

COVID-19 Dashboard

22 October 2020



Internal and key client use only

Summary

- **Equities:** Globally, stocks are mostly down. In Europe, declines have been recorded by the DAX (-0.8%), STOXX 600 and CAC 40 (both -0.8%), as well as the FTSE 250 (-0.1%). In Asia, the Topix (-1.1%), Kospi (-0.7%), CSI 300 and S&P / ASX 200 (both -0.3%) all closed lower, while the Hang Seng (+0.1%) was the only index up on close. In the US, futures for the S&P 500 are down -0.3%.
- **VIX:** After declining -2.4% yesterday, the CBOE market volatility index has increased +2.7% to 29.4, the highest it has been since the beginning of September. Meanwhile the Euro Stoxx 50 volatility index has decreased, down -0.8% to 29.2. Both indices are elevated compared to their long term averages of 19.9 and 23.9.
- **Bonds:** The UK 10-year gilt yield has softened +3bps to 0.26%, while the US 10-year treasury yield has compressed -1bp to 0.82% and the German 10-year bund yield is flat at -0.59%.
- **Currency:** Sterling and the euro are currently \$1.31 and \$1.18, respectively. Hedging benefits for US dollar denominated investors into the UK and the eurozone are at 0.39% and 1.24% per annum on a five-year basis.
- **Baltic Dry:** The Baltic Dry decreased for the 11th consecutive session yesterday, declining -0.3% to 1,346, its lowest daily decline since the start of the rout on 7th October.
- **Copper:** The price of copper surpassed \$7,000 a tonne for the first time since June 2018 yesterday, reaching \$7,034 a tonne. Prices have been pushed upwards due to a strong demand in China, with the metal emerging as a key way for investor exposure to sustainable energy, including wind, solar, batteries and electric cars, according to the FT.
- **Airline Industry:** The owner of British Airways, IAG, has announced the airline will undertake no more than 30% of its usual flights between October and December, compared to last year. IAG, which also owns Iberia and Aer Lingus, reported an -83% annual decline in revenue from €7.3 billion in Q3 2019 to €1.2 billion in Q3 this year. Ryanair has also reduced its winter flight schedule to 40% of last year's capacity and Cathay Pacific, an Asian airline, has announced it expects to offer less than 50% of its usual capacity next year.

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

22 October 2020

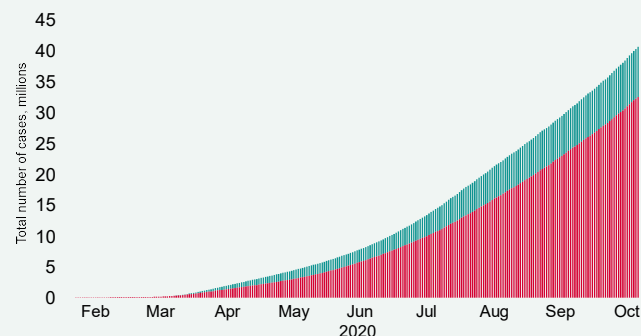


Internal and key client use only

COVID-19

Cumulative number of global cases

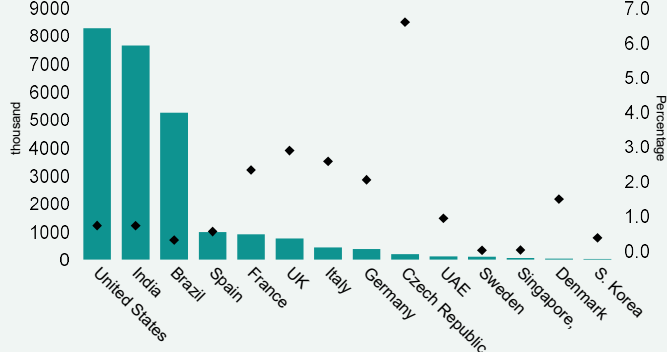
■ World excl US ■ US



The number of total confirmed cases reached 40.7 million on the 21 October, an increase of 350k new cases over the day prior.

