

Figure 1.
Timeline of Data Releases and Early Policy Responses to COVID-19,
January-September 2020

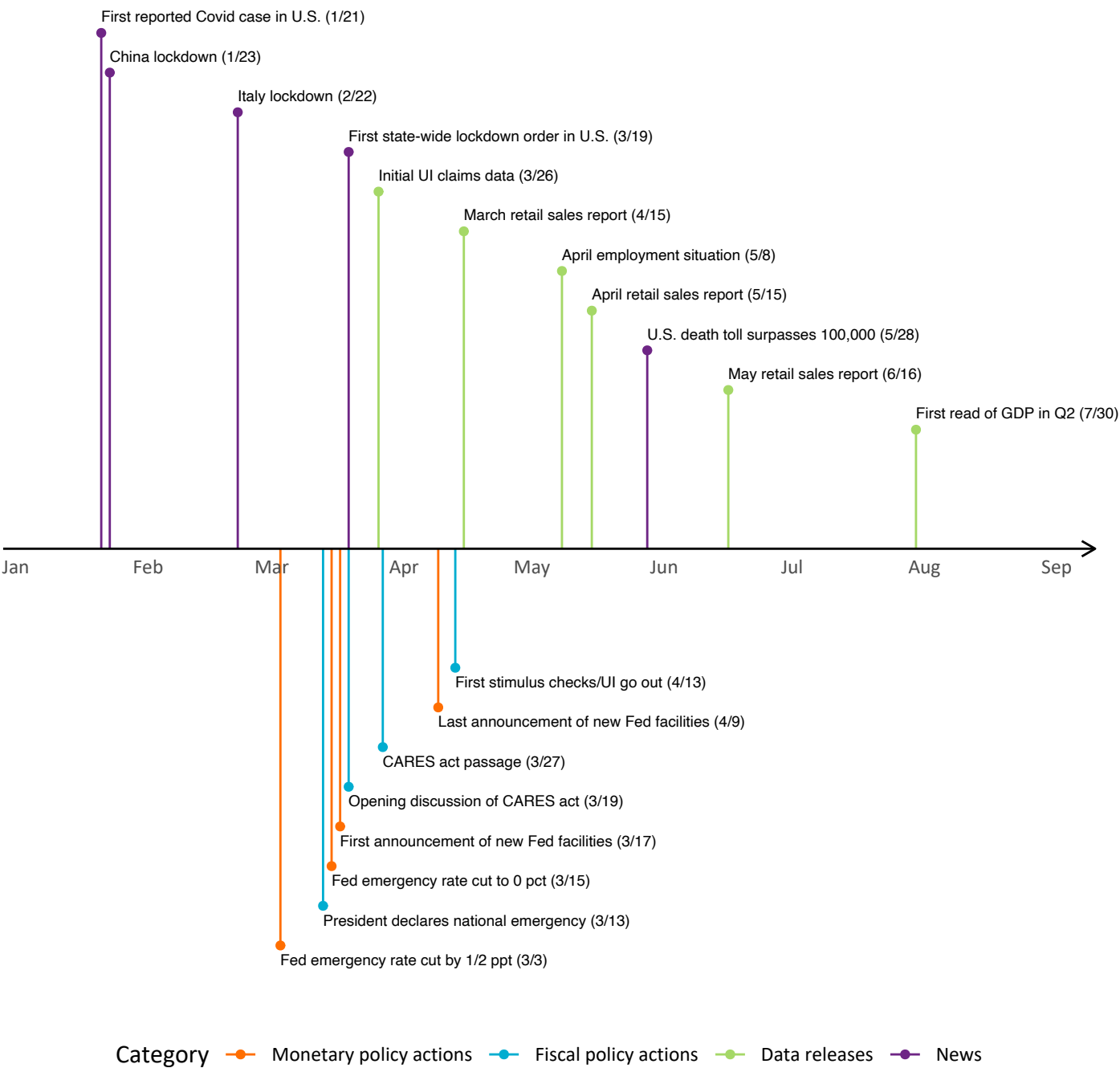


Figure 2.

