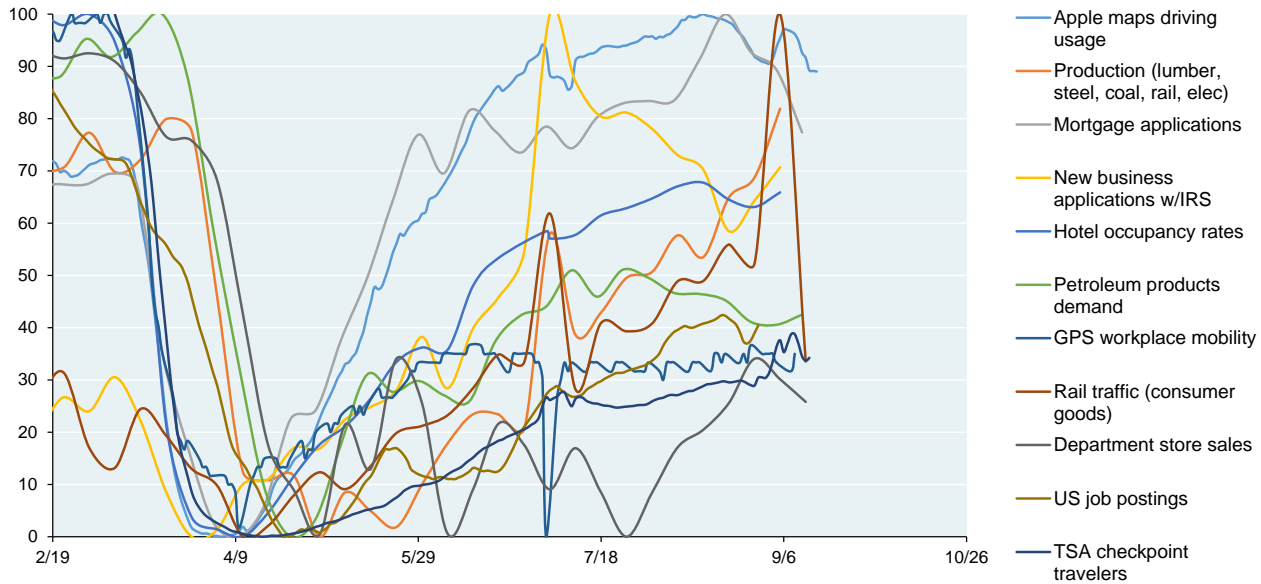




[1] The US reopens: reopening, mobility, production and spending

High frequency US data tracker

Index, with 0 = lowest observed value and 100 = highest observed value, Jan 1 2020 to present



Source: WWPA, EIA, AISI, EEI, AAR, Redbook, Census Bureau, TSA.gov, Apple, Smith Travel, MBA, Google, ThinkNum, JPMAM. September 17, 2020.

Contents

- High frequency recovery summary, national level (above)
- Credit and debit card spending: nationwide spending; social distancing spending by infection severity; close-up look at retail and oil spending; growth in e-commerce
- Mobility data: changes in movement by reopening status for transit, retail and stay-at-home
- Additional national data: US/NYC travel tracker, hotel occupancy rates, mortgage applications, manufacturing activity, shipping, demand for crude oil and floating storage, rail traffic for consumer goods, Weekly Economic Index

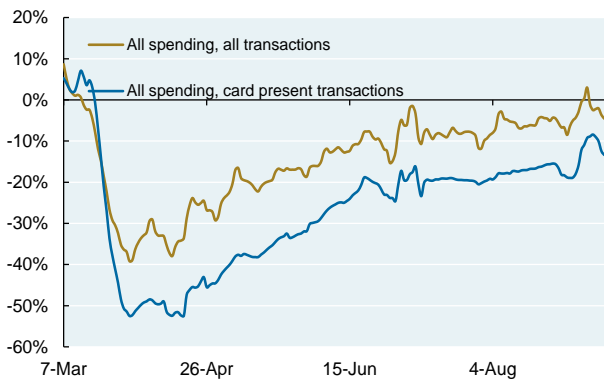


Credit and debit card spending trends

Here’s our new analysis on the US consumer based on select internal Chase transaction data¹. On a national level, consumer spending in our credit and debit card data set² is flat vs 2019 (first chart). However, this aggregation includes a lot of e-commerce. When narrowing the focus to consumer transactions that took place with “cards present”, the y/y decline in spending is larger.

