FISHER INVESTMENTS EUROPE

COVID-19 RESEARCH CATEGORIES

The swift equity market downturn has been large enough to be deemed a bear market. In our view, the downturn has some characteristics of a bear market (e.g. magnitude, likely recession) and some characteristics of a very large correction (e.g. speed and panic of the downturn). Recoveries from corrections and bear markets can behave very differently. Following bear markets, smaller, value-oriented, cyclical companies often lead early in the new bull. Size and style leadership changes following corrections are less consistent. Looking forward, we think there are three primary paths the market may take, which will dictate the proper portfolio positioning.

Scenario	Sector Views
 Scenario 1 - If widespread shutdowns end relatively quickly: Activity resumes quickly Most or all negativity already reflected in prices Large but short-term economic contraction followed by a strong rebound Market acts like an outsized correction, major portfolio moves unlikely needed 	 Current sector views and positioning remain relatively unchanged Growth oriented sectors and high quality categories regain leadership in the near term
 Scenario 2 - If shutdowns and closures continue longer than expected: Longer recession likely, further volatility and possible downside in the short-term but priced in quickly Change portfolios to position for a traditional new bull market recovery 12 to 18 months in the future = prices higher 	 Sector views may change in the months ahead as we get closer to the start of a new bull market cycle Possibly target exposure to smaller, value-oriented sectors, cyclicals and categories likely to bounce the most off the bottom
 Scenario 3 - If shutdowns and closures continue indefinitely: A deep global recession Potentially take defensive action New bull market timing unknown 	 Defensive sectors lead global markets longer than in the first two scenarios Possibly take defensive action including shifts to existing sector weights before repositioning for the start of a new bull market cycle

PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerous examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganised some of our research efforts into the categories below to assess development in this unique period.

Research Category		Key Data Examples			
Virus Progression	Detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity			
Institutional Responses	Tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	Changes to virus containment policiesFiscal and monetary policy measures			
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment.	COVID-19 winners vs. losersBear market trough indicators			
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants.	HY & IG spreads, commercial paper, LIBOR-OIS, CDs			
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalisation" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservations, hotel occupancy, air travel			
Sentiment	Analyzing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations 			

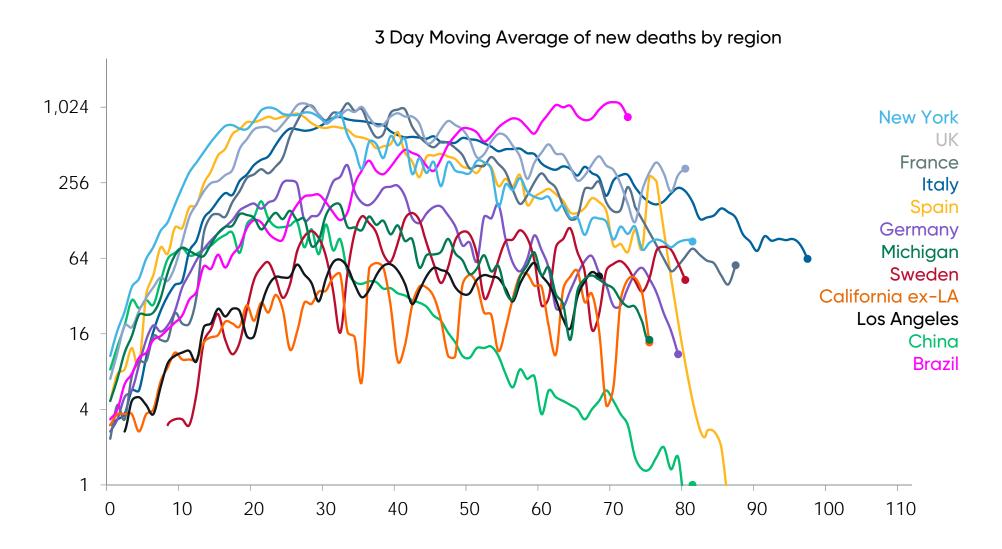
Source: Fisher Investments Research as of 31/05/2020.

VIRUS PROGRESSION INSIGHTS

- Developing a detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.
- Finding consistent trends in the shape of the new case curve matters.
- Hospital bed utilisation helps us understand the stress on health care industry.
- Comparing COVID-19 with the flu seasons pattern gives us insight on the trajectory of virus.
- Tracking the progress of drugs (vaccines, treatment and therapeutics) is also critical.

VIRUS PROGRESSION

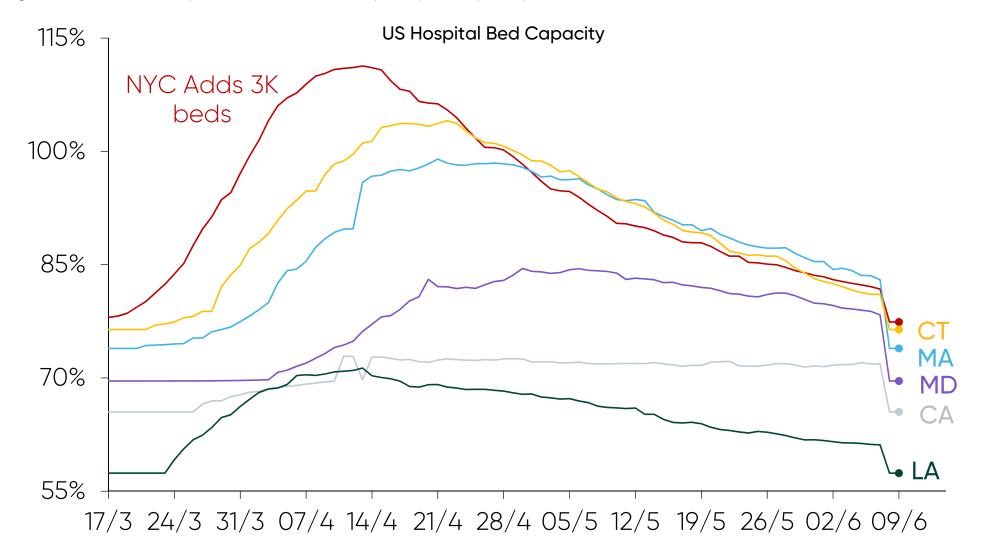
Most major regions of the Northern Hemisphere seem to have passed their peaks on new cases and deaths from COVID-19. This includes prior hot spots such as Wuhan, Italy, and New York.



Source: CDC, NCHS, & John Hopkins. Data as of 09/06/2020. Shows daily deaths due to COVID-19 per region, as a 3-day moving average from 29/02/2020 – 09/06/2020.

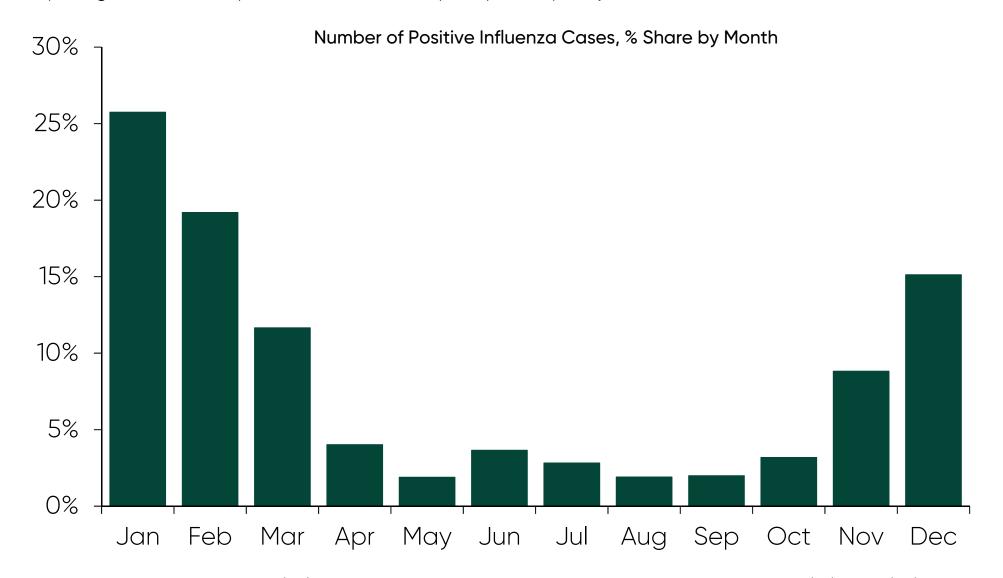
HOSPITALS STRAINED IN HOT SPOTS, LESS SO ELSEWHERE

The main goal of flattening the curve is to prevent overwhelming hospital systems. Hot spots like Italy and New York have seen high hospitalisation levels. But the end of flu season, delayed non-essential procedures, and COVID-19 mitigation have left hospitals elsewhere with plenty of capacity.



THE END OF FLU SEASON IS APPROACHING

Flu season in the Northern Hemisphere most often peaks between December and February—decreasing as warmer weather approaches. Should COVID-19 follow a similar pattern, the higher temperatures could provide a dampening effect on the spread or at least free up hospital capacity.

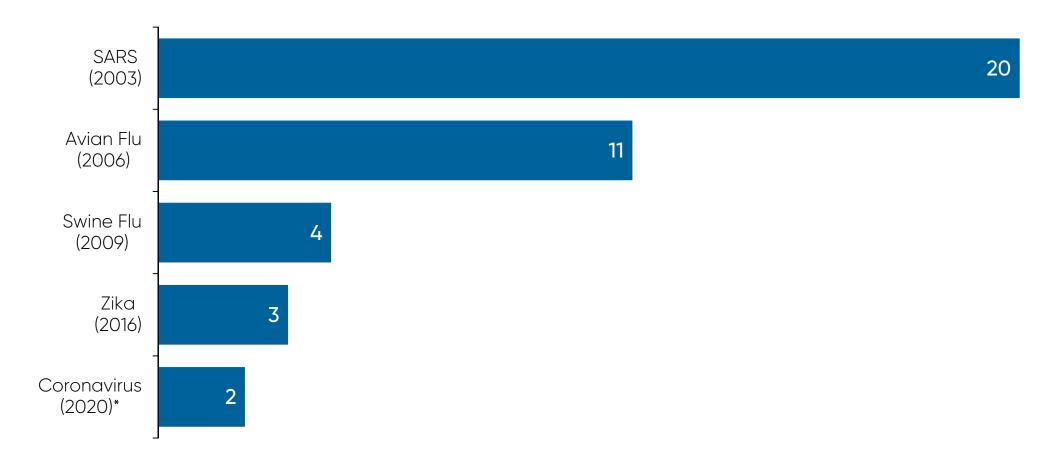


Source: Center for Disease Control, as of 29/04/2020. Total number of influenza positive specimens reported in the US, weekly, 01/10/1997 – 15/04/2020. Shows % of positive specimens reported per month.

MEDICAL TECHNOLOGY ADVANCING RAPIDLY

While COVID-19 vaccines are unlikely to be available in the very near term, gene sequencing and other medical advancements have cut development time massively.

Months from virus genetic sequence selection to first human study



Source: Wall Street Journal, The Journal of the American Medical Association (JAMA) and National Institute of Allergy and Infectious Diseases as of 25/02/2020 Development timeliness for first four DNA plasmid vaccines. *Timeline for coronavirus vaccine is projected.

COMPARISON OF THE RESPONSE TIMING AND VIRAL IMPACT

Throughout the COVID-19 outbreak, various governments have been criticised or praised for their containment response. The table below highlights three countries' responses:

- Austria: A country that is being praised for their quick response.
- Italy: A country criticised for their late response.
- Sweden: A country that is being criticised for taking a limited response.

While we are aware of the differences in demographics, strength of their hospital system, ability to work from home, etc. between these three countries, it still gives a measure on how to evaluate the results and provide a framework for how governments might response to future outbreaks or a resurgence.

Lockdown Example	Country	Date Hit 100 Cases	Lockdown Date	New Cases Peak	# of Days 100 Case to Lockdown	# of Days 100 Cases to Peak	COVID Cases per Million	COVID Deaths per Million
Early	Austria	9/3/2020	16/3/2020	26/3/2020	7	17	1,724	62.0
Late	Italy	23/2/2020	10/3/2020	23/3/2020	16	29	3,303	446.9
Limited Response	Sweden	6/3/2020		2/4/020	N/A	27	1,850	222.3

COMPARISON OF THE RESPONSE TIMING AND VIRAL IMPACT

Early Response (Austria): Austria reacted fairly quickly to the virus, implementing a stay at home order for the country a week after they hit their first 100 cases.

 Viral Impact: Austria experienced a lower reported rate of confirmed cases, fewer deaths per million, and reached the peak of new daily cases ahead of the global average (~25 days)

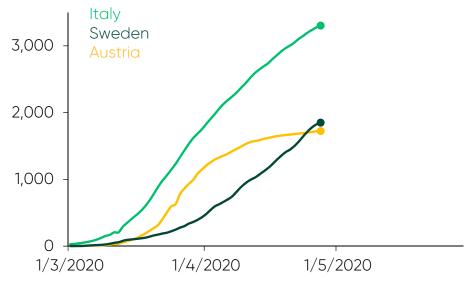
Late Response (Italy): Italy has been criticised for their slow reaction to the outbreak; as it took them over two weeks to announce a stay at home order after their first 100 cases.