Cumulative number of cases by country

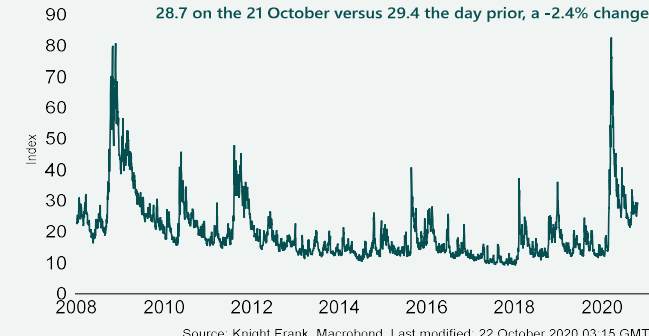
■ Number of total cases, lhs ◆ Last day change, rhs



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)

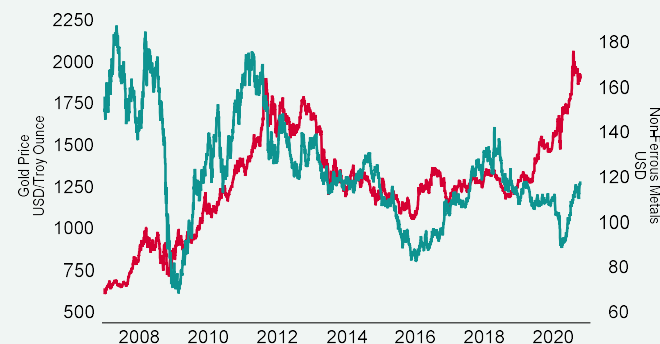


The CBOE VIX (colloquially known as the Investor fear gauge) is an indication of near term S&P 500 stock price volatility based on underlying options.

Commodities

Gold and non-ferrous metals price, USD

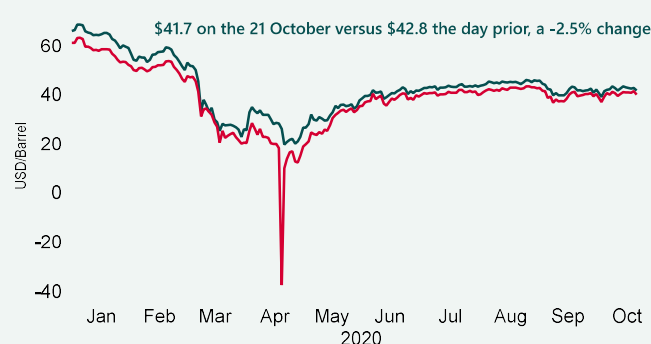
—Gold, USD, lhs —Non-Ferrous Metals Index, USD, rhs



	10 Oct	D/D (%)	YTD (%)
Gold, USD	1923	1.0	26.8
Non-Ferrous Metals, USD	118	1.2	6.5

Brent Crude and West Texas Intermediate oil price

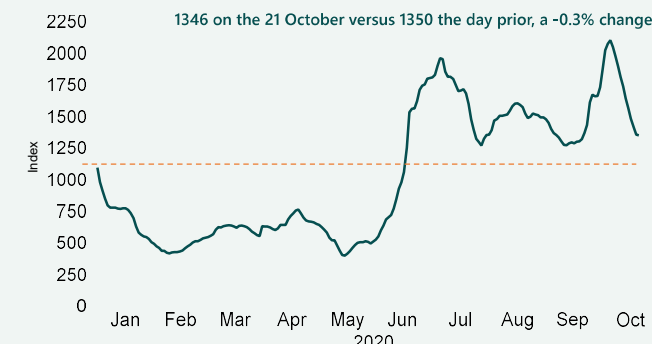
—Brent Crude —West Texas Intermediate (WTI)



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



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 prepared 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

22 October 2020

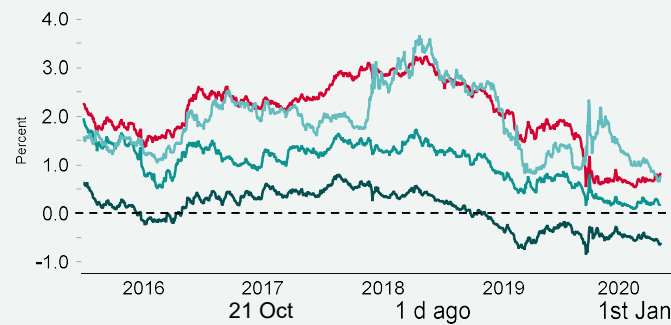


Internal and key client use only

Bonds and currencies

10y Government Bond Yield (%)