Timing of ADP and BLS Employment Data Releases for Change in Employment Relative to February 15, 2020, February-May 2020

Figure 2a.
Timing of ADP and BLS Private Paid Employment Data Releases

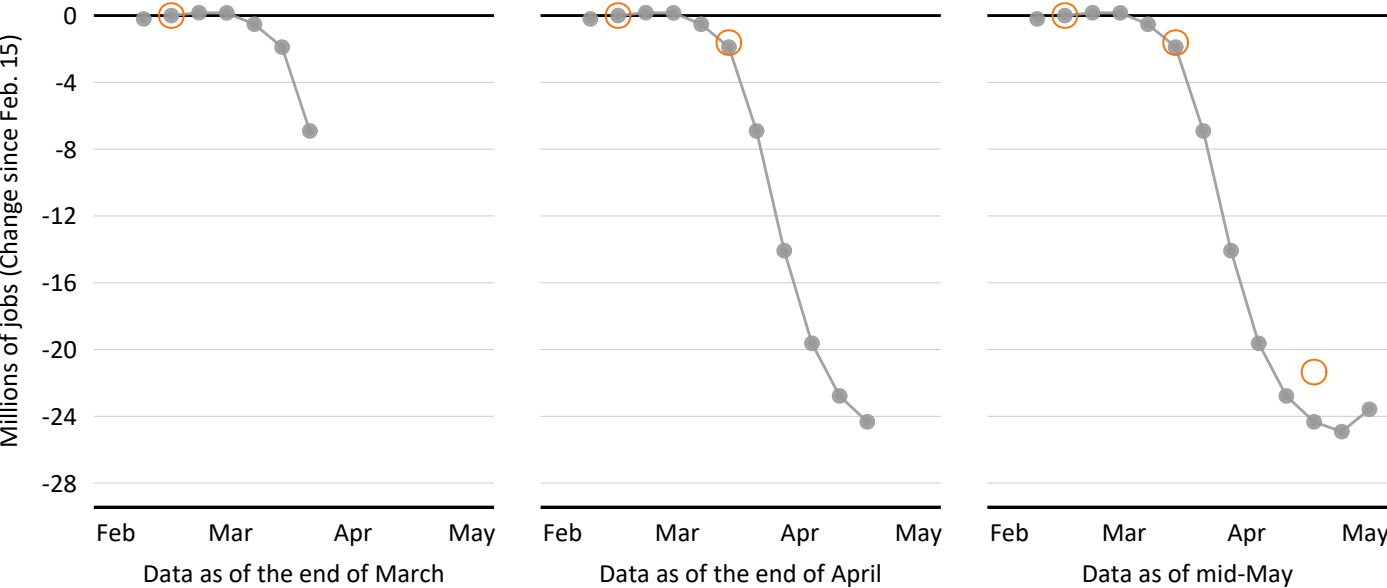


Figure 2b.
Timing of ADP and BLS Leisure and Hospitality Data Releases

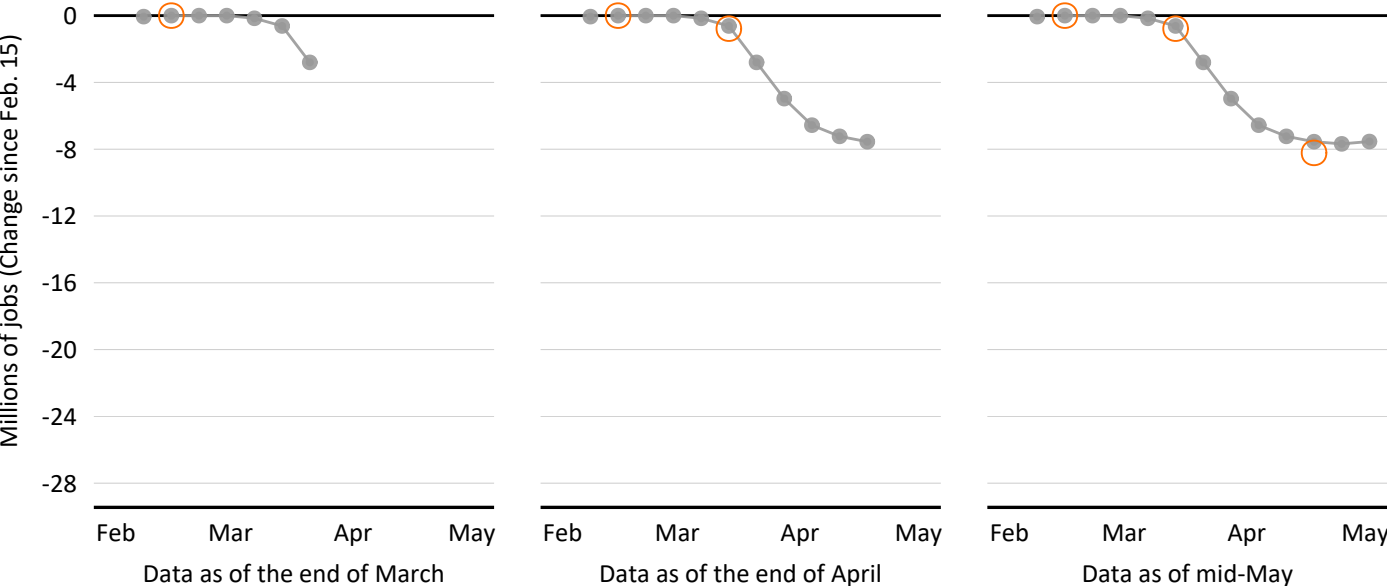
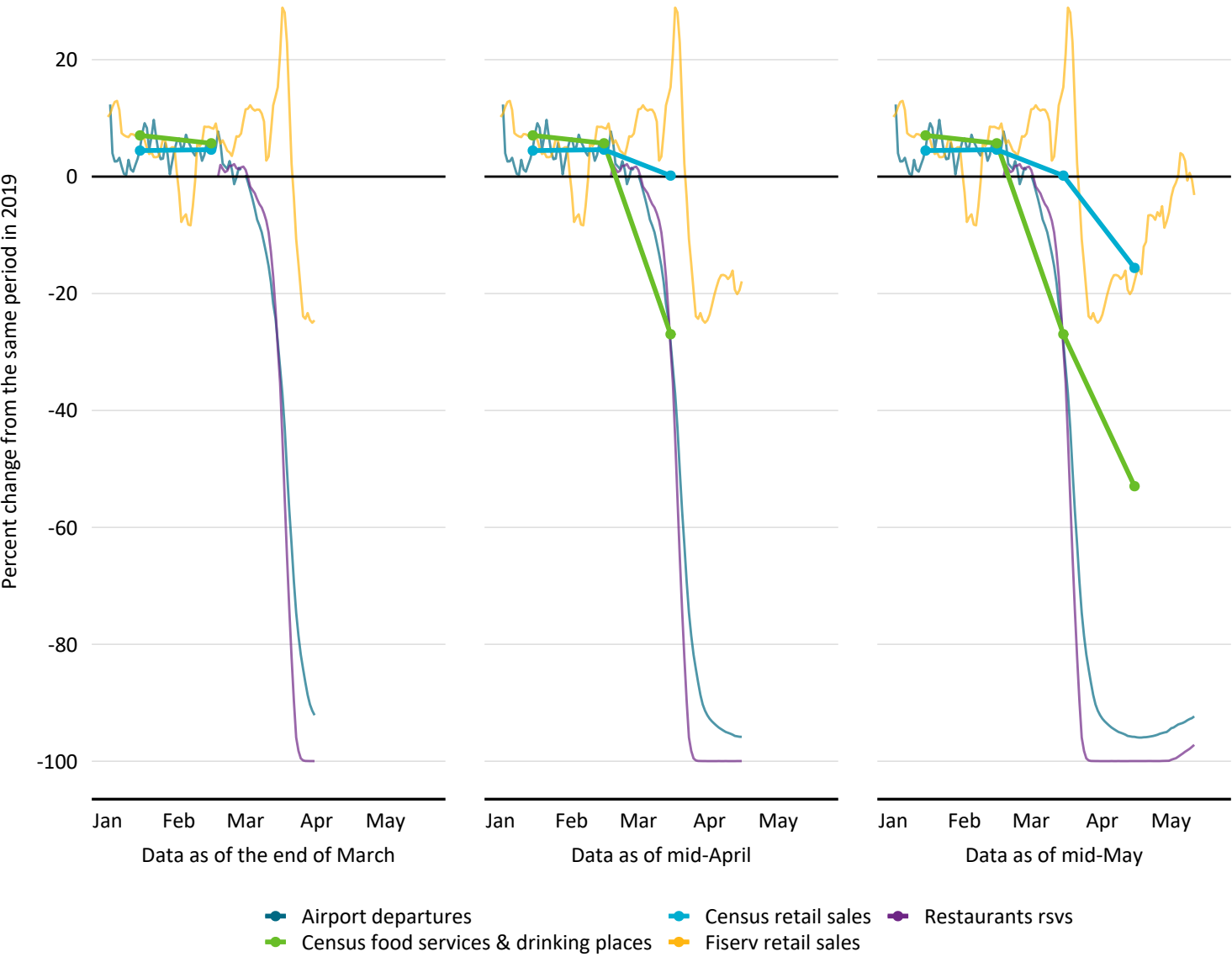


