

COVID-19 Dashboard

16 October 2020



Internal and key client use only

Summary

- **Equities:** In Europe, stocks are higher this morning, with gains recorded by the CAC 40 (+1.1%), STOXX 600 (+0.5%), DAX (+0.4%) and the FTSE 250 (+0.1%). In Asia, the Topix (-0.9%), Kospi (-0.8%), S&P / ASX 200 (-0.5%) and the CSI 300 (-0.1%) all closed lower. The Hang Seng (+0.9%) was the only index to close higher. In the US, futures for the S&P 500 are down -0.1%.
- **VIX:** After increasing +2.2% yesterday, the CBOE market volatility index is up a further +0.9% this morning to 27.2. Meanwhile, the Euro Stoxx 50 volatility index has declined -3.2% to 26.0. Both indices are elevated compared to their long term averages of 19.9 and 23.9.
- **Bonds:** The German 10-year bund yield and the US 10-year treasury yield have both compressed -2bps to -0.63% and 0.72%, while the UK 10-year gilt yield and the Italian 10-year bond yield are down -1bp to 0.17% and 0.68%.
- **Currency:** Sterling and the euro are currently \$1.29 and \$1.17, respectively. Hedging benefits for US dollar denominated investors into the UK and the eurozone are at 0.40% and 1.21% per annum on a five-year basis.
- **Oil:** Brent Crude and the West Texas Intermediate (WTI) are down -1.5% and -1.3% to \$42.52 and \$40.41.
- **Baltic Dry:** The Baltic Dry decreased for the seventh consecutive session yesterday, down -4.6% to 1,561. The index is now -20% lower than the peak seen in July, due to a -26% cumulative decline over the last eight sessions. However, the index remains +43% higher than it was at the start of January.
- **Gold:** The price of gold increased +0.4% yesterday to \$1,908 per troy ounce. Gold remains -8% lower than its record high in August, but is +25% higher than it was at the start of the year.
- **US Unemployment:** There were 898k new unemployment applications in the week to 10th October, above market expectations of 825k and the highest level in close to two months.
- **US Election:** Predictit, the online political futures market currently indicates a 40% likelihood of President Trump being re-elected in November, compared to a 38% probability last week and a 45% likelihood one month ago. The current probability of Joe Biden winning the election is 65%, down from 67% one week ago and 58% 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 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

