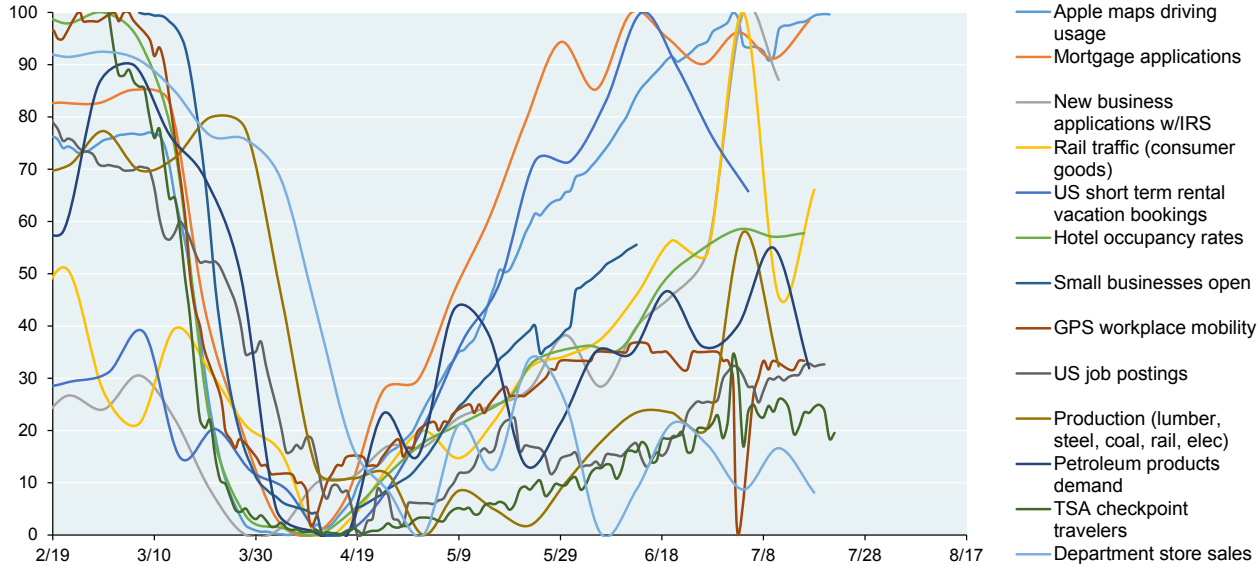




[1] The US reopens: reopening, mobility, production and spending

High frequency US data tracker

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



Source: WWSA, EIA, AISI, EEI, AAR, Redbook, Census Bureau, TSA.gov, Apple, Smith Travel, MBA, Google, AirDNA, ThinkNum, JPMAM. July 23, 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

INVESTMENT AND INSURANCE PRODUCTS:

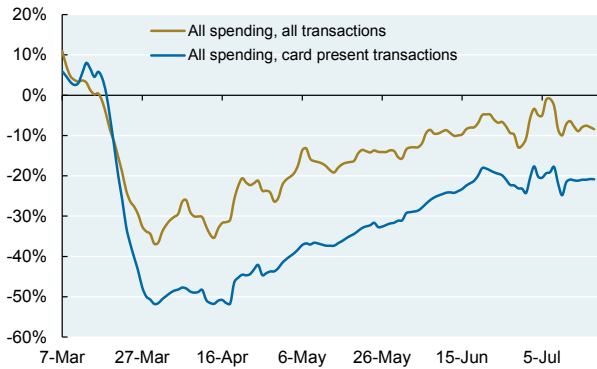
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Credit and debit card spending trends

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 down around 10% 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.

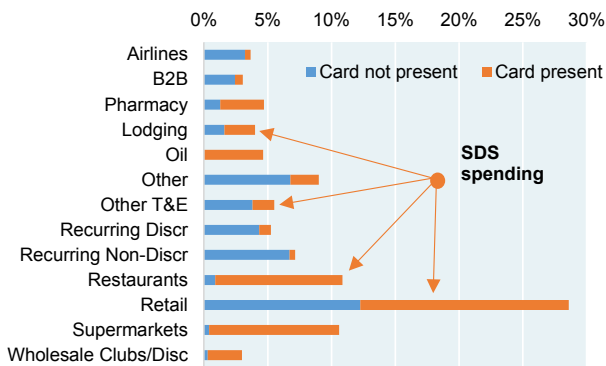
National credit and debit card spending trends
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM, Jul 18, 2020.