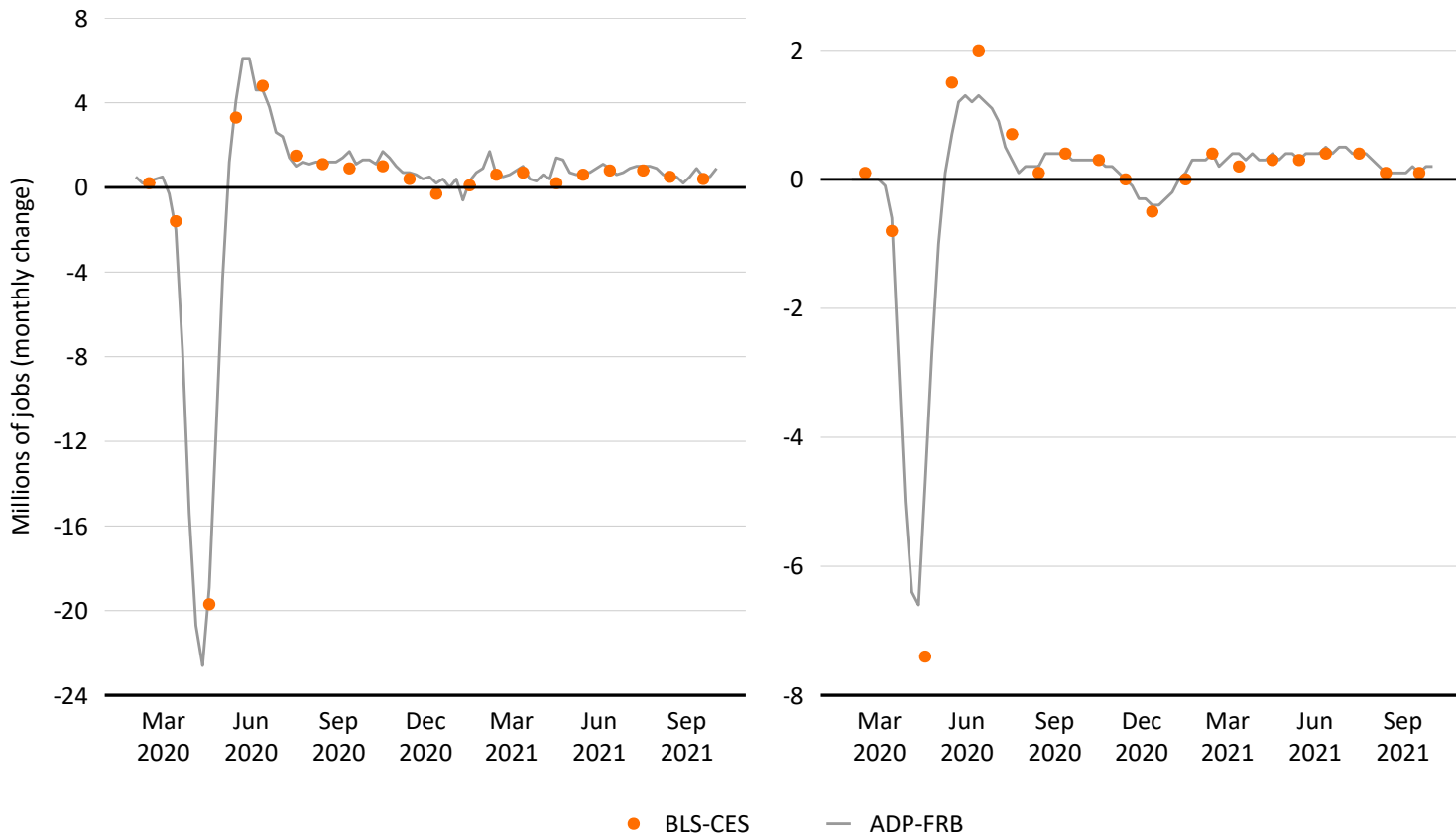
Figure 3.
 Timing of Consumer Spending Data Releases for Percent Change in Retail Sales, Restaurant Reservations, and Airport Departments from 2019, January-May 2020



Source: Census Bureau (2020); Fiserv (2020), OpenTable (2020), TSA (2020).
 Note: Airport departures, restaurant reservations, and Fiserv retail sales are seven-day moving averages.

Figure 4.

