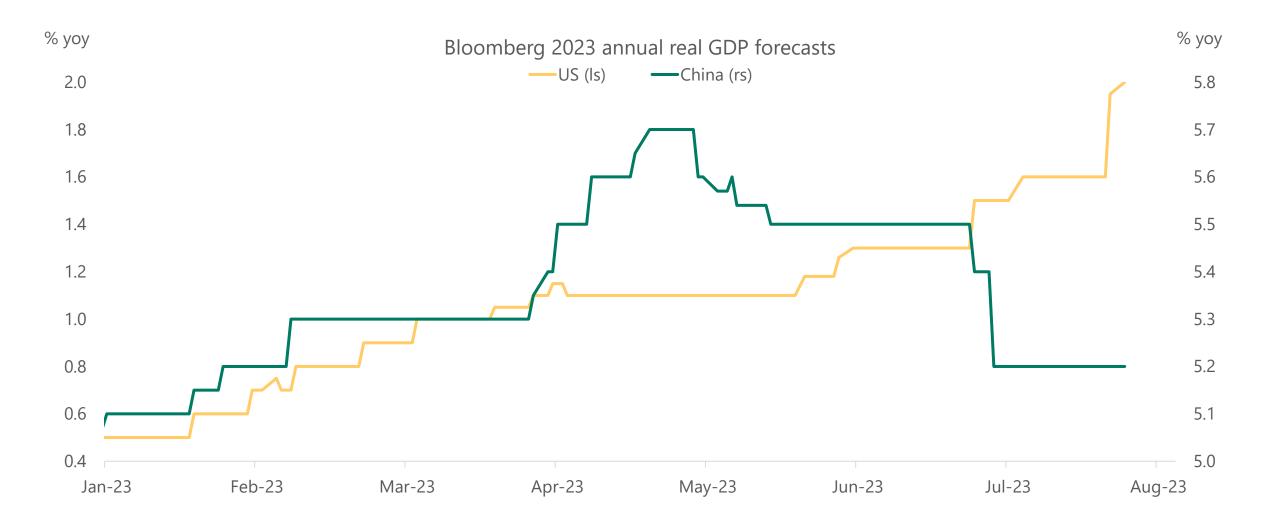
Source: NBS, Haver, Apollo Chief Economist

