

### High-Frequency Dashboard: Tracking the Second Wave Impact (November 17, 2020)

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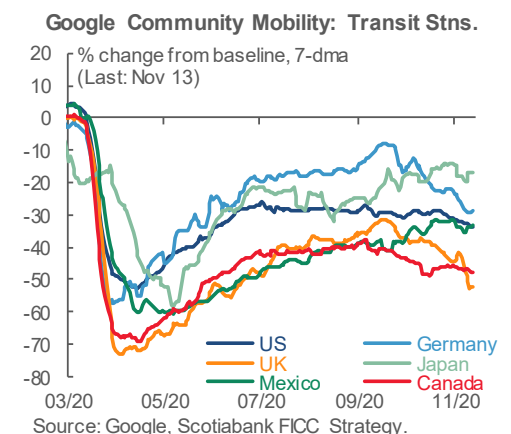
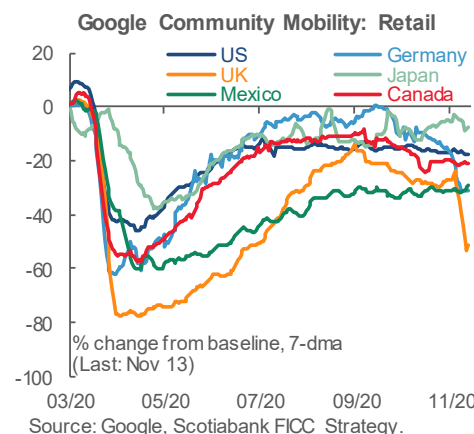
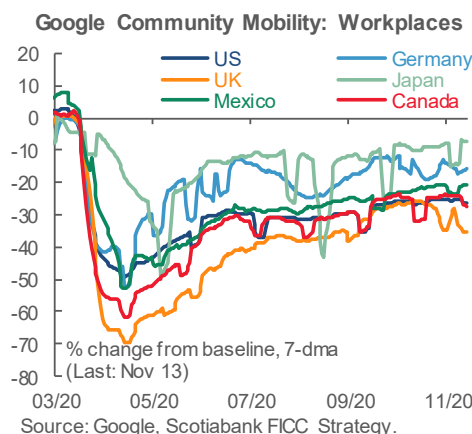
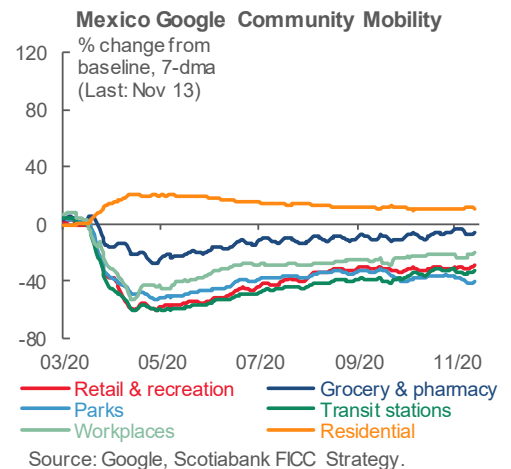
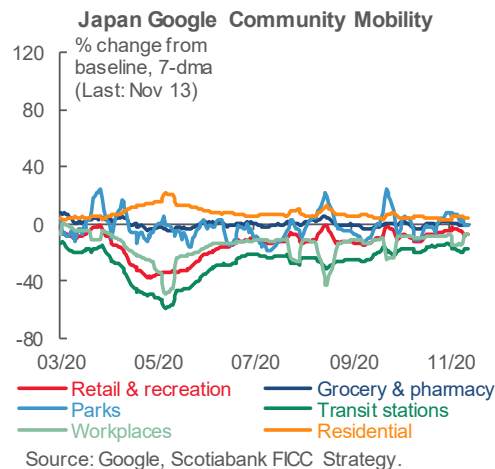
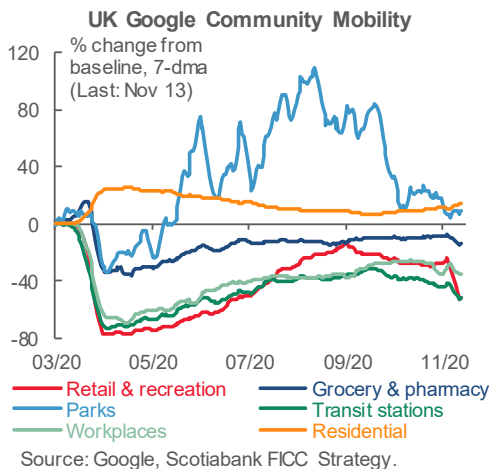
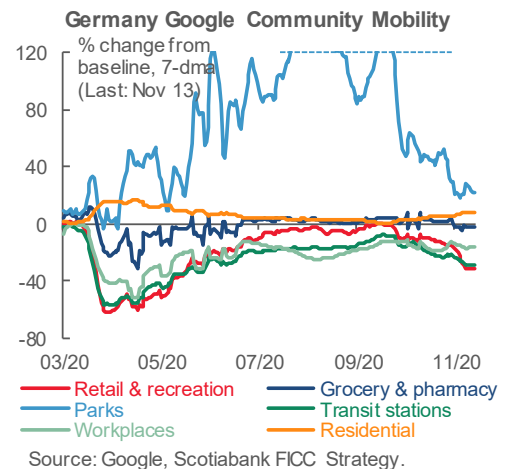
