

# COVID-19 Dashboard

14 December 2020



Internal and key client use only

## Summary

- **COVID-19:** The total number of cases recorded globally is circa 72 million, with approximately 1.6 million reported deaths according to Johns Hopkins University & Medicine.
- **Equities:** In Europe, stocks are higher. The FTSE 250 and the DAX have both added +1.0% this morning, while the STOXX 600 and the CAC 40 are both up +0.9%. In Asia, stocks were mixed, with the Hang Seng (-0.4%) and Kospi (-0.3%) closing lower, while the CSI 300 (+0.9%), Topix (+0.5%) and S&P / ASX 200 (+0.3%) were higher on close. In the US, futures for the S&P 500 and the Dow Jones Industrial Average (DJIA) are both up +0.4%.
- **VIX:** Following a +2.1% increase over Friday, the CBOE market volatility has decreased -2.8% this morning to 22.7, which remains above its long term average (LTA) of 19.9. The Euro Stoxx 50 volatility index has also decreased, down -5.6% to 22.3, remaining below its LTA of 24.0.
- **Bonds:** The UK 10-year gilt yield has softened +5bps to 0.22%, while the German 10-year bund yield is up +2bps to -0.62% and the US 10-year treasury yield has added +1bp to 0.91%.
- **Currency:** Both sterling and the euro have appreciated this morning to \$1.34 and \$1.22, respectively. Hedging benefits for US dollar denominated investors into the UK and the eurozone are 0.47% and 1.33% per annum on a five-year basis.
- **Baltic Dry:** The Baltic Dry increased +4.3% on Friday to 1211, the highest daily increase since the beginning of October, lifting the index +1.2% over the week. Year to date gains in the index are currently at +11%, following cumulative declines of -42% since 6th October. When compared to the peak of 1956 seen on 6th July, the index is down -38%.
- **Oil:** After increasing +1.1% over the morning, Brent Crude has risen above \$50 per barrel, currently at \$50.51. The West Texas Intermediate (WTI) is also up this morning, increasing +1.0% to \$47.03.
- **Brexit:** There is currently a 59% likelihood of a trade deal between the UK and the European Union being signed in 2020, according to Oddschecker. This compares to 65% one week ago and 80% last month.

## Research

**William Matthews**  
Partner, Head of Commercial Research  
+44 20 3909 6842  
william.matthews@knightfrank.com

**Victoria Ormond**  
Partner, Capital Markets Research  
+44 20 7861 5009  
victoria.ormond@knightfrank.com

**Daniel Tomaselli**  
Senior Research Analyst, Capital Markets  
+44 20 8106 1392  
daniel.tomaselli@knightfrank.com

**Antonia Haralambous**  
Research Analyst, Capital Markets  
+44 20 3866 8033  
antonia.haralambous@knightfrank.com

### Important Notice

© Knight Frank LLP 2020 – This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank LLP for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank LLP in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank LLP to the form and content within which it appears. Knight Frank LLP is a limited liability partnership registered in England with registered number OC305934. Our registered office is 55 Baker Street, London, W1U 8AN, where you may look at a list of members' names.