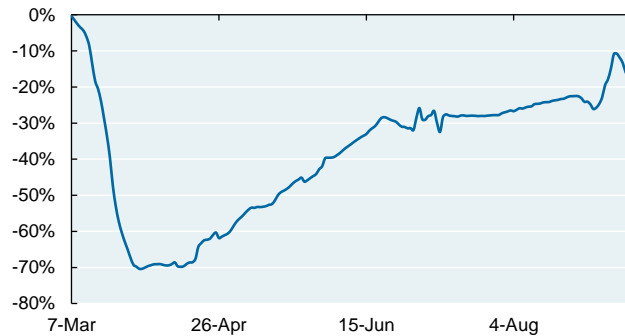
We’re also interested specifically in **discretionary “social distancing spending” (SDS)**. For our purposes, we define SDS as “card present” transactions for retail, lodging, restaurants, rental cars, ride hailing/taxis/limos, amusement parks, tourist attractions, theaters, night clubs and other recreational services. In other words, **discretionary spending that requires people to go someplace and not buy from home**. In our dataset, card-present SDS represented around one third of all consumer spending in 2019. The SDS decline this year is even sharper than the decline in total spending, since the latter includes food, healthcare, gasoline, recurring payments and other non-discretionary items.

National credit and debit card spending trends
Spending change 2020 vs 2019, 7 day smoothing



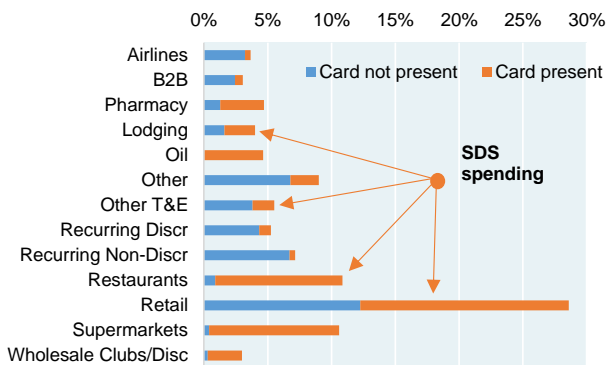
Source: Internal Chase data, JPMAM. Sep 12, 2020.

National credit and debit card spending trends
Social distancing spending, card present transactions
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM. Social distancing: retail, lodging, restaurants, amusement parks, theaters and other recreational services. Sep 12, 2020.

Dataset spending categories by transaction type, 2019



Source: Internal Chase data, JPMAM, 2019.

¹ This report uses rigorous security protocols for selected data sourced from Chase credit and debit card transactions to ensure all information is kept confidential and secure. All selected data is highly aggregated and all unique identifiable information, including names, account numbers, addresses, dates of birth, and Social Security Numbers, is removed from the data before the report’s author receives it.

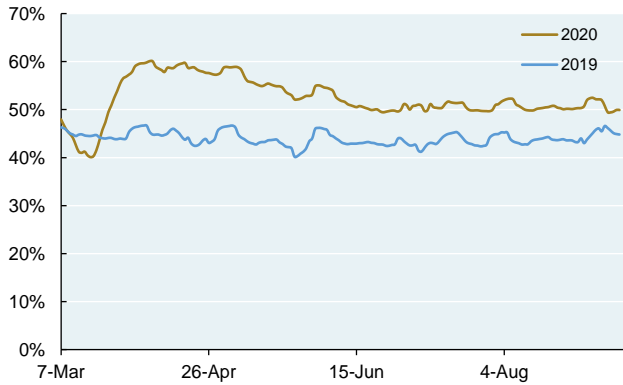
² Our data may not be representative of national spending trends. While it is based on a large number of cardholders, we have not normalized the data for age, gender, income or other factor differences vs the national average.