# China: High debt levels



Source: Bloomberg, Apollo Chief Economist

## Near term growth outlook for China is deteriorating

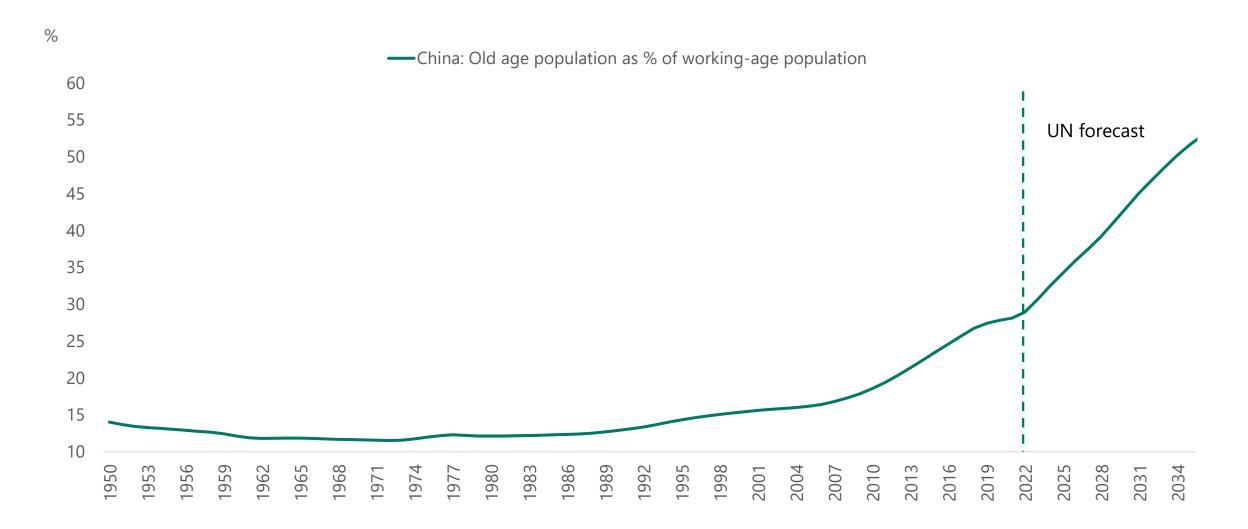


Source: Bloomberg, Apollo Chief Economist

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China: Demographics

# China: Dependency ratio approaching 50% over the coming decade



#### Population growth declining

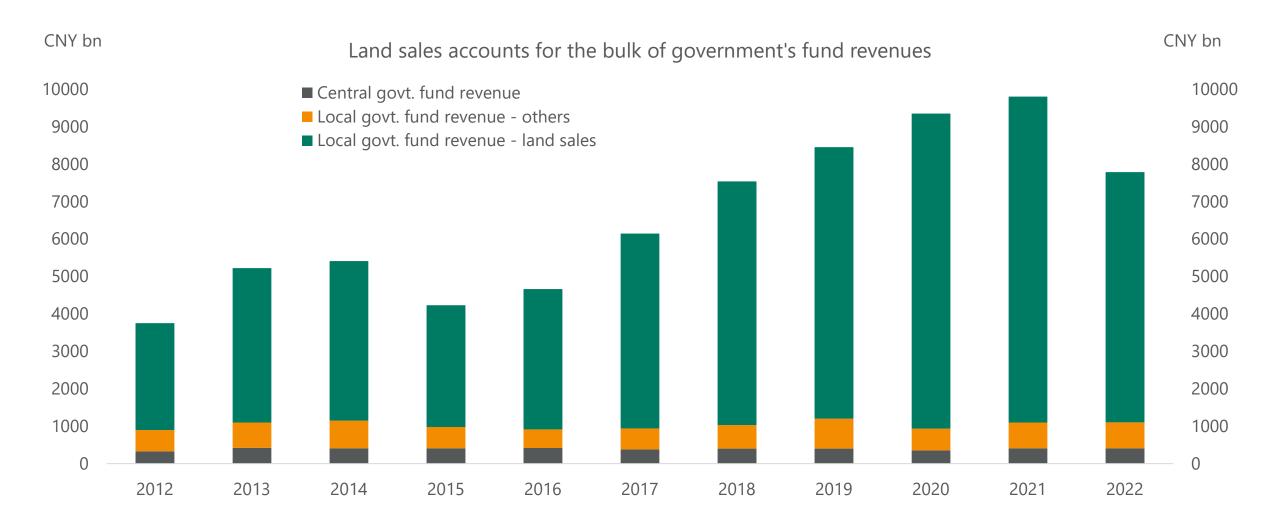


Source: China National Bureau of Statistics, Haver Analytics, Apollo Chief Economist

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Real estate playing a key role in the Chinese economy

## Land sales are crucial source of local government revenue



#### Sales slowing of homes in Tier 1 and Tier 2 cities

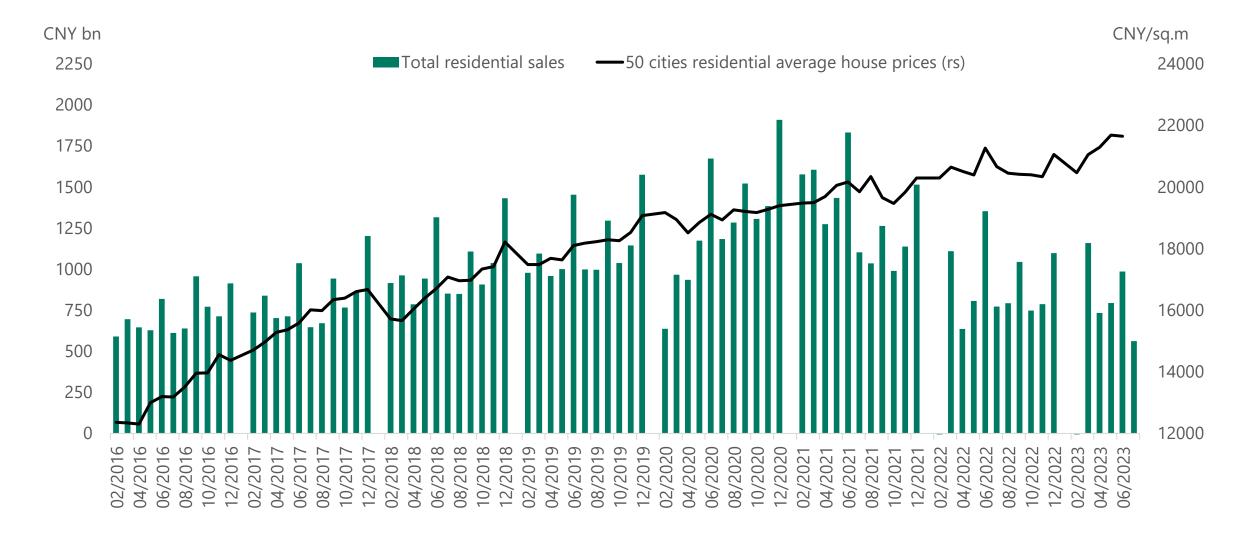


#### Housing market starting to cool down in China



Source: Bloomberg, Apollo Chief Economist

#### Housing market starting to cool down in China



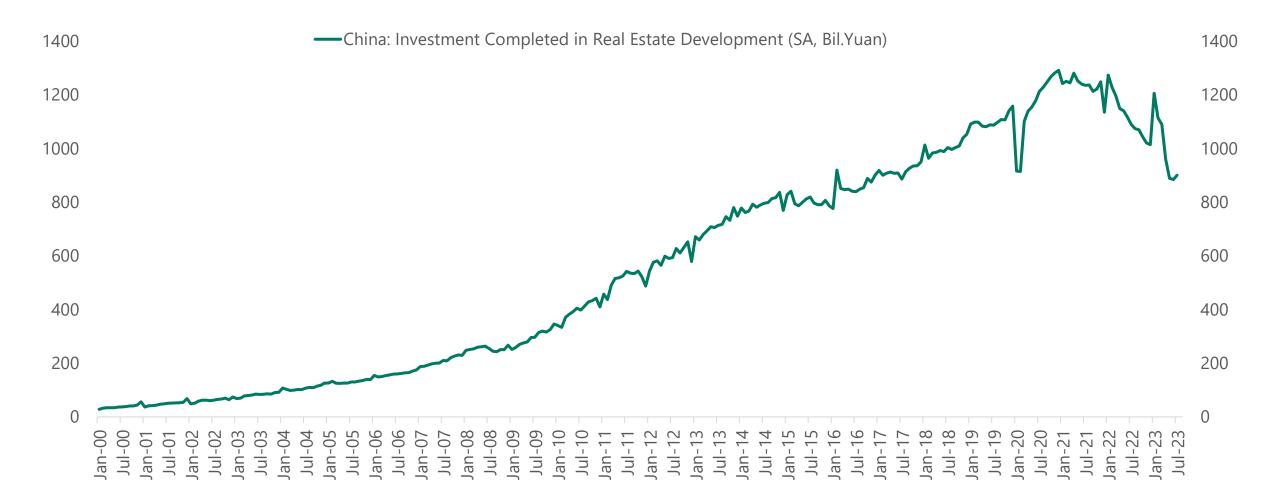
Source: CRIC, Bloomberg, Apollo Chief Economist