 Viral Impact: The death rate, confirmed cases, and time to their new daily case peak were all above average versus global peers

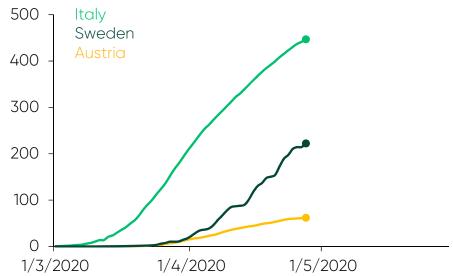
Limited Response (Sweden): Sweden never implemented a stay at home order (they indicated it was already too late) and only urged citizens to follow social distancing practices. They have indicated that they might reach herd immunity levels and have less of an impact if the virus resurges later this year.

 Viral Impact: The death rate is higher than Austria, but much lower than that of Italy. Confirmed cases are roughly in line with that of Austria, while the time to the peak of new daily cases is close to that of Italy.

COVID-19 Cases Per Million



COVID-19 Deaths Per Million



Source: John Hopkins; as of 28/4/2020.

PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerus examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganised some of our research efforts into the categories below to assess development in this unique period.

Research Category		Key Data Examples
Virus Progression	Detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity
Institutional Responses	Tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	Changes to virus containment policiesFiscal and monetary policy measures
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment.	COVID-19 winners vs. losersBear market trough indicators
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants.	HY & IG spreads, commercial paper, LIBOR-OIS, CDs
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalisation" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservations, hotel occupancy, air travel
Sentiment	Analyzing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations

Source: Fisher Investments Research as of 31/05/2020.

INSTITUTIONAL RESPONSE INSIGHTS

- We have been actively tracking governmental shutdowns and responses globally to help us better understand the economic costs of this shutdowns and their impact on equity markets, and how the process of reopening will progress.
- Monitoring if there are any developing patterns in institutional responses and what that could mean in regards to future outbreaks or a second wave of infection.
- Scaling the unprecedented fiscal and liquidity measures governments have taken to impact and limit the impact of COVID-19 on economies and capital markets.

EQUITIES TRACKING COVID-19

Global equities have tracked COVID-19, falling as intensity increased and rebounding as it decreased. More recently, the measures have diverged. Institutional restrictions followed the virus as it worsened but easing those restrictions has lagged improvement.

Country Case Growth Count vs. Equities

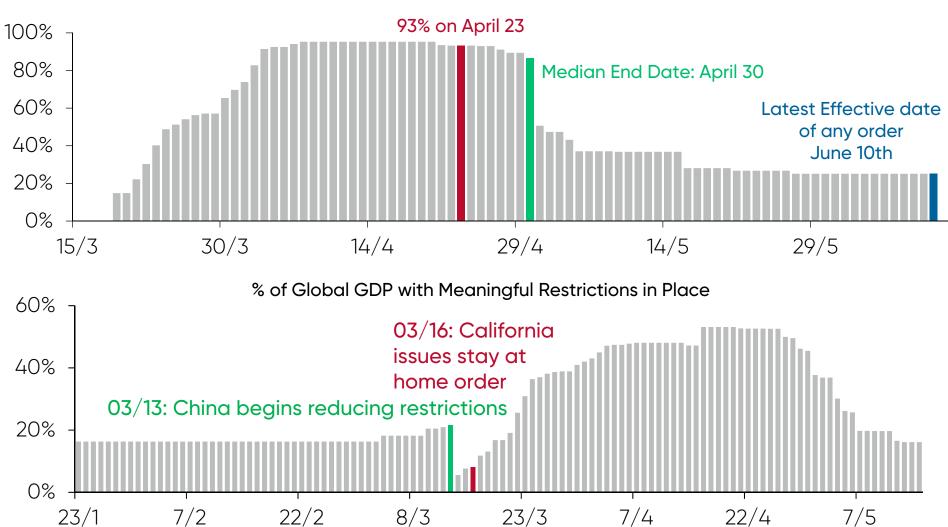
Total Countries >10% Case Growth (LHS) 120 65 Inverse Performance MSCI World Price Rebased to 100 (RHS) 70 100 75 80 80 60 85 90 40 95 20 100 105 3/2 17/2 2/3 16/3 30/3 13/4 27/4 11/5 25/5

Source: FactSet, Johns Hopkins, Fisher Research as of 07/06/2020. Shows MSCI World returns from 03/02/2020 – 07/06/2020 against number of countries experiencing a growth of daily COVID-19 cases greater than 10%.

GLOBAL GDP LOCKDOWN

The speed by which restrictions are eased and economic activity resumes will likely be more important than the magnitude of the contraction.

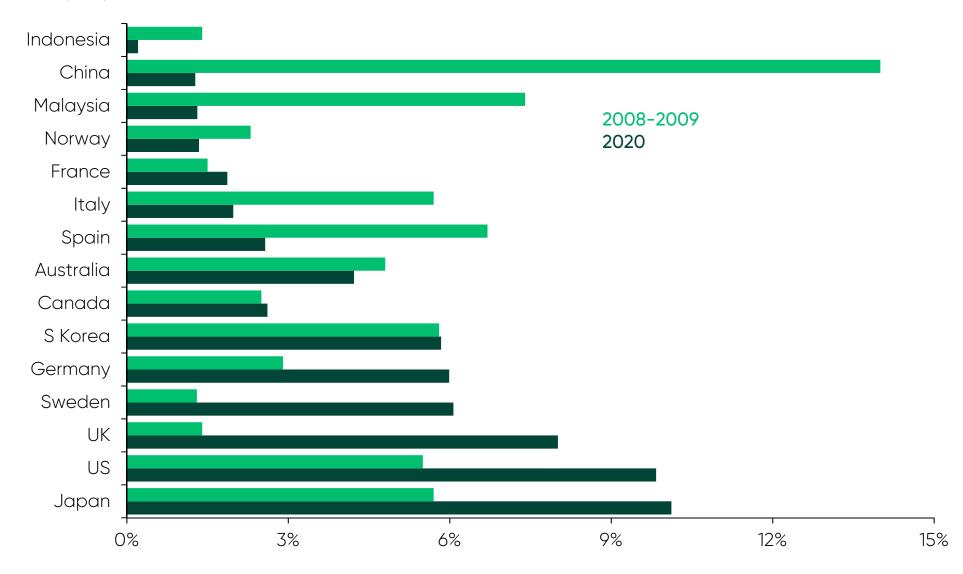




Source: IMF & John Hopkins as of 09/06/2020.

FISCAL STIMULUS IN PERSPECTIVE

Governments have taken significant efforts to cushion the economic impact of COVID-19. Comparing the total fiscal stimulus response from major economies against measures undertaken during the global financial crisis provides perspective.



Source: Fisher Investments Research, IMF & OECD, as of 27/04/2020.

GLOBAL FISCAL MONETARY & EMERGENCY LIQUIDITY MEASURES HAVE BEEN ROBUST

Monetary and fiscal measures implemented in response to the economic impacts of COVID-19 are not stimulus. They are mostly designed as a backstop to keep businesses and individuals afloat, and capital markets functioning until the global economy can normalize.

In Billions	F	iscal Stimul	us			Mor	netary Policy				nergency Lic	quidity Med	asures		Easing St	andards
Country	Local Cur Value Bil	US Dollar 9 Value Bil	% Domestic GDP	Rates 2/3	Rates Now	RRR Cuts	QE \$ Increase	% Domestic GDP	% Central Bank Balance Sheet	Repo Avail	Repo Drawn	Direct CB Loans	USD Swaps	LTRO	Loan Guaran- tees	New Loan Capacity
US Canada	\$2,600 CAD 126	\$2,600 \$94	12.1% 5.5%	1.75 1.75	0.25 0.25	-10% 	\$700 CAD 50	9% 12%	42% 13%	\$1,500 	\$158 CAD 209	\$122 CAD 10	(\$446) \$0		\$2,100 	\$4,000
Europe Germany France Italy Spain	€ 540 € 336 € 45 € 90 € 32	\$611 \$380 \$51 \$102 \$36	 9.8% 1.9% 5.1% 2.6%	-0.50	-0.50		€ 1,470	15%	31%				\$143	€ 277	€ 1,140 € 400 € 300 € 340 € 100	€ 3,450
UK	£170	\$217	7.8%	0.75	0.10		£200	17%	28%		£107	£16	\$23	£28	£330	£1,500
Norway	49 kr	\$5	1.3%	1.50	0			0%					\$5		100 kr	
Sweden	303 kr	\$33	6.1%	0.00	0.00		300 kr	6%					\$0		200 kr	
Switzerland	CHF 20	\$21	2.8%	-0.75	-0.75			1%					\$10		CHF 20	
Japan Australia S Korea Hong Kong Singapore	¥59,121 AUD 134 ₩111,800 HK\$256 SGD 73	\$539 \$93 \$93 \$33 \$52	10.6% 6.7% 5.8% 8.8% 14.6%	-0.10 0.75 1.25 2.75 1.47	-0.10 0.25 0.5 0.55 0.04	 50% 	¥27,290 AUD 15 KRW 3,000 	5% 6% 2% 2%	4% 6% 1% 	 KRW 7,000 	AUD 9 	 AUD 90 	\$224 \$1 \$19 \$10	 ₩24,100 	¥23,000 AUD 40 ₩15,900 HK\$32 SGD 20	¥57,100
China	CNY 4,500	\$635	4.7%	4.15	3.85	-1%		4%	1%		CNY 3,400					
Brazil	R\$565	\$114	7.9%	4.50	3.00	-14%		1%	12%	BRL 50.0			\$0		R\$291	R\$650
India	₹ 2,844	\$38	1.4%	5.15	4.00		₹ 400	1%	1%					₹ 1,500	₹ 7,098	
Mexico				7.25	5.50											
Indonesia	Rp438,320	\$32	2.7%	5.00	4.50	2%	IDR 14,000	1%	10%	IDR 100,000					Rp150,000	
Russia	2,320 ₽	\$34	2.1%	6.25	5.50				1%						880₽	
S Africa	R300	\$18	5.9%	6.25	3.75										R200	
Malaysia	RM200	\$47	13.1%	2.75	2.00	-1%	 th:1,000		10/						RM50	
Thailand	₿ 1,517	\$48	9.0%	1.25	0.50		\$ 1,000	6%	1%	 DUD 700					₿380	
Philippines	₱595	\$12	3.2%	4.00	2.75			2%		PHP 300						
Turkey	100 ₺	\$15 ¢75	2.3%	11.25	8.25										500 ŧ	
Taiwan	NT\$1,050	\$35	5.8%	1.38	1.13											

Source: Each central bank website, and central government most recent announcements and balance sheet value. GDP is in local currency and scaled vs 31/12/2019 via Factset. Updated on 4/6/2020.

INTERNATIONAL MONETARY FUND SUPPORT

The IMF has adequate capacity to assist vulnerable countries in response to COVID-19 with \$1 trillion dollars in financial capacity from three main sources. As of May 18th, \$21,629.59* million dollars has been committed. Among those that have received immediate debt service relief assistance are 25 countries that have been identified as the poorest and most vulnerable.

First line of defense: \$440 billion

The IMF utilises its quota-based resources to finance lending.

Second line of defense: \$196 billion

In the event of a major financial crisis, the IMF can activate the new arrangements to borrow.

Third line of defense: \$344 billion

The IMF has access to bilateral borrowing agreements in case tail risk escalates.

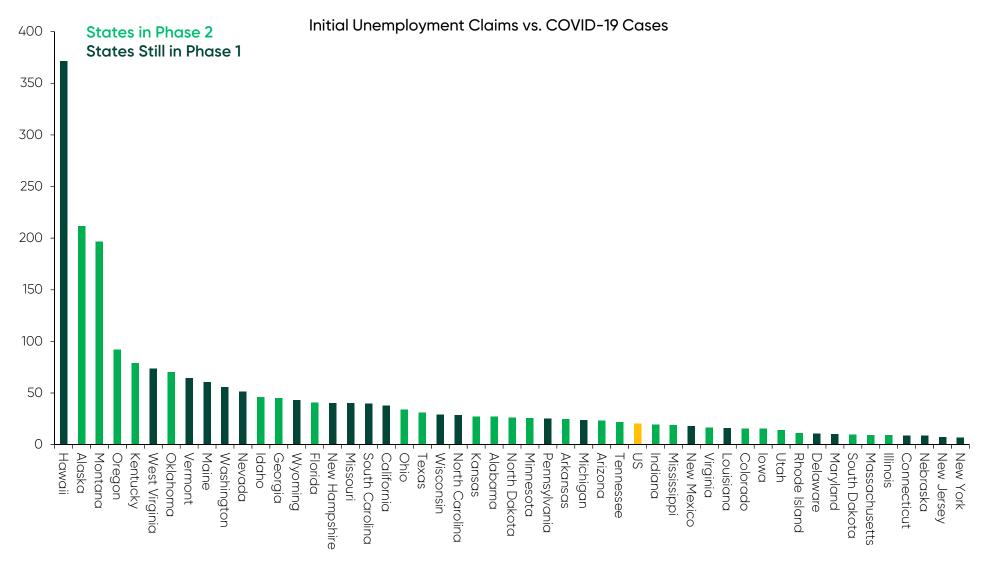
Source: International Monetary Fund, as of 18/5/2020. *Amounts calculated using the SDR/US\$ exchange rate of the day of approval.