E-commerce monitor

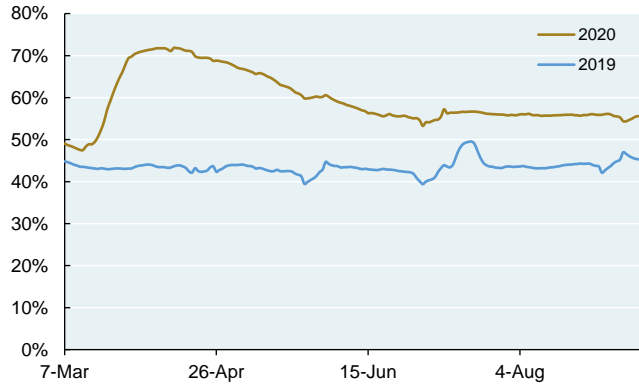
Lingering consumer preferences for e-commerce after the pandemic is over may be one of its more lasting legacies, with implications for a wide range of sectors and industries.

All spending e-commerce shares
Share of total spending via e-commerce



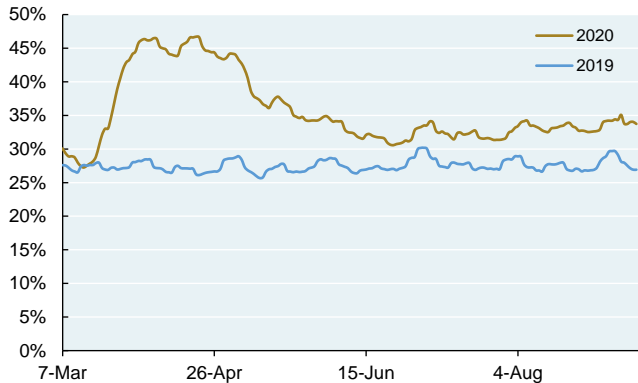
Source: Internal Chase data, JPMAM. Sep 12, 2020.

Retail spending e-commerce shares
Share of total spending via e-commerce



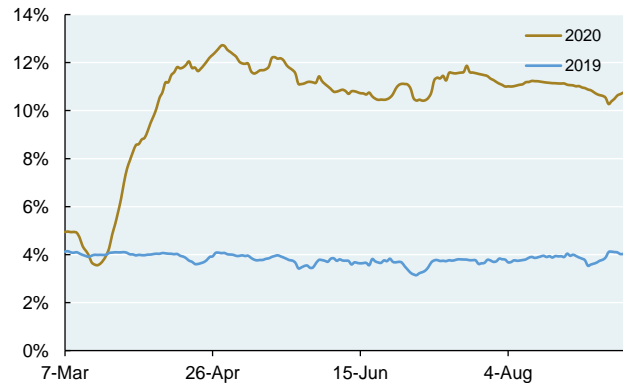
Source: Internal Chase data, JPMAM. Sep 12, 2020.

Healthcare/Pharmacy spending e-commerce shares
Share of total spending via e-commerce



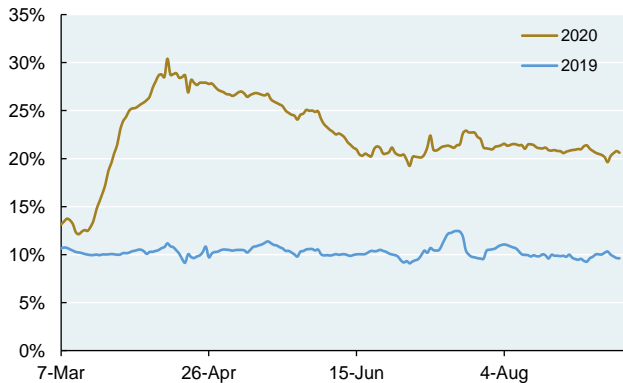
Source: Internal Chase data, JPMAM. Sep 12, 2020.

