

**nuveen**  
REAL ESTATE

---

# Perspectives in today's real estate market

09 June 2020

Nuveen Real Estate Global Research

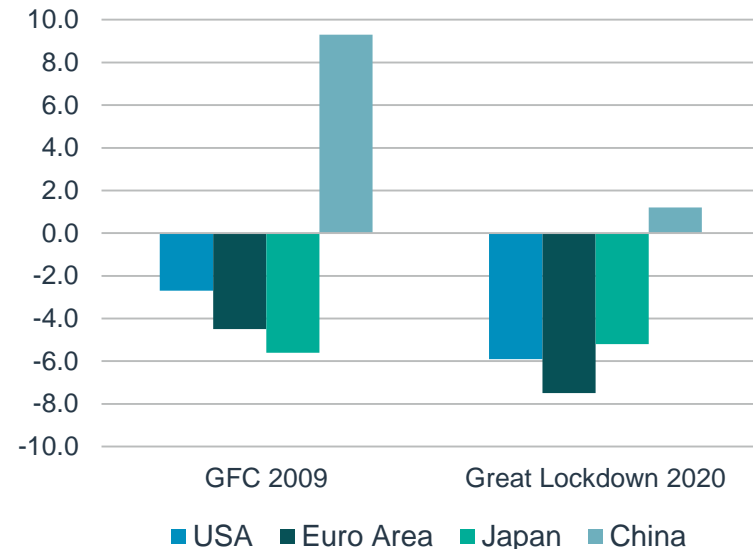
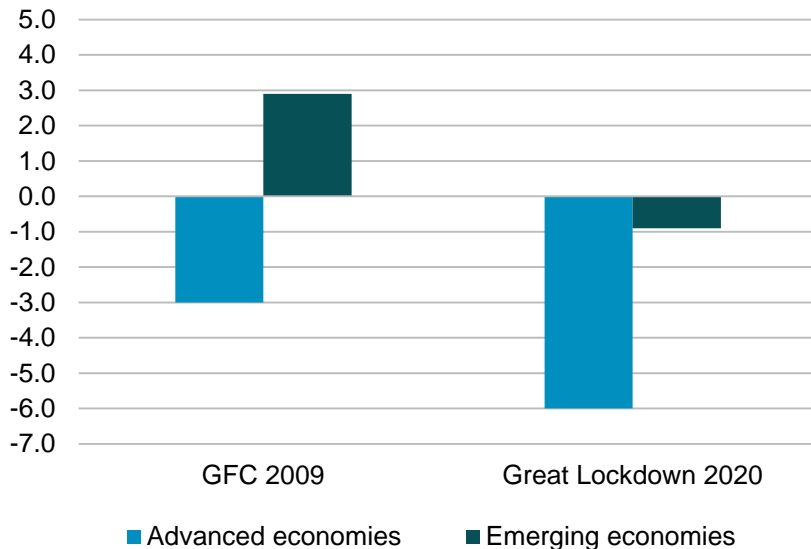


# Real estate investing in a post-coronavirus world

## Macro backdrop: GFC pales in comparison to the Great Lockdown

- The last 30 years of cap rate compression is likely over given the very low interest rate environment.
- Next decade is likely to be slow growth given high government debt burdens post-coronavirus, favoring property types that rely less on economic growth to generate income.
- More pandemics are likely to occur in the future which means real estate portfolios need to be positioned for more resilience from a property type, city, and tenant perspective.