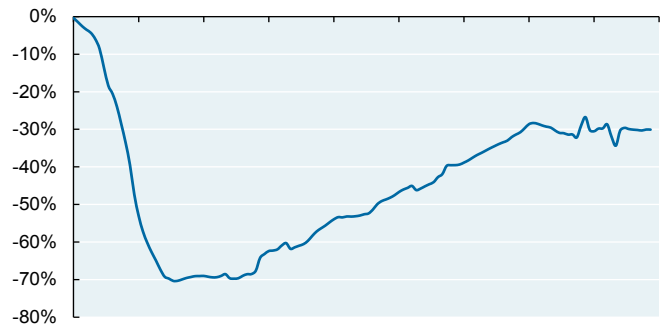
We’re also interested specifically in **discretionary “social distancing spending” (SDS)**. For our purposes, we define SDS as “card present” transactions for retail, lodging, restaurants, rental cars, ride hailing/taxis/limos, amusement parks, tourist attractions, theaters, night clubs and other recreational 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.

Dataset spending categories by transaction type, 2019



Source: Internal Chase data, JPMAM, 2019.

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. Jul 18, 2020.

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.

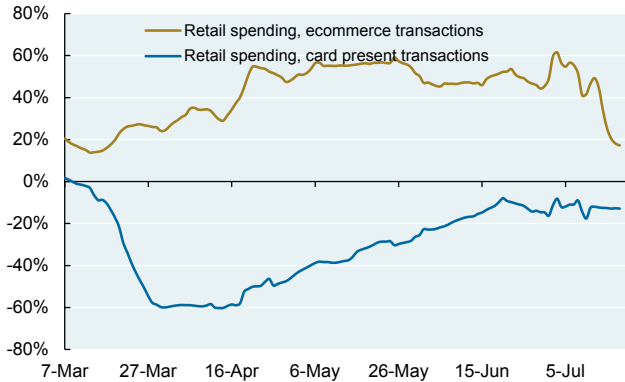
² Our data may not be representative of national spending trends. While it is based on a large number of cardholders, we have not normalized the data for age, gender, income or other factor differences vs the national average.



The next two charts compare e-commerce and “card present” transactions for retail only, and then for all spending categories in our dataset. **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.**

National credit and debit card spending trends

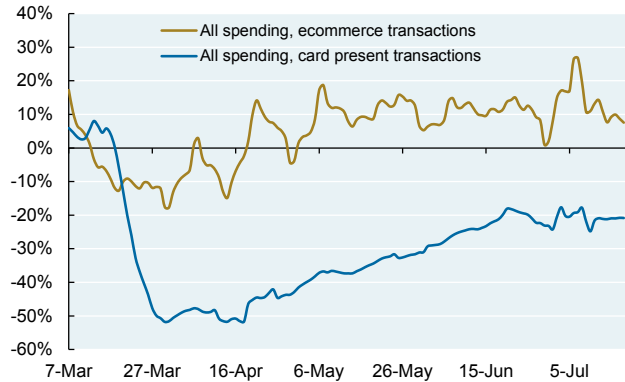
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM. Jul 18, 2020.

National credit and debit card spending trends

Spending change 2020 vs 2019, 7 day smoothing



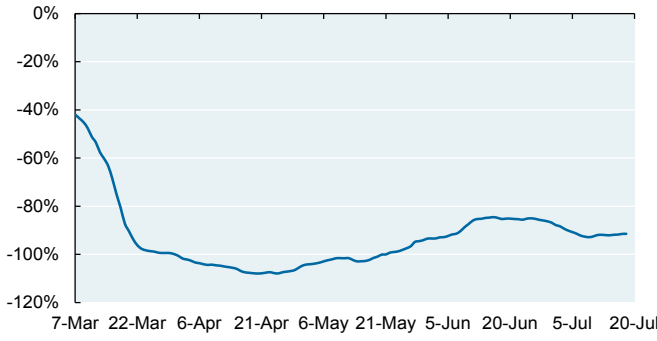
Source: Internal Chase data, JPMAM. Jul 18, 2020.