Supermarket spending e-commerce shares
Share of total spending via e-commerce



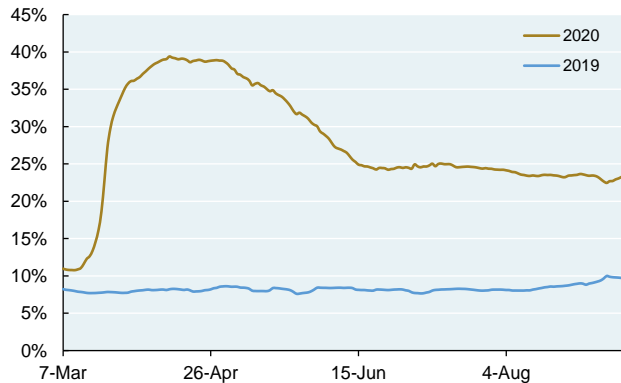
Source: Internal Chase data, JPMAM. Sep 12, 2020.

Wholesale/Discount clubs spending e-commerce shares
Share of total spending via e-commerce



Source: Internal Chase data, JPMAM. Sep 12, 2020.

Restaurant spending e-commerce shares
Share of total spending via e-commerce

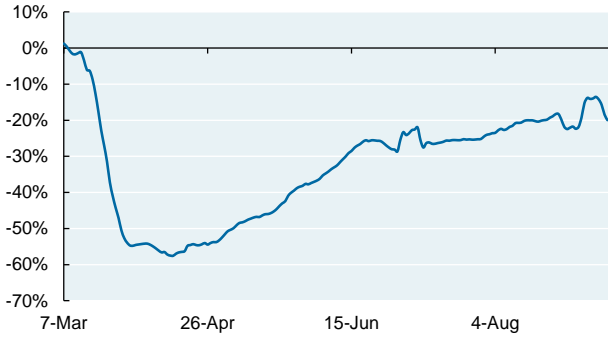


Source: Internal Chase data, JPMAM. Sep 12, 2020.



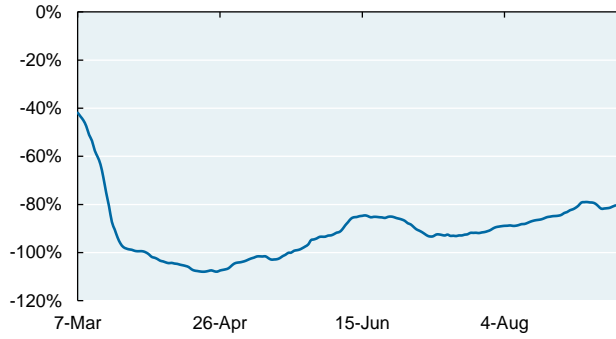
Other spending trends: airlines, oil and recurring spending

National credit and debit card spending trends
Oil spending, all transactions
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM. Sep 12, 2020.

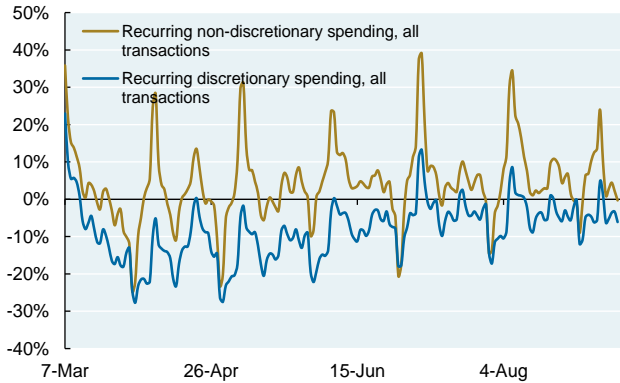
National credit and debit card spending trends
Airline spending, all transactions
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM. Sep 12, 2020.

Recurring payments are either discretionary (cable TV/internet, gyms, equipment and furniture leasing and member organizations) or non-discretionary (utilities, child care, telecom services and insurance).

