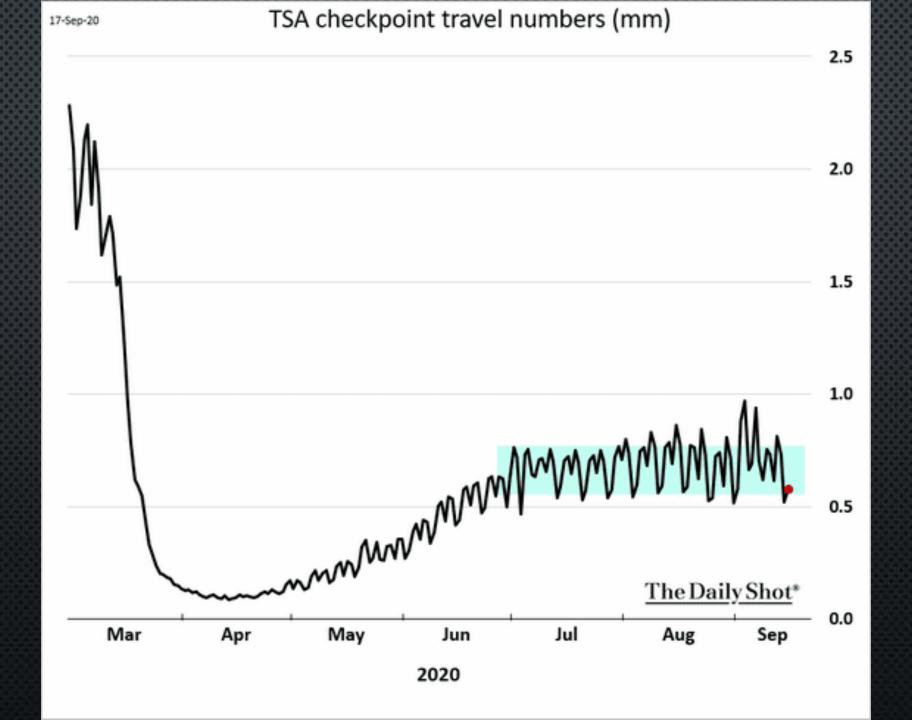
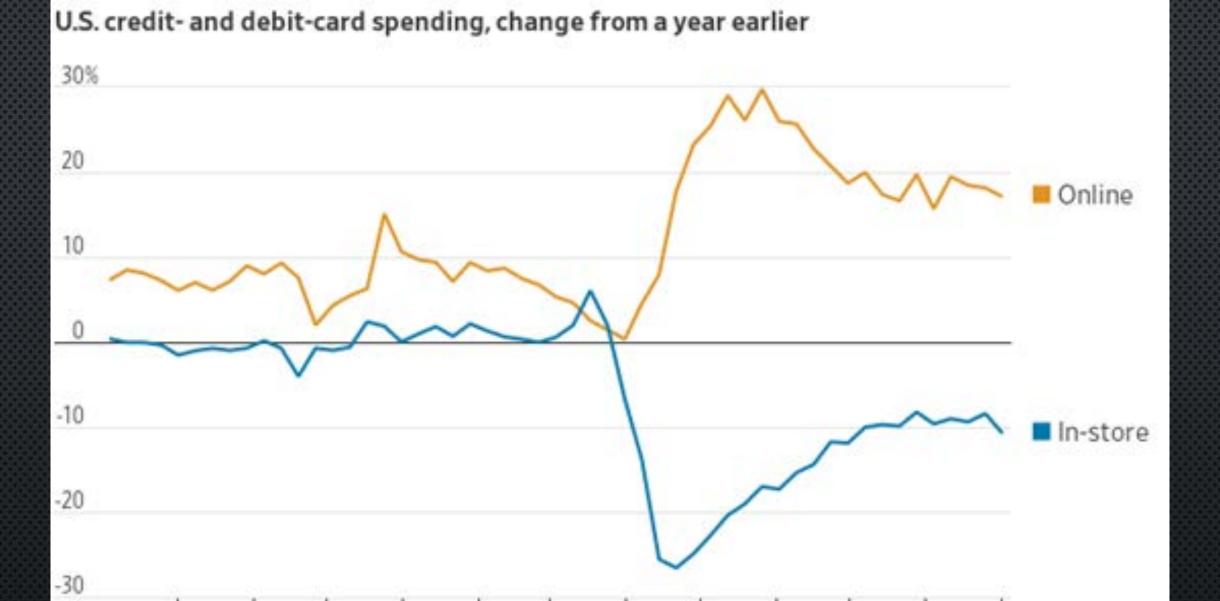


Source: U.S. Census Bureau Household Pulse Survey * Census survey conducted Aug. 19 to Aug. 31





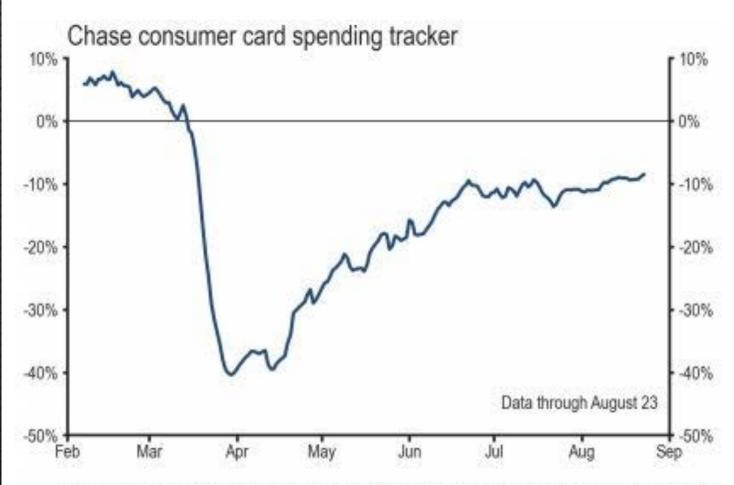


Note: Four-week moving average Source: Earnest Research

Oct. 2019

Daily consumer spending tracker

- On August 23, our tracker of Chase consumer card spending rose from -8.8% to -8.5%.
- The tracker rose 0.6%-pt over the prior week, and it is 31.9%-pt above its low of -40.4% on March 30.



Source: J.P. Morgan. % change over year-ago in 7-day average of total in nonrecurring categories.