#### Beijing home price inflation slowing down



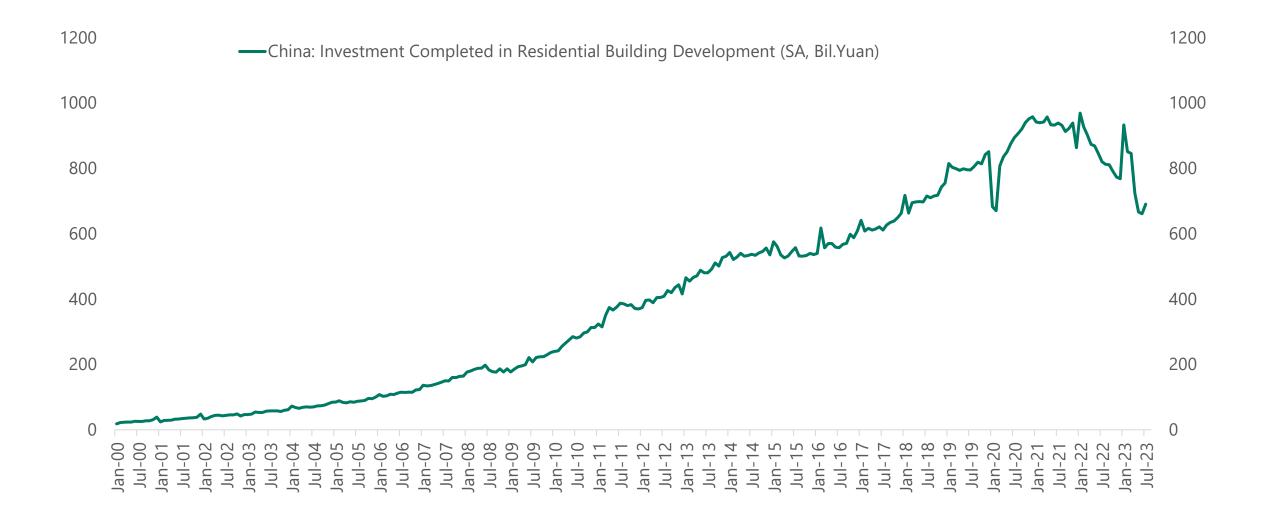
Source: BIS, Haver, Apollo Chief Economist