# COVID-19 Dashboard

14 December 2020

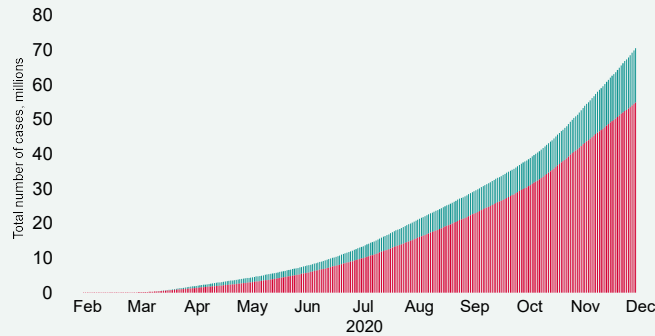


Internal and key client use only

## COVID-19

### Cumulative number of global cases

■ World excl US ■ US

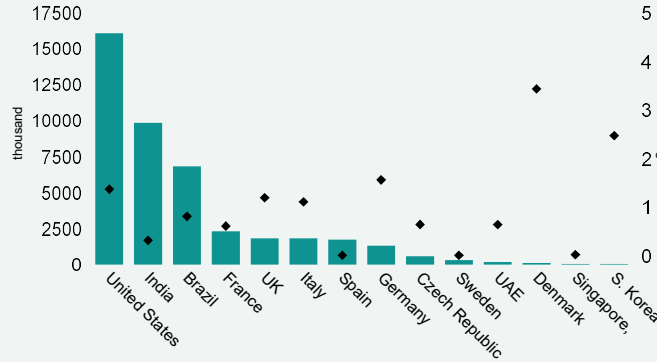


Source: Knight Frank, Macrobond. Last modified: 13 December 2020 10:31 GMT.

The number of total confirmed cases reached 70.5 million on the 13 December, an increase of 649k new cases over the day prior.

### Cumulative number of cases by country

■ Number of total cases, lhs ◆ Last day change, rhs



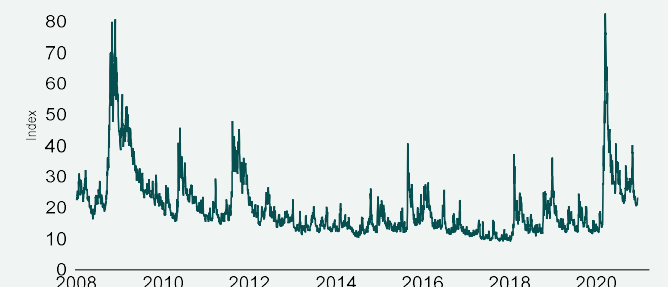
Source: Knight Frank, Macrobond.

The chart presents the number of cumulative cases (left axis) and the percentage change of new cases against the day before (right axis).

### Volatility Index

—US, S&P 500 Volatility Index (VIX)

23.3 on the 11 December versus 22.8 the day prior, a 2.1% change



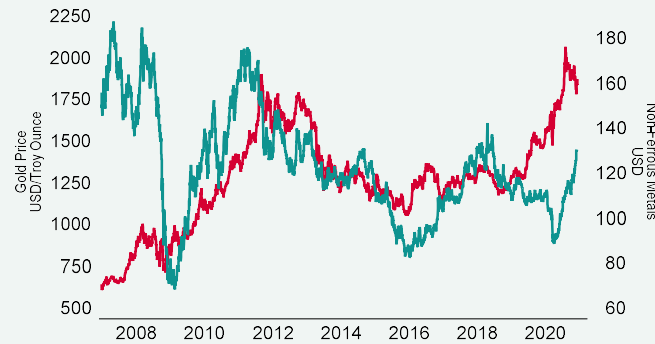
Source: Knight Frank, Macrobond. Last modified: 11 December 2020 19:46 GMT.

The CBOE VIX (colloquially known as the Investor fear gauge) is an indication of near term S&P 500 stock price volatility based on underlying options.

## Commodities

### Gold and non-ferrous metals price, USD

—Gold, USD, lhs —Non-Ferrous Metals Index, USD, rhs

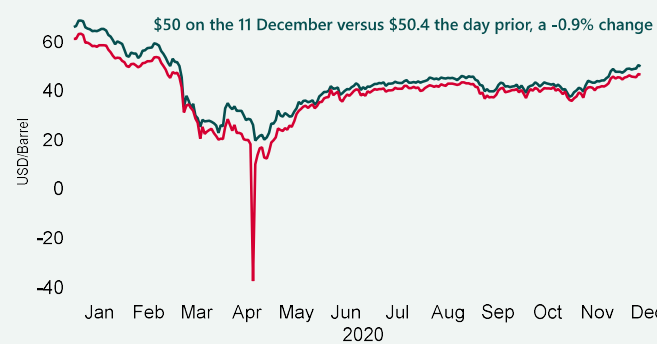


Source: Knight Frank, Macrobond. Last modified: 12 December 2020 23:00 GMT.