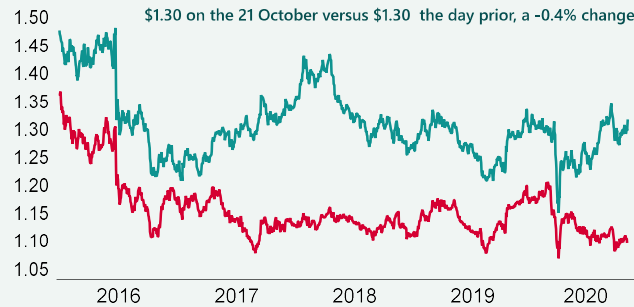
—US —UK —Germany —Italy



	21 Oct	1 d ago	1st Jan
Germany	-0.60	-0.64	-0.19
Italy	0.77	0.74	1.40
UK	0.24	0.19	0.74
US	0.83	0.81	1.92

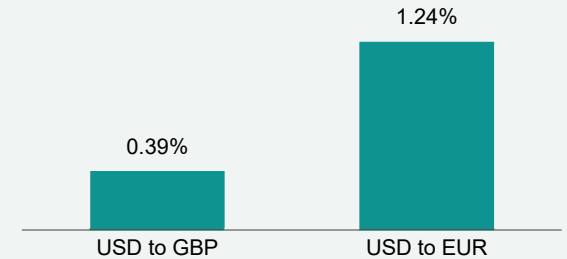
FX Spot Rates

—EUR per GBP —USD per GBP



	21 Oct	1 d ago	1st Jan
EUR per GBP	1.10	1.10	1.18
USD per GBP	1.30	1.30	1.32

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

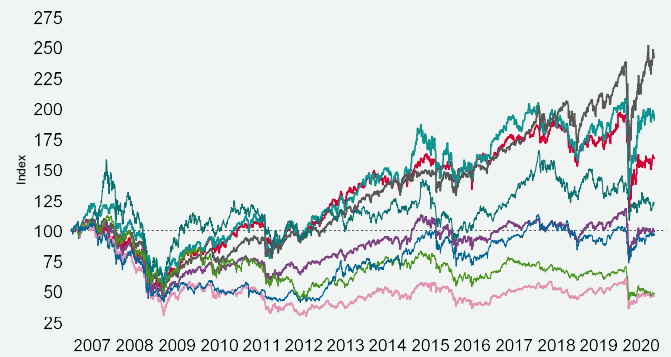


Source: Knight Frank, Investing.com
Approximate additional return per annum that dollar denominated investors may obtain based on five year currency hedge.

Equity and REIT

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

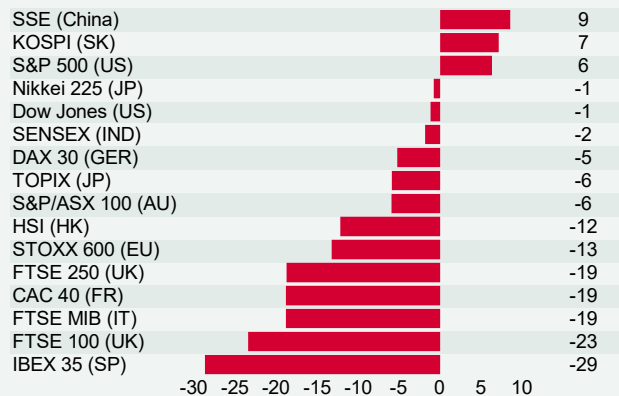
—FTSE 250 —DAX —S&P 500 —STOXX 600 —Hang Seng —MIB —IBEX 35 —TOPIX



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

Equity performance: YTD (%)