Here’s a look at changes in airline spending, and in recurring payments. The latter category is divided into discretionary recurring items (cable TV/internet, gyms, equipment and furniture leasing and member organizations) and non-discretionary recurring items (utilities, child care, telecom services and insurance).

National credit and debit card spending trends

Airline spending, all transactions

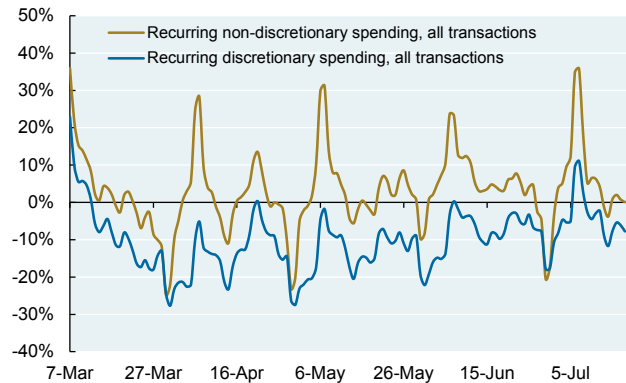
Spending change 2020 vs 2019, 7 day smoothing



Source: Internal Chase data, JPMAM. Jul 18, 2020.

National credit and debit card spending trends

Spending change 2020 vs 2019, 7 day smoothing

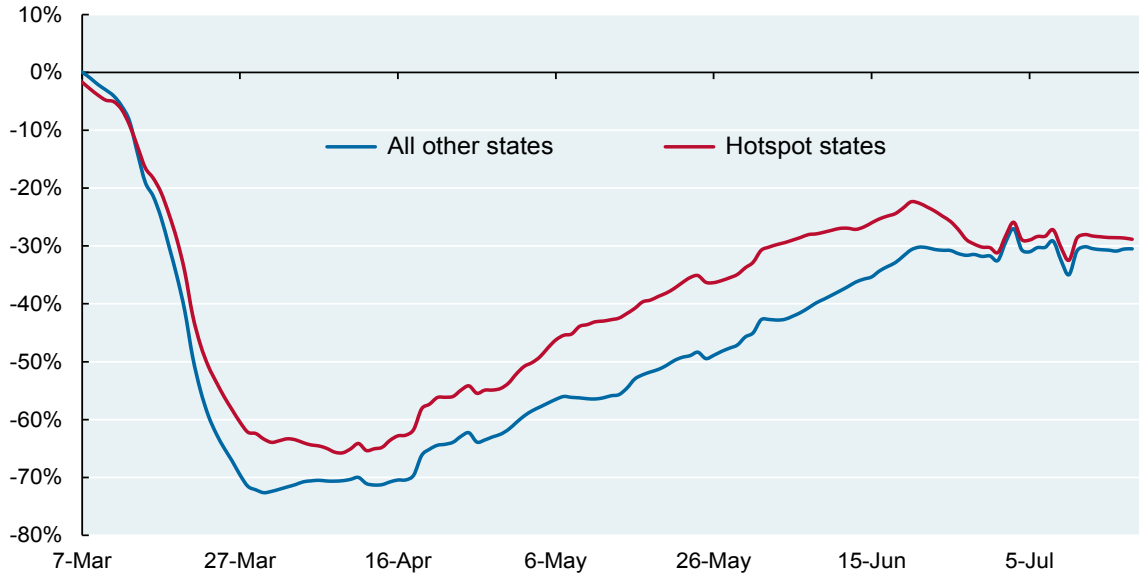


Source: Internal Chase data, JPMAM. Jul 18, 2020.