	11 Dec	D/D (%)	YTD (%)
Gold, USD	1839	0.0	21.3
Non-Ferrous Metals, USD	130	0.3	17.6

### Brent Crude and West Texas Intermediate oil price

—Brent Crude —West Texas Intermediate (WTI)

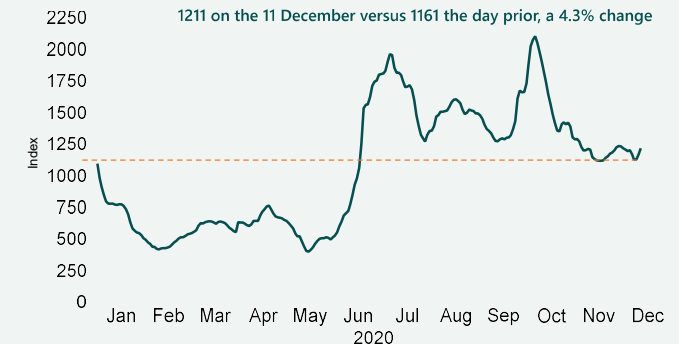


Source: Knight Frank, Macrobond. Last modified: 13 December 2020 23:15 GMT.

Brent crude monitors the level of demand for raw materials and is a measure of economic activity. Lately also influenced by Saudi-Russia price war.

### Baltic Dry Index (BDI)

—World, Baltic Exchange, Shipping, Dry Index (BDI), USD



Source: Knight Frank, Macrobond. Last modified: 11 December 2020 13:00 GMT.

Baltic Dry Index is a measure of what it costs to ship raw materials and is a leading indicator of global demand. A lower value means lower demand.

## Research

**William Matthews**  
Partner, Head of Commercial Research  
+44 20 3909 6842  
william.matthews@knightfrank.com

**Victoria Ormond**  
Partner, Capital Markets Research  
+44 20 7861 5009  
victoria.ormond@knightfrank.com

**Daniel Tomaselli**  
Senior Research Analyst, Capital Markets  
+44 20 8106 1392  
daniel.tomaselli@knightfrank.com

**Antonia Haralambous**  
Research Analyst, Capital Markets  
+44 20 3866 8033  
antonia.haralambous@knightfrank.com

### Important Notice

© Knight Frank LLP 2020 – This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank LLP for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank LLP in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank LLP to the form and content within which it appears. Knight Frank LLP is a limited liability partnership registered in England with registered number OC305934. Our registered office is 55 Baker Street, London, W1U 8AN, where you may look at a list of members' names.

# COVID-19 Dashboard

14 December 2020

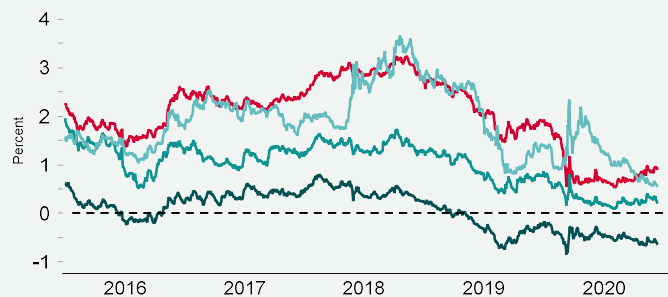


Internal and key client use only

## Bonds and currencies

### 10y Government Bond Yield (%)

—US —UK —Germany —Italy



	11 Dec	1 d ago	1st Jan
Germany	-0.64	-0.63	-0.19
Italy	0.55	0.56	1.40
UK	0.16	0.20	0.74
US	0.90	0.92	1.92

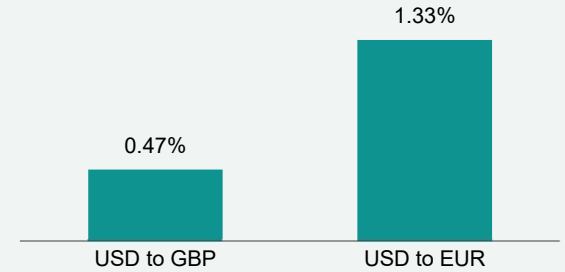
### FX Spot Rates

—EUR per GBP —USD per GBP



	11 Dec	1 d ago	1st Jan
EUR per GBP	1.09	1.09	1.18
USD per GBP	1.33	1.34	1.32

### Currency hedging benefit p.a. based on a five year forward



Source: Knight Frank, Investing.com  
Approximate additional return per annum that dollar denominated investors may obtain based on five year currency hedge.