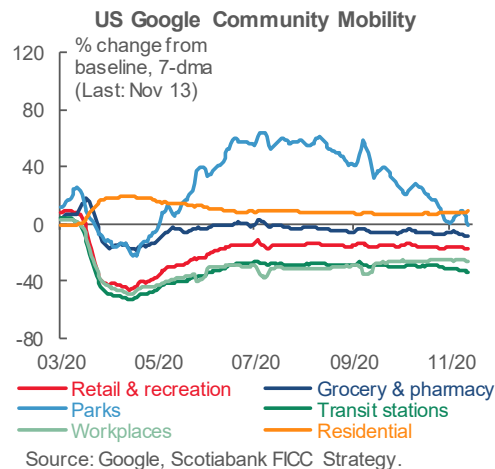
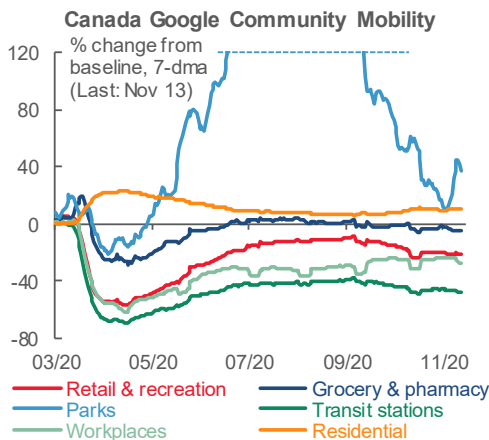
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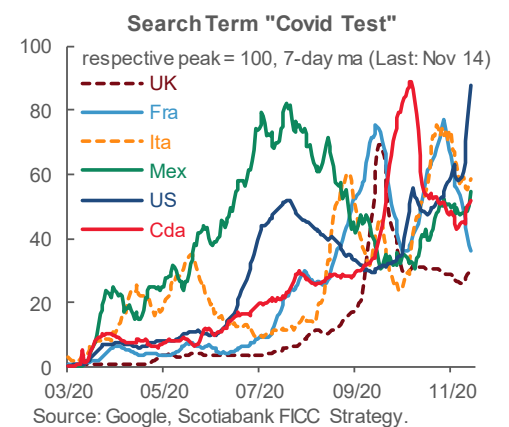
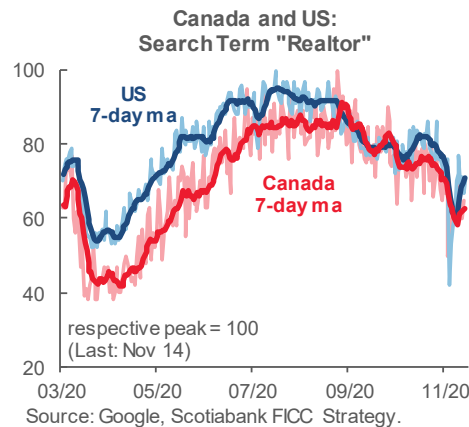
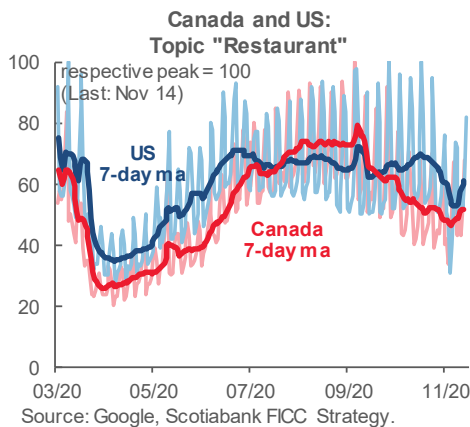
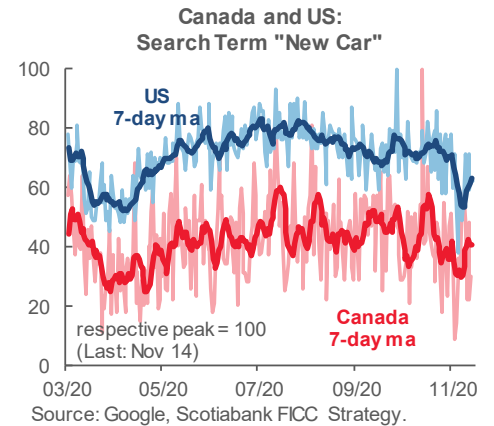
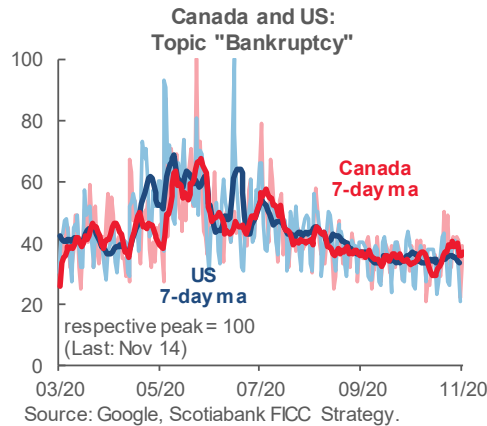
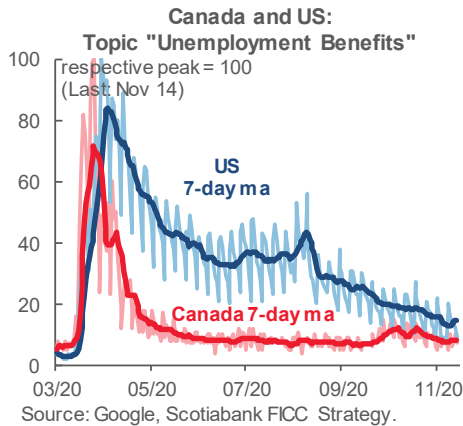
#### Google Community Mobility