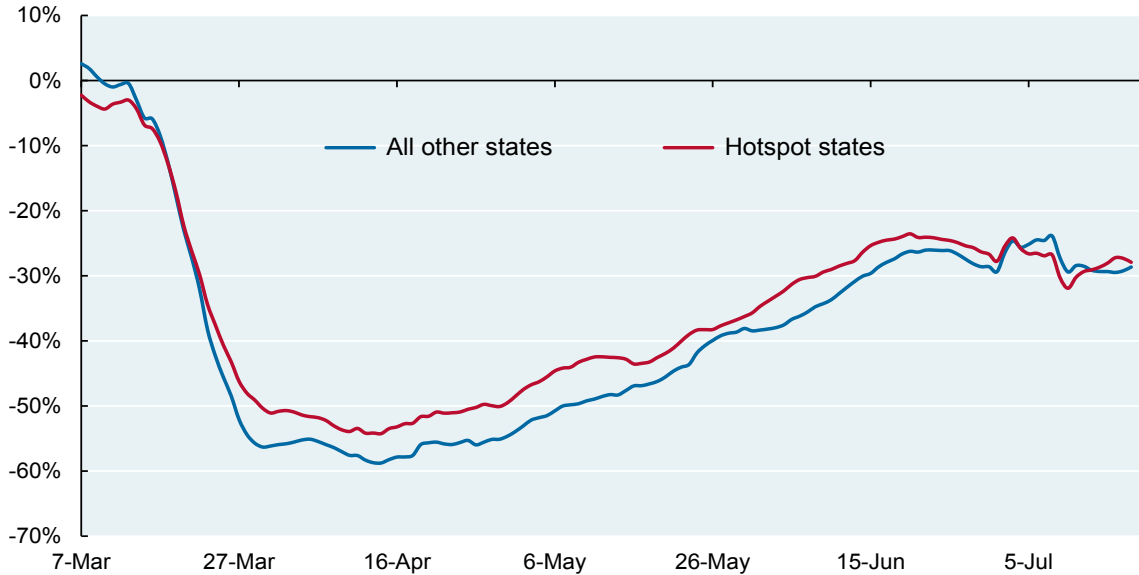
The next two charts examine SDS and oil spending in Hotspot vs All Other states.

Credit and debit card spending trends according to Hotspots: GA FL TX NC SC NV UT LA AR ID MS AL
 Social distancing spending, card present transactions



Source: Internal Chase data, JHU, JPMAM. Jul 18, 2020. Social distancing: retail, lodging, restaurants, amusement parks, theaters and other recreational services.

Credit and debit card spending trends according to Hotspots: GA FL TX NC SC NV UT LA AR ID MS AL
 Oil spending, all transactions



Source: Internal Chase data, JHU, JPMAM. Jul 18, 2020.



US Mobility data

US residential mobility data

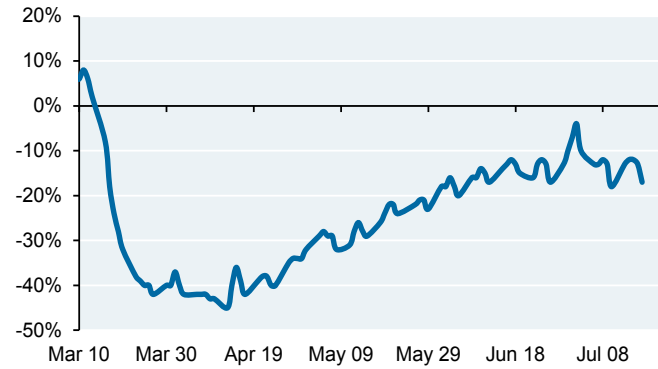
% change from baseline



Source: Google, JPMAM. Jul 17, 2020.

US retail, restaurants and recreation mobility data

% change from baseline



Source: Google, JPMAM. Jul 17, 2020.

US transit stations mobility data

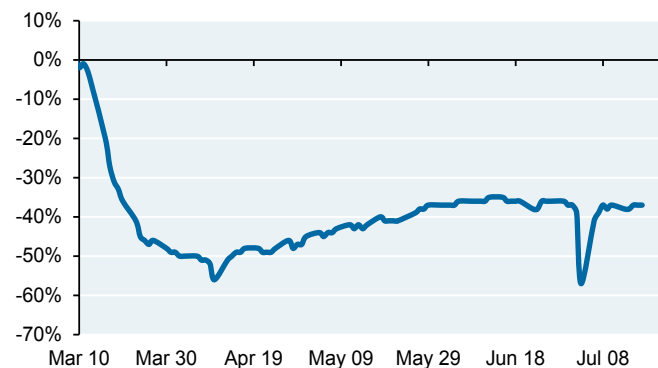
% change from baseline



Source: Google, JPMAM. Jul 17, 2020.