## Equity and REIT

### Equity performance: since previous cycle (1st Jan 2007 = 100)

—FTSE 250 —DAX —S&P 500 —STOXX 600 —Hang Seng —MIB —IBEX 35 —TOPIX

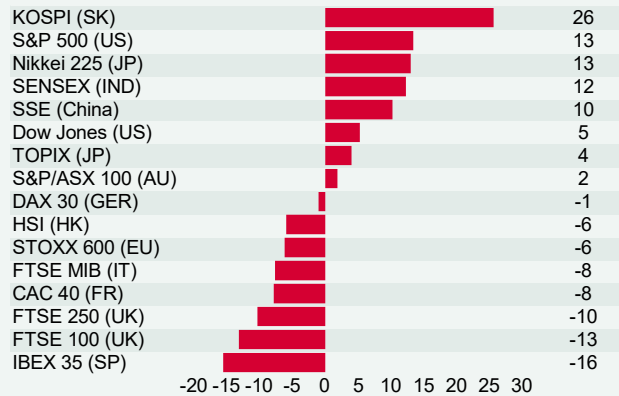


Source: Knight Frank, Macrobond. Last modified: 11 December 2020 18:05 GMT.

The chart presents the performance of selected equity indexes since the months prior to the global financial crisis (2007).

### Equity performance: YTD (%)

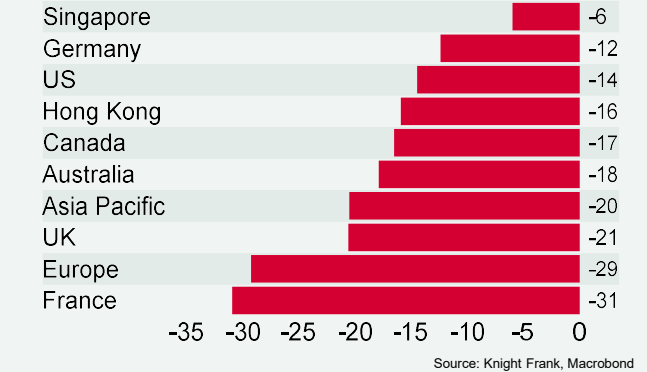
Local currencies



Source: Knight Frank, Macrobond

### REIT performance: YTD (%)

Local currencies



Source: Knight Frank, Macrobond

## Research

**William Matthews**  
Partner, Head of Commercial Research  
+44 20 3909 6842  
william.matthews@knightfrank.com

**Victoria Ormond**  
Partner, Capital Markets Research  
+44 20 7861 5009  
victoria.ormond@knightfrank.com

**Daniel Tomaselli**  
Senior Research Analyst, Capital Markets  
+44 20 8106 1392  
daniel.tomaselli@knightfrank.com

**Antonia Haralambous**  
Research Analyst, Capital Markets  
+44 20 3866 8033  
antonia.haralambous@knightfrank.com

### Important Notice

© Knight Frank LLP 2020 – This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank LLP for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank LLP in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank LLP to the form and content within which it appears. Knight Frank LLP is a limited liability partnership registered in England with registered number OC305934. Our registered office is 55 Baker Street, London, W1U 8AN, where you may look at a list of members' names.