### Global GDP base case growth projections GFC pales in comparison to the Great Lockdown

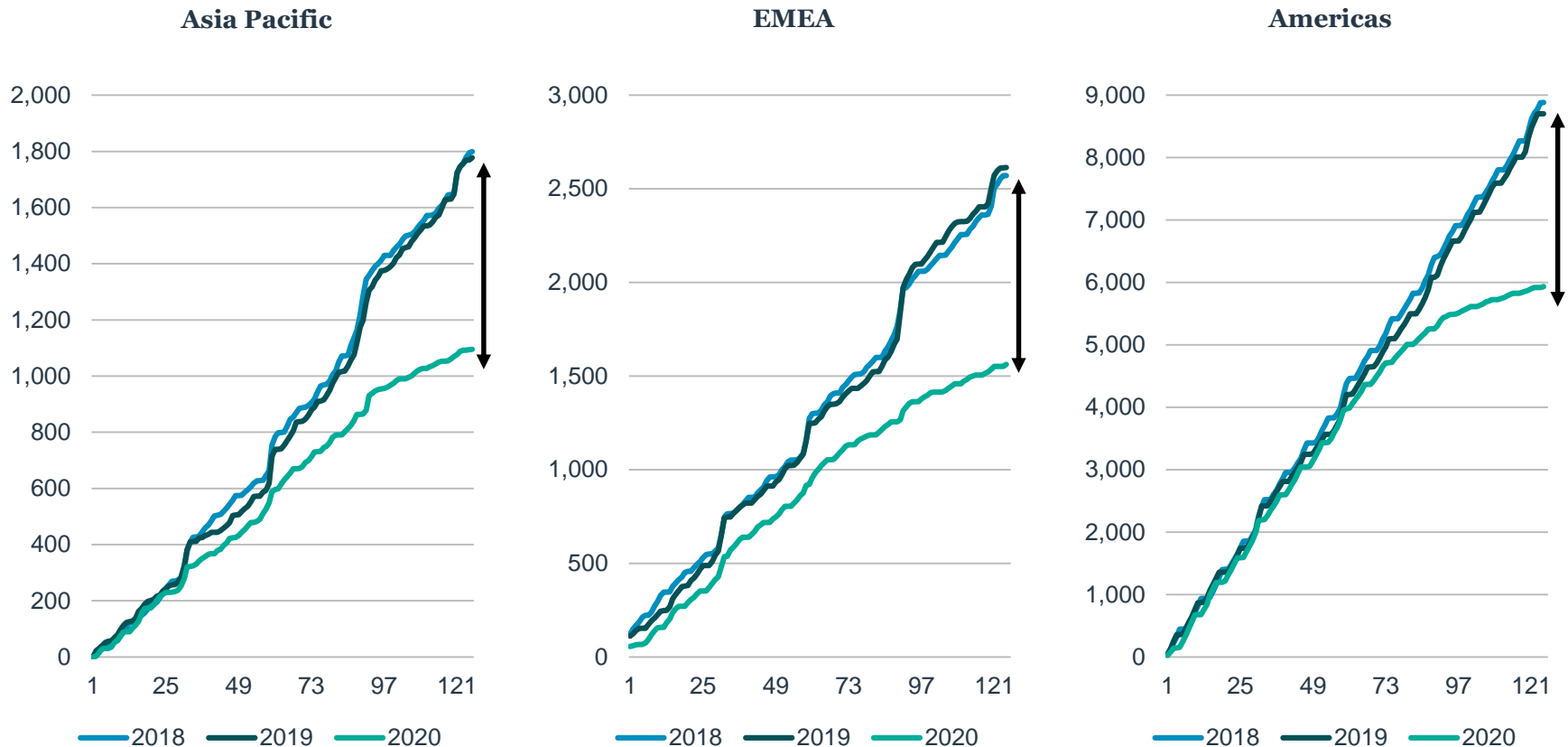


Source: Nuveen Real Estate, IMF

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

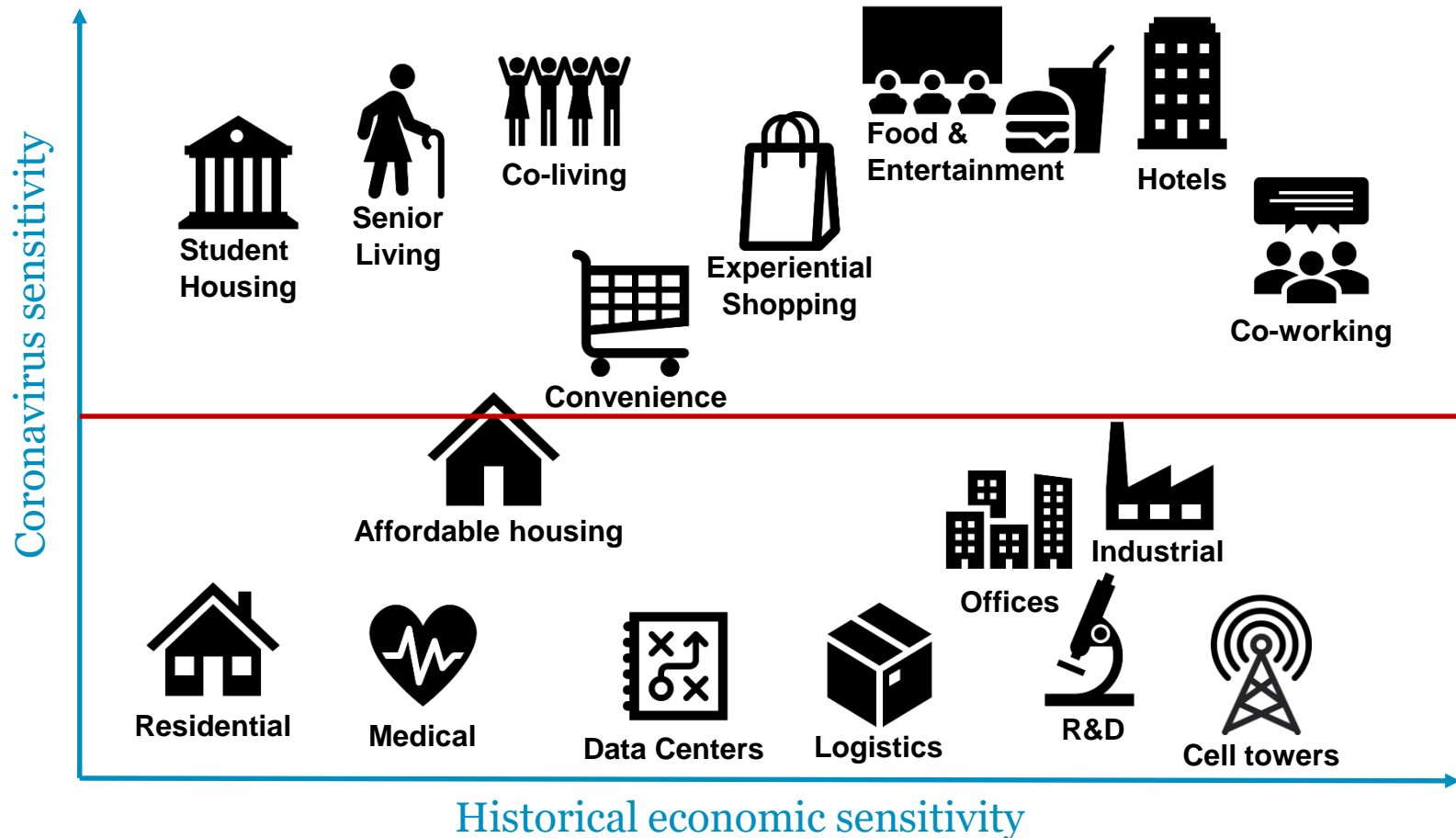
# Global slowdown of real estate investment activity