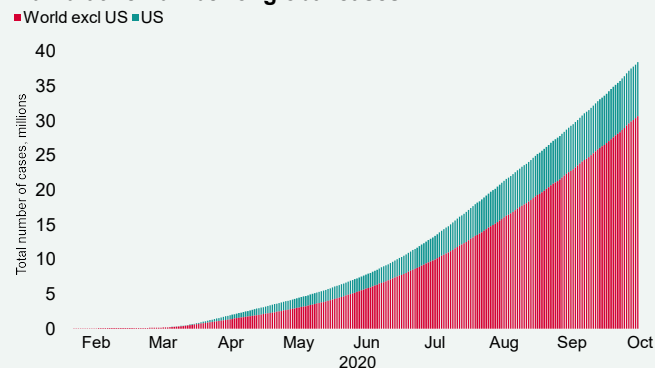
16 October 2020



Internal and key client use only

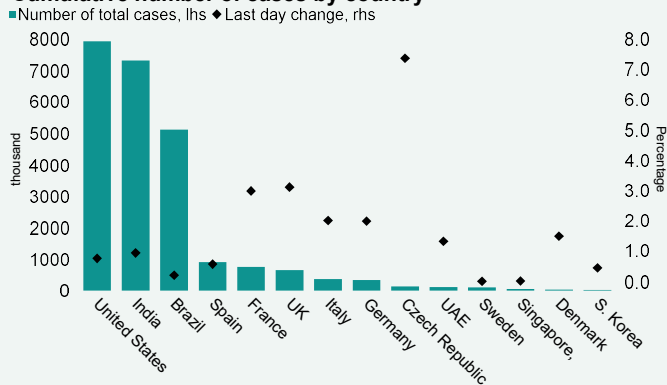
COVID-19

Cumulative number of global cases



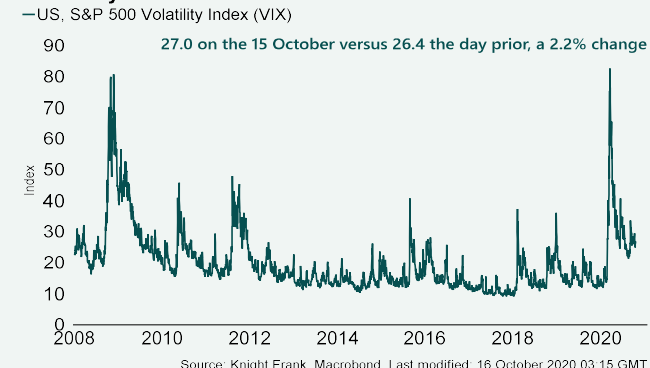
The number of total confirmed cases reached 38.4 million on the 15 October, an increase of 337k new cases over the day prior.

Cumulative number of cases by country



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

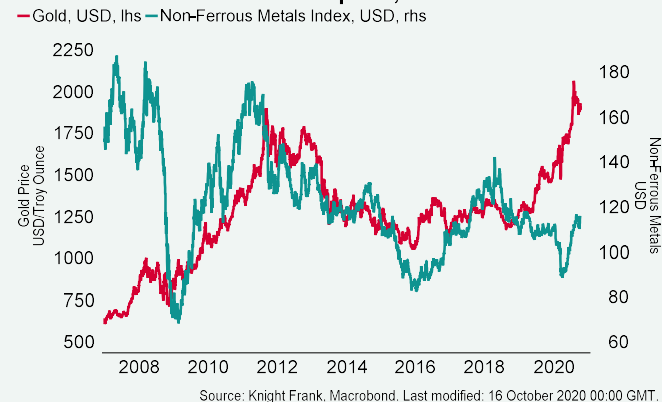
Volatility Index



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.

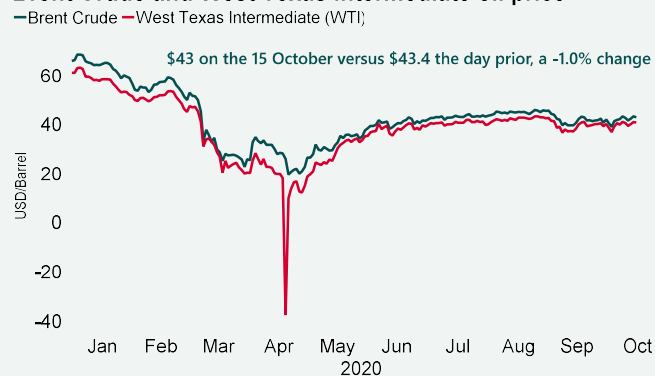
Commodities

Gold and non-ferrous metals price, USD



	15 Oct	D/D (%)	YTD (%)
Gold, USD	1908	0.9	25.8
Non-Ferrous Metals, USD	116	3.0	4.7

Brent Crude and West Texas Intermediate oil price



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)



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

16 October 2020

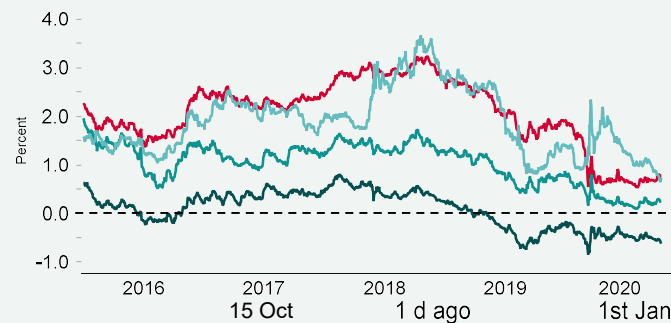


Internal and key client use only

Bonds and currencies

10y Government Bond Yield (%)