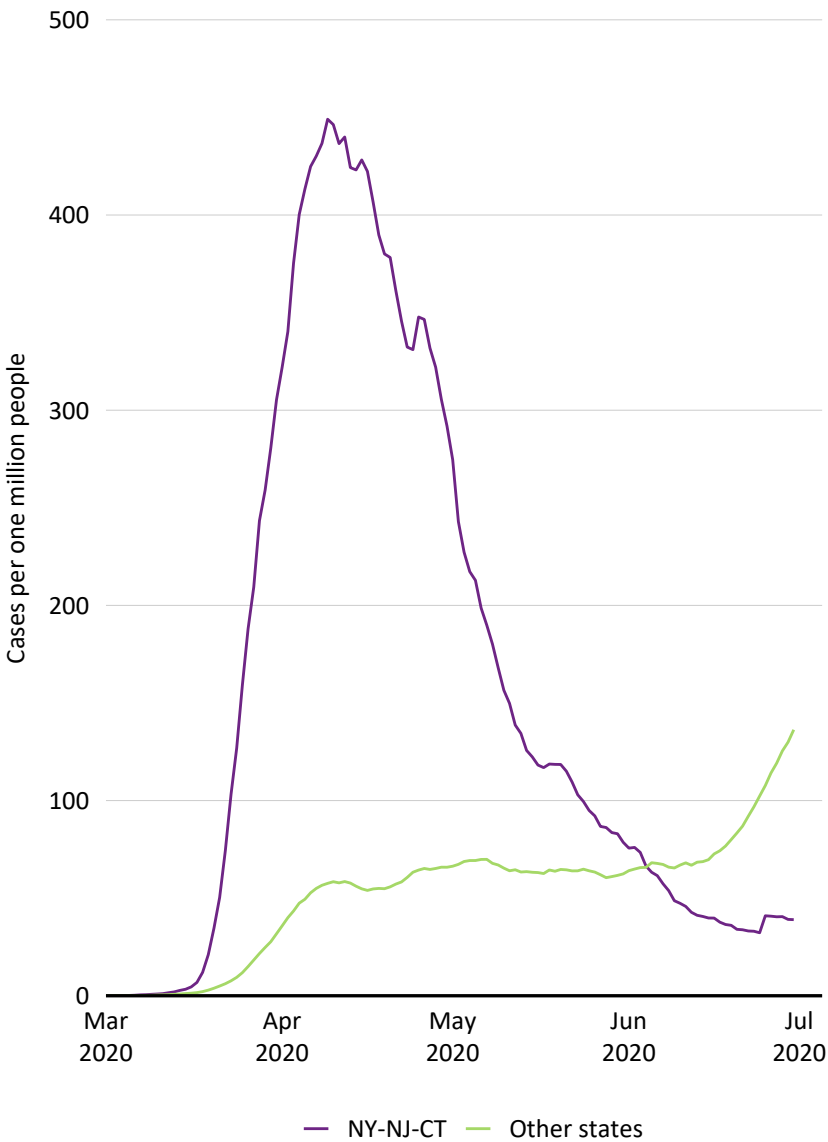
Timing of ADP and BLS Employment Data Releases for Change in Employment, March 2020-September 2021



