

COVID-19 Dashboard

22 May 2020



Internal and key client use only

Summary

- **COVID-19 Cases:** Many European countries are seeing the rate of COVID-19 cases remain low as they cautiously ease restrictions. This includes the Czech Republic (+0.9%), Denmark (+0.7%) and Germany (+0.4%). Sweden, which has avoided a full lockdown, currently has a case growth rate of +2.4%. In Asia, the case rate for South Korea remains low at +0.1%, while Singapore has seen an increase in COVID-19 cases over the day of +2.0%. In the UAE, where shopping malls are open, albeit with tight restrictions, confirmed cases have increased by +3.8%. Brazil, with the fourth-highest cumulative number of infections, saw a +6.8% increase in confirmed cases over the day. The daily growth in confirmed cases for India is +5.3%.
- **Equities:** Global equities were subdued this morning, following an escalation of tension between the US and China. The Hang Seng closed -5.7% lower on Friday, marking the index's worst one-day performance in circa five years. In Europe, declines were led this morning by the FTSE 100, which fell -1.7%, followed by the FTSE 250 (-1.5%), STOXX 600 (-1.2%) and the DAX (-1.1%). The S&P 500 and DJIA are both -0.8% lower.
- **VIX:** The "investor fear gauge" continues its upwards trajectory. Following an increase of +5.3% yesterday, the index is up +3.1% to 32.0 this morning, indicating further expectations of near-term volatility.
- **Bonds:** Bonds have compressed this morning. Declines were led by the US 10-year treasury bond yield which has contracted by -4bps to 0.64%. Both the UK 10-year gilt yield and the German 10-year bund yield have compressed by -1bp to 0.16% and -0.50%, respectively.
- **US Unemployment:** Unemployment applications increased by 2.4 million in the week to May 16th, the lowest increase since the coronavirus crisis began, but marginally above expectations. The total number of US jobless claims has increased by 38.6 million over the past 9-weeks. The highest number of first-time applications were recorded in California with 246,115 claims, followed by New York (226,521) and Florida (223,927).
- **UK Finances:** Public sector net debt excluding public sector banks increased to 97.7% of GDP in April 2020, compared to 80.3% in April one year ago. This is the largest year on year increase in debt as a percentage of GDP, on record.

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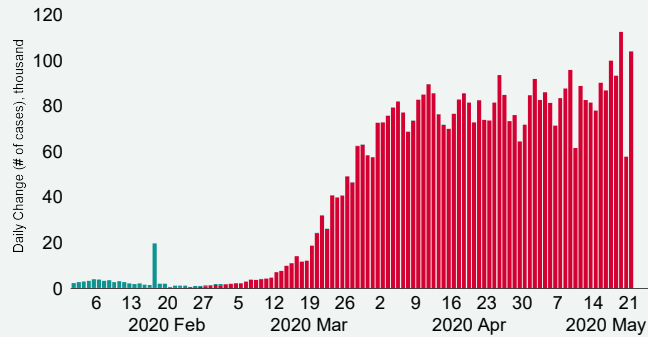


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COVID-19

New cases per day

■ World (ex-China) ■ China

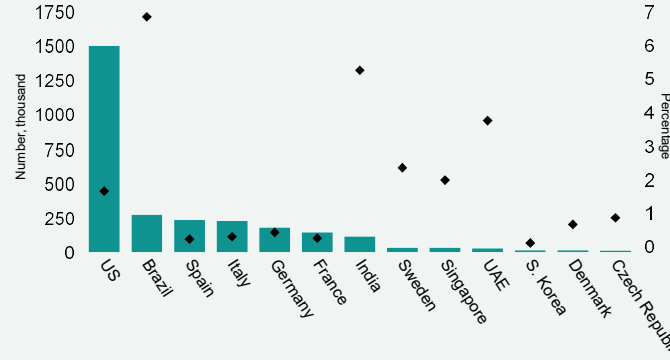


Source: Knight Frank, Macrobond. Last modified: 22 May 2020 02:01 GMT.

The number of total confirmed cases reached 4893k on the 21 May, an increase of 104k new cases over the day prior.

Cumulative number of cases

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



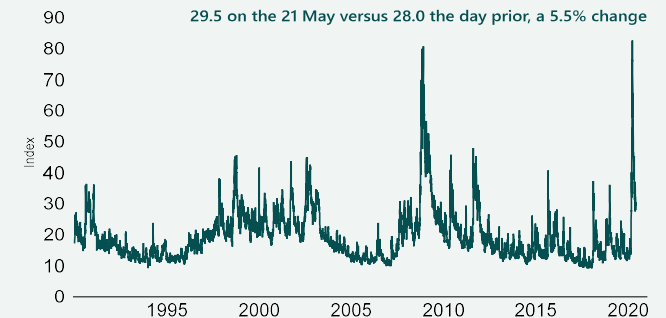
Source: Knight Frank, Macrobond. Last modified: 21 May 2020 00:00 GMT.