US EASING RESTRICTION GUIDELINES

Phase	Individuals	Employers	Specific Types of Employers
	All vulnerable individual continue to shelter in place	Encourage telework, whenever possible and feasible with business operations	Schools and organized youth activities should remain closed
	Practice social distancing in public	Return to work in Phases	Visits to senior living facilities and hospitals should be prohibited
Phase 1	Avoid socializing in groups of 10 or more	Close common areas where people are likely to interact and congregate	Sit-down dining, theaters, sporting venues, places of worship can reopen under strict social distancing protocols
	Minimize non-essential travel	Minimize non-essential travel	Elective surgeries can resume on an outpatient basis
		Consider special accommodations for members of the vulnerable population	Gyms can open with strict social distancing and sanitation protocols
			Bars should remain closed
	All vulnerable individual continue to shelter in place	Encourage telework, whenever possible and feasible with business operations	Schools and organized youth activities can reopen
	Practice social distancing in public	Close common areas where personnel are likely to interact and congregate	Visits to senior living facilities and hospitals should be prohibited
Phase 2	Avoid socializing in groups of 50 or more	Non-essential travel can resume	Sit-down dining, theaters, sporting venues, places of worship can reopen under moderate distancing protocols
	Non-essential travel can resume	Consider special accommodations for members of the vulnerable population	Elective surgeries can resume on an inpatient basis
			Gyms can open with strict social distancing and sanitation protocols
			Bars can operate at a diminished standing-room occupancy where appropriate
	Vulnerable individuals continue resume public interactions	Resume unrestricted staffing of worksites	Visits to senior living facilities and hospitals can resume
Phase 3	Low-risk populations should minimize the time spent in crowded environments		Sit-down dining, theaters, sporting venues, places of worship can reopen under limited distancing protocols
			Gyms can operate under standard sanitation protocols
			Bars can operate with increased standing room

JOB LOSSES TRUMP THE VIRUS IN SOME STATES

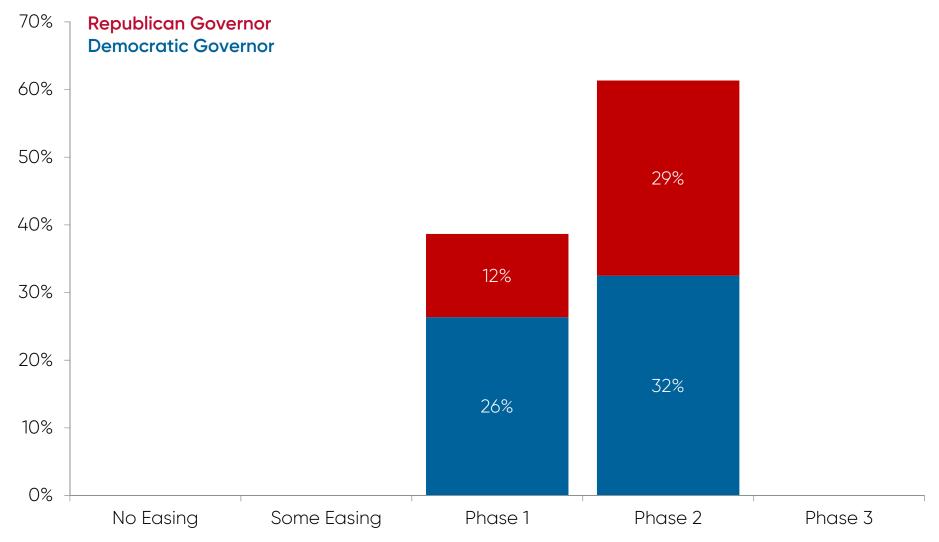
Looking at unemployment claims relative to COVID-19 reveals a large discrepancy among states. In many states, the economic impact seems far more severe than the virus, potentially increasing social pressure to re-open economies.



Source: John Hopkins, US Department of Labor, Fisher Investments Research as of 07/06/2020. New COVID-19 cases per state and stay-at-home orders per state as of 06/07/2020. Total unemployment claims from 03/14/2020 to 07/06/2020, shown against daily cases.

US EASING MEASURES

Most states have announced easing measures and only a dozen (most of which have Democratic governors) haven't eased enough to be quite at an equivalent to the White House's "Phase 1" guidelines. However, the majority of states that fall into the "some easing" category have announced various timelines or guidelines they need to meet to allow additional easing.



Source: National Governors Association, BEA & John Hopkins; as of 31/05/2020. Some easing are for states that has implemented easing measures that is neither Phase 1, 2 or 3 as per recommended by the White House.

EUROPE EASING MEASURES

Country	Date	Easing Measures
Acceptation	1/5/2020	Larger shops, shopping centers, and hairdressers are due to open
Austria	15/5/2020	Restaurants and hotels set to reopen
	14/4/2020	Book, stationary, and children clothing stores reopened but with strict limits on customer count and hygiene
Italy	4/5/2020	Manufacturing industry will start reopening and physical activity can resume outside homes
	11/5/2020	Reopening of shops and public places
	1/9/2020	Schools will reopen
	14/4/2020	Construction and manufacturing workers to return to work
Spain	11/5/2020	Gatherings of up to 10 people will be allowed. Bars/Restaurants (low capacity), museums, gyms and hotels will be allowed to reopen.
Denmark	14/4/2020	Reopened schools for younger children
Germany	20/4/2020	Retailers >800 sq. meters will be allowed to up on 5/4, along with auto & bike dealers, hairdressers, and bookstores (social distancing required).
	4/5/2020	Schools will begin reopening on 5/4 prioritising final-year students. Playgrounds, museums and churches can reopen.
Norway	20/4/2020	Kindergartens are scheduled to reopen
Luxembourg	20/4/2020	Construction sites will resume activity, home improvement, garden centers, and recycling centers will reopen and residents will be obliged to wear masks and observe social distancing
	25/5/2020	Gradual reopening of primary schools and after-school clubs over 2 weeks.
France	11/5/2020	Lockdown extended to 5/11, but schools and shops will then begin to reopen. Restaurants will remain closed
United	13/5/2020	Individuals that cannot work from home can go back to work (mfg. and construction), but work environments need to be up to gov't standards
Kingdom	1/6/2020	Reopen shops and schools
	1/7/2020	Pubs, restaurants, beauty salons, theatres, and places of worship may reopen

Source: IMF & John Hopkins as of 31/05/2020.

Easing Lockdown Measures

Ongoing Lockdown Measures



PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerous examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganized some of our research efforts into the categories below to assess development in this unique period.

Research Category		Key Data Examples
Virus Progression	Detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity
Institutional Responses	Tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	Changes to virus containment policiesFiscal and monetary policy measures
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment.	COVID-19 winners vs. losersSize & style performance spreads
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants.	HY & IG spreads, commercial paper, LIBOR-OIS, CDs
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalization" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservations, hotel occupancy, air travel
Sentiment	Analyzing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations

Source: Fisher investments research as of 31/05/2020.

EQUITY MARKET INTERNALS

- The COVID-19 basket dispersion tracks the spread between custom baskets of US stocks that benefitted or suffered the most from COVID-19 panic and social distancing.
- If the relative performance of those parts of the market that were impacted the most improves, or deteriorates, that may provide signals about shifting investor sentiment and could foreshadow a reversal or further downturn.
- Winners include food/staples, shipping, stay-at-home entertainment, firearms and Amazon.
- Losers include travel, restaurants, retail, autos and live entertainment.

COVID IMPACT LOSERS & WINNERS

The relative performance of different types of equities may provide signals about shifting investor sentiment. For example, comparing the performance of perceived COVID-19 "losers" to "winners" may signal shifts in investor confidence.

Russell 3000 COVID IMPACT – "Winners"							
	YTD	Since Last Trough	Basket count	Largest Stock in Basket			
"Winners" Categories	9.8%	28.2%	142				
Firearms	61.4%	59.8%	3	Sturm Ruger			
Amazon	40.8%	36.7%	1	Amazon.com			
Stay-Home Entertainment	26.0%	25.5%	10	Netflix			
Shipping	-0.5%	30.3%	30	United Parcel Service			
Food & Staples	-2.3%	24.5%	98	Walmart			

Source: Fisher Investments Research, FactSet as of 09/06/2020. Shows performance of custom baskets of COVID impacted equities for the Russell 3000 index. Last trough refers to March 23rd 2020.

COVID IMPACT LOSERS & WINNERS

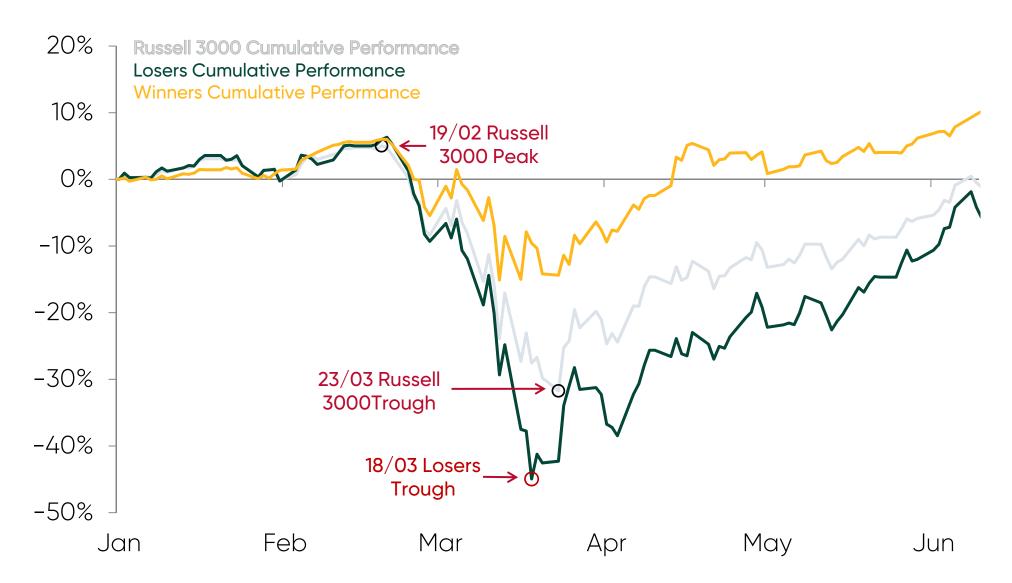
The relative performance of different types of equities may provide signals about shifting investor sentiment. For example, comparing the performance of perceived COVID-19 "losers" to "winners" may signal shifts in investor confidence.

Russell 3000 COVID IMPACT – "Losers"							
	YTD	Since Last Trough	Basket count	Largest Stock in Basket			
"Losers" Categories	-4.2%	66.0%	237				
Automobiles	14.2%	87.2%	42	Tesla			
Retail	4.9%	67.0%	79	Home Depot			
Restaurants	-4.9%	52.8%	42	McDonald's			
Travel	-25.2%	62.9%	57	Booking Holdings			
Live Entertainment	-25.7%	51.7%	17	Liberty Media			

Source: Fisher Investments Research, FactSet as of 09/06/2020. Shows performance of custom baskets of COVID impacted equities for the Russell 3000 index. Last trough refers to March 23rd 2020.