Asia and Europe ahead of the curve (Cumulative daily deal count)



Source: RCA  
OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Sector sensitivity differs from previous recessions

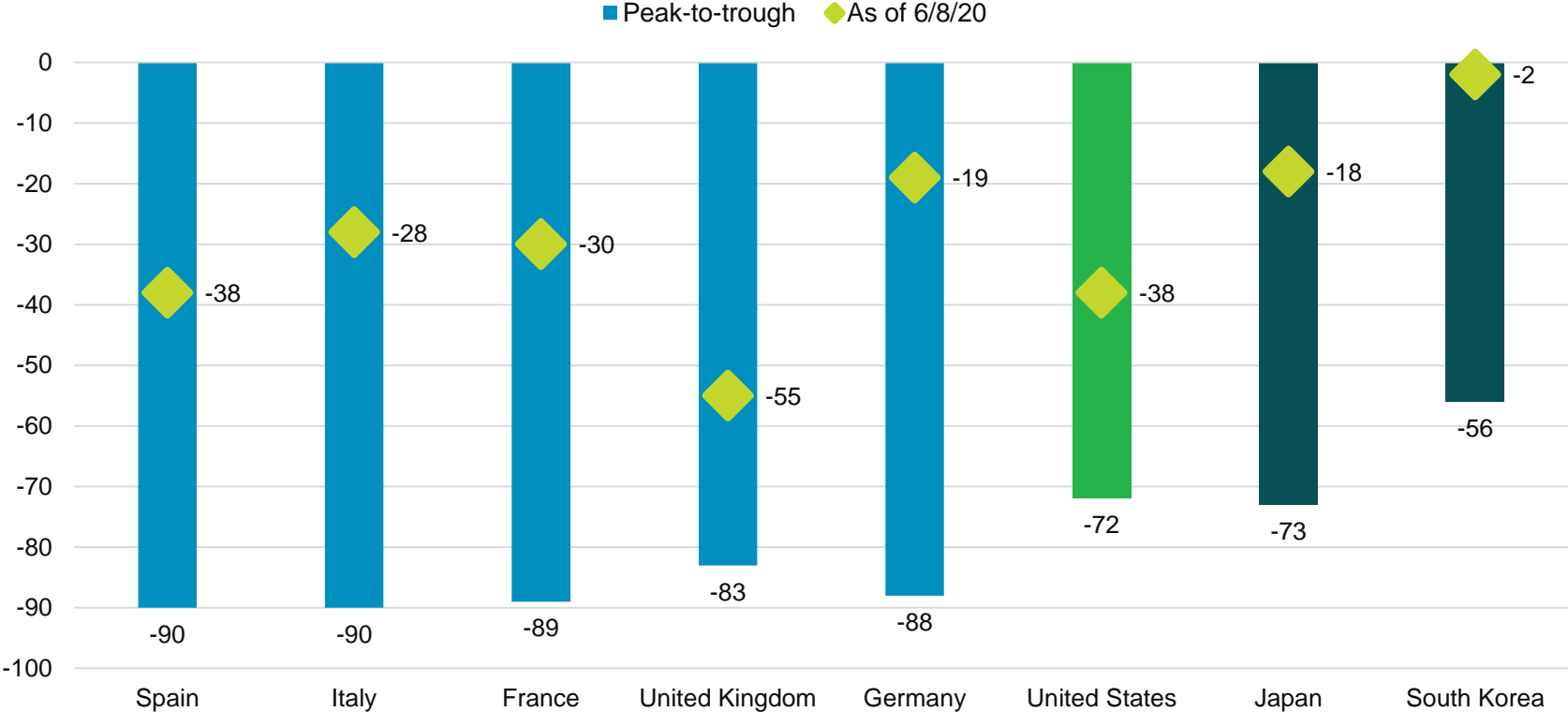


Source: Green Street Advisors, Nuveen Real Estate

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Tracking real time movements (country level)