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

Investor sentiment

Volatility Index

—US, S&P 500 Volatility Index (VIX)



Source: Knight Frank, Macrobond. Last modified: 22 May 2020 03:15 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 silver price, USD

—Gold, USD, lhs —Silver, USD, rhs

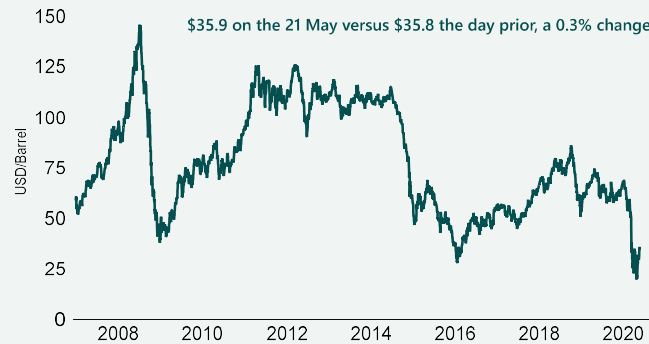


Source: Knight Frank, Macrobond. Last modified: 22 May 2020 06:30 GMT.

	21 May	D/D (%)	YTD (%)
Gold, USD	1727	-1.0	13.8
Silver, USD	17.1	-1.4	-4.1

Brent crude and global commodity price index

—Crude Oil, Brent

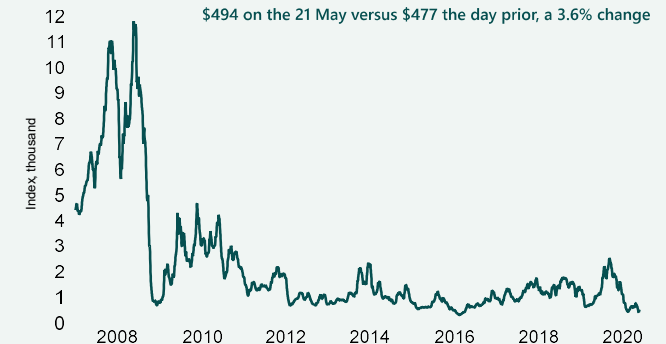


Source: Knight Frank, Macrobond. Last modified: 22 May 2020 02:30 GMT.

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: 21 May 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.

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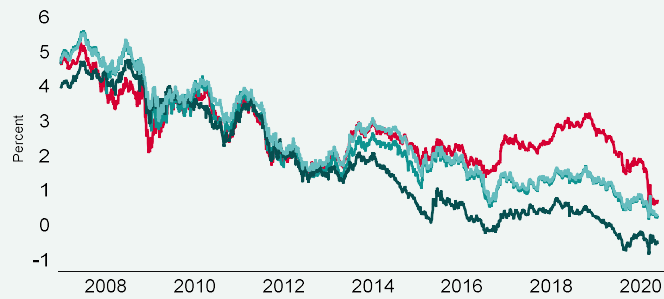


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Bonds and currencies

10y Government Bond Yield (%)

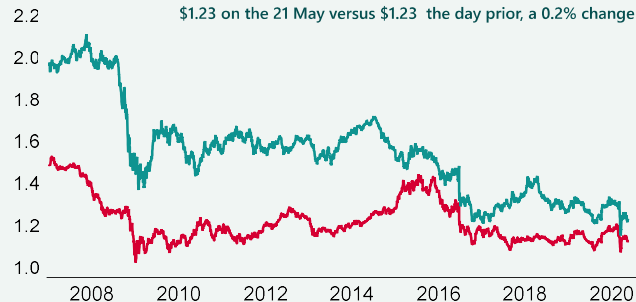
—US —UK —Germany —United Kingdom, Bank of England



	21 May	1 d ago	1st Jan
Germany	-0.46	-0.45	-0.19
UK	0.17	0.24	0.74
US	0.68	0.68	1.92

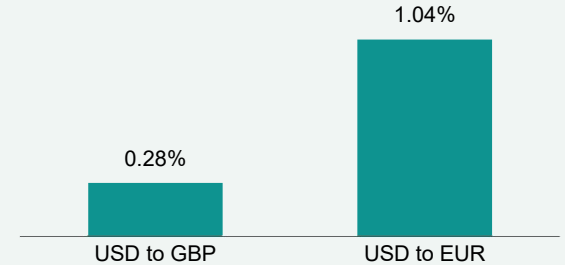
FX Spot Rates

—EUR per GBP —USD per GBP



	21 May	1 d ago	1st Jan
EUR per GBP	1.12	1.12	1.18
USD per GBP	1.23	1.23	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)