National credit and debit card spending trends
Spending change 2020 vs 2019, 7 day smoothing



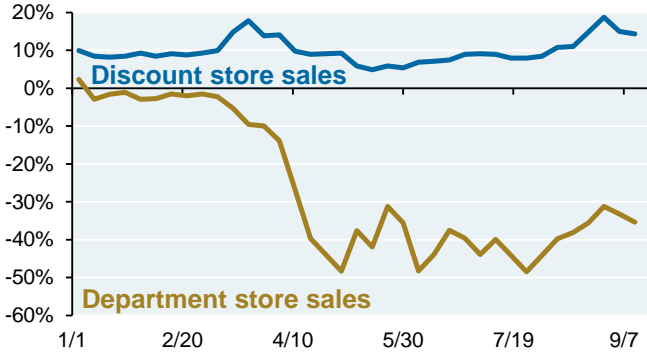
Source: Internal Chase data, JPMAM. Sep 12, 2020.



Nationwide consumer, mobility and manufacturing trackers

US retail sales

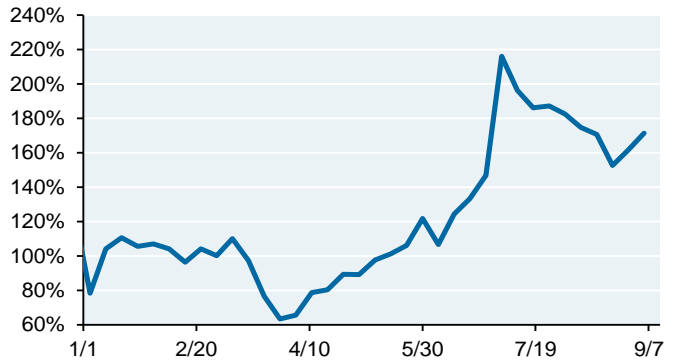
y/y % change, weekly data



Source: Redbook Research. September 12, 2020

New business applications with the IRS

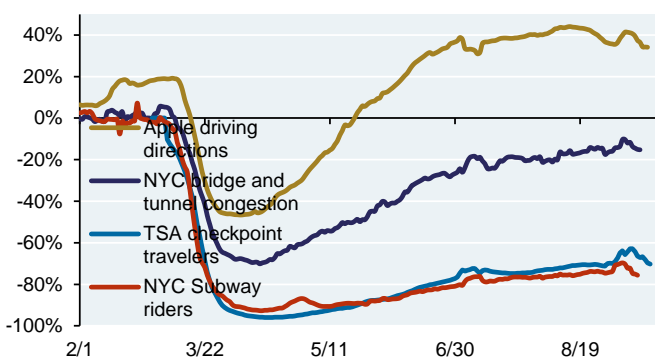
% of 2019 level, weekly data



Source: US Census Bureau. September 05, 2020

United States and New York City travel tracker

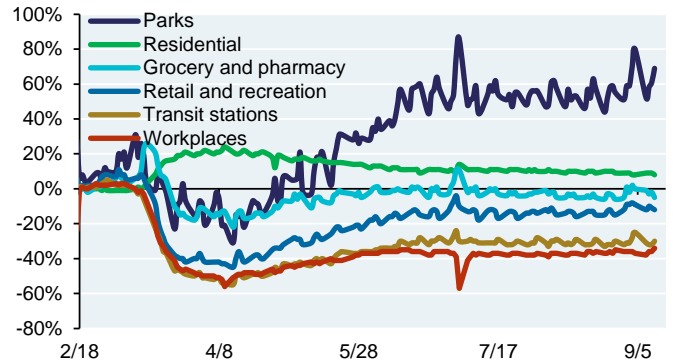
% decline from baseline level, daily data



Source: NYC MTA, TSA, Apple. September 17, 2020.