COVID IMPACT BASKETS - YTD CUMULATIVE PERFORMANCE

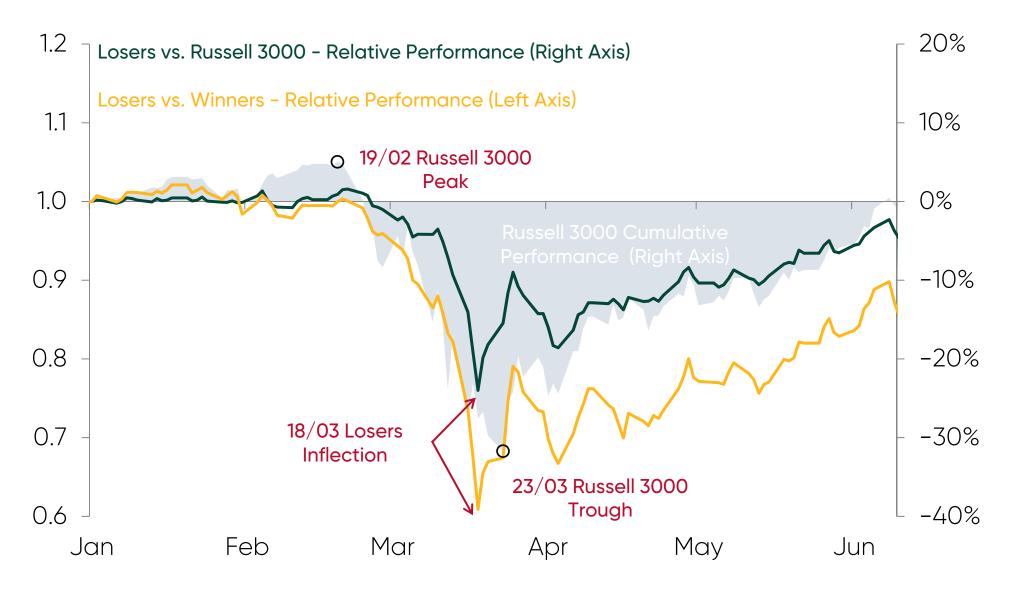
The "loser" basket bottomed on March 18th, three trading days before the broader market troughed on March 23rd. Since March 23rd, the "losers" have outperformed "winners" by +37.8%.



Source: Fisher Investments Research & FactSet as of 09/06/2020. Shows cumulative performance for the custom winners & losers baskets, as well as for the Russell 3000 index from 01/01/2020 to 09/06/2020.

COVID IMPACT BASKETS - YTD RELATIVE PERFORMANCE

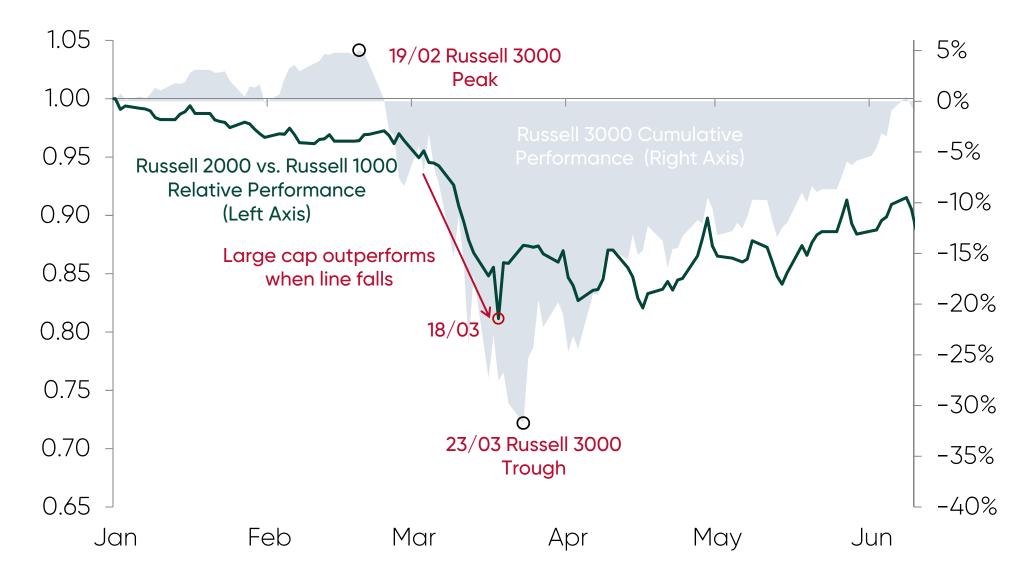
The COVID impact "losers" have outperformed "winners" by +52.6% (+74.0% vs +21.4%) since the "losers" trough on March 18th, though the bounce remains inconsistent.



Source: Fisher Investments Research & FactSet as of 09/06/2020. Shows cumulative performance for the custom winners & losers baskets, as well as for the Russell 3000 index from 01/01/2020 to 09/06/2020.

COVID IMPACT SIZE SPREADS

Large cap led the way through the downturn, but style leadership has remained inconsistent since. Since the March 23rd trough, the Russell 2000 has outperformed the Russell 1000 by 5.2%.



Source: Fisher Investments Research & FactSet as of 09/06/2020. Shows cumulative performance for the Russell 1000 vs. Russell 2000 index, and Russell 3000 index from 01/01/2020 to 09/06/2020.

COVID IMPACT STYLE SPREADS

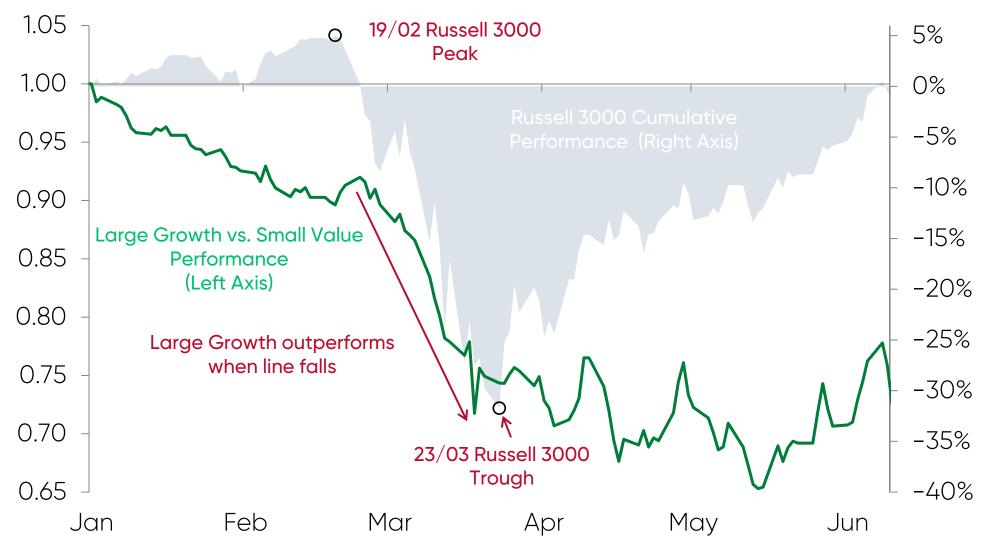
Growth leadership has been more prominent than size leadership. While there has been some counter trend rallies, growth has consistently led over this period through the downturn, as well as most of the recovery.



Source: Fisher Investments Research & FactSet as of 09/06/2020. Shows cumulative performance for the Russell 3000 Growth vs. Russell 3000 Value, and Russell 3000 index from 01/01/2020 to 09/06/2020.

COVID IMPACT SIZE & STYLE SPREADS

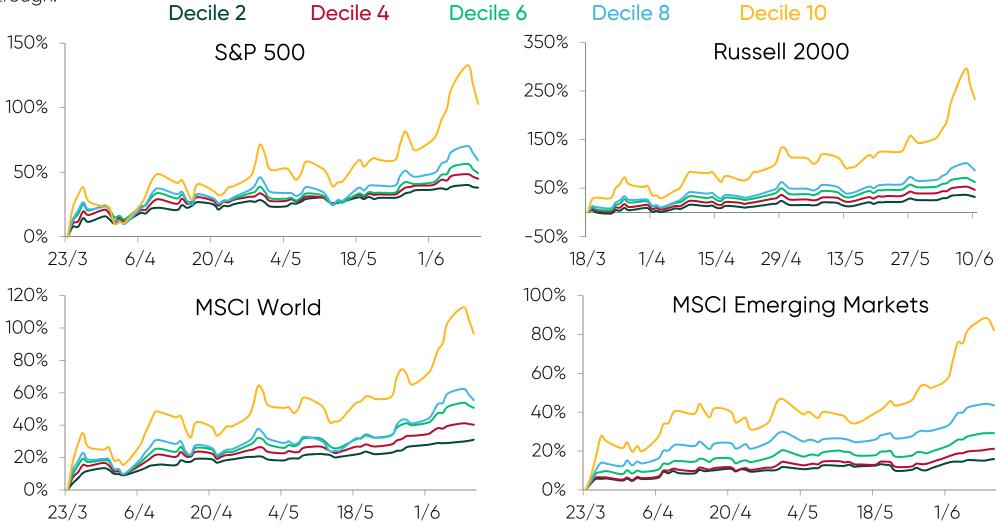
A closer look at a combination of size and style factors reveals the widest performance spread between the observed categories. While large growth has outperformed through the downturn and most of the recovery, this has remained inconsistent, with bouts of small cap value outperformance.



Source: Fisher Investments Research & FactSet as of 09/06/2020. Shows cumulative performance for the Russell 1000 Growth vs. Russell 2000 Value, and Russell 3000 index from 01/01/2020 to 09/06/2020.

BOUNCE EFFECT ALIVE & WELL

While outperformance across style & size spreads remains inconsistent, a broad bounce effect seeing the worst performers of the downturn outperform in the recovery is apparent. The charts below categorize equities in deciles relative to their performance from the last index high to peak, and plot their performance from the last market trough.



Source: Fisher Investments Research & FactSet as of 10/06/2020. Shows cumulative performance of equities for shown indices by decile, based on performance from relevant previous market high to trough, with charts showing cumulative performance for those deciles from the last index trough to 10/06/2020.

31

PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerous examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganized some of our research efforts into the categories below to assess development in this unique period.

Research Category		Key Data Examples
Virus Progression	Detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity
Institutional Responses	Tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	Changes to virus containment policiesFiscal and monetary policy measures
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment.	COVID-19 winners vs. losersBear market trough indicators
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants.	HY & IG spreads, commercial paper, LIBOR-OIS, CDS
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalization" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservations, hotel occupancy, air travel
Sentiment	Analyzing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations

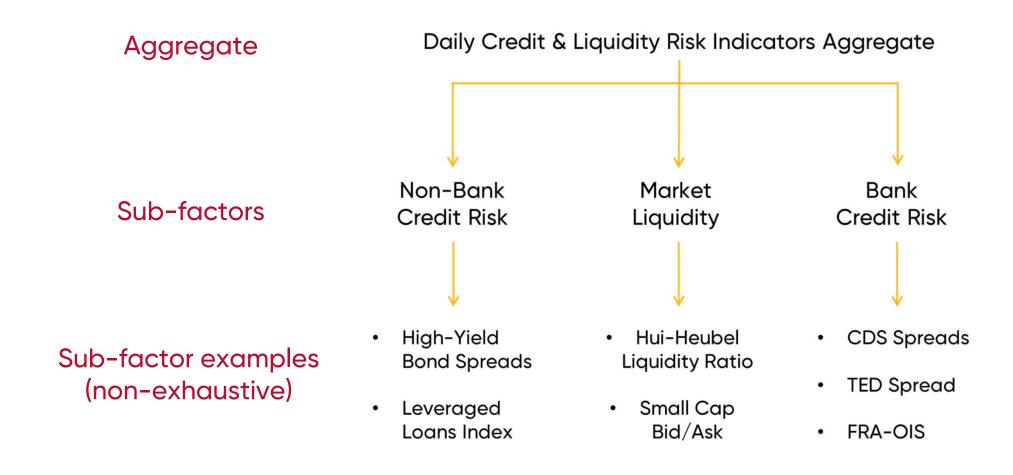
Source: Fisher investments research as of 31/05/2020.

NON-EQUITY CAPITAL MARKETS

- Non-equity capital market indicators show the perceived level of risk by market participants and whether stress on the financial system is abating.
- This is tracked through aggregating daily indicators focusing on short-term credit risk, non-bank credit risk and market liquidity.
- While the downturn did not originate within the economy, non-equity capital market indicators are paramount to measure the impact the crisis has had on the financial system.
- Overall, where the Federal Reserve has established backstops, liquidity has normalized, and short-term credit spreads continue to improve gradually.
 High yield spreads remain stubbornly high, however, more recently spreads have begun to show more robust improvement.

NON-EQUITY CAPITAL MARKETS - BROAD OVERVIEW

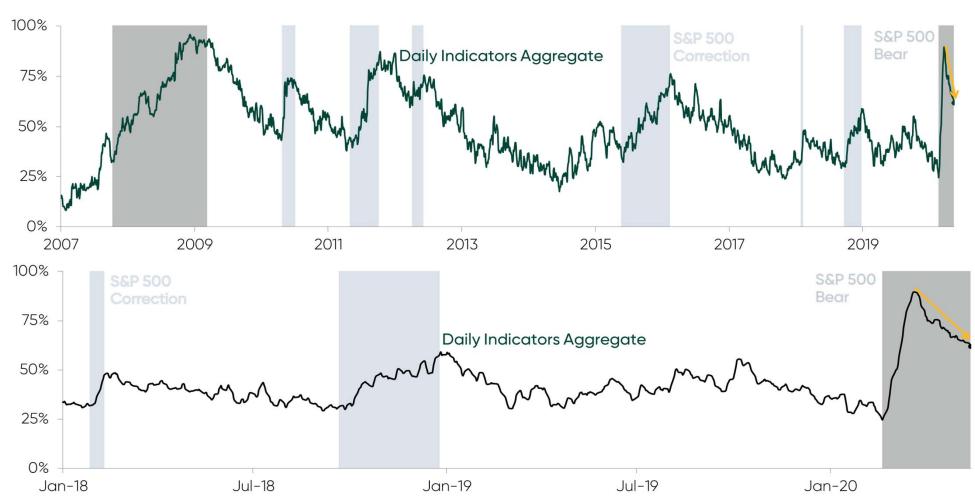
How we track daily credit and liquidity risk through custom aggregates of various types of indicators. The below sub-factor examples are not exhaustive for each sub-factor category.