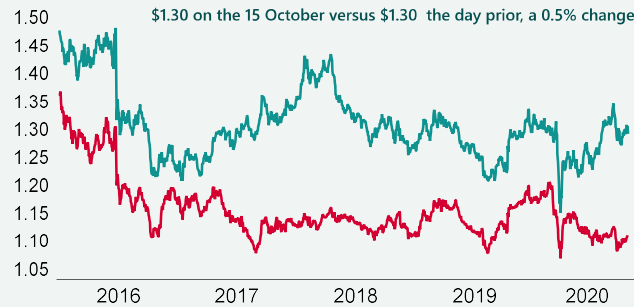
—US —UK —Germany —Italy



	15 Oct	1 d ago	1st Jan
Germany	-0.62	-0.59	-0.19
Italy	0.73	0.64	1.40
UK	0.18	0.22	0.74
US	0.74	0.73	1.92

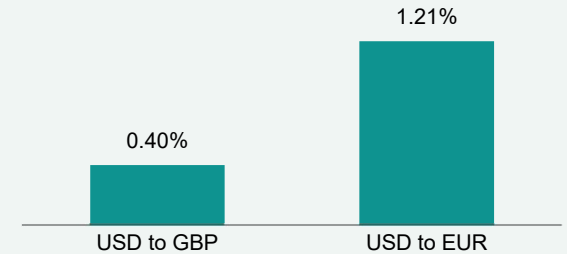
FX Spot Rates

—EUR per GBP —USD per GBP



	15 Oct	1 d ago	1st Jan
EUR per GBP	1.11	1.11	1.18
USD per GBP	1.30	1.30	1.32

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

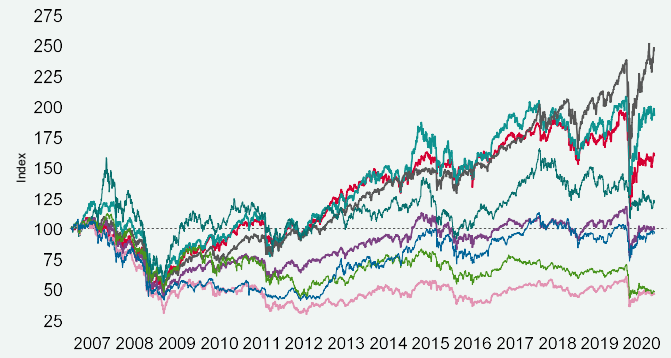


Source: Knight Frank, Investing.com
Approximate additional return per annum that dollar denominated investors may obtain based on five year currency hedge.

Equity and REIT

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

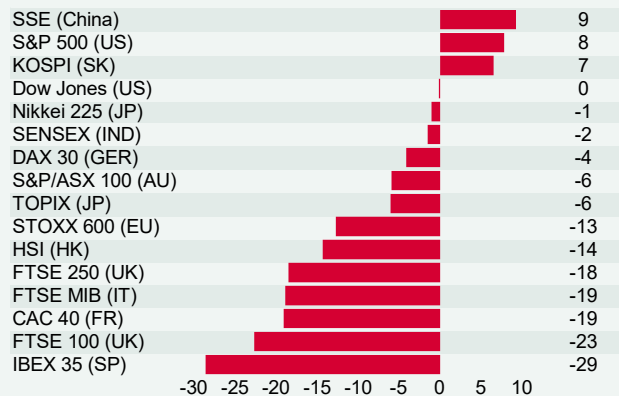
—FTSE 250 —DAX —S&P 500 —STOXX 600 —Hang Seng —MIB —IBEX 35 —TOPIX



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

Equity performance: YTD (%)

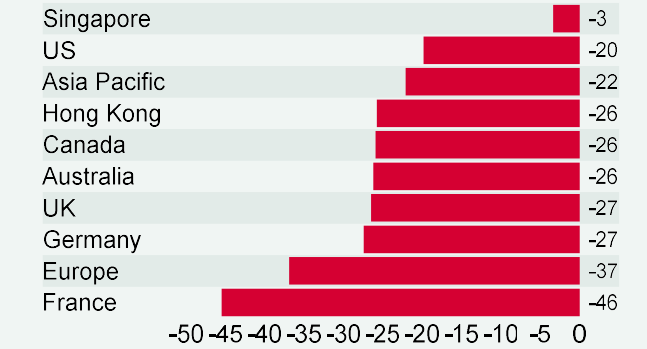
Local currencies



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 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