US workplaces mobility data

% change from baseline

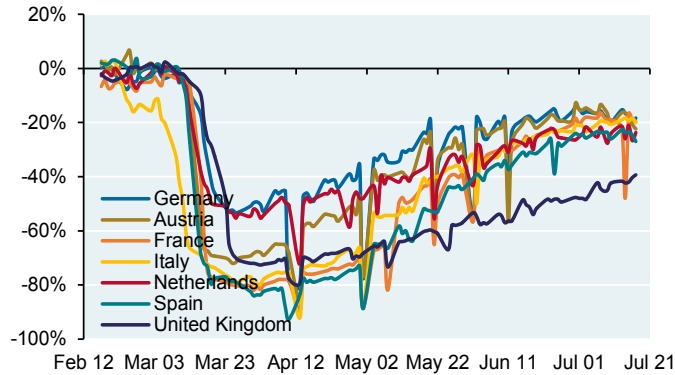


Source: Google, JPMAM. Jul 17, 2020.

International mobility data

Regional mobility data: Europe

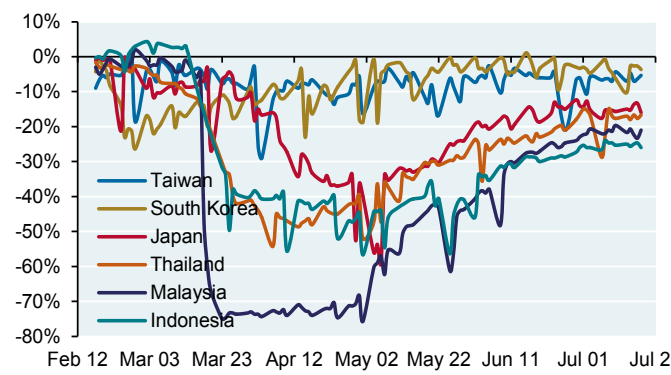
% change from baseline: retail, restaurants, transit & workplace



Source: Google, JPMAM. July 17, 2020.

Regional mobility data: Asia

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



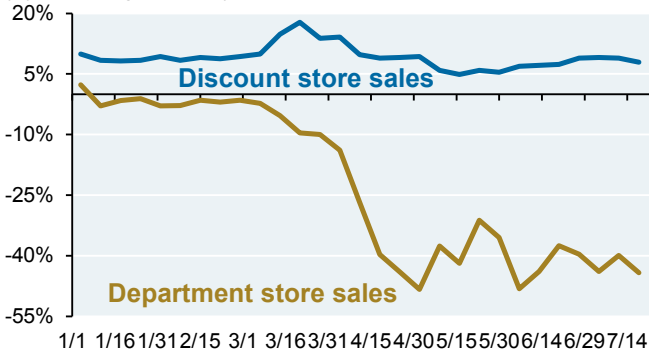
Source: Google, JPMAM. July 17, 2020.