NON-EQUITY MARKET INDICATORS AGGREGATE

Aggregating non-equity market indicators gives an indication of how readings on different factors such as market liquidity, bank credit risk and non-bank credit risk are changing. Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants. At a general level, credit and liquidity measures have seen significant improvement since the latest peak strain on March 19th.

Daily Credit & Liquidity Risk Indicators Aggregate values shown as % rank of historical range

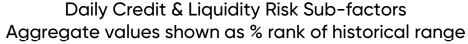


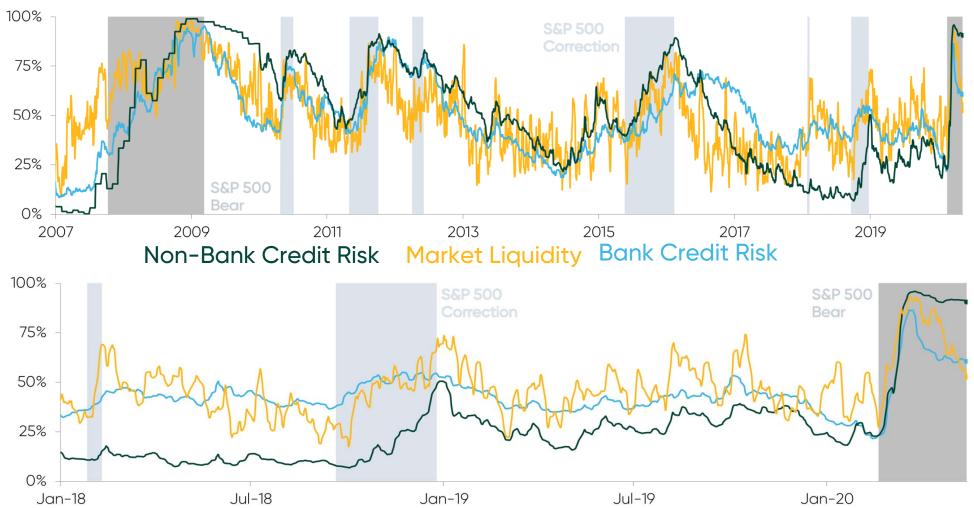
Source: Fisher Investments Research. Shows aggregated daily credit & liquidity indicators as a 3-day moving average of their percentage rank of historical range from 01/01/2007 to 13/05/2020.

35

NON-EQUITY MARKET INDICATORS AGGREGATE SUB-FACTORS

A closer look at the general factors that make up the broad aggregate reveals that all have improved, save for high yield (HY) non-bank credit risk, which has remained flat. No indicators have materially deteriorated, and liquidity has improved at the fastest pace. The slides that follow highlight examples of measures which make up the sub-factors below. Note these are non-exhaustive, and merely representational of the type of measure observed.

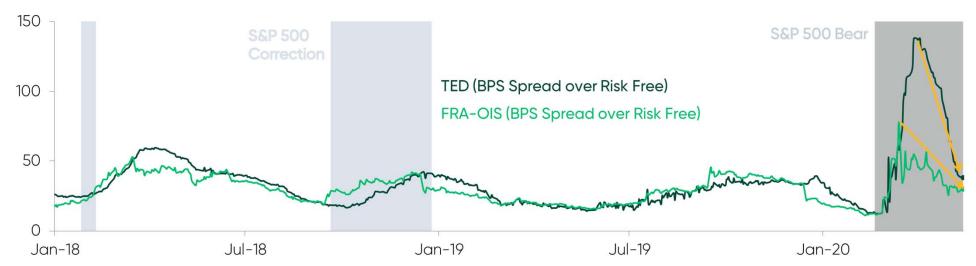




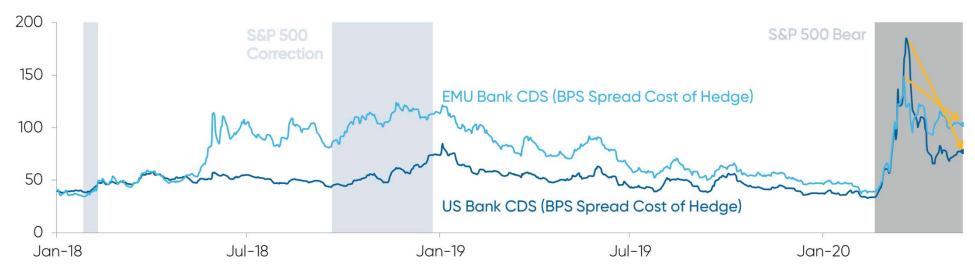
Source: Fisher Investments Research. Shows aggregated daily credit & liquidity indicators as a 3-day moving average of their percentage rank of historical range from 01/01/2007 to 13/05/2020.

SUB FACTOR EXAMPLE: MEASURING BANK CREDIT RISK

TED Spread & FRA-OIS Ratio. TED spreads give an indication of perceived credit risk, based on the difference between short term US treasuries and the interest on interbank loans. The FRA-OIS ratio is seen as the markets' measure of how expensive or cheap it will be for banks to borrow in the future, relative to the risk-free rate.



Credit Default Swaps (CDS), meanwhile, give an idea of perceived risk through the cost of insuring against non-repayment of debt.

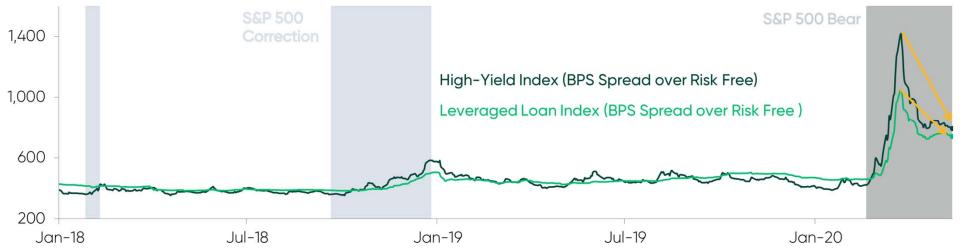


Source: Bloomberg. Shows basis point TED & FRA-OIS spread over the risk-free rate from 01/01/2018 to 13/05/2020. Credit Default Swaps for US & EMU banks shown as basis point spread cost of hedge.

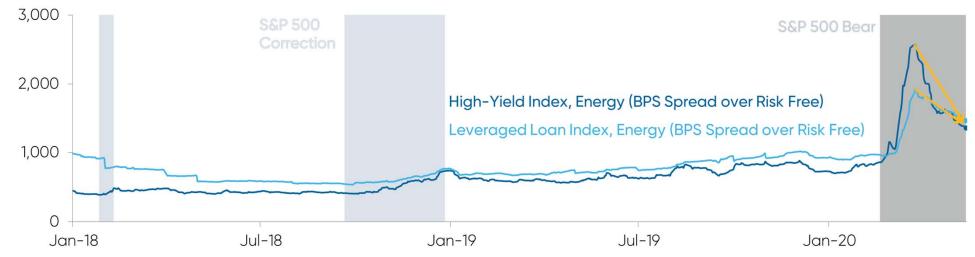
37

SUB FACTOR EXAMPLE: MEASURING NON-BANK CREDIT RISK

High-Yield (HY) Bond Spreads. The HY spread shows the difference in yield received for HY corporate debt, against the risk-free rate, where rising spreads are taken to show weakening economic conditions tied to elevated levels of perceived risk.



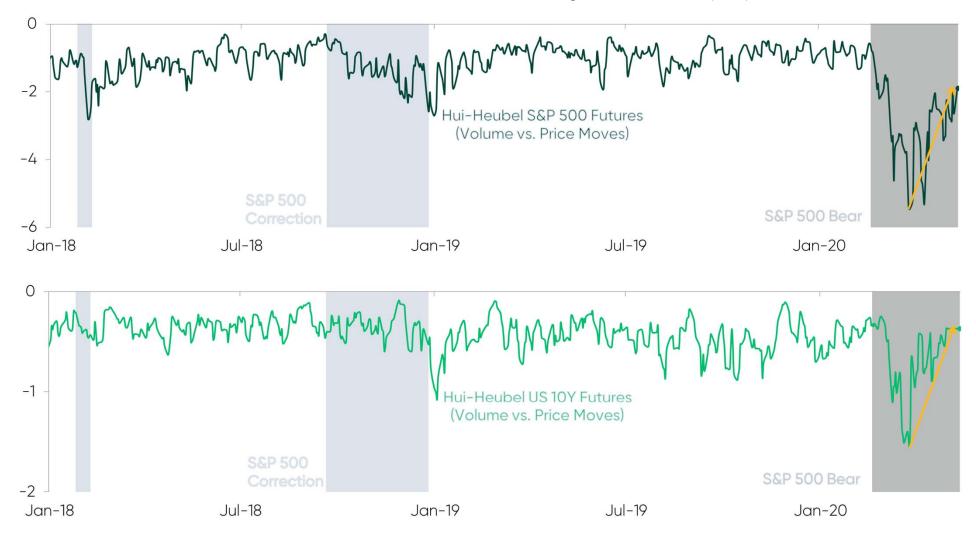
The Leveraged Loan Index (LL) index tracks the price of non-investment grade corporate leveraged loans against the risk-free rate. These loans are mostly traded on the secondary market, an elevated spread is seen to be indicative of a higher risk of missed payments or defaults.



Source: Credit Suisse. Shows basis point high-yield and leveraged loan index spread over the risk-free rate from 01/01/2018 to 13/05/2020.

SUB FACTOR EXAMPLE: MEASURING MARKET LIQUIDITY

Hui-Heubel (HH) Liquidity Ratio. The ratio relates the volume of trades, as a proportion of outstanding shares, to its impact on prices. The larger the volume of trades relative to the price changes, the deeper and more resilient the market is seen to be. For both S&P 500 and US 10Y Futures, readings have markedly improved.



Source: FactSet. Shows Hui-Heubel ratio for S&P 500 futures and US 10-Year futures from 01/01/2018 to 13/05/2020.

PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerous examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganised some of our research efforts into the categories below to assess development in this unique period.

Re	esearch Category	Key Data Examples					
Virus Progression	A detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity					
Institutional Responses	We have been actively tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	Changes to virus containment policiesFiscal and monetary policy measures					
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment	COVID-19 winners vs. losersBear market trough indicators					
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants	HY & IG spreads, commercial paper, LIBOR-OIS, CDs					
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalisation" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservations hotel occupancy, air travel					
Sentiment	Analysing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations 					

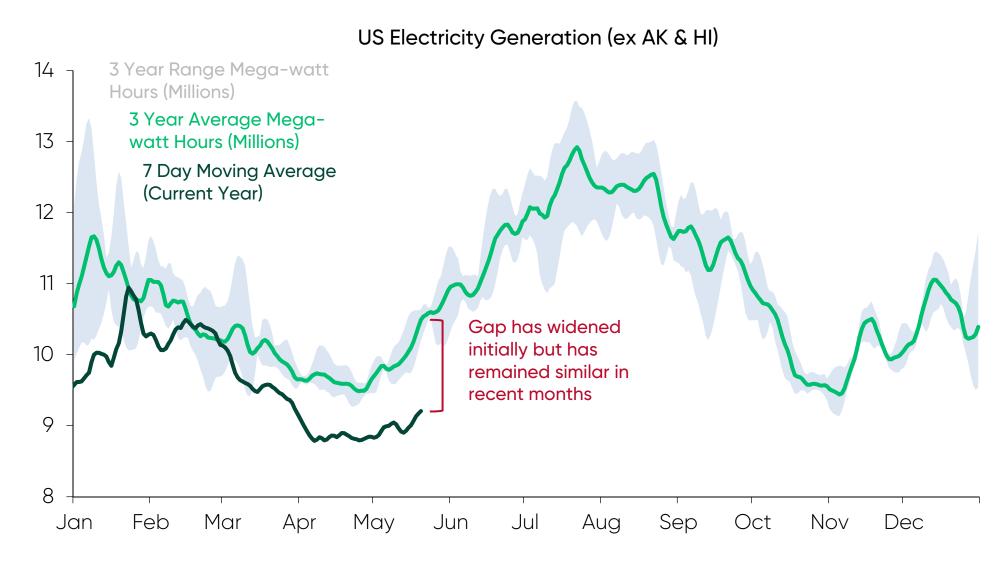
Source: Fisher investments research as of 31/05/2020.