% change in Google user locations vs Jan baseline

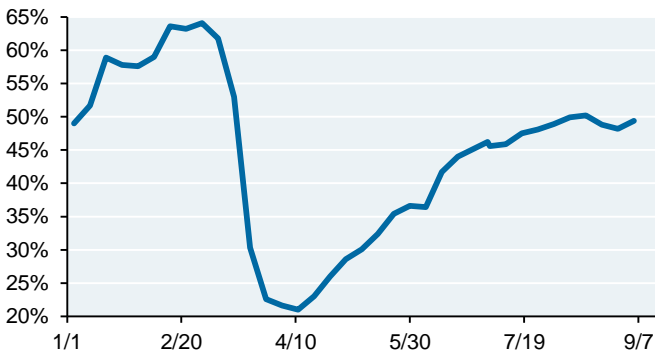
Daily data



Source: Google COVID-19 Community Mobility Reports. September 11, 2020

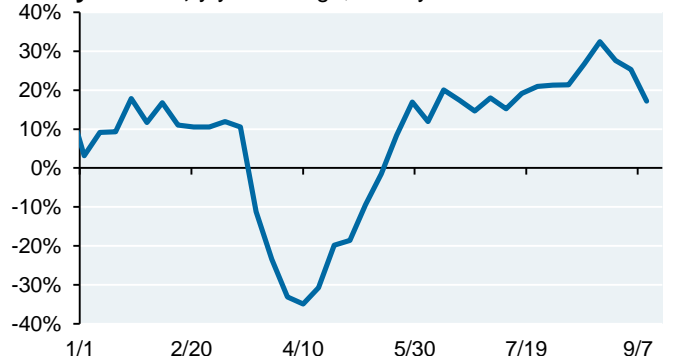
US hotel occupancy rate

Weekly data



Source: Smith Travel. September 05, 2020

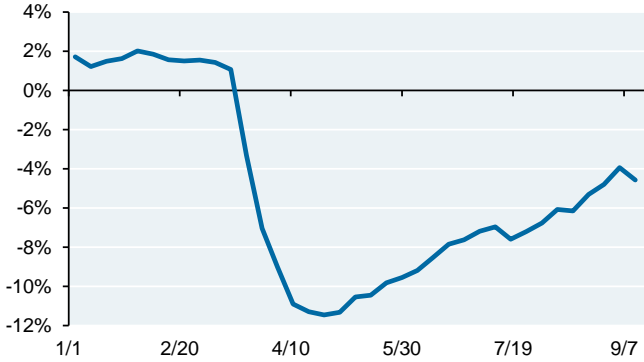
US mortgage applications for purchases of single-family homes, y/y % change, weekly data



Source: Mortgage Bankers Association. September 11, 2020



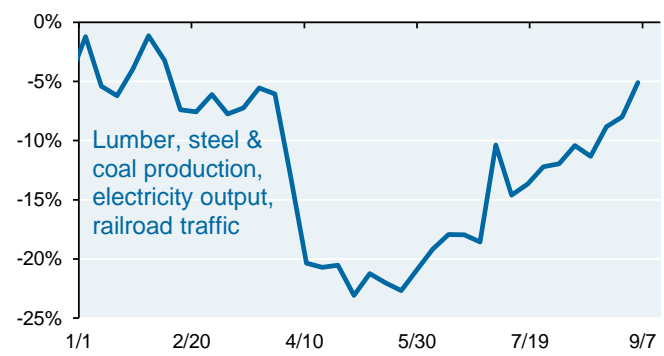
Estimated year over year % change in US GDP growth based on Weekly Economic Index conditions



Source: The Federal Reserve Bank of New York. September 12, 2020

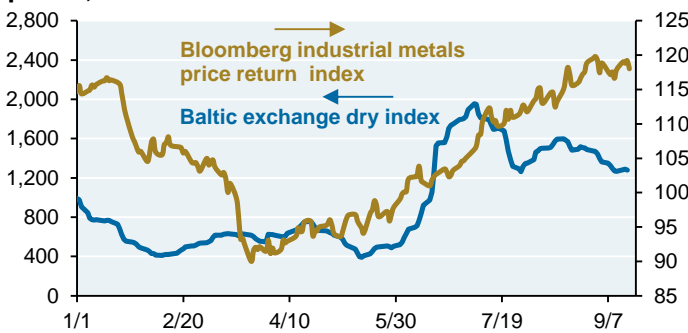
US 2020 high frequency manufacturing tracker