**Global Apple Mobility Trends: Place of Work**  
**Index: 2/21/20 = 100**



Source: Apple Mobility  
 OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Economic scenarios and real estate implications

Nuveen Real Estate hypothetical economic scenarios loosely follow IMF global outlook

## Scenario 1

- Time limited shock; deep but short-lived recession
- Pandemic comes under control in Q2
- Major policy initiatives limit corporate defaults and job losses
- Bounce-back from Q4; pent up demand stimulus from early 2021

## Scenario 2

- Extended lockdowns - epidemic under control late Q3
- Deep recession extends into Q3; slow recovery from Q4; rebound 2021
- Corporate defaults surge as finance conditions tighten; job losses intensify

## Scenario 3

- Pandemic extends to 2021 with second round of outbreaks
- Demand and activity collapse beyond the direct impact of the health emergency
- Ballooning public debts and massive bankruptcies leads to financial instability

## Real estate implications

- Prime rents stable (except retail) and occupier markets slow down into 2021 as corporate sector takes stock; rapid recovery from 2022
- Cost of debt leads to short-lived, modest yield rises for core in Q3 and Q4 2020 primarily in riskier cities/sectors
- Good opportunities for Value Add

- Prime rents contract modestly in 2021, improving from 2022 depending on market and sector
- Core yield begin to rise slowly from Q2 2020 intensifying into 2021; fully re-price in 2022
- Opportunities for core investments and very good for Value Add

- Prime rents fall rapidly from Q4 2020 to 2022; stable 2023. More volatile markets feel greater pain
- Yields rise sharply from Q4 2020 till 2022 – but not as damaging for core income as in GFC
- Repricing late 2022/early 2023

June

July

August

September

October

November

December

Source: Nuveen Real Estate, IMF

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Asia Pacific-specific view

**Regional:** As local infection and death rates continue to trend lower, market optimism has returned despite still very choppy economic outcomes. An uneven recovery is still to be expected in the coming months, as gradual opening up of economies boosts domestic activities but an uncertain global outlook will continue to cloud prospects for export demand. There are plans to create travel bubbles, between Australia and New Zealand and between Southern China, Macau and Hong Kong, in order to first allow business travel and then tourism to restart and reboot regional economies.

## Hong Kong:

Passing of the national security law has added an extra layer of uncertainty to Hong Kong's recessionary economy, and questions surrounding status as a global financial centre.

## Japan/South Korea:

The Bank of Korea has lowered interest rates to an all-time low of 0.25% while a third supplementary budget worth 1.8% of GDP is being planned as consumer price deflation sets in. A second wave of infection has returned to Tokyo, post lifting of the state of emergency early this month. Footfall at retail and recreation venues are half of normal, and 30% of the workforce is working from home.

## Singapore:

Singapore to resume business travel to six provinces in China from June 8, as the economy begins to open up in phases. Retail sales plunged 40.5% in April on lockdown measures.

Market	Risk
Australia	Neutral
China	Neutral
Hong Kong	Unfavorable
Japan	Neutral
New Zealand	Neutral
Singapore	Unfavorable
South Korea	Neutral

- Favorable
- Neutral
- Unfavorable

Investments	Risk
Prime	Favorable
Secondary	Unfavorable
Development	Unfavorable
Debt	Favorable

**Prime:** Resilient and fundamentally strong markets & assets to provide most attractive long-term income & returns

**Secondary:** Pricing & income security under pressure as financially weak tenants are most vulnerable under current setting

**Development:** Uncertainty heightened in terms of construction period and leasing discussions

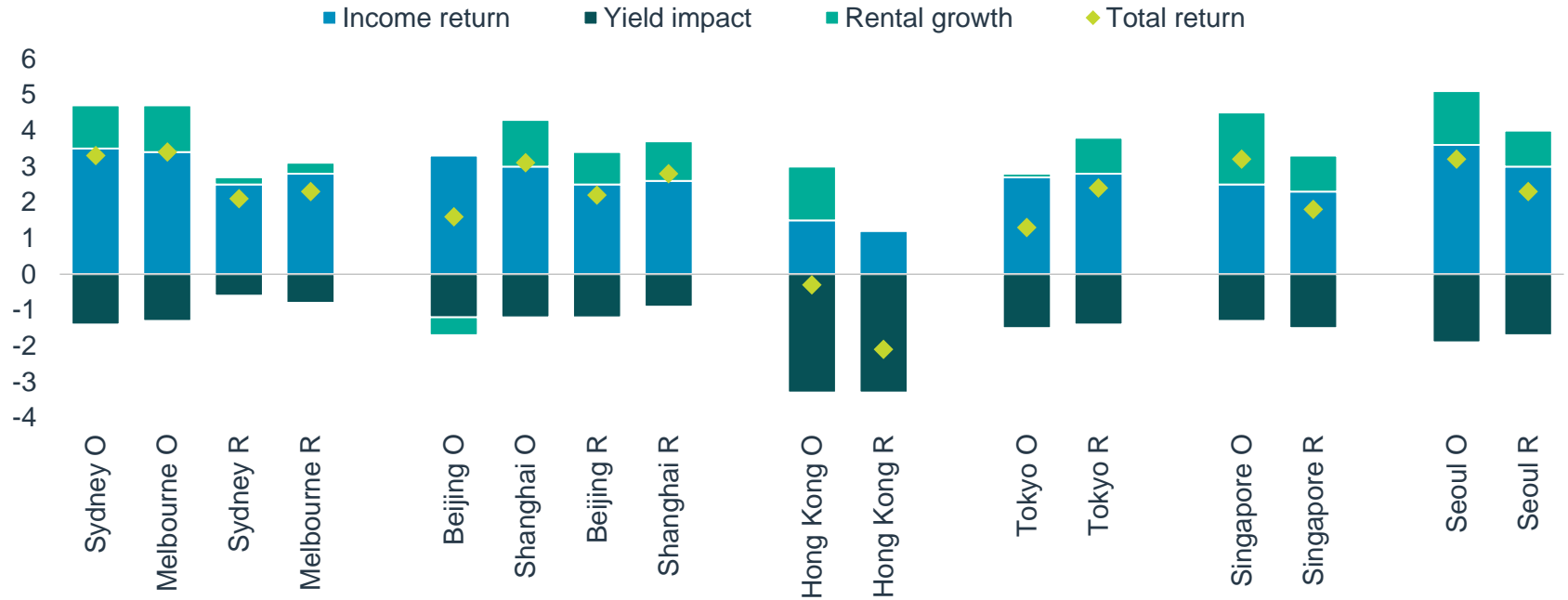
**Debt:** Flight to safety assets and increased banking stress provide opportunities for lenders