Nationwide consumer, mobility and manufacturing trackers

US retail sales

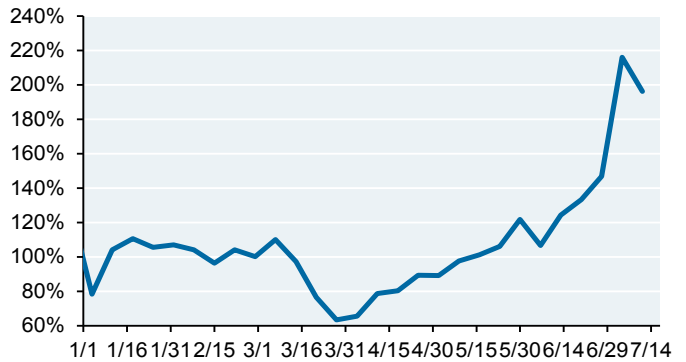
y/y % change, weekly data



Source: Redbook Research. July 18, 2020

New business applications with the IRS

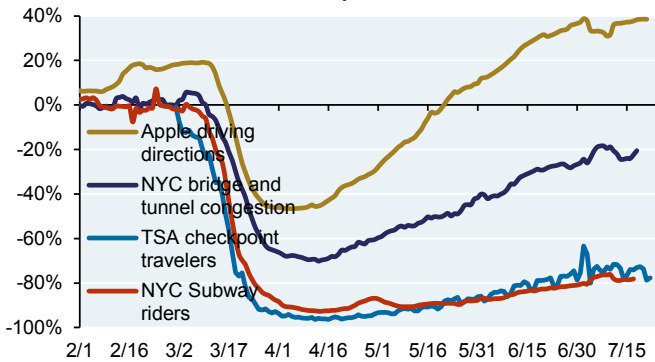
% of 2019 level, weekly data



Source: US Census Bureau. July 11, 2020

United States and New York City travel tracker

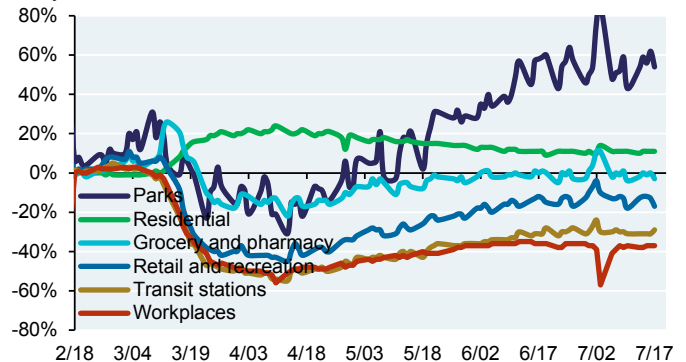
% decline from baseline level, daily data



Source: NYC MTA, TSA, Apple. July 22, 2020.

% change in Google user locations vs Jan baseline

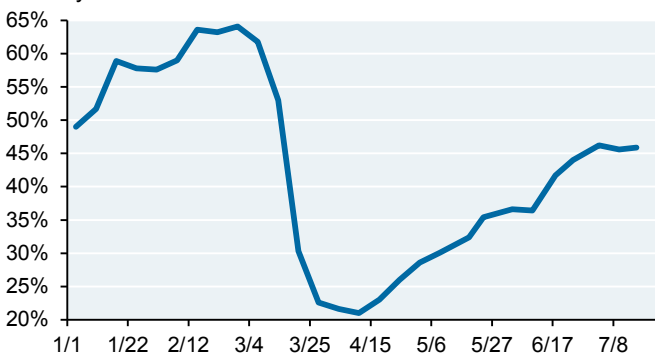
Daily data



Source: Google COVID-19 Community Mobility Reports. July 17, 2020

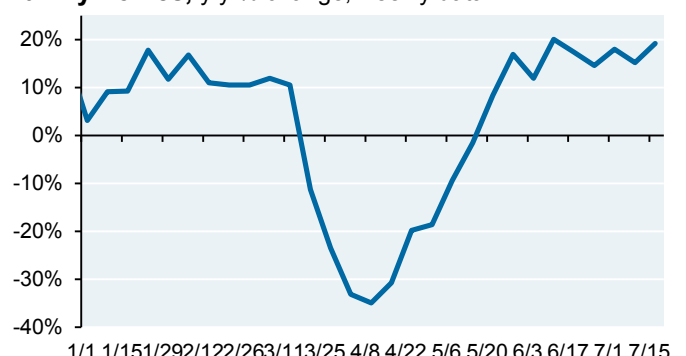
US hotel occupancy rate

Weekly data



Source: Smith Travel. July 16, 2020

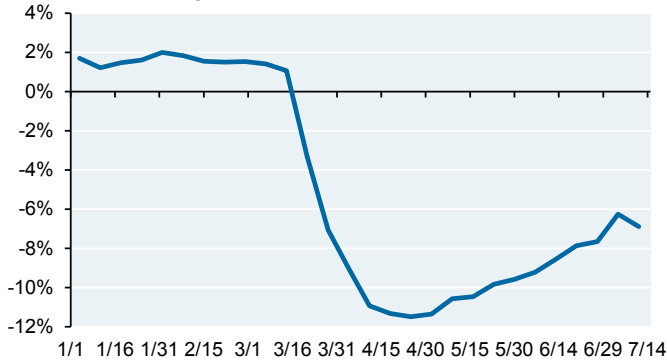
US mortgage applications for purchases of single-family homes, y/y % change, weekly data