## China: Real estate investment slowing



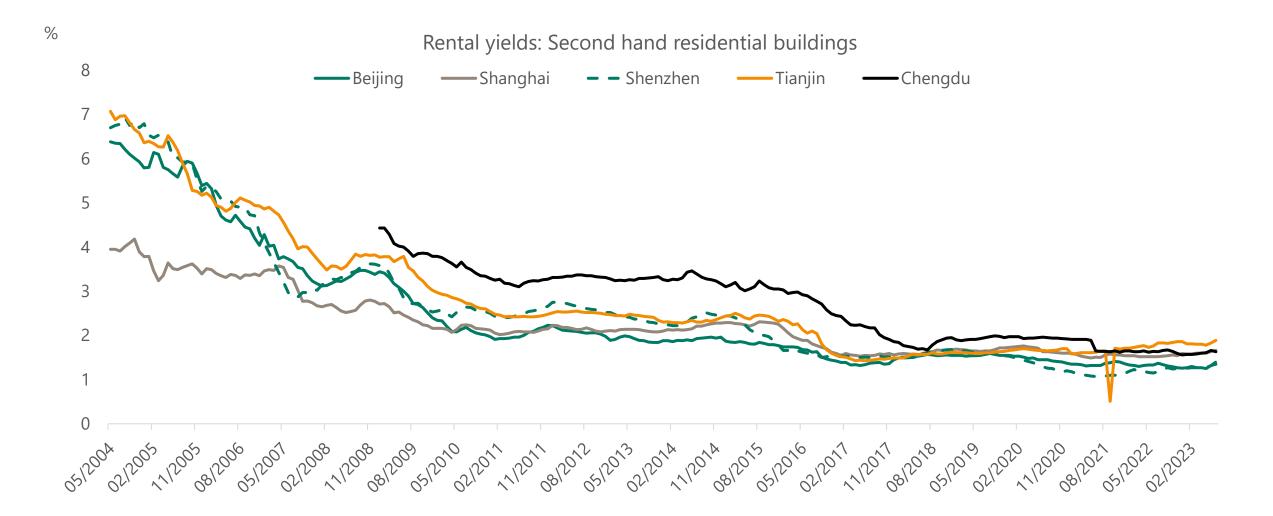
Source: Haver, Apollo Chief Economist

## Residential real estate investment slowing



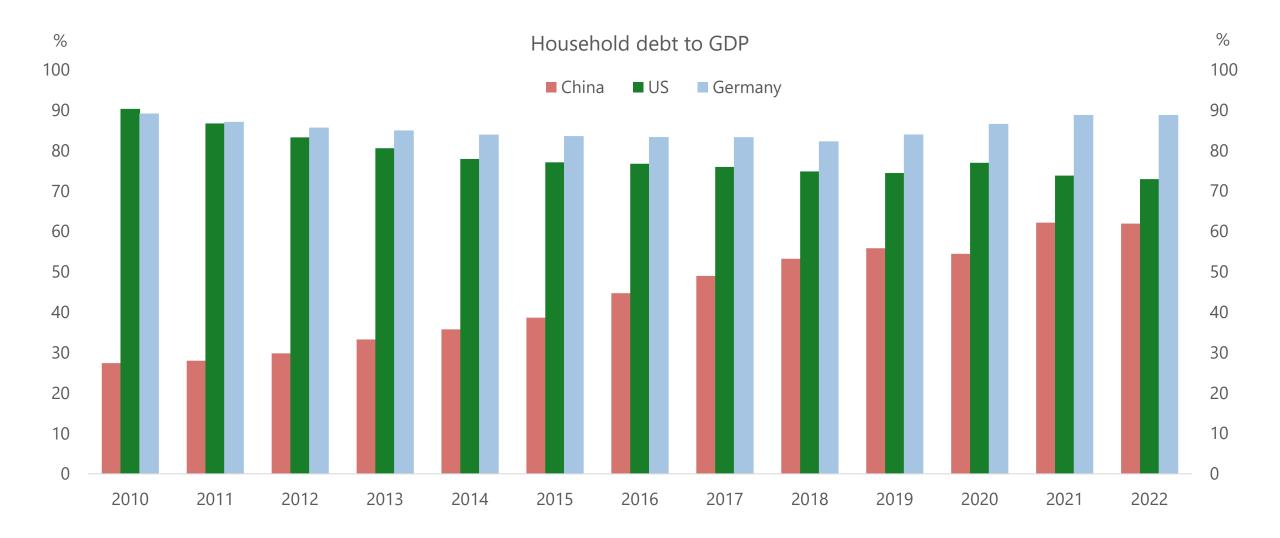
Source: Haver, Apollo Chief Economist

#### Rental yields at second hand residential buildings



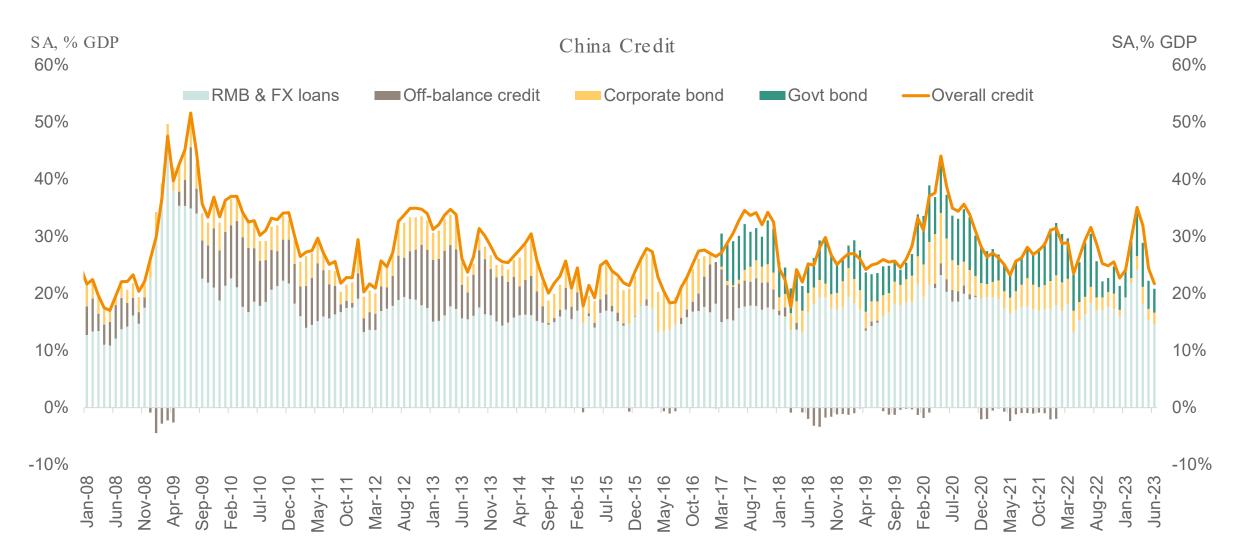
China: Debt and financing

#### Household debt to GDP has increased steadily in China

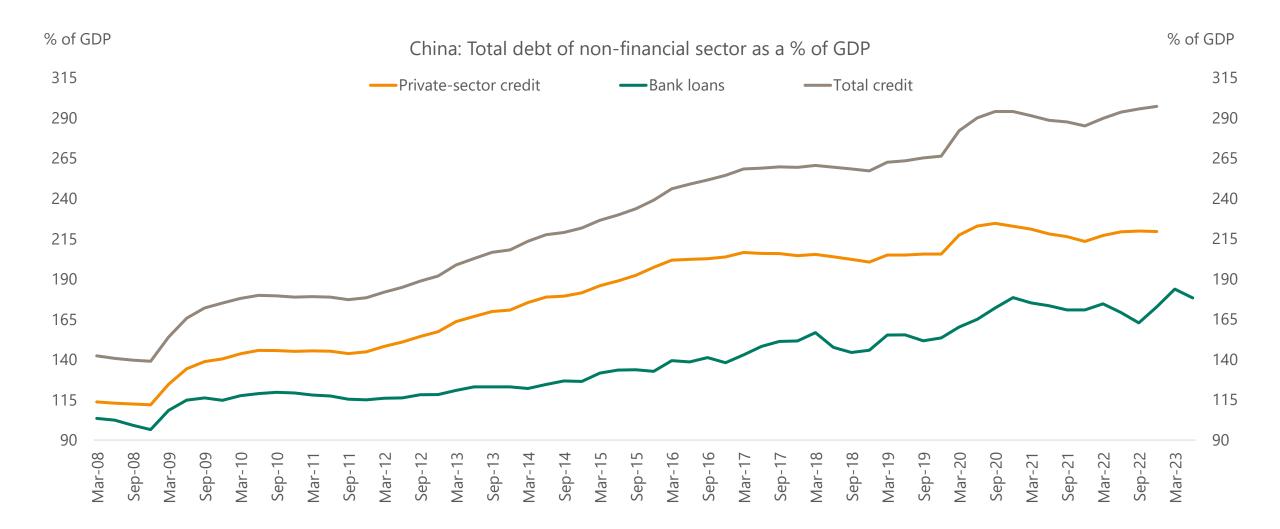