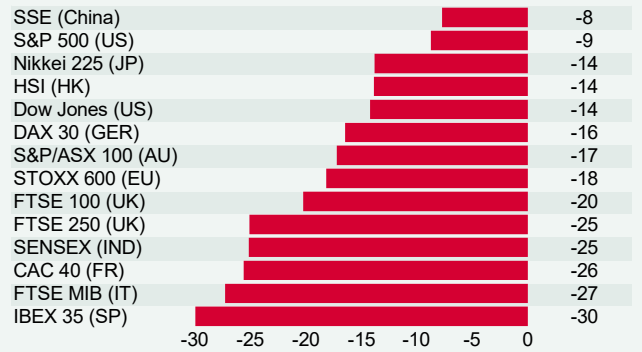
—FTSE 250 —DAX —FTSE 100 —S&P 500 —STOXX 600



Source: Knight Frank, Macrobond. Last modified: 21 May 2020 19:05 GMT.

Equity performance: YTD (%)

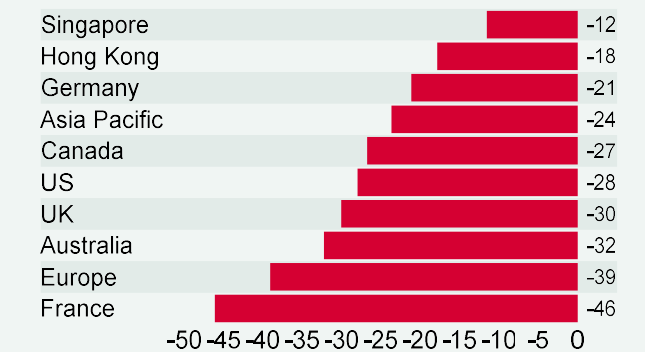
Local currencies



Source: Knight Frank, Macrobond

REIT performance: YTD (%)

Local currencies



Source: Knight Frank, Macrobond

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

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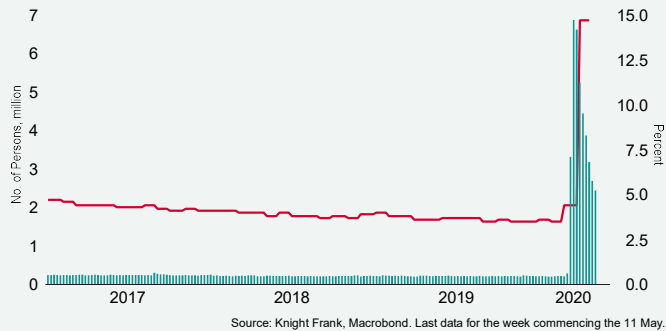


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US indicator

US Unemployment

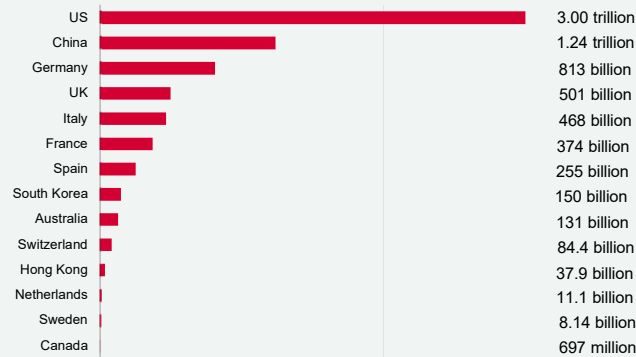
— Monthly Unemployment Rate, rhs ■ New Weekly Jobless Claims, lhs



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

Fiscal policy

Fiscal measures by selected governments (YTD total, \$)



Fiscal measures details

UK	£330bn+ : Government backed loans and guarantees equivalent to 15% of UK GDP. SMEs will be granted access to cash grants of more than £25k to tackle the crisis. Support for furloughed employees of 80% salary ≤£2,500 per month. Furlough has been extended until October 2020, with employers to start 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 in June.
USA	\$3.0tn : 2 nd package passed 23 rd April, worth \$483 billion, increasing US stimulus to \$3 trillion (15% GDP).
EU	€500bn : The EU member states passed this stimulus package, which includes €240bn to the European Stability Mechanism, as well as €200bn in guarantees from the European Investment Bank.
Germany	€750bn : The emergency aid measure approved by the German Cabinet on Monday 23 rd of March.
Italy	€400bn : The stimulus announced on the 7 April to help businesses hurt by a national lockdown. €25bn : Emergency package to support businesses and families.
France	€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	\$10bn : The aid package issued in early March for SMEs and self-employed workers. Additional economic stimulus measures are expected.
Hong Kong	HK\$10k 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
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	3.00%	4.50%	-150 bps
China	4.35%	4.35%	0 bps
India	4.00%	5.15%	-115 bps
Mexico	5.50%	7.25%	-175 bps
Russia	5.50%	6.25%	-75 bps
Saudi Arabia	1.00%	2.25%	-125 bps
South Korea	0.75%	1.25%	-50 bps
Turkey	8.25%	12.00%	-375 bps