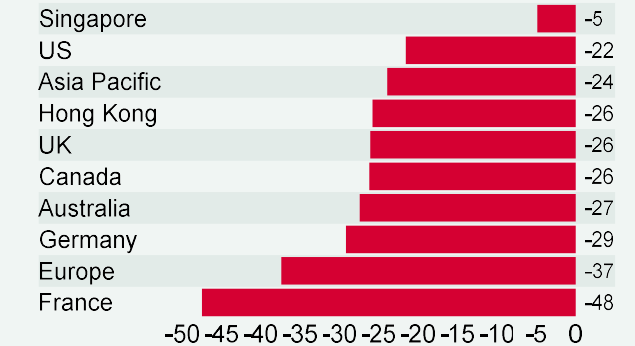
Local currencies



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 prepared 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

22 October 2020

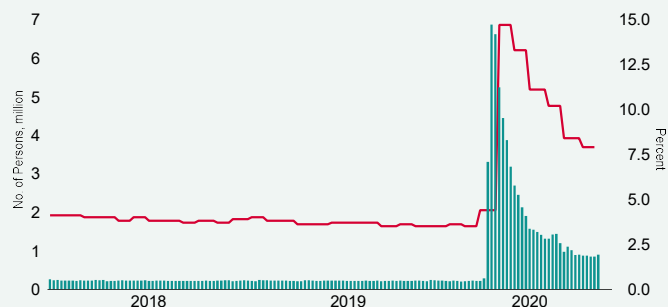


Internal and key client use only

US indicators

US Unemployment

— Monthly Unemployment Rate, rhs — New Weekly Jobless Claims, lhs

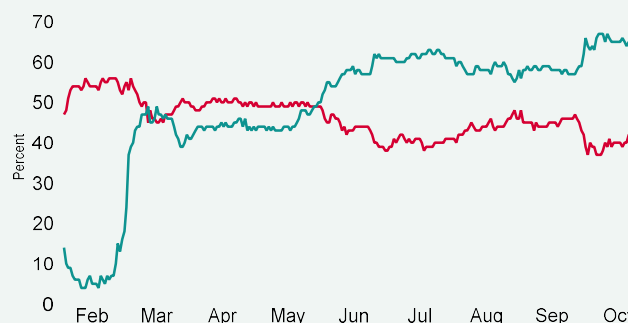


Source: Knight Frank, Macrobond. Last data for the week commencing the 5 October.

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

2020 Presidential Winner (probability of winning, %)

— Trump — Biden



Source: Knight Frank, Macrobond. Last modified: 22 October 2020 09:01 GMT.

	22 Oct	1 week ago	1 month ago
Trump	42%	40%	46%
Biden	65%	65%	58%

Monetary policy

Central Banks Policy Rates

	Current Rate	Rate at 1/1/2020	YTD Change
Advanced Economies			
Australia	0.25%	0.75%	-50 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
Developing Economies			
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	10.25%	12.00%	-175 bps

Central Bank Assets Purchasing Programme

	Lastest (\$)	MoM (%)	YoY (%)
Advanced Economies			
Australia	215 bn	-1.1%	82.0%
Canada	398 bn	-3.7%	351.6%
Euro Area	7.92 tn	3.0%	53.0%
France	1.86 tn	-0.2%	48.9%
Germany	2.79 tn	2.6%	43.8%
Italy	1.53 tn	1.4%	36.7%
Sweden	151 bn	3.0%	54.6%
Japan	6.54 tn	-1.1%	24.0%
United Kingdom	775 bn	-0.2%	-2.5%
United States	7.15 tn	1.5%	80.5%
Developing Economies			
Brazil	513 bn	1.8%	2.7%
China	5.5 tn	3.9%	8.3%
India	366 bn	-3.0%	33.9%
Mexico	216 bn	-2.0%	6.2%
Russia	677 bn	-1.0%	5.0%
Saudi Arabia	490 bn	1.4%	-5.4%
South Korea	453 bn	2.3%	9.6%
Turkey	100 bn	0.7%	-8.5%