y/y % change, weekly data



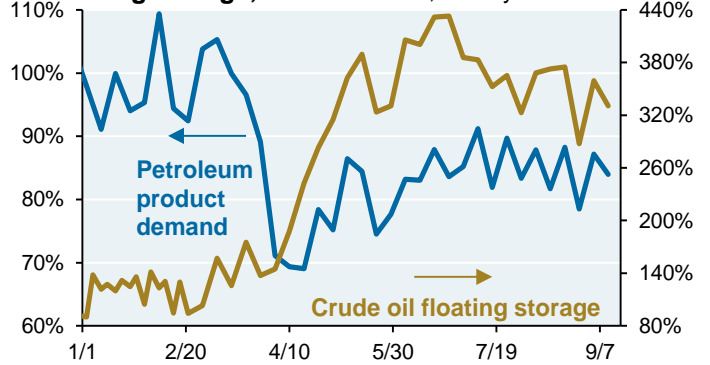
Source: WWPA, EIA, AISI, AAR, EEI, Haver. JPMAM. September 05, 2020.

Baltic exchange dry index vs industrial commodity prices, Index level



Source: Bloomberg. September 17, 2020. Bloomberg's Industrial Metals Index reflects price changes in Copper, Aluminum, Zinc, and Nickel

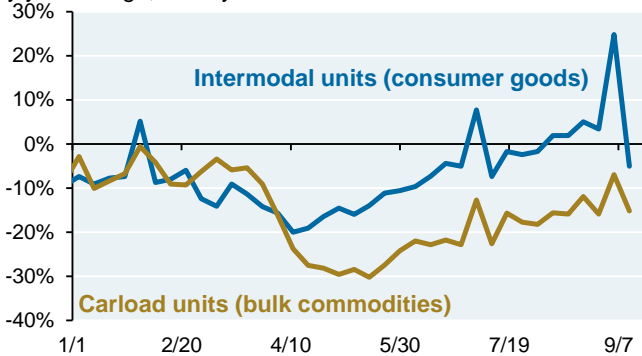
US demand for petroleum products vs global crude oil floating storage, % of 2019 level, weekly data



Source: EIA, Vortexa LTD. September 11, 2020

US railroad traffic

y/y % change, weekly data



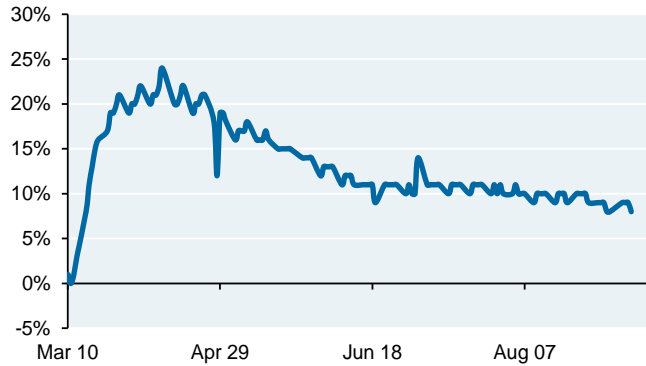
Source: Association of American Railroads. September 12, 2020



US Mobility data

US residential mobility data

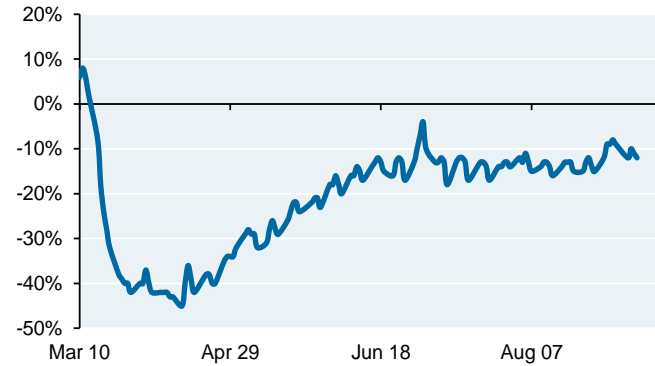
% change from baseline



Source: Google, JPMAM. Sep 11, 2020.