Source: Mortgage Bankers Association. July 17, 2020



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



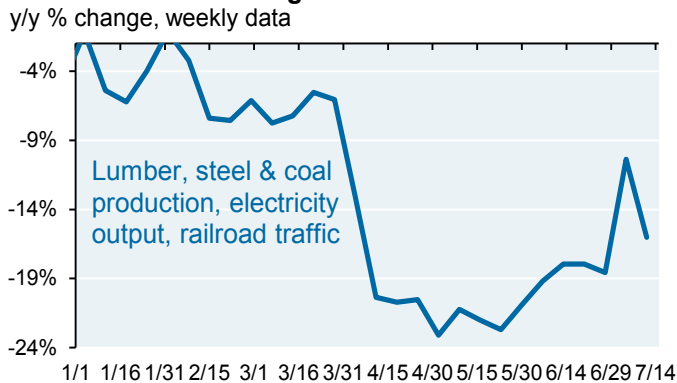
Source: The Federal Reserve Bank of New York. July 11, 2020

New US short-term vacation rental bookings



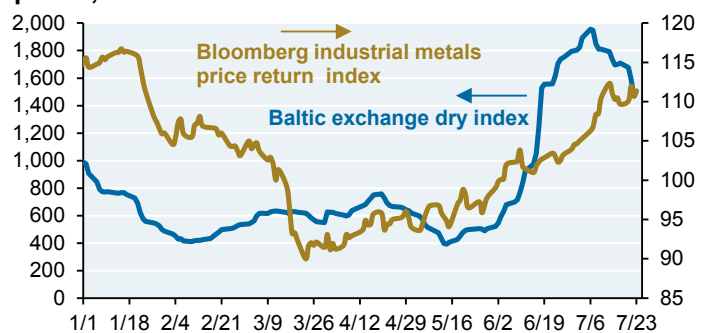
Source: AirDNA. Jul 05, 2020.

US 2020 manufacturing tracker



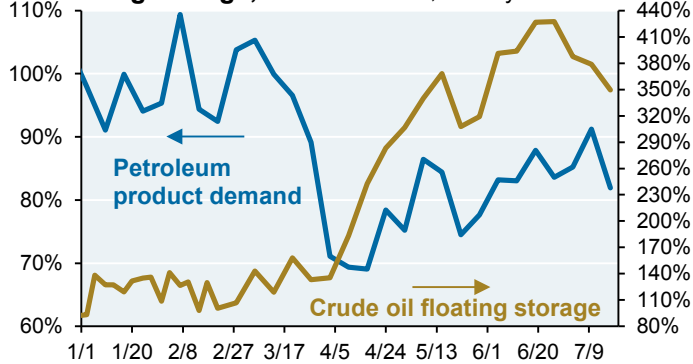
Source: WWSA, EIA, AISI, AAR, EEI, Haver. JPMAM. July 11, 2020

Baltic exchange dry index vs industrial commodity prices, Index level



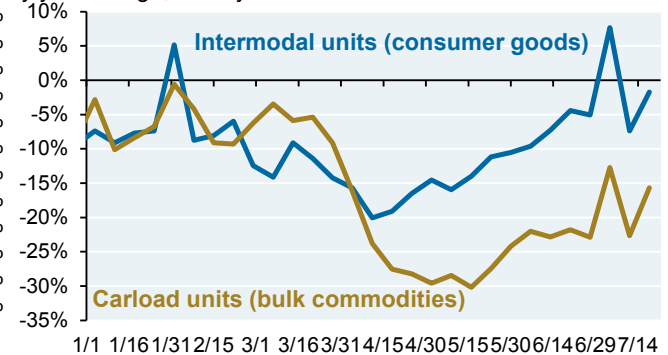
Source: Bloomberg. July 23, 2020. Bloomberg's Industrial Metals Index reflects price changes in Copper, Aluminum, Zinc, and Nickel futures.

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



Source: EIA, Vortexa LTD. July 17, 2020

US railroad traffic y/y % change, weekly data



Source: Association of American Railroads. July 18, 2020

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