- Daily Google data tracking movement trends point to a slowing of economic activity in most of the major economies that we track, with only Japan and Mexico showing a continued increase in mobility while new 'semi-lockdowns' and fear of contagion combined with cooler temperatures in other countries appear to limit activity. Mobility in the UK has sharply decelerated as the government imposed restrictions in certain virus hotspots before recently moving to semi lockdown measures in the whole of England. Some Canadian provinces and Germany have recently shut restaurants and bars amid climbing case counts. Restrictions in the US are still, overall, relatively lax compared to the pandemic's first peak in spring and mobility remains relatively unaffected—but virus curbs in places such as NYC should begin to be reflected in the national figure.



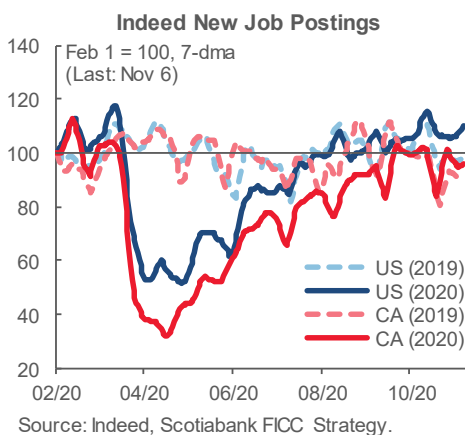
### Google Search Trends

- Google Trends data does not (yet?) show an important uptick in searches for unemployment benefits in Canada amid regional virus restrictions while those in the US also remain on a clear downward trend. Bankruptcy searches did tick higher in Canada, however, which may reflect business rather than personal bankruptcies as certain non-essential services are shut once again. Searches of "Covid test" in the US have reached a new high in line with the surge in contagions in the past couple of weeks while those in Canada, France, and Italy have declined.



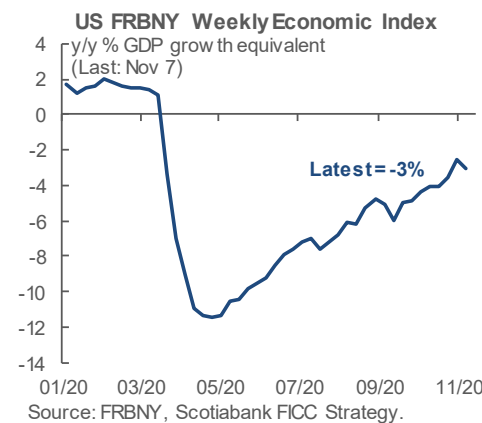
### Indeed New Job Postings

- Online daily job postings on Indeed are above relative to 2019 in the US and in Canada—but remain below their pre-pandemic level in the latter.



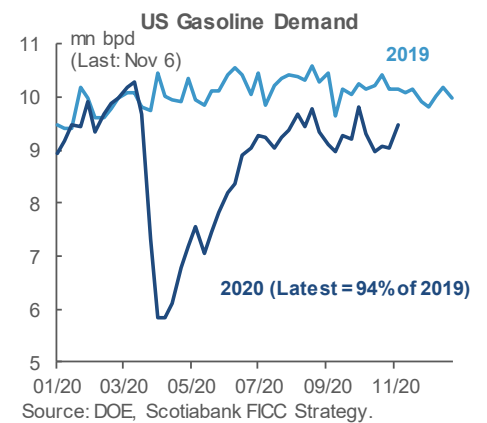
### New York Fed Economic Index

- The NY Fed's economic index which aggregates ten daily and weekly indices points to a year-on-year decline in GDP of around -3% in mid-Oct equivalent to a 3% q/q increase for Q4 following an official 33% expansion in Q3 after Q2's 31.4% q/q contraction.



### US Gasoline Demand

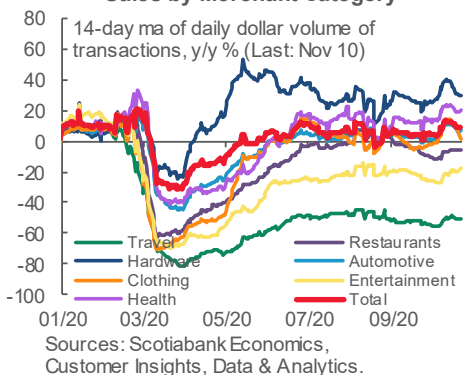
- Weekly US gasoline demand currently sits at around 5% below last year's levels which may be a temporary rebound on election week given that contagion concerns would've suggested a reduction in mobility.



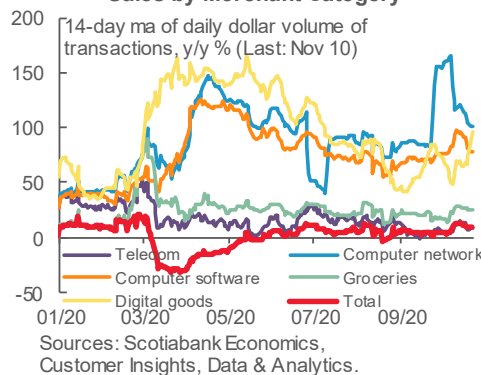
### Scotiabank Canadian Merchant Data

- Scotiabank debit and credit card payments data compiled by our Economics, Customer Insights, and Data & Analytics teams show that retail transactions across core merchant categories have rebounded solidly in Canada from their April depths when compared to the same period last year. Total credit and debit transactions now stand around 10% above their year-ago levels—after a jump owing to the timing of Thanksgiving weekend in 2020 versus 2019—after falling by close to 30% y/y in April.
- The recent increase in contagions—and related restrictions in some provinces—has led to a resumption of year-on-year declines in restaurant and entertainment transactions while total transactions are supported by increased hardware, health, and groceries spending. For more details see [here](#). For questions contact Nikita Perevalov ([nikita.perevalov@scotiabank.com](mailto:nikita.perevalov@scotiabank.com)).