Fiscal policy

Fiscal measures details

UK	£330bn+ : 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.
USA	\$3.0tn : 2 nd package passed 23 rd April, worth \$483 billion, increasing US stimulus to \$3 trillion (15% GDP).
EU	€1.35tn : This includes €240bn to the European Stability Mechanism, and €200bn in EIB guarantees. On 4 th June, the ECB extended the pandemic purchase programme (PEPP) until June 2021, purchasing an additional €600bn in bonds, taking total stimulus to €1.35tn. €750bn : a new recovery package for EU member states announced in July including €390bn in grants and €360 in interest free loans.
Germany	€880bn : The emergency aid measure approved on Monday 23 rd 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.
Italy	€400bn : The stimulus announced on the 7 th April €25bn : Emergency package to support businesses and families.
France	€100bn : The stimulus announced on the 3 rd September €45bn : The aid package for SMEs and other hard-hit sectors announced by the French government on 17 th of March. Includes deferred corporate tax, social security charges and two months state payments to laid off workers. €300bn : government backed loans.
Spain	€200bn : 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.
Japan	\$2.2tn : 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.
Hong Kong	HK\$10k for every adult citizen (c.£7bn).

Source: Knight Frank, various sources

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 resulting 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

22 October 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

22 October 2020



Internal and key client use only

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

Confirmed Cases		Confirmed Deaths	Lockdown Index		Internal Movement		Public Events	Public Transport		Workplace		Schools	International Travel	
Europe														
Italy		434,449	36,705											
France		930,745	33,885											
Poland		192,539	3,721											
Portugal		193,736	2,213											
Germany		380,762	9,875											
Russia		1,431,635	24,635											
United Kingdom		762,542	43,967											
Spain		988,322	34,210											
Norway		16,603	278											
Belgium		240,066	10,489											
Bulgaria		31,863	1,019											
Greece		26,469	528											
Denmark		36,373	688											
Switzerland		86,167	1,844											
Ukraine		309,107	5,786											
Finland		13,849	351											
Czech Republic		193,946	1,619											
Netherlands		244,103	6,804											
Sweden		106,380	5,922											
Americas														
Colombia		974,139	29,272											
Canada		203,688	9,794											
Argentina		1,018,866	27,100											
United States		8,273,304	221,066											
Venezuela		87,644	747											
Mexico		860,714	86,893											
Brazil		5,273,954	154,837											
Peru		874,118	33,875											
Africa Middle East														
Kenya		45,647	842											
South Africa		706,304	18,656											
Qatar		129,944	224											
United Arab Emirates		117,594	470											
Turkey		351,413	9,445											
Israel		306,503	2,278											
Iran		539,670	31,034											
Iraq		434,598	10,366											
Jordan		40,972	414											
Tunisia		44,450	711											
Morocco		179,003	3,027											
Egypt		105,705	6,142											
Asia Pacific														
Hong Kong		5,261	105											
Singapore		57,921	28											
Japan		93,933	1,679											
Indonesia		368,842	12,734											
Taiwan		-	-											
South Korea		25,424	450											
China		91,022	4,739											
Philippines		360,775	6,690											
India		7,651,107	115,914											
Vietnam		1,141	35											
Australia		27,430	905											
New Zealand		1,556	25											
Thailand		3,709	59											
Malaysia		22,225	193											
Lockdown Index key & Scale														
No Restrictions: 0 – 25														
Recommended Restrictions: 26 – 50														
Enforced Restrictions: 51 – 75														
Highest Restrictions / Ban: 76 – 100														
Internal movements														
No measure														
Recommended														
Restriction														
Public events														
No Measure														
Recommended														
Required														
Public transport														
No measure														
Recommended														
Required														
Value														
No measure														
Recommended														
Restriction														
Workplace														
No measure														
Recommended														
Some level of														
Required closure of														
some sectors														
Required closure for all														
but essential work														
Schools														
No measure														
Recommended														
Some level of														
schooling required to														
close														
All schools required to														
close														
International travel														
No measure														
Screening														
Quarantine arrivals from														
high risk regions														
Ban on high risk regions														
Total border closure														

In line with some of the fewest reported cases and the smallest reported deaths attributed to COVID-19, Taiwan has the lowest 'lockdown index' score at 19, 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. Taiwan, Tunisia, 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

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.