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Lower for longer

## 5-year average returns for office

% per annum



Source: Nuveen Real Estate

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES



# European-specific view

## Regional:

- Germany, Austria, the Netherlands and Denmark have coped well with the crisis and are set to recover faster, also due to their fiscal strength.
- France, Spain and the U.K. have had crisis management deficits, but are still in a relatively favourable position.
- Italy is most at risk to struggle with generating a strong recovery.

Market	Risk
Germany	Favorable
U.K.	Neutral
France	Neutral
Italy	Unfavorable
Spain	Neutral
Netherlands	Favorable
Austria	Favorable

- Favorable
- Neutral
- Unfavorable

Sector	Risk
Office	Neutral
Retail	Unfavorable
Logistics	Favorable
Housing	Favorable

**Office:** Developers have been more disciplined than in previous cycles, but it is a cyclical sector

**Retail:** Woes likely to be exacerbated with pain spreading to countries such as Germany, Spain and Italy, where retail has held up relatively well

**Logistics:** Benefits from structural tailwinds but development activity is strong, and it has been a very cyclical market historically

**Housing:** Demand is based on demographics and is generally a less cyclical sector. Beware of less stable niches such as co-living or student housing

Investments	Risk
Prime	Favorable
Secondary	Neutral
Development	Unfavorable
Existing value-add	Unfavorable
Future value-add	Favorable
Debt	Favorable

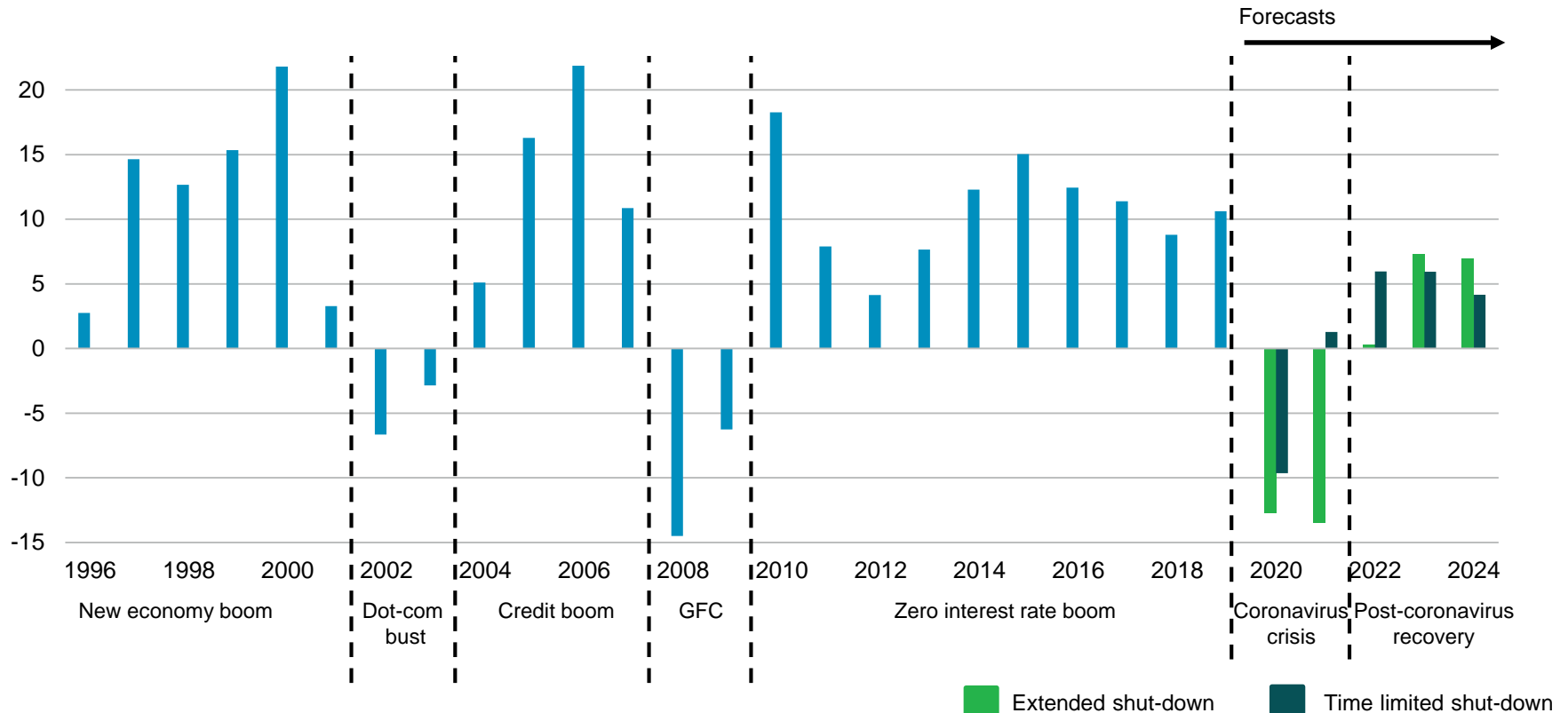
- **Prime:** Assets with tenants with good covenants are always the best bet in hard times
- **Secondary:** Assets are first to suffer from weaker tenant demand and falling investment liquidity
- **Development:** Leasing activity could suffer if occupier tide turns
- **Debt:** With sensible LTVs and covenants is much better placed than equity exposure