**Scotiabank Canadian Transactions Data: Sales by Merchant Category**



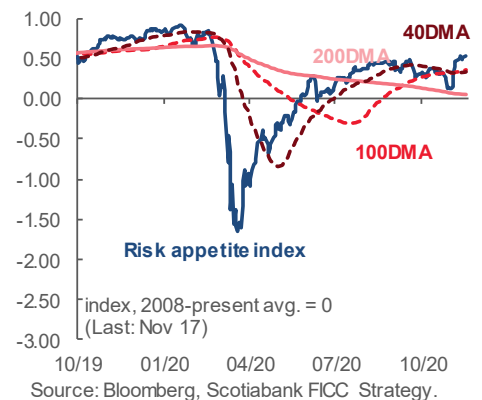
**Scotiabank Canadian Transactions Data: Sales by Merchant Category**



### Scotia FX Risk Appetite Index

- Our daily risk appetite index—a factor of financial risk variables such as CDS spreads and market volatility—is trading above its 40-day MA following the early-November US election.

**Scotiabank FX Strategy Risk Appetite Index**



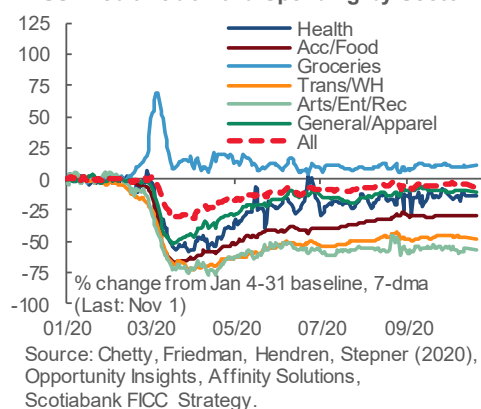
### Affinity Solutions US Card Spending Data

- Affinity Solutions debit and credit card payments data show that retail sales in the US remain slightly below their baseline in early-2020—and now fairly flat after a minor upward trajectory between July and September—with grocery purchases remaining elevated as individuals spend more time at home while spending on recreation and transportation remains quite depressed at ~60% lower than baseline, while accommodation and food spending is about 30% lower. Spending on general merch. & apparel has rebounded to only ~10% below baseline.

**US Credit/Debit Card Spending by ZIP Code Median Income Quartile**  
% change from Jan 4-31 baseline, 7-dma (Last: Nov 1)



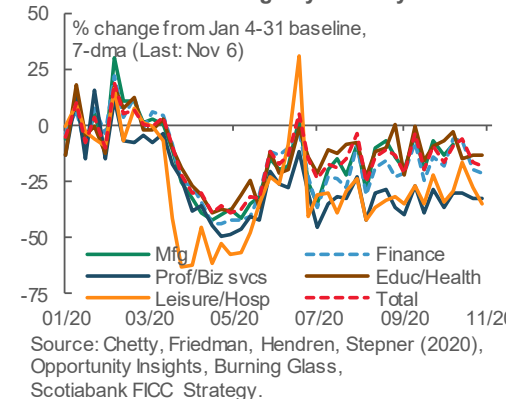
**US Credit/Debit Card Spending by Sector**

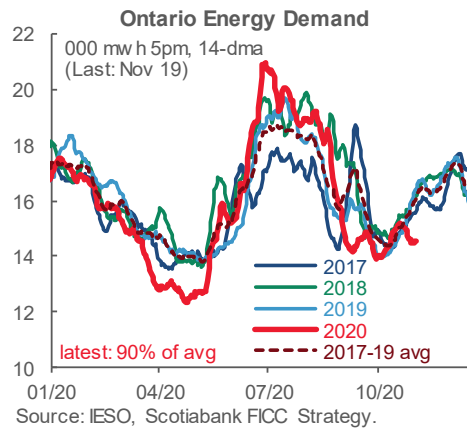


### Burning Glass US Jobs Postings

- Weekly Burning Glass data show that US job postings were down ~18% y/y last week compared to their pandemic trough of -39% in late-April.