# COVID-19 Dashboard

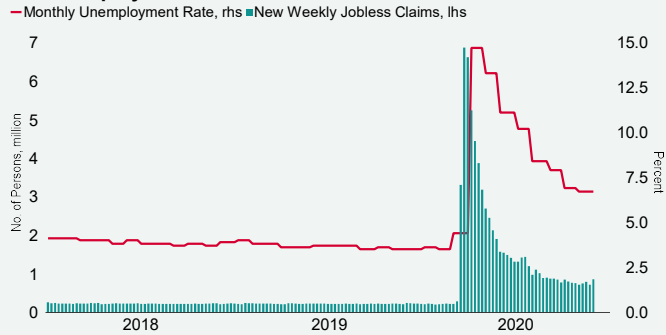
14 December 2020



Internal and key client use only

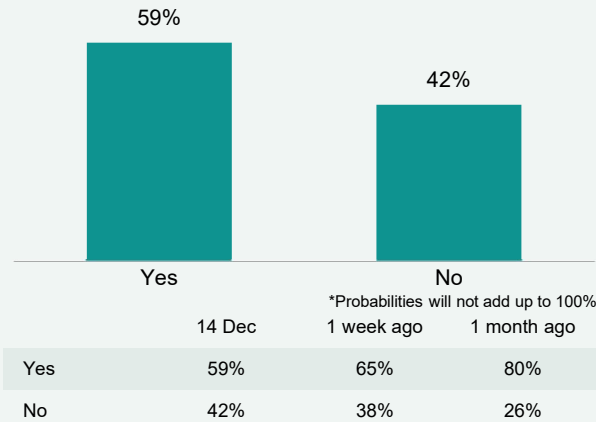
## US unemployment and Brexit odds

### US Unemployment



The chart presents the number of Americans that each week file for unemployment benefits (left axis) and the overall monthly unemployment rate (right axis)

### Probability of a Brexit Deal in 2020



## Fiscal policy

### Fiscal measures details

<b>UK</b>	<b>£330bn+</b> : Government backed loans and guarantees equivalent to 15% of UK GDP. SMEs given access to cash grants. Support for furloughed employees of 80% salary ≤£2,500 per month. Furlough scheme extended until October 2020 with employers sharing the cost from August. Taxable grant for self-employed <£50k trading profit, worth 80% of monthly profits up to £2.5k, paid as a lump sum.
<b>USA</b>	<b>\$3.0tn</b> : 2 <sup>nd</sup> package passed 23 <sup>rd</sup> April, worth \$483 billion, increasing US stimulus to \$3 trillion (15% GDP).
<b>EU</b>	<b>€1.35tn</b> : This includes €240bn to the European Stability Mechanism, and €200bn in EIB guarantees. On 4 <sup>th</sup> June, the ECB extended the pandemic purchase programme (PEPP) until June 2021, purchasing an additional €600bn in bonds, taking total stimulus to €1.35tn. <b>€750bn</b> : a new recovery package for EU member states announced in July including €390bn in grants and €360 in interest free loans.
<b>Germany</b>	<b>€880bn</b> : The emergency aid measure approved on Monday 23 <sup>rd</sup> of March. In June an additional €130bn fiscal stimulus programme including VAT rate cut to 16% from 19% and one off 'children's bonus' payment.
<b>Italy</b>	<b>€400bn</b> : The stimulus announced on the 7 <sup>th</sup> April <b>€25bn</b> : Emergency package to support businesses and families.
<b>France</b>	<b>€100bn</b> : The stimulus announced on the 3 <sup>rd</sup> September <b>€45bn</b> : The aid package for SMEs and other hard-hit sectors announced by the French government on 17 <sup>th</sup> of March. Includes deferred corporate tax, social security charges and two months state payments to laid off workers. <b>€300bn</b> : government backed loans.
<b>Spain</b>	<b>€200bn</b> : the aid package includes government loan guarantees to ensure liquidity for SMEs (the government said it would provide businesses with "all the liquidity they need"), other government commitments and private money.
<b>Japan</b>	<b>\$2.2tn</b> : Further stimulus announced in late May added \$1.1 trillion to the country's stimulus package, bringing total stimulus to \$2.18 trillion or 40% of GDP.
<b>Hong Kong</b>	<b>HK\$10k</b> for every adult citizen (c.£7bn).

Source: Knight Frank, various sources

## Monetary policy

### Central Banks Policy Rates

	Current Rate	Rate at 1/1/2020	YTD Change
<b>Advanced Economies</b>			
Australia	0.10%	0.75%	-65 bps
Canada	0.25%	1.75%	-150 bps
Euro Area	0.00%	0.00%	0 bps
France	0.00%	0.00%	0 bps
Germany	0.00%	0.00%	0 bps
Italy	0.00%	0.00%	0 bps
Sweden	0.00%	-0.25%	25 bps
Japan	-0.10%	-0.10%	0 bps
United Kingdom	0.10%	0.75%	-65 bps
United States	0.25%	1.75%	-150 bps
<b>Developing Economies</b>			
Brazil	2.00%	4.50%	-250 bps
China	4.35%	4.35%	0 bps
India	4.00%	5.15%	-115 bps
Mexico	4.25%	7.25%	-300 bps
Russia	4.25%	6.25%	-200 bps
Saudi Arabia	1.00%	2.25%	-125 bps
South Korea	0.50%	1.25%	-75 bps
Turkey	15.00%	12.00%	300 bps