Source: Bloomberg, Apollo Chief Economist

#### China credit growth

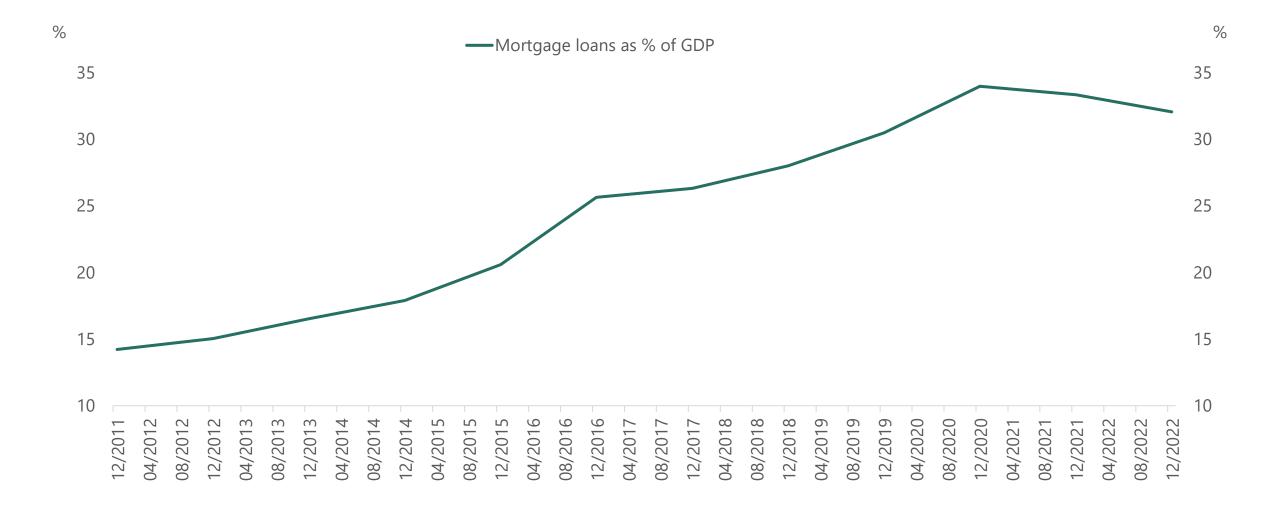


#### China: Debt levels have increased in the private sector



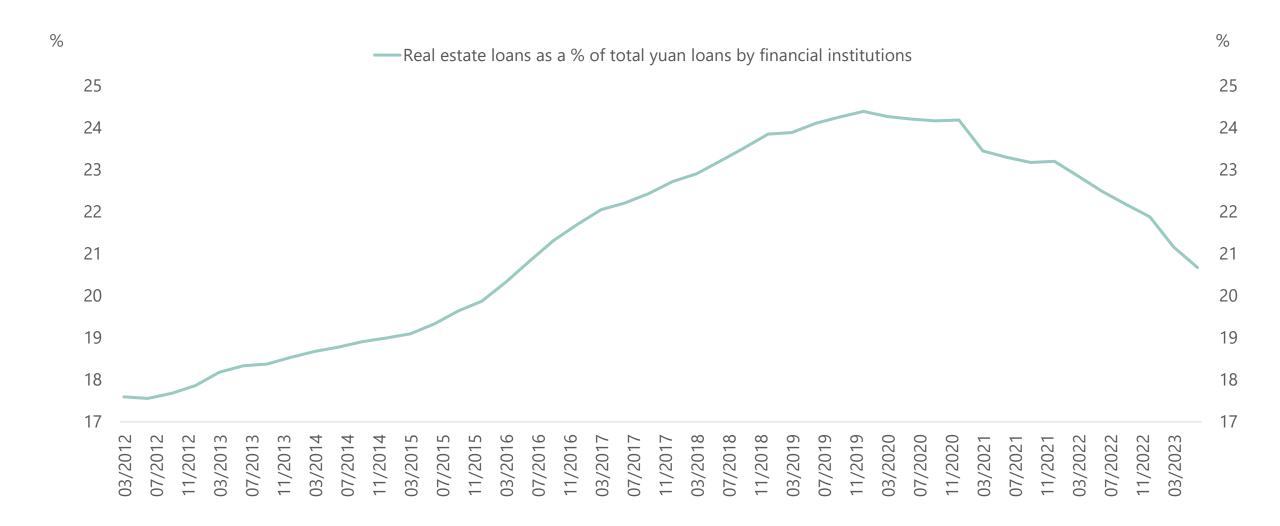
Source: BIS, Bloomberg, Apollo Chief Economist

# China's mortgage liabilities as a share of GDP



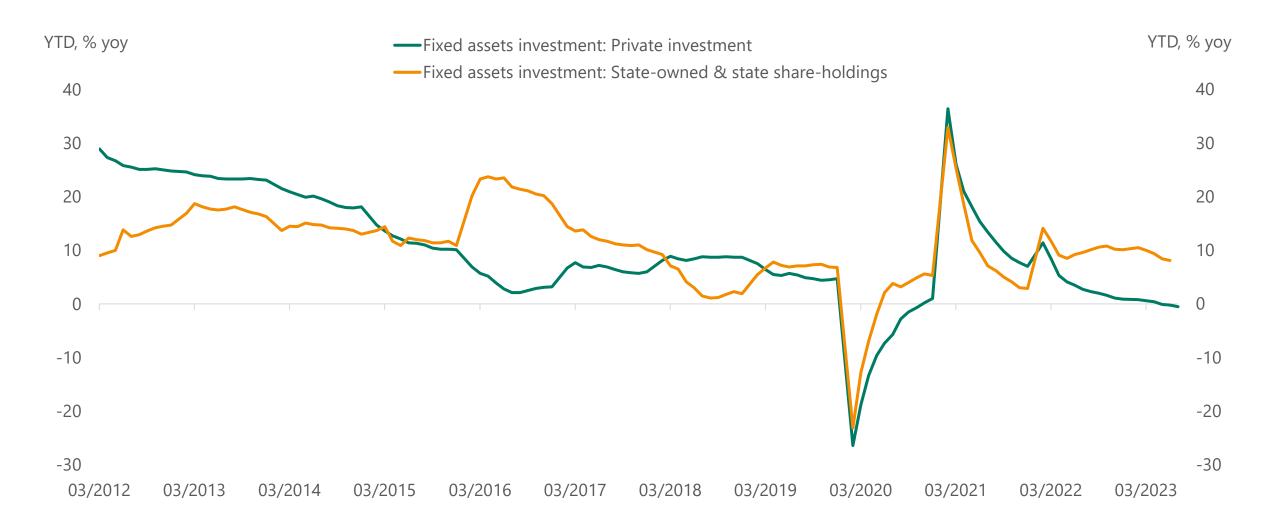
Source: PBoC, Bloomberg, Apollo Chief Economist