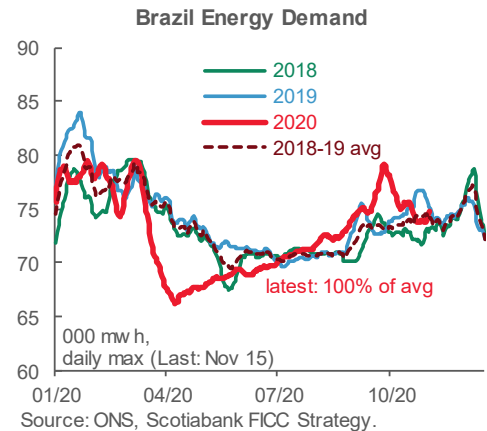
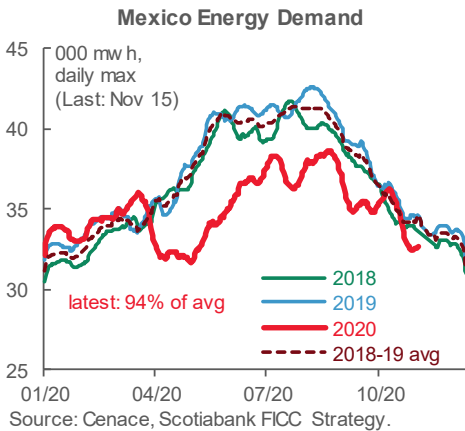
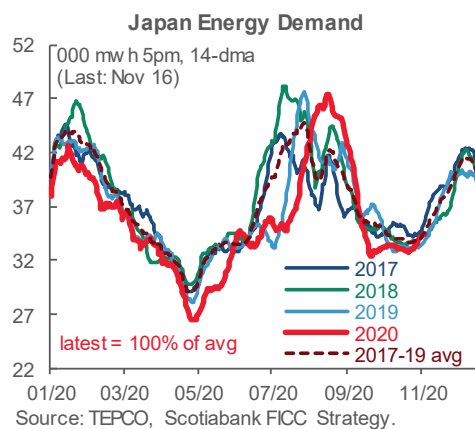
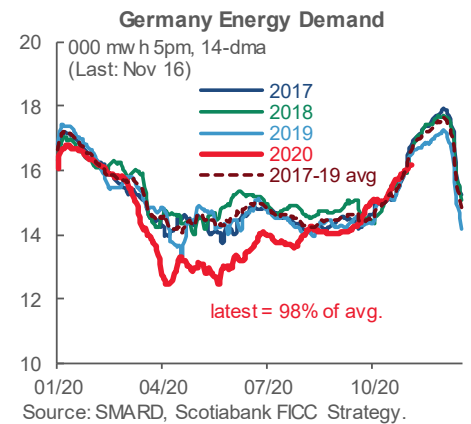
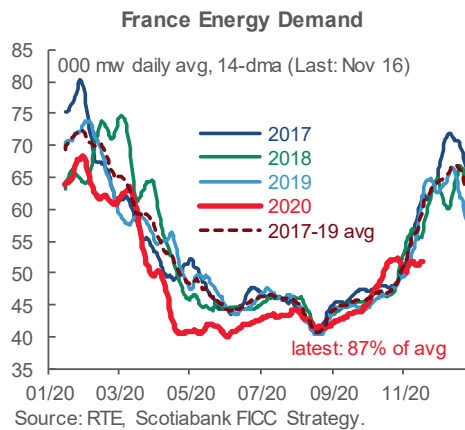
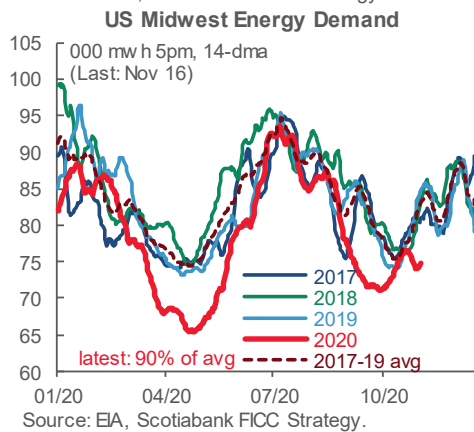
**US Job Postings by Industry**





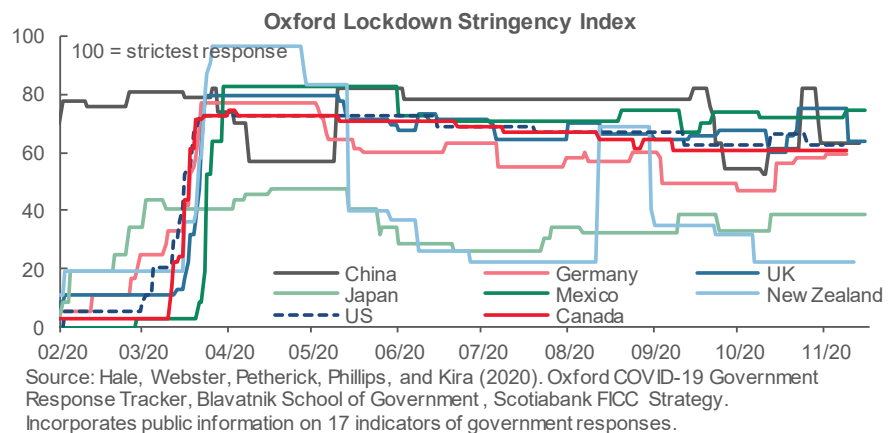
### Energy Demand

- Hourly energy demand data reflects a deceleration in economic activity in France where electricity consumption is less than 90% of last year's levels—comparable to the gap seen in the March to August period.
- It is still too early to tell whether the drop in Ontario and US energy demand is related to COVID-19 restrictions or if it is merely a consequence of abnormally warm weather. German energy demand is only slightly below last year's average but is worth monitoring for signs of a material slowdown.



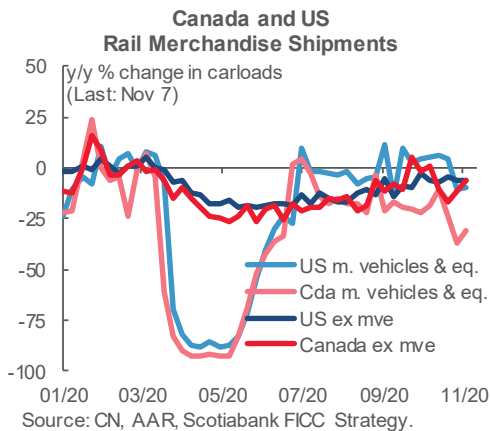
### Lockdown Stringency Index

- Oxford University's lockdown stringency index—a useful guideline to track containment measures around the globe—shows the impact of the imposition and removal of containment measures imposed in New Zealand amid a surge in cases in the Auckland area after the country reached 102 days without community transmission. The index now reflects the restrictions imposed in Germany.



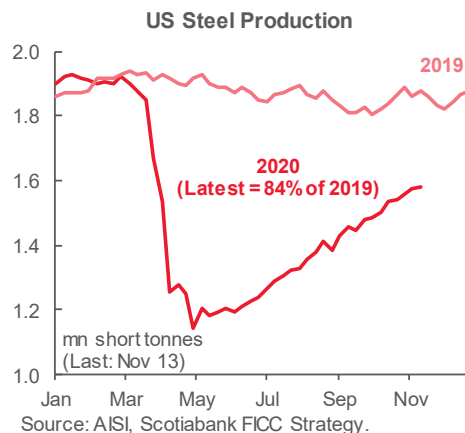
### Rail Shipments

- Weekly rail shipments data shows that shipments ex. motor vehicles and equipment in the US and Canada remain below year-ago levels while Canadian automotive shipments are posting a sharp year-on-year contraction.