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Total return trajectory for European office

Similar magnitude of decline as in previous recessions to be expected

All European office prime total cumulative return in %



Source: PMA \*PMA models less GDP decline, but more drawn out negative impact compared to the IMF  
OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# U.S.-specific view

**Regional:** All 50 U.S. states have re-opened which is helping re-start the U.S. economy. The June 5<sup>th</sup> employment report showed there were 2.5 million jobs added to the U.S. economy and the unemployment rate fell to 13.3%. However, there have been 20 million jobs lost this year, compared to 8.7 million during the GFC, and the unemployment remains at historical highs. Daily update data sets show that while economic activity has likely bottomed out, the recovery remains slow. For example, OpenTable reservations remain 50% to 90% below year ago levels across U.S. cities but traffic has picked up considerably across U.S. cities.

During Q1 2020, U.S. GDP fell at annualized rate of 4.8% and is expected to fall at any where between 30%-40% in Q2 2020. The U.S. economy is on track to shrink nearly 6% this year, more than twice that seen during the GFC.

According to Green Street's Commercial Property Price Index, aggregate U.S. real estate is down 11% in the first five months of 2020. Property values began to fall in April and May 2020 as the full effects of coronavirus were felt. Malls and lodging properties have seen values fall 25% in the last three months while student housing and strip retail have fallen around 15%. Retail values were falling before coronavirus but the pandemic has rapidly accelerated the number of retailers filing for bankruptcy. Meanwhile industrial, manufactured homes and life science values have fallen a mere 5% since coronavirus began to impact U.S. real estate values. Public REIT markets continue to suggest U.S. real estate values are down somewhere in the 20% range.

While Q1 2020 office, industrial and apartment rents did not fall, we expect rents will fall throughout the remainder of 2020 as the full effects of coronavirus are felt by households and businesses alike. Further, we expect office, industrial and apartment vacancy rates to increase 200 basis points from their Q1 2020 cyclical lows by the end of 2020. According to Green Street, 90% of rents for essential retail were collected in April and May but only 39% of rents were collected for non-essential retail.

Sector	Risk
Office	Neutral
Retail	Unfavorable
Industrial	Neutral
Housing	Neutral

- Neutral
- Unfavorable

**Office:** CBRE-EA expects U.S. office rents to fall 6.4% in 2020 with vacancy rates rising more than 200 basis points this year. However, they also predict the sector will bounce back in 2021, re-gaining most of what was lost during 2020. The biggest unknown for the office market is whether office tenants will demand more or less office space in a post-coronavirus world.