HIGHER FREQUENCY ECONOMIC DATA

- In the midst of rapid changes and high volatility, traditional economic releases may prove too lagged to be useful. Examining high-frequency economic data in a period like this is more likely to provide insights.
- Most indicators covering the US and Europe have either bottomed or are improving.
- Easing areas are showing greater improvement in mobility, restaurant visits and consumer spending, potentially indicating how the rest of the world will fare as more regions are starting to ease restrictions.
- US mortgage loan forbearance is an exception as it continues to rise, albeit flattening in recent weeks.

US ELECTRICITY GENERATION

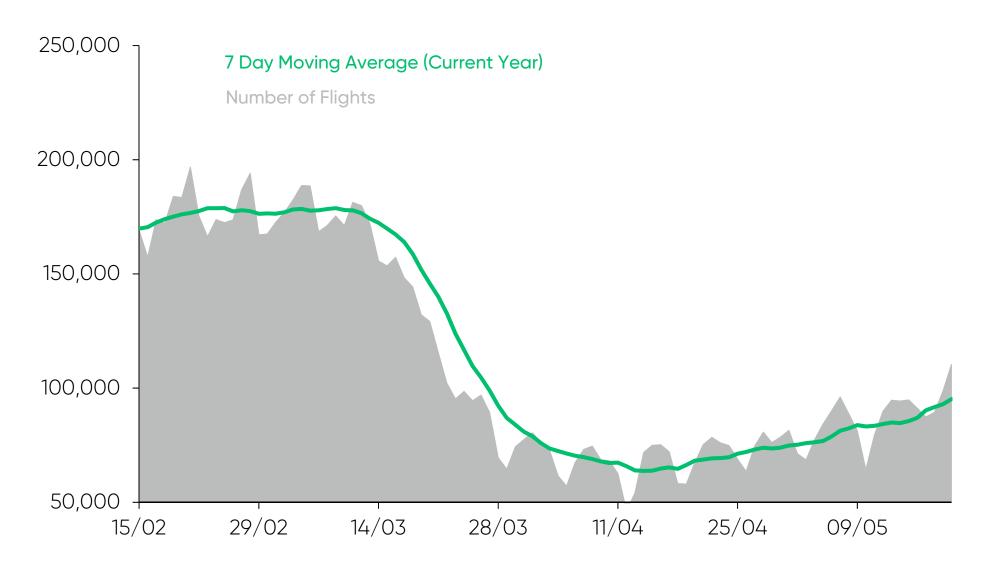
US electric generation remains in significant decline; however, the gap has been mostly consistent since its largest drop in April.



Source: Energy Information Administration. Data as of 20/05/2020.

TOTAL NUMBER OF FLIGHTS, PER DAY, LAST 90 DAYS

Global flights continue to improve at a fairly consistent pace but remain down -44% from their YTD peak. Flights were down over -60% at their current bottom in mid-April.



Source: Flightradar 24. Data as of 20/05/2020,

GOOGLE MOBILITY DATA

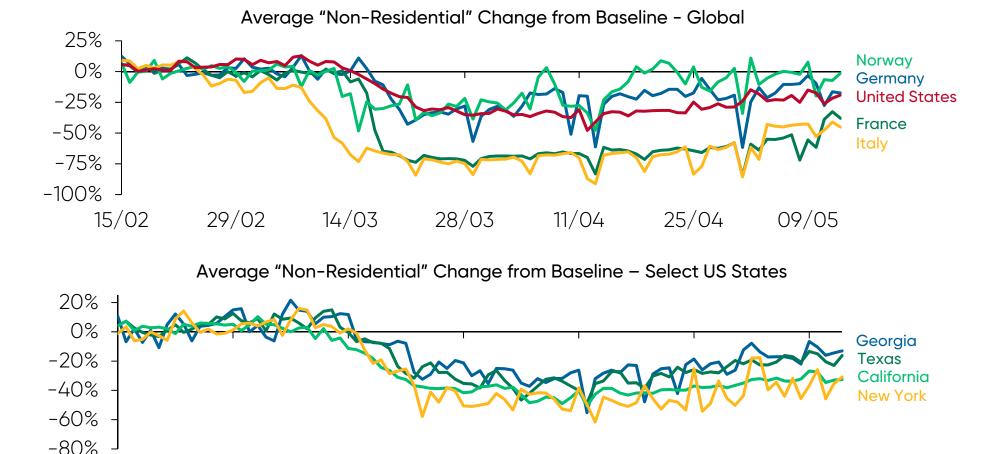
29/02

15/02

14/03

This data shows visits and length of stays at different places compared to the baseline. The baseline is the median value, for the corresponding day of the week, during the 5-week pre COVID timeframe of 3 January to 6 February 2020.

Easing EU countries continue to show improvement in mobility vs their restricted counterparts with Germany and Norway hovering around their pre-restriction levels. The gap between US easing vs non-easing states is slowly widening as well, with Georgia close to pre-restriction levels.



Source: Google Mobility Report, as of 13/05/2020. The baseline is the median value, for the corresponding day of the week, during the 5-week pre COVID timeframe of 03/01/2020-06/02/2020. "Non-Residential" represents any time away from home.

11/04

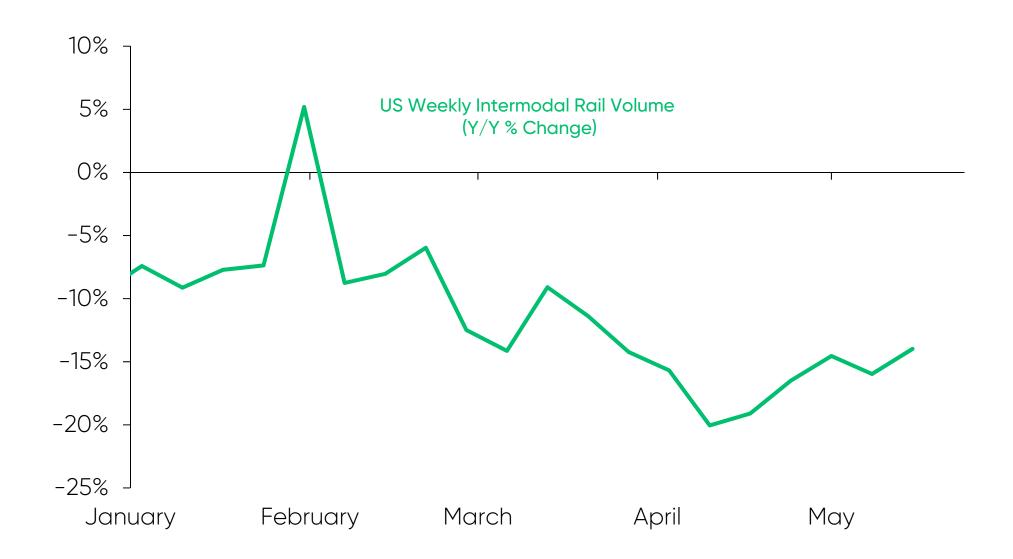
25/04

09/05

28/03

US INTERMODAL RAIL VOLUME

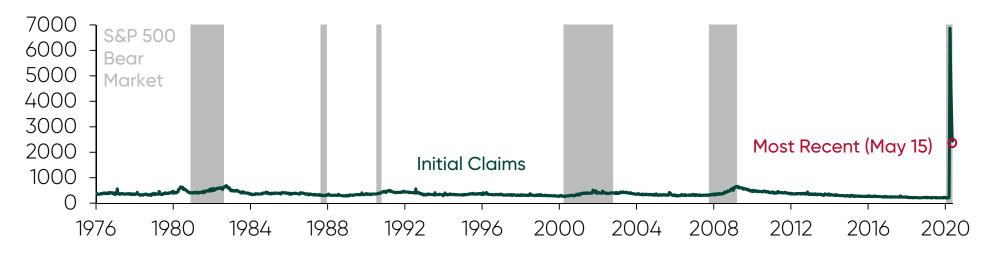
While intermodal rail volume is a very volatile metric, it seems to be improving since its bottom in April.



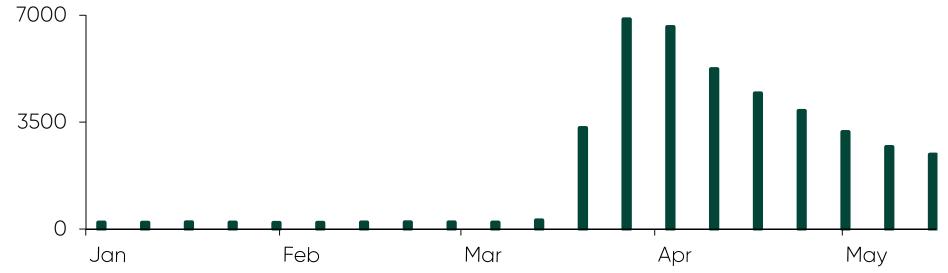
US INITIAL JOBLESS CLAIMS

While initial jobless claims in the US have surged compared to prior recessions, claims have declined steadily since peaking on March 27.

US Initial Unemployment Claims (thousands, SA) – since 1976



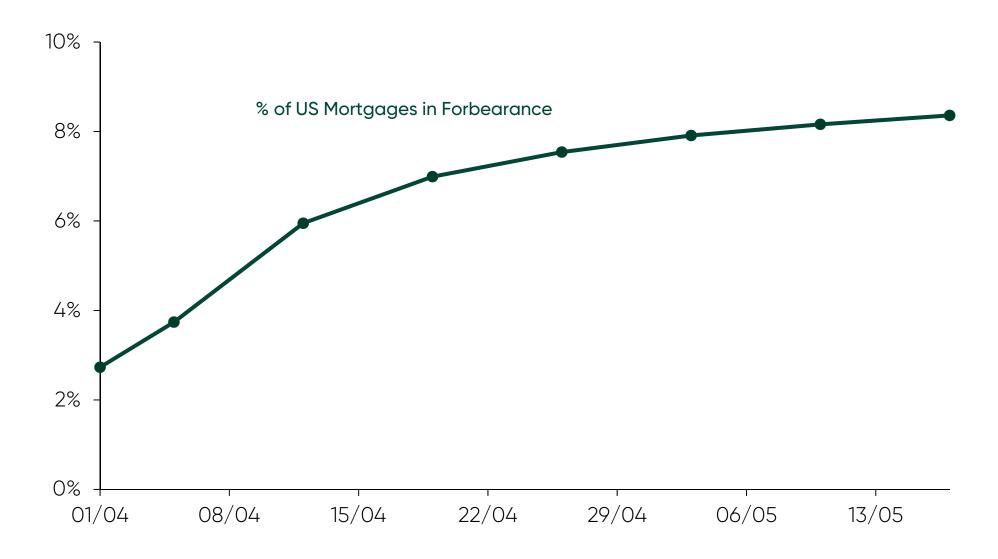
US Initial Unemployment Claims (thousands, SA) - 2020 Year-to-date



Source: FactSet. Data as of 15/05/2020.

US MORTGAGES IN FORBEARANCE

The percent of US mortgages in forbearance has increased 3.1 times since the beginning of April but seems to be leveling off around 8%.



Source: US Mortgage Banker Association. Data as of 10/05/2020.

PRIMARY RESEARCH CATEGORIES

The environment resulting from COVID-19 is unprecedented in many ways. Not necessarily with the virus itself—unfortunately there are numerous examples of highly-contagious viruses exacting terrible human tolls. But the restrictions, swift economic impact, and speed of the market decline lack historical precedents. While historical analysis remains useful in this period, we have reorganised some of our research efforts into the categories below to assess development in this unique period.

Re	esearch Category	Key Data Examples					
Virus Progression	A detailed analysis on COVID-19's progression worldwide in order to identify how global markets likely respond.	New cases, active cases, % positive testsRegional hospital capacity					
Institutional Responses	We have been actively tracking governmental shutdowns and responses globally to help us better understand how markets will respond as economies start to reopen as well as scale the economic cost of these restrictions.	 Changes to virus containment policies Fiscal and monetary policy measures 					
Equity Market Internals	The relative performance of different types of equities may provide signals about shifting investor sentiment	COVID-19 winners vs. losersBear market trough indicators					
Non-Equity Capital Markets	Changes in these factors indicate not only if stress on the financial system is abating, but also the current risk level perceived by market participants	HY & IG spreads, commercial paper, LIBOR-OIS, CDs					
Higher Frequency Economic Data	Daily available economic data can provide insight on how the economy is progressing towards "normalisation" and how COVID-19 concerns continue to weigh on the economy once restrictions are lifted.	Traffic, consumer spending, restaurant reservation hotel occupancy, air travel					
Sentiment	Analysing sentiment and changes in market expectations helps us evaluate how investors, consumers and corporations are pricing in news and developments related to COVID-19.	 Timing of corporate and economic forecasts Consensus economic, EPS, market expectations 					

Source: Fisher investments research as of 31/05/2020.