### US Steel Production

- Weekly US steel production data suggests that activity in the manufacturing and construction sectors has not yet significantly improved for steel mills to notably ramp up production, which stands at about 84% of year-ago output compared to 60% in early May. The trend is nevertheless encouraging as 2020 levels continue to rise toward normal production.



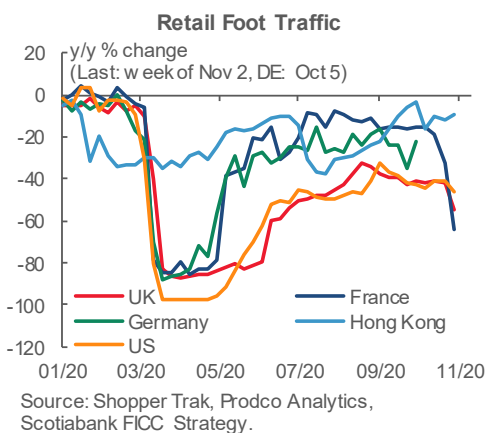
### Shanghai Steel Inventories

- Chinese industrial output appears to have recovered quickly as steel inventory levels in the country are depleted from record-highs as reflected by weekly Shanghai storage data for both traders and steel mills.



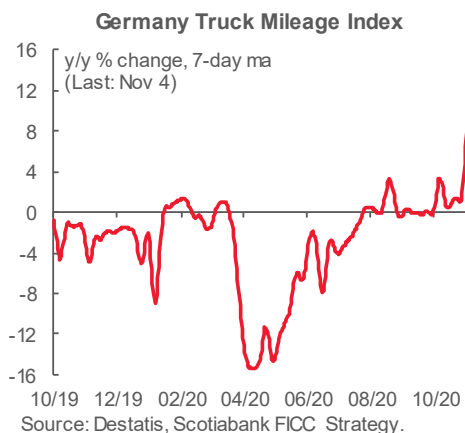
### Retail Traffic

- ShopperTrak and Prodco retail foot traffic data show that retail activity has sharply fallen in France following the government mandated closure of non-essential businesses with a similar decline also observed in the UK. Retail traffic in the US is also slowing, likely amid fears of contagion.



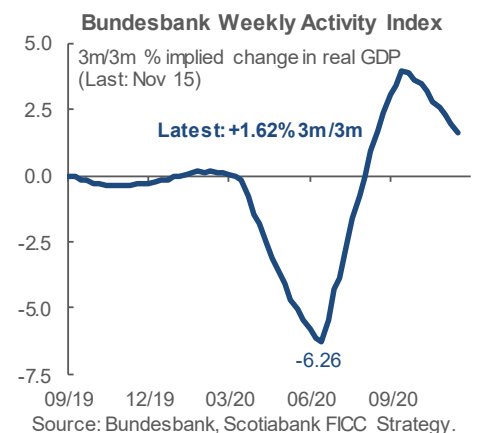
### Germany Truck Mileage Index

- Daily truck mileage data for Germany—a close indicator of industrial production—points to a sharp jump in shipments in early-November after flattening out for two months. It is not clear what drove the surge, particularly as some virus restrictions are re-imposed.



### Bundesbank Activity Index

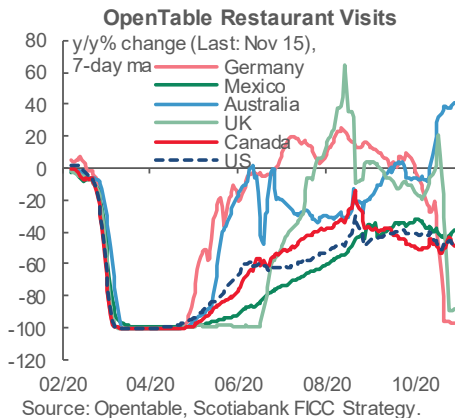
- The Bundesbank's high-frequency economic activity index estimates that the German economy is expanding by 1.6% on a 3m/3m basis, as of Nov 15, up from -6.3% roughly five months ago, reflecting the increase in activity in the country's industrial and services sectors. The most recent data, however, shows a plateauing of growth as the third quarter gets underway—now likely reflecting an impact from the recent semi-lockdown.





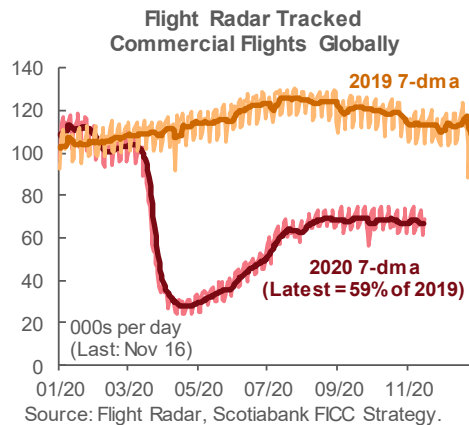
### OpenTable Restaurant Visits

- Daily OpenTable restaurant foot traffic data points to a sharp rebound in restaurant visits in Australia as Victoria comes out of lockdown while they plummet in Germany (and parts of the UK) as restaurants are ordered closed. Restaurant visits in Canada do not show a material impact from the closing of indoor dining in some provinces.