16 October 2020

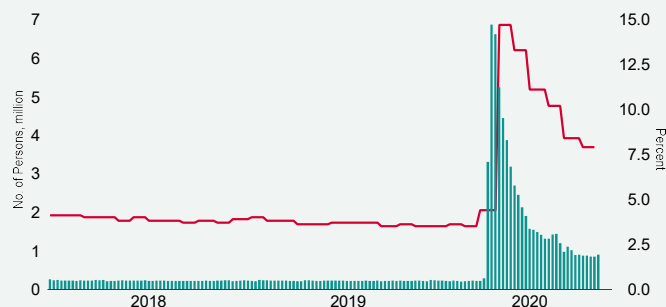


Internal and key client use only

US indicators

US Unemployment

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

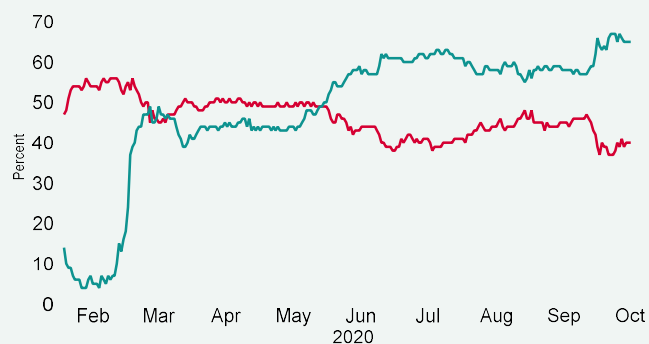


Source: Knight Frank, Macrobond. Last data for the week commencing the 5 October.

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: 16 October 2020 07:00 GMT.

	16 Oct	1 week ago	1 month ago
Trump	40%	38%	45%
Biden	65%	67%	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	-0.9%	82.4%
Canada	398 bn	-3.7%	351.6%
Euro Area	7.93 tn	3.6%	53.9%
France	1.86 tn	-0.2%	48.9%
Germany	2.81 tn	3.3%	44.8%
Italy	1.53 tn	1.4%	36.7%
Sweden	149 bn	1.8%	54.1%
Japan	6.51 tn	1.0%	22.8%
United Kingdom	777 bn	-0.2%	-2.2%
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	-0.5%	-6.9%

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 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

16 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

16 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	372,799	36,289		52										
France	779,063	33,037		47										
Poland	141,804	3,217		19										
Portugal	91,193	2,117		43										
Germany	341,223	9,710		47										
Russia	1,340,409	23,205		48										
United Kingdom	654,644	43,155		68										
Spain	908,056	33,413		55										
Norway	15,791	277		26										
Belgium	181,418	10,278		44										
Bulgaria	26,593	929		35										
Greece	23,495	469		47										
Denmark	33,593	675		51										
Switzerland	68,450	1,814		43										
Ukraine	276,177	5,229		59										
Finland	12,703	350		32										
Czech Republic	139,290	1,172		48										
Netherlands	195,933	6,654		58										
Sweden	101,332	5,907		37										
Americas														
Colombia	930,159	28,306		51										
Canada	189,387	9,664		61										
Argentina	931,954	24,921		88										
United States	7,916,100	216,872		63										
Venezuela	85,005	714		88										
Mexico	829,396	84,898		74										
Brazil	5,140,863	151,747		73										
Peru	856,951	33,512		82										
Africa Middle East														
Kenya	42,541	797		68										
South Africa	696,414	18,151		40										
Qatar	128,603	220		65										
United Arab Emirates	110,039	450		53										
Turkey	340,450	9,014		70										
Israel	299,253	2,099		85										
Iran	513,219	29,349		64										
Iraq	413,215	10,021		79										
Jordan	30,550	257		79										
Tunisia	34,790	512		24										
Morocco	160,333	2,726		66										
Egypt	104,915	6,077		63										
Asia Pacific														
Hong Kong	5,201	105		59										
Singapore	57,889	28		53										
Japan	90,710	1,646		69										
Indonesia	344,749	12,156												
Taiwan	-			19										
South Korea	24,988	439		55										
China	90,869	4,739		54										
Philippines	346,536	6,449		47										
India	7,307,097	111,266		74										
Vietnam	1,122	35		52										
Australia	27,341	904		68										
New Zealand	1,520	25		32										
Thailand	3,665	59		44										
Malaysia	17,540	167		60										
Lockdown Index key & Scale														
No Restrictions: 0 – 25														
Recommended Restrictions: 26 – 50														
Enforced Restrictions: 51 – 75														
Highest Restrictions / Ban: 76 – 100														