# Real estate loans making up a smaller part of total lending



Source: Bloomberg, Apollo Chief Economist

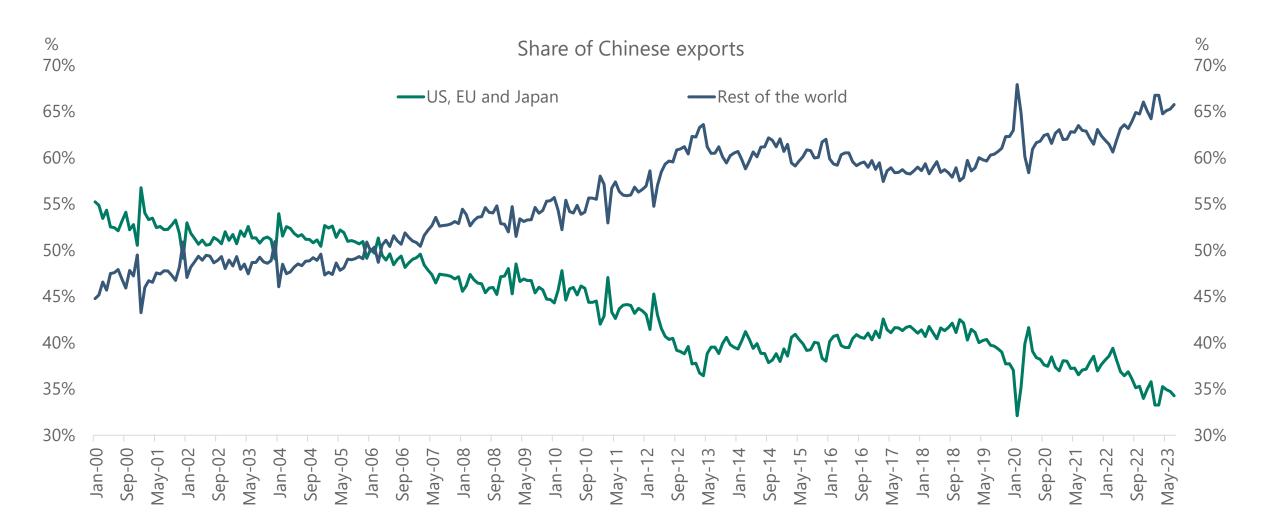
# China: Private investment growth is declining



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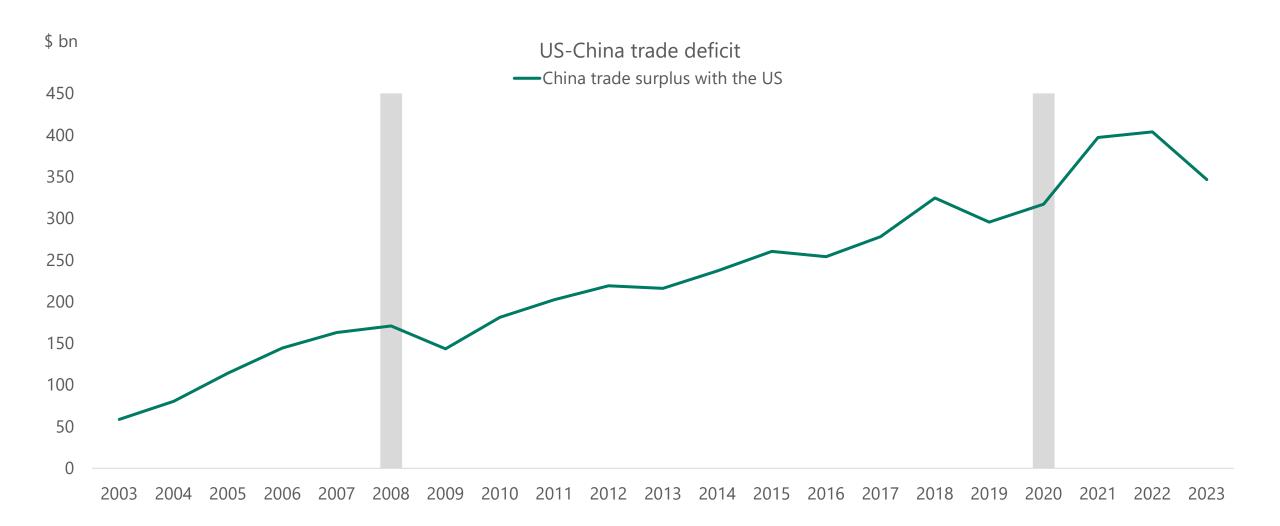
Chinese trade with the US

#### Chinese exports to US, EU and Japan declining

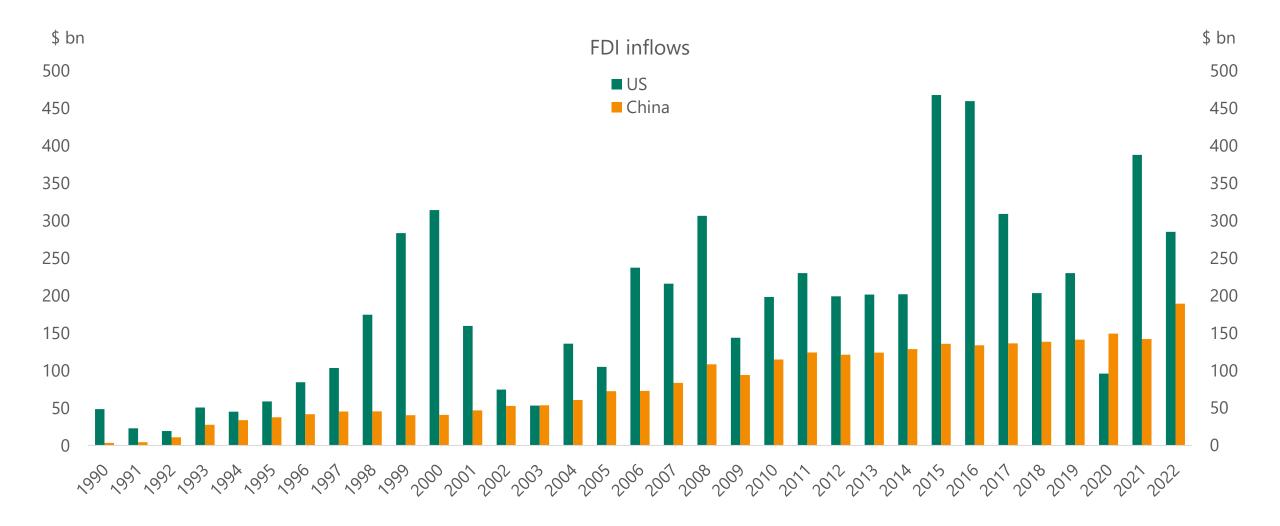


Source: General Administration of Customs, China, Haver Analytics, Apollo Chief Economist