SENTIMENT

- Analysing changes in GDP forecasts over time helps gauge how forecasters view the impact of COVID-19 on the global economy.
- Guidance and buyback suspensions serves as an indicator for corporate sentiment and how publicly listed firms are processing new developments and news.
- Similarly, tracking changes in earnings and labour market expectations can serve as a real time indicator of economic sentiment and how it has changed over time.

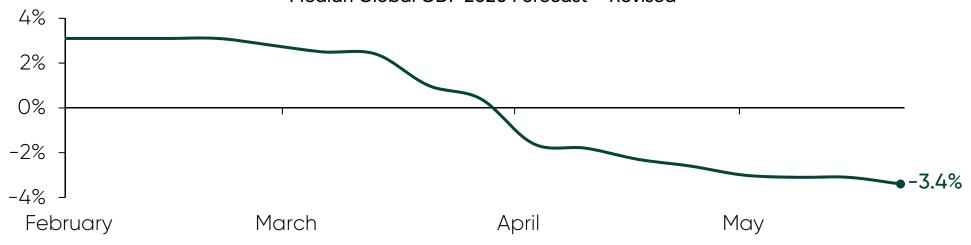
CHANGES IN GLOBAL GDP FORECASTS

While GDP forecasts were still positive until late March, estimates continue to trend down in recent weeks, with the median forecasts currently anticipating a -3.4% drop in global GDP in 2020.

Global GDP 2020 Forecast – Revised Weekly

Firms	31/1	07/2	14/2	21/2	28/2	06/3	13/3	20/3	27/3	03/4	10/4	17/4	24/4	01/5	08/5	15/5	22/5
Credit Suisse	2.6%	2.7%	2.7%	2.7%	2.2%	2.2%	2.2%	1.0%	1.0%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%
Goldman Sachs	3.4%	3.4%	3.4%	3.4%	3.1%	2.0%	2.0%	1.3%	-1.2%	-1.8%	-1.8%	-2.5%	-2.7%	-2.7%	-3.1%	-3.5%	-4.1%
JP Morgan	2.4%	2.4%	2.3%	2.3%	2.2%	2.1%	1.5%	-1.1%	-2.4%	-2.8%	-3.6%	-5.0%	-4.8%	-4.5%	-4.6%	-4.6%	-4.7%
Citigroup	2.7%	2.7%	2.7%	2.7%	2.5%	2.5%	2.5%	1.3%	1.3%	-1.6%	-1.6%	-2.3%	-3.1%	-3.1%	-3.1%	-3.1%	-3.6%
Bank of America	3.1%	3.1%	3.1%	3.1%	2.8%	2.8%	2.2%	0.3%	0.3%	-2.7%	-2.7%	-2.8%	-2.9%	-3.0%	-3.1%	-3.1%	-4.2%
Barclays	3.3%	3.2%	3.2%	3.1%	3.0%	2.7%	1.8%	0.4%	0.4%	-0.3%	-1.6%	-2.3%	-2.6%	-3.3%	-3.5%	-3.5%	-3.6%
Deutsche Bank	3.3%	3.3%	3.3%	3.3%	3.1%	3.1%	3.1%	2.4%	2.4%	-1.7%	-1.8%	-2.3%	-2.3%	-2.3%	-2.3%	-2.3%	-2.3%
UBS	3.1%	3.1%	3.1%	3.1%	2.8%	2.8%	2.8%	1.0%	-0.6%	-1.5%	-1.6%	-1.7%	-1.7%	-3.0%	-3.1%	-3.1%	-3.3%
Morgan Stanley	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	0.9%	0.3%	-1.9%	-2.0%	-2.0%	-2.2%	-3.1%	-3.2%	-3.2%	-3.4%
IMF	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	-3.0%	-3.0%	-3.0%	-3.0%	-3.0%	-3.0%	-3.0%
OECD	2.9%	2.9%	2.9%	2.9%	2.4%	2.4%	2.4%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
I.H.S	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	0.9%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Wells Fargo	3.0%	3.0%	2.9%	2.9%	2.9%	1.9%	1.2%	1.0%	-2.6%	-2.6%	-2.7%	-2.7%	-2.7%	-2.9%	-2.9%	-2.9%	-3.8%
Max	3.4%	3.4%	3.4%	3.4%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Average	3.0%	3.0%	3.0%	3.0%	2.8%	2.6%	2.4%	1.1%	0.3%	-1.0%	-1.7%	-2.0%	-2.1%	-2.3%	-2.4%	-2.4%	-2.7%
Median	3.1%	3.1%	3.1%	3.1%	2.8%	2.5%	2.4%	1.0%	0.4%	-1.6%	-1.8%	-2.3%	-2.6%	-3.0%	-3.1%	-3.1%	-3.4%

Median Global GDP 2020 Forecast - Revised

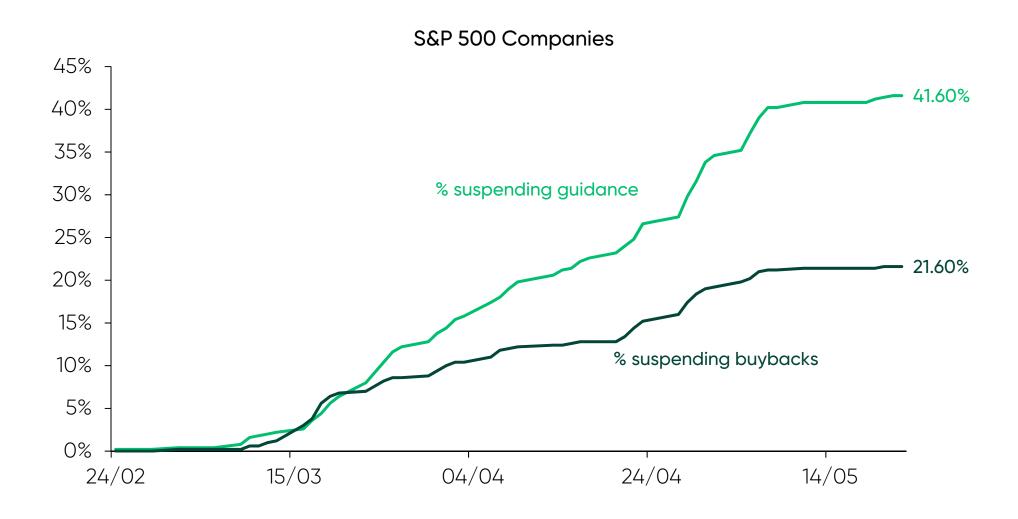


Sources: Credit Suisse, Goldman Sachs, JP Morgan, Citigroup, Bank of America, Barclays, Deutsche Bank, UBS, Morgan Stanley, IMF, OECD, I.H.S and Wells Fargo. Data as of 22/05/2020.

50

GUIDANCE AND BUYBACK SUSPENSIONS

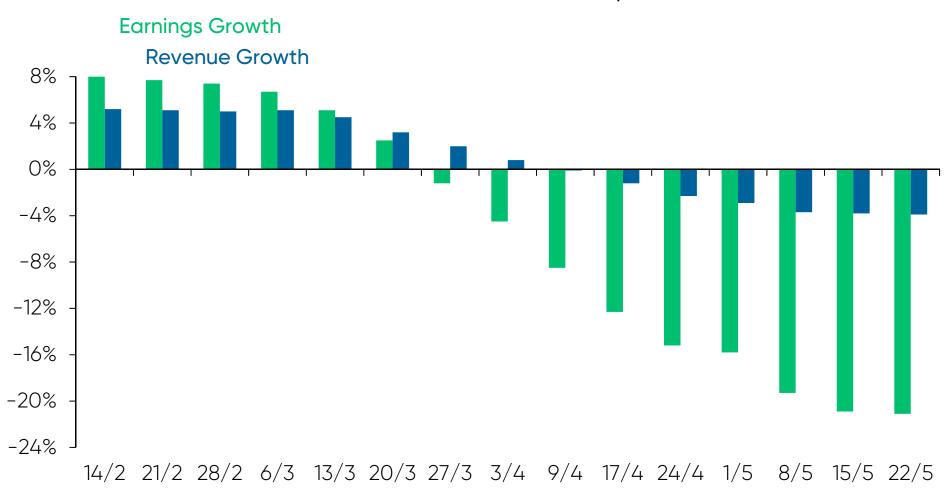
42% of S&P 500 companies have withdrawn guidance and 22% suspended buybacks. With the end of earnings season, the number of S&P 500 companies suspending guidance, buybacks and dividends decreased significantly. The key item to track going forward is the number of companies reinstating guidance and buybacks.



EARNINGS EXPECTATIONS CHANGES

Calendar year 2020 earnings and revenue expectations continue to be revised to the downside in most sectors. However, the rate of change is slowing down significantly and earnings as well as revenue estimates for some sectors are flat or higher versus the prior week.

S&P 500 Calendar Year 2020 Expectations



LABOUR MARKET SENTIMENT

The majority of April estimate revisions called for higher absolute figures in 2020 unemployment numbers, but the weekly increases in May estimates have been leveling off, and even improving, in most countries.

Weekly Change in 2020 Unemployment Estimates (%)												
Country	6/3/2020	13/3/2020	20/3/2020	27/3/2020	3/4/2020	9/4/2020	17/4/2020	24/4/2020	1/5/2020	8/5/2020	15/5/2020	22/5/2020
United States	0.00%	-0.02%	0.81%		0.98%	0.38%	0.77%	0.42%	-0.05%	0.01%	0.33%	0.09%
United Kingdom	-0.01%	0.02%	0.01%	0.26%	0.27%	0.00%	0.19%	0.09%	0.82%	0.24%	0.00%	0.06%
Canada	0.01%	0.06%	0.40%	0.85%	0.00%	0.66%	0.90%	0.04%	0.10%	0.06%	0.00%	0.00%
Germany	0.01%	-0.01%	0.04%	0.00%	0.02%	0.06%	0.01%	0.00%	0.05%	-0.01%	0.12%	0.03%
Italy	0.01%	0.11%	0.22%	0.10%	-0.09%	0.00%	0.00%	0.00%	0.48%	0.21%	0.02%	0.00%
Japan	0.01%	0.03%	0.05%	0.05%	0.01%	0.07%	0.04%	0.07%	0.20%	0.09%	0.00%	0.03%
China	0.01%	0.08%	0.00%	0.00%	0.07%	0.00%	0.20%	0.00%	0.00%	0.26%	-0.21%	0.00%

Source: FactSet as of 22/05/2020.

DISCLOSURES

FIRM

Fisher Investments Europe Limited (FIE) is authorised and regulated by the Financial Conduct Authority. It is registered in England, Company Number 3850593. FIE is wholly-owned by Fisher Asset Management, LLC, trading as Fisher Investments (FI), which is wholly-owned by Fisher Investments, Inc.

Fisher Investments (FI) is an investment adviser registered with the securities and Exchange Commission. As of 31 March 2020, FI managed over \$98 billion, including assets sub-managed for its wholly-owned subsidiaries. FI and its subsidiaries maintain four principal business units – Fisher Investments Institutional Group (FIIG), Fisher Investments Private Client Group (FIPCG), Fisher Investments International (FII), and Fisher Investments 401(k) Solutions Group (401(k) Solutions). These groups serve a global client base of diverse investors including corporations, public and multi-employer pension funds, foundations and endowments, insurance companies, healthcare organisations, governments and high-net-worth individuals. FI's Investment Policy Committee (IPC) is responsible for investment decisions for all investment strategies.

For purposes of defining "years with Fisher Investments," FI was established as a sole proprietorship in 1979, incorporated in 1986, registered with the US SEC in 1987, replacing the prior registration of the sole proprietorship, and succeeded its investment adviser registration to a limited liability company in 2005. "Years with Fisher Investments" is calculated using the date on which FI was established as a sole proprietorship through 31 December 2019.

Fl is wholly owned by Fisher Investments, Inc. Since Inception, Fisher Investments, Inc. has been 100% Fisher-family and employee owned, currently Fisher Investments Inc. beneficially owns 100% of Fisher investments (FI), as listed in Schedule A to Fl's form ADV Part 1. Ken and Sherrilyn Fisher, as co-trustees of their family trust, beneficially own more than 75% of Fisher Investments, Inc. as noted in Schedule B to Fl's Form ADV Part 1.

FIE delegates portfolio management to FI. FI's Investment Policy Committee is responsible for all strategic investment decisions. FIE's Investment Oversight Committee (IOC) is responsible for overseeing FI's management of portfolios that have been delegated to FI. Matters arising pursuant to FI's portfolio management policies are elevated to the IOC.

The foregoing information has been approved by Fisher Investments Europe.