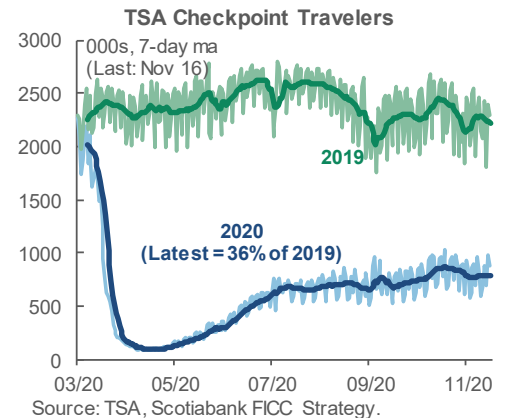
### Flight Radar Commercial Flights

- Daily flights data from Flight Radar points to an unsurprising massive decline in air travel (about 40% lower compared to last year) owing to travel bans and other strict restrictions on domestic and international travel. The second wave of the virus may see a decline in flights as borders close.



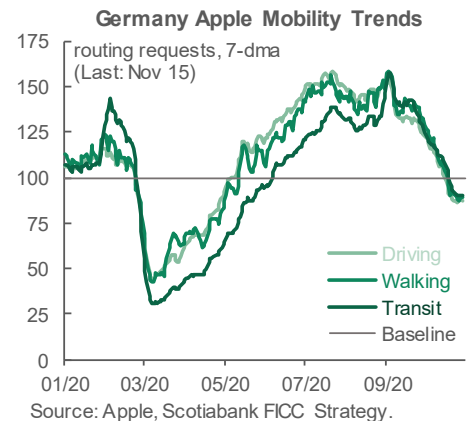
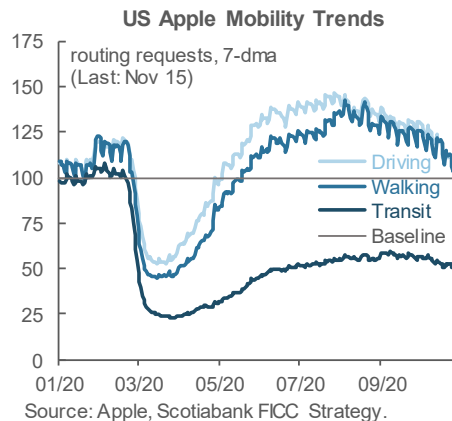
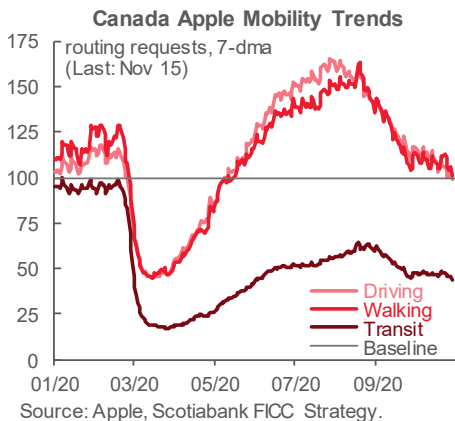
### TSA Checkpoint Throughput

- Daily US TSA shows that traffic through US airports remains heavily subdued at about a third when compared to 2019. The recent rise in cases in the country may explain the plateauing of US travel since early-June. As domestic and international restrictions are lifted we should see a more important pick-up in travel activity.



### Apple Mobility Trends

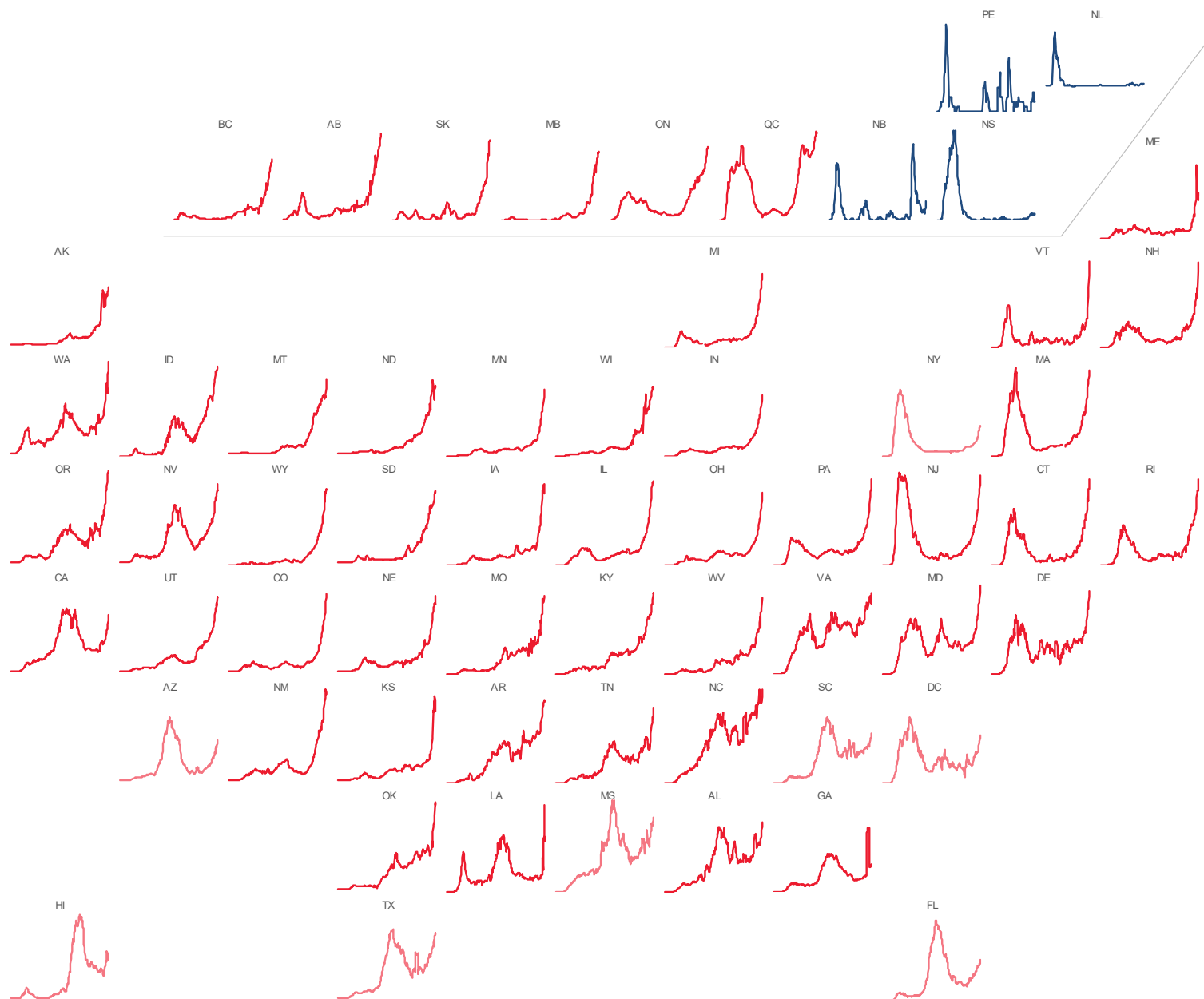
- Daily Apple data tracking Apple Maps routing requests shows that driving and walking mobility in Canada and the US still exceeds their respective baseline levels of mid-January but is quickly heading toward sub-baseline levels, where German mobility now stands, amid new restrictions and fear of contagion.