### Central Bank Assets Purchasing Programme

	Lastest (\$)	MoM (%)	YoY (%)
<b>Advanced Economies</b>			
Australia	234 bn	8.4%	96.5%
Canada	394 bn	-0.9%	335.7%
Euro Area	8.36 tn	4.9%	60.6%
France	1.99 tn	4.1%	61.4%
Germany	2.99 tn	7.3%	53.7%
Italy	1.59 tn	1.6%	43.1%
Sweden	156 bn	0.3%	59.8%
Japan	6.8 tn	2.5%	27.2%
United Kingdom	984 bn	4.0%	68.8%
United States	7.24 tn	1.0%	77.2%
<b>Developing Economies</b>			
Brazil	495 bn	-3.6%	-2.6%
China	5.81 tn	4.9%	12.5%
India	393 bn	1.8%	39.0%
Mexico	233 bn	4.6%	11.0%
Russia	679 bn	-1.1%	2.3%
Saudi Arabia	486 bn	-0.1%	-3.0%
South Korea	464 bn	2.5%	10.2%
Turkey	104 bn	4.0%	-5.1%

## Research

**William Matthews**  
Partner, Head of Commercial Research  
+44 20 3909 6842  
william.matthews@knightfrank.com

**Victoria Ormond**  
Partner, Capital Markets Research  
+44 20 7861 5009  
victoria.ormond@knightfrank.com

**Daniel Tomaselli**  
Senior Research Analyst, Capital Markets  
+44 20 8106 1392  
daniel.tomaselli@knightfrank.com

**Antonia Haralambous**  
Research Analyst, Capital Markets  
+44 20 3866 8033  
antonia.haralambous@knightfrank.com

### Important Notice

© Knight Frank LLP 2020 – This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank LLP for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank LLP in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank LLP to the form and content within which it appears. Knight Frank LLP is a limited liability partnership registered in England with registered number OC305934. Our registered office is 55 Baker Street, London, W1U 8AN, where you may look at a list of members' names.

# COVID-19 Dashboard

14 December 2020



Internal and key client use only

## Timeline of Covid-19 containment measures and their stringency



This chart shows the change in severity of containment measures over time, up to the latest data. Green indicates a score of zero or no restrictions, while the darkest red indicates the highest restrictions or complete bans. Where grey, no new data is available.

Source: Knight Frank, Macrobond, Oxford University

### Research

**William Matthews**  
Partner, Head of Commercial Research  
+44 20 3909 6842  
william.matthews@knightfrank.com

**Victoria Ormond**  
Partner, Capital Markets Research  
+44 20 7861 5009  
victoria.ormond@knightfrank.com

**Daniel Tomaselli**  
Senior Research Analyst, Capital Markets  
+44 20 8106 1392  
daniel.tomaselli@knightfrank.com

**Antonia Haralambous**  
Research Analyst, Capital Markets  
+44 20 3866 8033  
antonia.haralambous@knightfrank.com

### Important Notice

© Knight Frank LLP 2020 – This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank LLP for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank LLP in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank LLP to the form and content within which it appears. Knight Frank LLP is a limited liability partnership registered in England with registered number OC305934. Our registered office is 55 Baker Street, London, W1U 8AN, where you may look at a list of members' names.

# COVID-19 Dashboard

14 December 2020



Internal and key client use only

## Overview of the severity of Covid-19 and the resulting containment measures



In line with some of the fewest reported cases and the smallest reported deaths attributed to COVID-19, New Zealand has the lowest 'lockdown index' score at 22, indicating the restrictions in place are generally recommendations and are not enforced. Countries including Iraq, Argentina and Colombia have some of the highest 'lockdown index' scores.

For most countries, public transport has the most relaxed restrictions. Tunisia, Poland, Norway, Poland, Netherlands and Greece are the only countries with no measures implemented on public events. Meanwhile, across the world, there is some measure of restriction on international travel. However, France is the exception, where international travel is freely permitted with no measures implemented.

Source: Knight Frank, Macrobond, Oxford University