The foregoing information constitutes the general views of Fisher Investments and should not be regarded as personalised investment advice or a reflection of the performance of Fisher Investments or its clients. Investing in financial markets involves the risk of loss and there is no guarantee that all or any capital invested will be repaid. Past performance is never a guarantee nor reliable indicator of future results. Other methods may produce different results for individual portfolios or different periods may vary depending on market conditions and the composition of a portfolio or index. The value of investments and the income from them will fluctuate with world financial markets and international currency exchange rates. If you have asked us to comment on a particular security then the information should not be considered a recommendation to purchase or sell the security for you or anyone else. We provide our general comments to you based on information we believe to be reliable. There can be no assurances that we will continue to hold this view; and we may change our views at any time based on new information, analysis or reconsideration. Some of the information we have produced for you may have been obtained from a third party source that is not affiliated with Fisher Investments. Fisher Investments requests that this information be used for your confidential and personal use.

TERMS OF BUSINESS

Fisher Investments Europe Limited (FIE) is authorised and regulated by the Financial Conduct Authority, Registered in England, Company No. 3850593.

1. Fisher Investments Europe

Fisher Investments Europe Limited is registered in England (Company No. 3850593) and authorised and regulated by the UK Financial Conduct Authority ("FCA") (FCA No. 191609). Fisher Investments Europe's permitted business is agreeing to carry on a regulated activity, managing investments, advising on investments, making arrangements with a view to transactions in investments, arranging deals in investments, dealing in investments as agent, advising on pension transfers and pension opt-outs, and insurance mediation. You can check this on the FCA's register by visiting the FCA's website www.fca.gov.uk/register/home.do or by contacting the FCA on +44 0845 606 1234. The FCA's address is 25 The North Colonnade, Canary Wharf, London E14 5HS.

2. Communications

Fisher Investments Europe can be contacted by mail at 6-10 Whitfield Street, London W1T 2RE; by telephone on +44 0800 144 4731; or by email to FIEOperations@fisherinvestments.co.uk. All communications with Fisher Investments Europe will be in English only. Fisher Investments Europe's web address is https://institutional.fisherinvestments.com/en-gb.

3. Services

These Terms of Business explain the services offered to professional clients and will apply from when Fisher Investments Europe begins to advise you. Fisher Investments Europe offers restricted advice only (meaning it does *not* offer independent advice based on an analysis of the whole of the market), as more fully explained in <u>Clause 4</u> below. As part of its services, Fisher Investments Europe seeks to:

- a) Reasonably determine your client categorisation;
- b) Understand your financial circumstances and investment aims to determine whether the full discretionary investment service described in <u>Clause 4</u> and the proposed investment mandate and accompanying benchmark(s) (or an Undertaking for Collective Investment in Transferable Securities ("**UCITS**") with a similar mandate and benchmark for which Fisher Investments Europe's parent company serves as investment manager) are suitable for you;
- c) Explain features of the investment strategy;
- d) Describe investment performance as it relates to the investment strategy;
- e) Provide a full explanation of costs;
- f) Assist in the completion of documentation;
- g) Where specifically agreed, review your position periodically and suggest adjustments where appropriate.

 Fisher Investments Europe will not provide ongoing services unless you enter into an agreement for discretionary investment management services or invest in a UCITS as described in Clause 4.

4. Discretionary Investment Management Service and Investments

To help you achieve your financial goals, Fisher Investments Europe may offer its discretionary investment management services. In such case, Fisher Investments Europe will delegate the portfolio management function, as well as certain ancillary services, to its parent company, Fisher Asset Management, LLC, trading as Fisher Investments, which has its headquarters in the USA and is regulated by the US Securities and Exchange Commission. In certain limited circumstances where appropriate, Fisher Investments Europe may recommend that you establish a discretionary investment management relationship directly with Fisher Investments. In such case, Fisher Investments Europe acts as an introducing firm. A separate investment management agreement will govern any discretionary investment management relationship whether with Fisher Investments Europe or with Fisher Investments. Subject to applicable regulations, for qualified investors Fisher Investments Europe may recommend an investment in UCITS regulated by the Central Bank of Ireland and for which Fisher Investments serves as investment manager.

5. Client Categorisation

Fisher Investments Europe deals with both retail clients and professional clients. All clients and potential clients who deal with Fisher Investments Europe's institutional relationship managers ("RMs") will be treated as professional clients, either through qualification as a professional client or, in the case of local municipal authorities, through opting up to be treated as a professional client. Accordingly, you are categorised as a professional client. You have the right to request re-categorisation as a retail client which offers a higher degree of regulatory protection, but Fisher Investments Europe does not normally agree to requests of this kind.

6. Financial Services Compensation Scheme ("FSCS")

Whilst the activities of Fisher Investments Europe are covered by the FSCS, compensation under the FSCS in the event Fisher Investments is unable to meet its liabilities because of its financial circumstances is only available to eligible claimants. Because you have been categorised as a professional client, you are unlikely to be eligible. In addition, the protections of the UK regulatory regime, including the FSCS, do not apply in relation to the services of Fisher Investments or any non-UK service providers or to the extent your assets are invested in non-UK funds or ETFs. In the event you are eligible and do have a valid claim, the FSCS may be able to compensate you for the full amount of your claim up to £50,000 per person per firm. You can contact Fisher Investments Europe or the FSCS (www.fscs.org.uk) in order to obtain more information regarding the conditions governing compensation and the formalities which must be completed to obtain compensation.

TERMS OF BUSINESS

Fisher Investments Europe Limited (FIE) is authorised and regulated by the Financial Conduct Authority. Registered in England, Company No. 3850593.

7. Risks

Investments in securities present numerous risks, including various market, currency, currency fluctuation, economic, political, instability, business, differences in financial reporting, liquidity risk, interest rate risk, credit risk, and other risks, and can be very volatile. Investing in securities can result in a loss, including a loss of principal. Using leverage to purchase and maintain larger security positions will increase exposure to market volatility and risk of loss and is not recommended. Investments in securities are only suitable for clients who are capable of undertaking and bearing a risk of loss. Specific risks associated with particular types of securities that may be held in your account are explained further in the IMA.

Past performance is not a guarantee nor a reliable indicator of future investment returns. Fisher Investments Europe cannot guarantee and makes no representation or warranty as to future investment returns or performance. There is no guarantee for avoidance of loss, which is impossible with investments in securities, and you have not received any such guarantee or similar warranty from Fisher Investments Europe or any representatives thereof.

8. Data Protection

To advise you on financial matters, Fisher Investments Europe may collect personal and sensitive information subject to applicable data protection laws. By providing such information to Fisher Investments Europe, you consent to Fisher Investments Europe processing your data, both manually and electronically, including transferring data outside the European Economic Area, including to its parent, Fisher Investments, in the United States, for the purposes of providing services and enabling Fisher Investments to provide services, maintaining records, analysing your financial situation, providing information to regulatory bodies and service providers assisting Fisher Investments Europe and/or Fisher Investments in providing services, or otherwise permitted by law. Upon request, you are entitled to obtain access to and to rectify the data relating to you.

9. Custody and Execution

Neither Fisher Investments Europe nor Fisher Investments is authorised to hold client money. Neither Fisher Investments Europe nor Fisher Investments will accept cheques made out to it in respect of investments, nor will they handle cash. All client assets are held at external custodians where each client has a direct account in their own name. If you appoint Fisher Investments Europe as your discretionary asset manager, execution of transactions will be arranged through such custodians and brokers and at such prices and commissions that Fisher Investments determines in good faith to be in your best interests. Further information regarding selection of brokers is set out in the investment management agreement with Fisher Investments Europe (the "IMA").

If you appoint Fisher Investments Europe as your discretionary asset manager, Fisher Investments Europe or Fisher Investments, pursuant to an outsourcing agreement with Fisher Investments Europe, will arrange for the execution of transactions through those custodians and brokers and at such prices and commissions that it determines in good faith will be in your best interests. Further information regarding the selection of brokers is governed by the IMA. Fisher Investments Europe does not structure or charge its fees in such a way as to discriminate unfairly between execution venues.

The brokers and dealers to which your transactions may be allocated will use various execution venues, including without limitation:

- a) Regulated Markets in the USA or elsewhere (usually those exchanges where companies have their primary listing and other exchanges on which their securities are admitted to tradina);
- b) Multi-Lateral Trading Facilities ("MTF") and Organised Trading Facilities ("OTF") in the USA or elsewhere (i.e. a multilateral system, operated by an investment firm or a market operator, which brings together multiple third-party buying and selling interests in financial instruments—in the system and in accordance with non-discretionary rules—in a way that results in a contract);
- c) Systematic Internalisers (which are investment firms dealing as principal and providing liquidity on a systematic basis):
- d) Other liquidity providers that have similar functions to any of the above;
- e) Counterparties that may access the above venues on behalf of Fisher Investments Europe or Fisher Investments (or their clients) or trade on their own account.

You must be notified and approve of any off-venue trades prior to execution unless previously agreed to by you directly with the custodian. As a result of brokers/dealers using the execution venues mentioned above, your transactions may be executed on an execution venue that is neither a regulated market in the European Union nor an MTF in the European Union and therefore you will be required to expressly consent to the execution policy of Fisher Investments Europe by signing the IMA.

Fisher Investments Europe's top five trading venues are listed on its website.

Generally, financial instruments will not be affected if a custodian suspends payments or goes bankrupt. This is due to the fact that you will normally be able to take possession of your financial instruments based on the custodian's registration of your rights. Generally, it is only if the custodian fails to handle your financial instruments or register your rights correctly where you may not be able to take possession of the financial instruments.

If you appoint Fisher Investments Europe as your discretionary asset manager, you will receive a periodic statement every calendar quarter. This statement compares the performance of your account with that of a relevant benchmark in order to facilitate the assessment of performance achieved by the account. For performance, management fee calculation and reporting purposes, exchange traded equity securities are valued based upon the price on the exchange or market on which they trade as of the close of business of such exchange or market. All equity securities that are not traded on a listed exchange are valued using a modelled estimate of the bid price, also known as a bid evaluation, provided by Fisher Investments Europe's primary pricing service. Fixed income securities are valued based on market quotations or a bid evaluation provided by Fisher Investments Europe's primary pricing service is provided; otherwise, all securities are valued on at least a monthly basis.

TERMS OF BUSINESS

Fisher Investments Europe Limited (FIE) is authorised and regulated by the Financial Conduct Authority. Registered in England, Company No. 3850593.

10. Conflicts of Interest

Fisher Investments Europe has a conflicts of interest policy to identify, manage and disclose conflicts of interest Fisher Investments Europe, Fisher Investments or any of their employees or representatives may have with a client of Fisher Investments Europe, or that may exist between two clients of Fisher Investments Europe. Fisher Investments Europe's conflicts of interest policy covers gifts and favours, outside employment, client privacy, inadvertent custody, marketing and sales activities, recommendations and advice, and discretionary investment management services. RMs employed by Fisher Investments Europe are paid a variable component of their total remuneration, calculated as a percentage by reference to management fees paid to the Investment Manager during the first three years of the client relationship. Such remuneration is will not increase or impact the fees payable by you. Details on Fisher Investments Europe's conflicts of interest policy are available on request. In addition, Fisher Investments Europe provides a copy of Fisher Investments' Form ADV Parts 2A and 2B to all clients, detailing additional conflicts of interest applicable to Fisher Investments.

11. Fees

If you appoint Fisher Investments Europe as your discretionary investment manager, you will pay management fees to Fisher Investments Europe as detailed in the IMA. Fisher Investments Europe will pay a portion of such management fees to Fisher Investments as the sub-manager. If you appoint Fisher Investments directly as your discretionary investment manager, you will pay management fees directly to Fisher Investments as detailed in the investment management agreement. If you invest in a UCITS fund managed by Fisher Investments, Fisher Investments will receive its management fee indirectly through the UCITS. Fisher Investments Europe does not charge a separate fee for its introducing or distribution services. You will also incur transaction and custody fees charged by brokers and custodians. However, any such additional fees will be payable directly to brokers/custodians, and neither Fisher Investments Europe nor Fisher Investments will share in any commission or other remuneration.

12. Termination

If you wish to cease using the services of Fisher Investments Europe at any time, then send notification and the arrangement will cease in accordance with the IMA. However, if a transaction is in the middle of being arranged on your behalf at that time and it is too late to unwind it, then the transaction may need to be completed first.

13. Complaints

Fisher Investments Europe seeks to provide a high standard of service to clients at all times. If you have a complaint about services, please contact Fisher Investments Europe:

by writing to: Head of Compliance

Fisher Investments Europe Limited 2nd Floor, 6-10 Whitfield Street

London W1T 2RE

or by calling: +44 0800 144 4731

or by emailing: FIEOperations@fisherinvestments.co.uk

Fisher Investments Europe will endeavour to resolve the matter, as soon as practicable and generally within 8 weeks. If you are dissatisfied with the outcome of any complaint made to Fisher Investments Europe, or you do not receive a response within such time, you may be eligible to complain directly to the UK Financial Ombudsman Service ("FOS"). Further details in respect of FOS can be found at www.financial-ombudsman.org.uk.

14. Governing Law

These Terms of Business are governed by English law.

FISHER INVESTMENTS EUROPE™