### New Confirmed COVID-19 Cases by US State and Canadian Province, 7-day ma (Last: Nov 16)

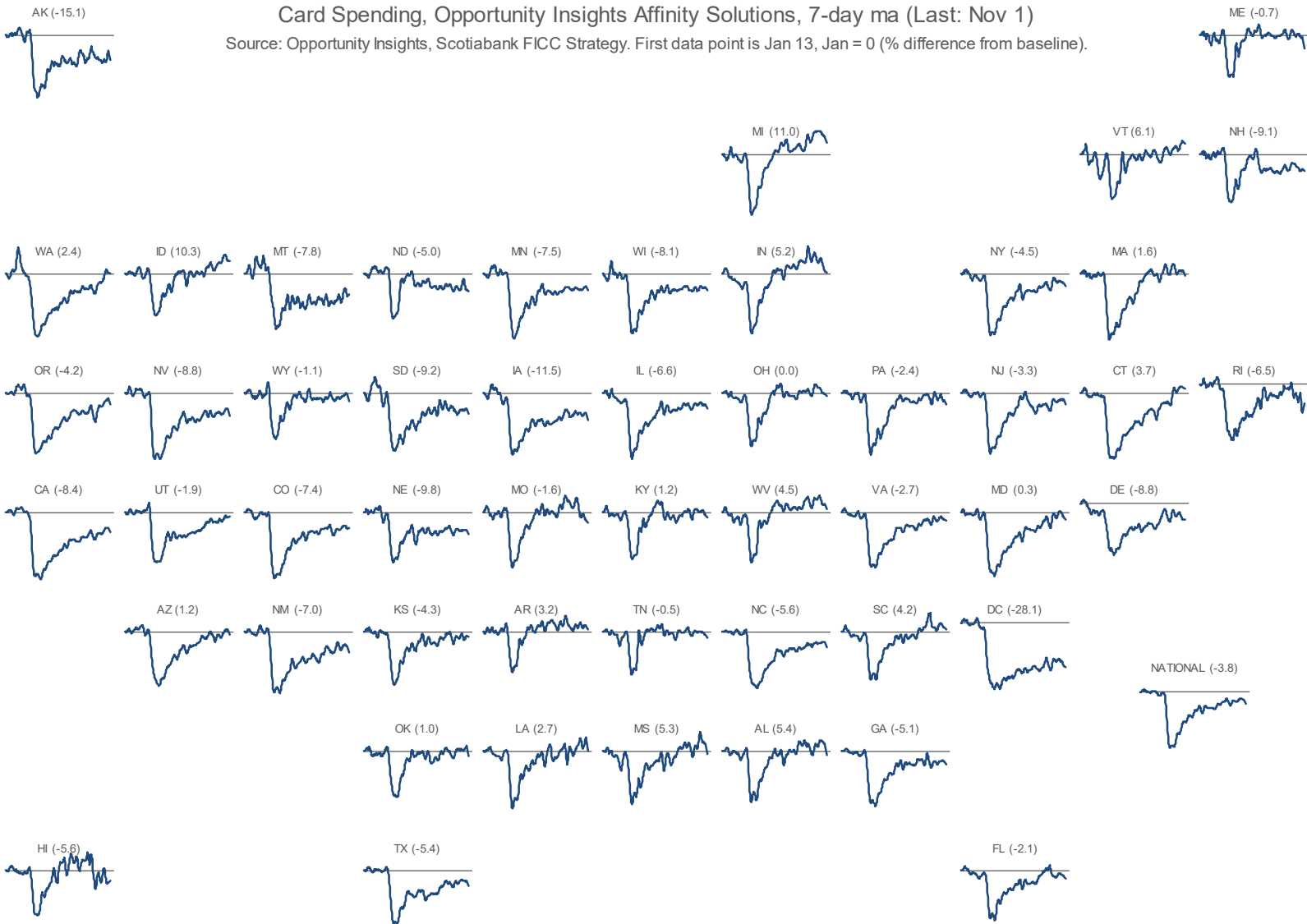
Source: Bloomberg, Scotiabank FICC Strategy. First data point is March 3.





### Card Spending, Opportunity Insights Affinity Solutions, 7-day ma (Last: Nov 1)

Source: Opportunity Insights, Scotiabank FICC Strategy. First data point is Jan 13, Jan = 0 (% difference from baseline).



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