Central Bank Assets Purchasing Programme

	Lastest (\$)	MoM (%)	YoY (%)
Advanced Economies			
Australia	175 bn	5.1%	43.4%
Canada	278 bn	103.7%	223.1%
Euro Area	5.96 tn	3.7%	13.5%
France	1.39 tn	11.7%	11.6%
Germany	2.16 tn	2.5%	8.3%
Italy	1.22 tn	3.0%	11.2%
Sweden	123 bn	6.4%	28.7%
Japan	5.88 tn	3.2%	14.7%
United Kingdom	795 bn	0.2%	2.5%
United States	7.04 tn	8.0%	82.2%
Developing Economies			
Brazil	480 bn	-0.6%	-14.3%
China	5.09 tn	-1.2%	-1.7%
India	351 bn	8.6%	33.2%
Mexico	206 bn	3.2%	4.5%
Russia	684 bn	-0.6%	12.9%
Saudi Arabia	485 bn	-3.8%	-3.8%
South Korea	417 bn	0.7%	-5.4%
Turkey	108 bn	11.0%	19.5%

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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	227,364	32,330	69						
France	143,845	28,132	83						
Poland	19,739	962	88						
Portugal	29,660	1,263	77						
Germany	176,752	8,147	71						
Russia	308,705	2,972	72						
United Kingdom	248,293	35,704	73						
Spain	232,555	27,888	83						
Norway	8,268	234	58						
Belgium	55,983	9,150	75						
Bulgaria	2,331	120	65						
Greece	2,850	166	74						
Denmark	11,117	554	76						
Switzerland	30,575	1,629	72						
Ukraine	19,230	564	92						
Finland	6,443	304	66						
Czech Republic	8,721	304	60						
Netherlands	44,447	5,748	77						
Sweden	31,523	3,831	47						
Americas									
Colombia	17,687	630	91						
Canada	80,091	6,030	68						
Argentina	9,270	403	92						
United States	1,551,853	93,439	68						
Venezuela	824	10	86						
Mexico	56,594	6,090	85						
Brazil	291,579	18,859	75						
Peru	104,020	3,024	97						
Africa Middle East									
Kenya	1,029	50	94						
South Africa	18,003	339	89						
Qatar	37,097	16	91						
United Arab Emirates	26,004	233	78						
Turkey	152,587	4,222	80						
Israel	16,670	279	83						
Iran	126,949	7,183	47						
Iraq	3,724	134	80						
Jordan	672	9	72						
Tunisia	1,045	47	88						
Morocco	7,133	194	93						
Egypt	14,229	680	89						
Asia Pacific									
Hong Kong	1,055	4	68						
Singapore	29,364	22	85						
Japan	16,424	777	44						
Indonesia	19,189	1,242	71						
Taiwan	441	7	29						
South Korea	11,122	264	44						
China	84,067	4,638	54						
Philippines	13,221	842	55						
India	112,359	3,435	76						
Vietnam	324	-	69						
Australia	7,079	100	66						
New Zealand	1,153	21	38						
Thailand	3,034	56	81						

Lockdown Index key & Scale

No Restrictions: 0 – 25
 Recommended Restrictions: 26 – 50
 Enforced Restrictions: 51 – 75
 Highest Restrictions / Ban: 76 – 100



Internal movements	Public events	Public transport	Value
No measure	No Measure	No measure	0
Recommended	Recommended	Recommended	1
Restriction	Required	Required	2

Workplace	Schools	Value
No measure	No measure	0
Recommended	Recommended	1
Some level of schooling required to close	Some level of schooling required to close	2
Required closure of some sectors	All schools required to close	3
Required closure for all but essential work		3

International travel	Value
No measure	0
Screening arrivals from high risk regions	1
Quarantine arrivals from high risk regions	2
Ban on high risk regions	3
Total border closure	4

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 29, indicating the restrictions in place are generally recommendations and are not enforced. Countries including Peru, the Philippines and Kenya have some of the highest 'lockdown index' scores.

For most countries, public transport has the most relaxed restrictions. Sweden is the only country where there are no measures implemented on public events. Meanwhile, across the world, there is some measure of restriction on international travel. However, the UK, Jordan and Iran are the exceptions, where international travel is freely permitted with no measures implemented.

Source: Knight Frank, Macrobond, Oxford University, Last Updated: 20/05/2020

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