# US-China trade deficit has been growing



#### China and US: Comparing foreign direct investment



# In 2000, China was not the top export destination for any of the G20 countries



Source: IMF DOT, Haver Analytics, Apollo Chief Economist 38

# In 2022, China was the top export destination for 8 of the G20 countries

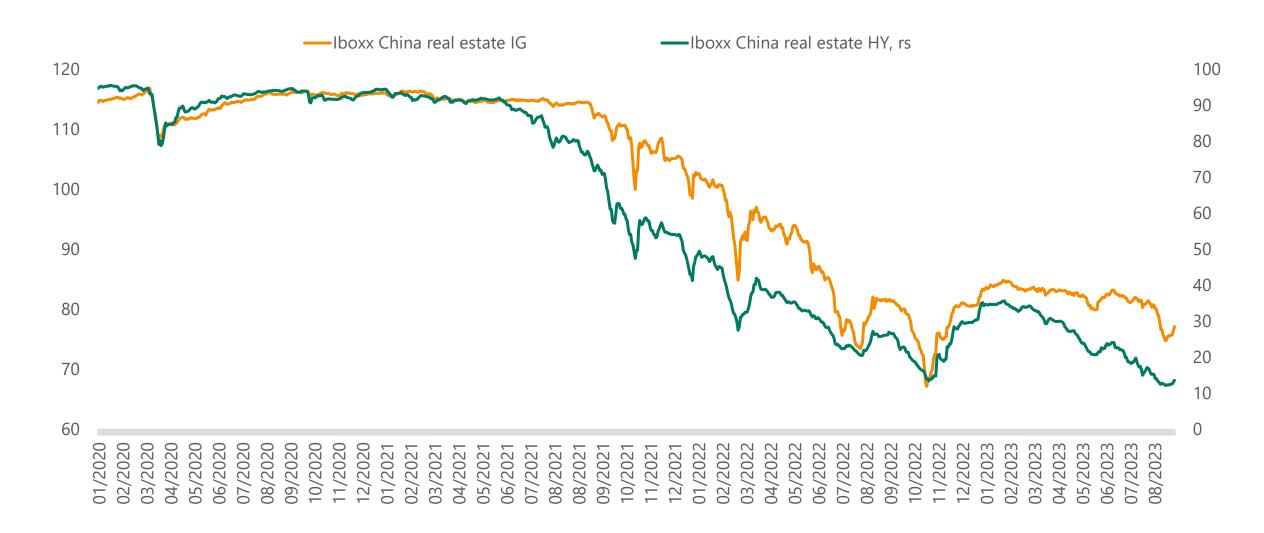


Source: IMF DOT, Haver Analytics, Apollo Chief Economist

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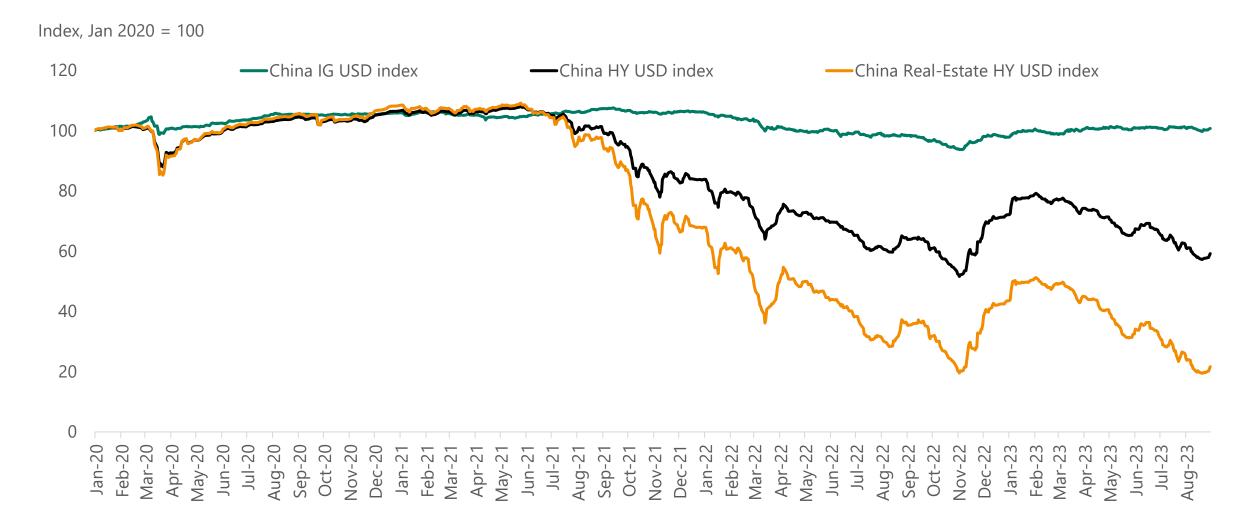
China IG and HY

#### China IG and HY credit: Developers have been hit hard



Source: Bloomberg, Apollo Chief Economist 4

#### China's HY real estate index is down



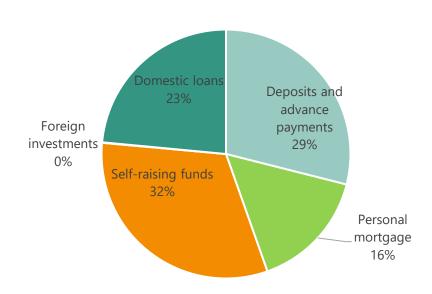
Source: Bloomberg, Apollo Chief Economist 4,