US retail, restaurants and recreation mobility data

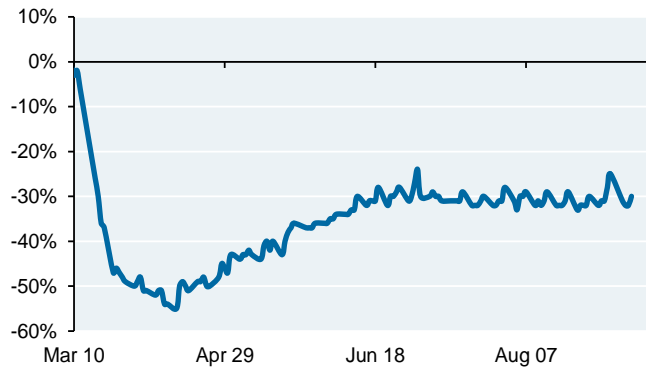
% change from baseline



Source: Google, JPMAM. Sep 11, 2020.

US transit stations mobility data

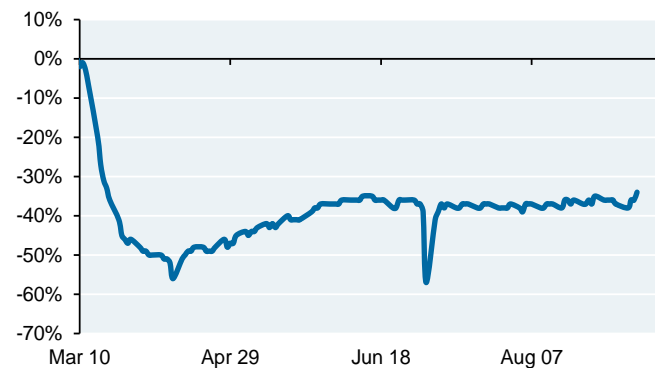
% change from baseline



Source: Google, JPMAM. Sep 11, 2020.

US workplaces mobility data

% change from baseline

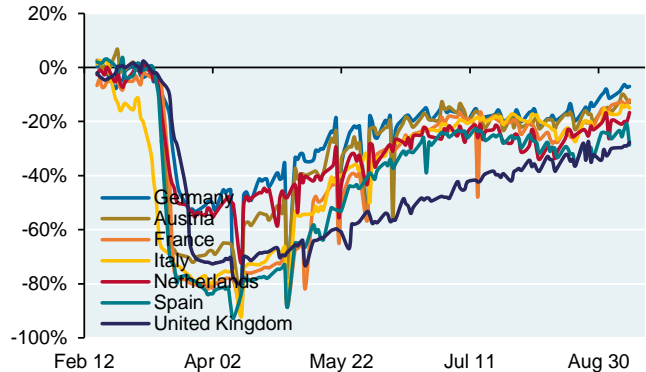


Source: Google, JPMAM. Sep 11, 2020.

International mobility data

Regional mobility data: Europe

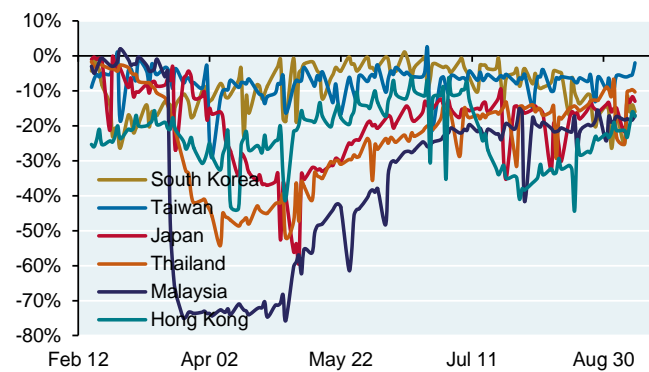
% change from baseline: retail, restaurants, transit & workplace



Source: Google, JPMAM. September 11, 2020.

Regional mobility data: Asia

% change from baseline: retail, restaurants, transit & workplace



Source: Google, JPMAM. September 11, 2020.



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