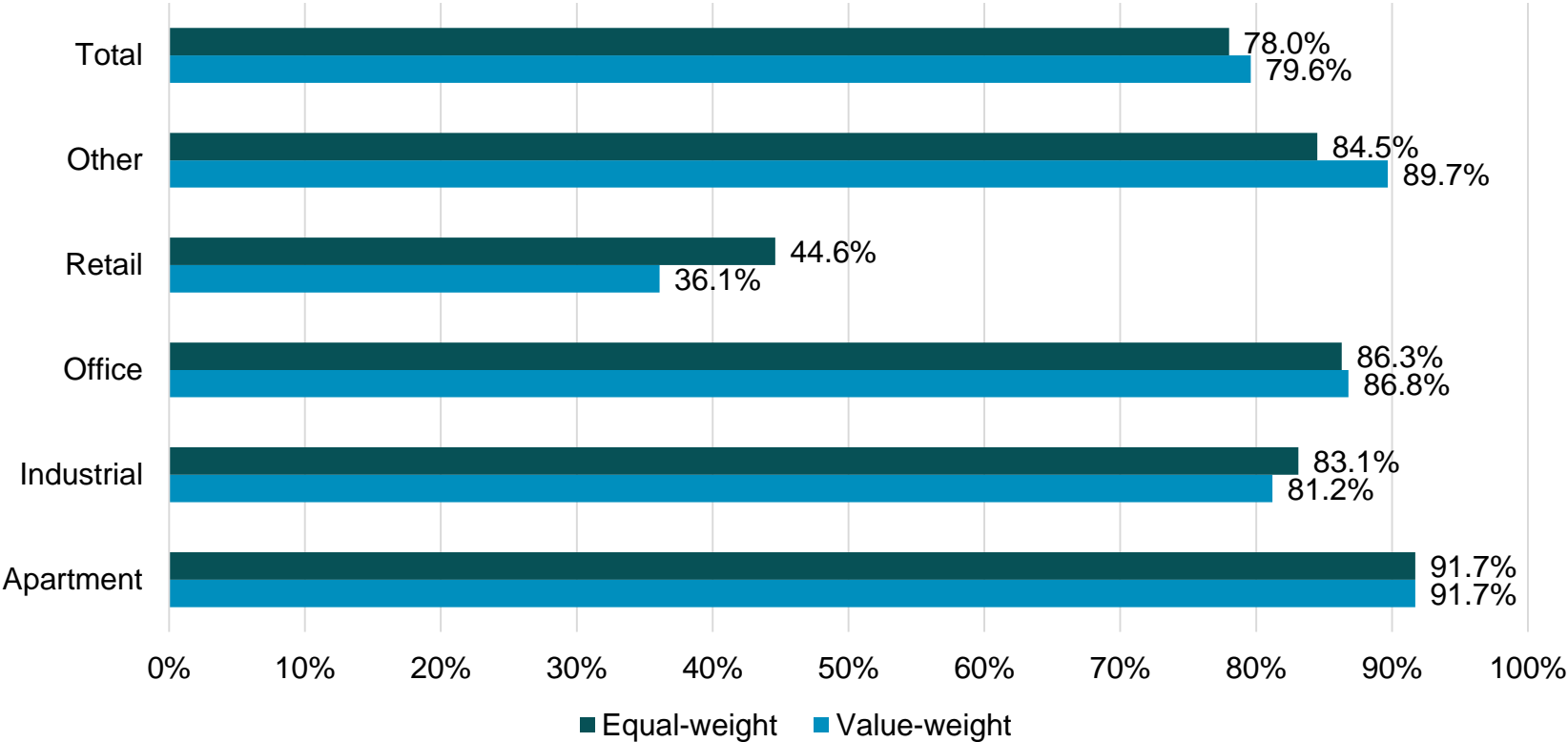
**Retail:** Woes likely to be exacerbated and to accelerate retailer bankruptcy filings. Major retailers to file bankruptcy thus far include J.C. Penney, J. Crew, Neiman Marcus, True Religion and Modell's Sporting Goods.

**Industrial:** Expected to see only a modest fall in values, rents and occupancy rates. CBRE-EA expect rents to fall 1.5% in 2020 with vacancy rates rising just over 200 basis points. Warehouses that have exposure to high yield and small businesses will likely see rents fall more than 1.5% this year.

**Housing:** According to RealPage, occupancy rates dropped 80 bps in May to 95.2% and effective rents fell 0.5% for the year ending May 2020. Tourism focused markets such as Las Vegas and Orlando as well as LA and the Bay Area are seeing rents fall the most.

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# U.S. rent collections by property type



(1) The sector value-weights are the aggregate funds' rent collected divided by the aggregate funds' rent due for each sector. The value-weight for the 'Total' is the aggregate funds' rent collected divided by aggregate funds' rent due. (2) The sector equal-weights are the average of each fund's rent collected as a percentage of the rent due for each sector. The equal-weight for the 'Total' is the average of each sector's equal-weight percentage shown.

Source: NCREIF NFI-OE Rent Analysis as of December 31, 2019, Nuveen Real Estate impact compared to the IMF

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Real estate investing in a post-coronavirus world

## Key takeaways

### Macro backdrop

- The last 30 years of cap rate compression is likely over given the very low interest rate environment across developed markets
- The next decade is likely to be slow growth given high government debt burdens post-coronavirus, favoring property types that rely less on economic growth to generate income
- More pandemics are likely to occur in the future which means real estate portfolios need to be positioned for more resilience from a property type, city and tenant perspective

### Thematics

- Coronavirus has not caused a paradigm shift for real estate, rather it has accelerated already-present underlying trends such as:
  - A further push towards online shopping
  - The restructuring of retail real estate – retailers with strong balance sheet to survive and take more market share as weak retailers file bankruptcy
  - A rise of the digital economy
  - De-globalization, re-routing of supply chains
  - Movement towards the suburbs and the sunbelt cities
  - Destruction of wealth during this crisis leads to more demand for all forms of rental housing