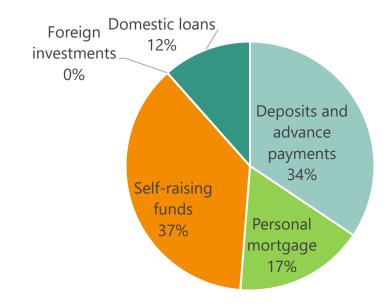
# Global holdings of Chinese stocks and bonds



# China: Sources of funds for real estate developers

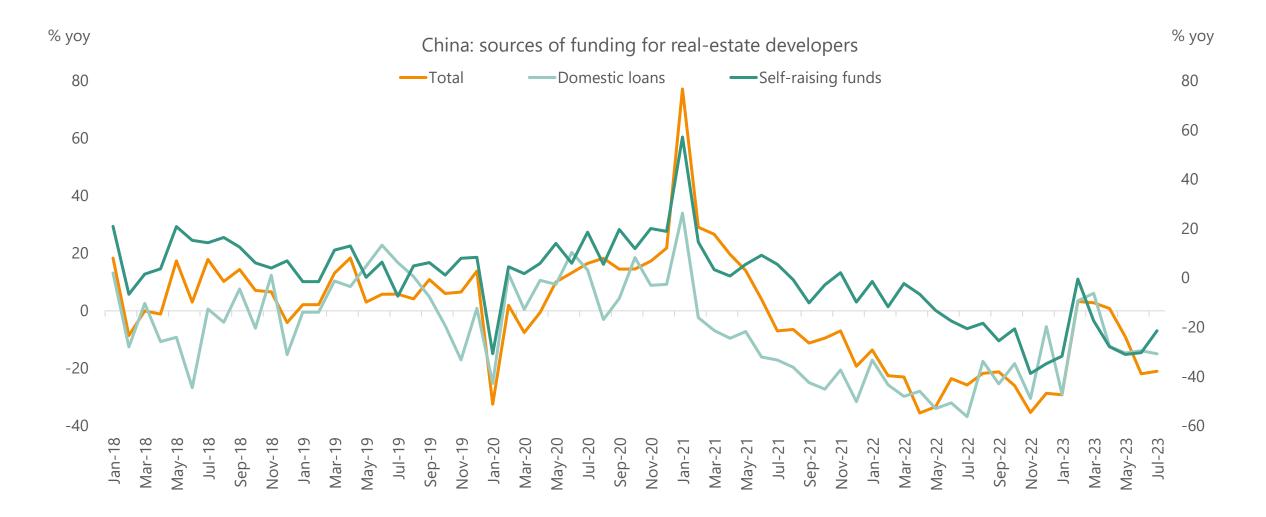
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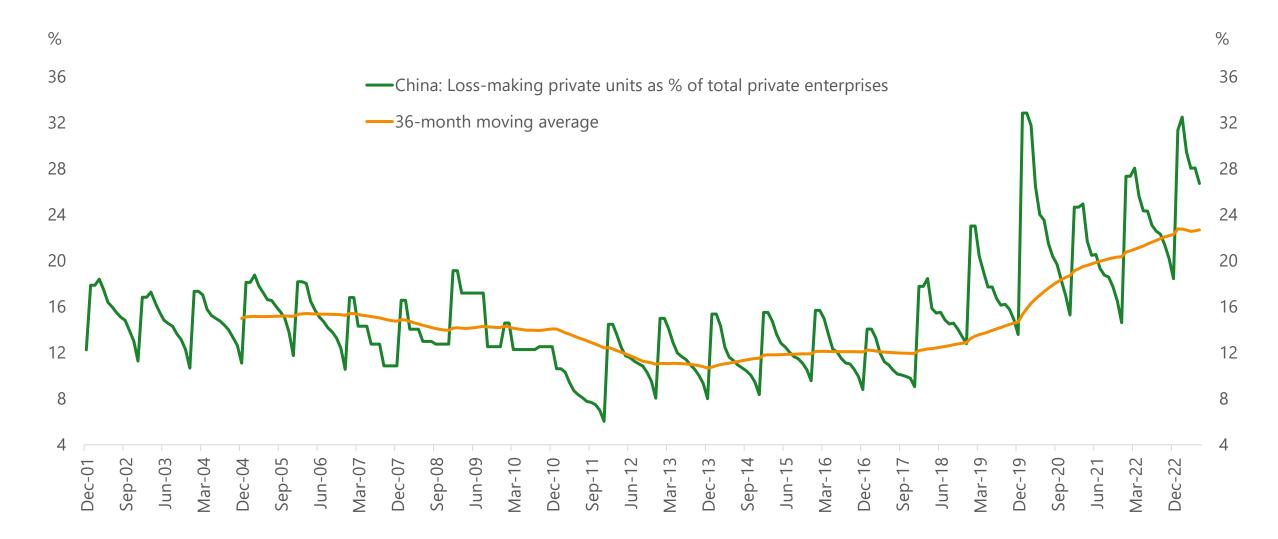
Sources: NBS, Haver, Apollo Chief Economist

#### China: sources of funds for real estate developers continue to decline



Sources: NBS, Haver, Apollo Chief Economist 45

## A trend increase in the share of Chinese private firms that are loss-making





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Torsten Slok joined Apollo in August 2020 as Chief Economist and he leads Apollo's macroeconomic and market analysis across the platform.

Prior to joining, Mr. Slok worked for 15 years as Chief Economist at Deutsche Bank where his team was top ranked in the annual Institutional Investor survey for a decade. Prior to joining Deutsche Bank Mr. Slok worked at the IMF in Washington, DC and at the OECD in Paris.

Mr. Slok has a Ph.D in Economics and has studied at the University of Copenhagen and Princeton University.