### Sectors

- Highest long term conviction around the alternative property types in housing, industrial/logistics, technology and healthcare
- Definitions of core and alternative sectors will likely need to be re-visited in a post-coronavirus world
- Getting the sectors and city calls 'right' generates the majority of real estate's alpha

### Cities

- Large expensive cities such as New York City, London or Singapore to see near term rental and value declines but in the longer term will survive and thrive as rents and values get reset
- Movement towards the suburbs and the sunbelt cities in the U.S. and lower cost, high quality of life cities in Europe

Source: Nuveen Real Estate

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Nuveen Real Estate Global research



**Alice Breheny (London)**

Global Head of Research



**Stefan Wundrak (London)**

Head of European  
Research



**Angela Goodings (London)**

Director,  
European Research



**Michael Keogh (London)**

Director,  
European Research



**Andy Schofield (London)**

Director,  
European Research



**Maria Grubmueller (London)**

Associate,  
European Research



**Haoran Wu (London)**

Analyst,  
European Research



**Melissa Reagen (New York)**

Head of Americas  
Research



**David Segall (New York)**

Director,  
Americas Research



**Jacinda Lofland (Charlotte)**

Director,  
Innovation & Strategy



**Daniel Manware (New York)**

Senior Associate,  
Americas Research



**Elina Samandyk (New York)**

Analyst,  
Americas Research



**Christian Mera (Newport Beach)**

Analyst,  
Data Science



**Jayanth Ganesan (New York)**

Analyst,  
Americas Research



**Harry Tan (Singapore)**

Head of Asia Pacific  
Research

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES

# Important information

All information is sourced by Nuveen Real Estate. This material is provided for informational or educational purposes only and does not constitute a solicitation of any securities in any jurisdiction in which such solicitation is unlawful or to any person to whom it is unlawful. Moreover, it neither constitutes an offer to enter into an investment agreement with the recipient of this document nor an invitation to respond to it by making an offer to enter into an investment agreement.

This material may contain “forward-looking” information that is not purely historical in nature. Such information may include projections, forecasts, estimates of yields or returns, and proposed or expected portfolio composition. Moreover, certain historical performance information of other investment vehicles or composite accounts managed by Nuveen may be included in this material and such performance information is presented by way of example only. No representation is made that the performance presented will be achieved, or that every assumption made in achieving, calculating or presenting either the forward-looking information or the historical performance information herein has been considered or stated in preparing this material. Any changes to assumptions that may have been made in preparing this material could have a material impact on the investment returns that are presented herein by way of example.

This material is not intended to be relied upon as a forecast, research or investment advice, and is not a recommendation, offer or solicitation to buy or sell any securities or to adopt any investment strategy. The information and opinions contained in this material are derived from proprietary and non-proprietary sources deemed by Nuveen to be reliable, and not necessarily all-inclusive and are not guaranteed as to accuracy. There is no guarantee that any forecasts made will come to pass. Company name is only for explanatory purposes and does not constitute as investment advice and is subject to change. Any investments named within this material may not necessarily be held in any funds/accounts managed by Nuveen. Reliance upon information in this material is at the sole discretion of the reader. Views of the author may not necessarily reflect the views of Nuveen as a whole or any part thereof.

Past performance is not a guide to future performance. Investment involves risk, including loss of principal. The value of investments and the income from them can fall as well as rise and is not guaranteed. Changes in the rates of exchange between currencies may cause the value of investments to fluctuate.

This information does not constitute investment research as defined under MiFID.

Issued by Nuveen Real Estate Management Limited (reg. no. 2137726), (incorporated and registered in England and Wales with registered office at 201 Bishopsgate, London EC2M 3BN) which is authorised and regulated by the Financial Conduct Authority to provide investment products and services. Telephone calls may be recorded and monitored. The value of an investment and the income from it can fall as well as rise and you may not get back the amount originally invested. YOUR CAPITAL IS AT RISK.

Real estate investments are subject to various risks, including fluctuations in property values, higher expenses or lower income than expected, and potential environmental problems and liability. Please consider all risks carefully prior to investing in any particular strategy. A portfolio's concentration in the real estate sector makes it subject to greater risk and volatility than other portfolios that are more diversified and its value may be substantially affected by economic events in the real estate industry. International investing involves risks, including risks related to foreign currency, limited liquidity particularly where the underlying asset comprises real estate, less government regulation in some jurisdictions, and the possibility of substantial volatility due to adverse political, economic or other developments. Any assumptions made or opinions expressed herein are as of the dates specified or if none at the document date and may change as subsequent conditions vary. In particular, this document has been prepared by reference to current tax and legal considerations that may alter in the future. This document may contain “forward-looking” information or estimates that are not purely historical in nature. Such information may include, among other things, illustrative projections and forecasts. There is no guarantee that any projections or forecasts made will come to pass.

OPINION PIECE. PLEASE SEE IMPORTANT DISCLOSURES IN THE ENDNOTES