Source: ADP (2020-2021), BLS (2020-2021); authors' calculations

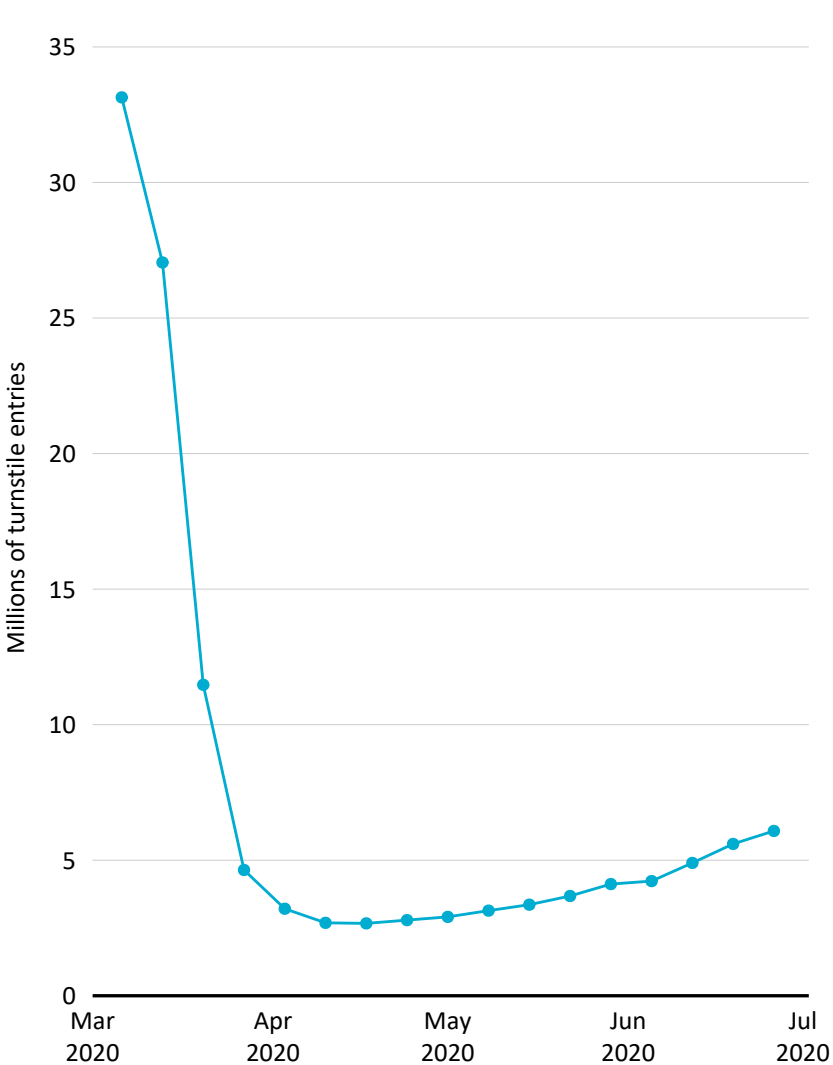
Figure 5.
COVID-19 Case Rates and New York City Subway Turnstiles Entries, March-July 2020

Figure 5a.
COVID-19 Case Rates by Location



Source: New York Times (n.d.)
Note: Seven-day moving averages are depicted.

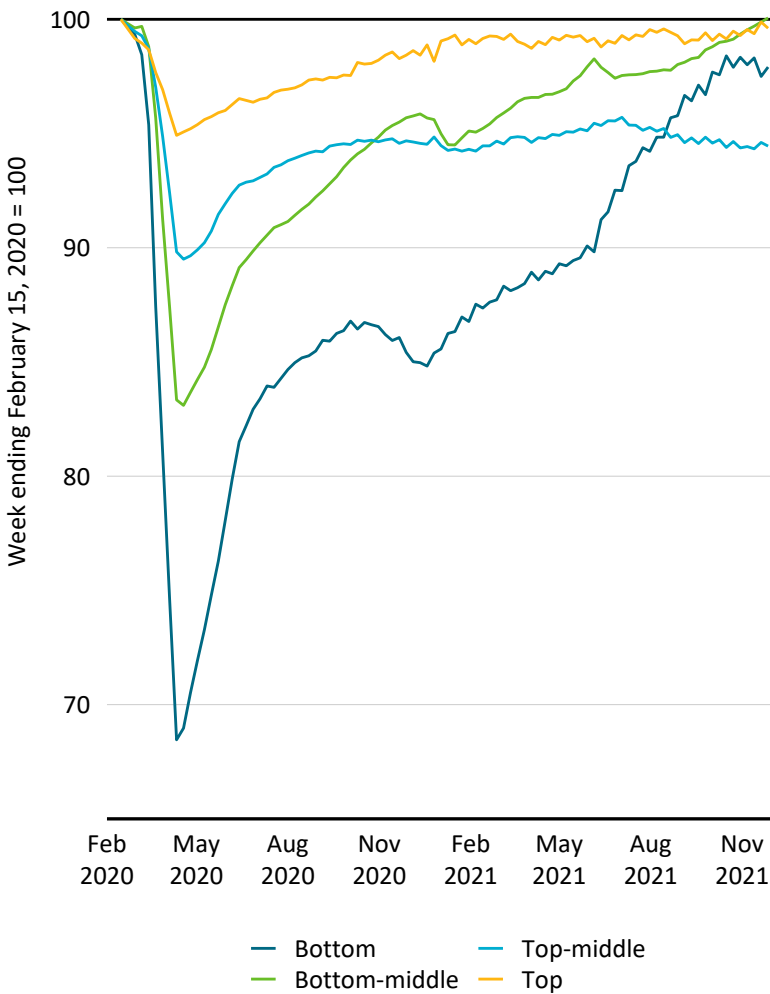
Figure 5b.
Weekly New York City Subway Turnstile Entries



Source: Metropolitan Transportation Authority.
Note: Weekly estimates are seasonally adjusted.

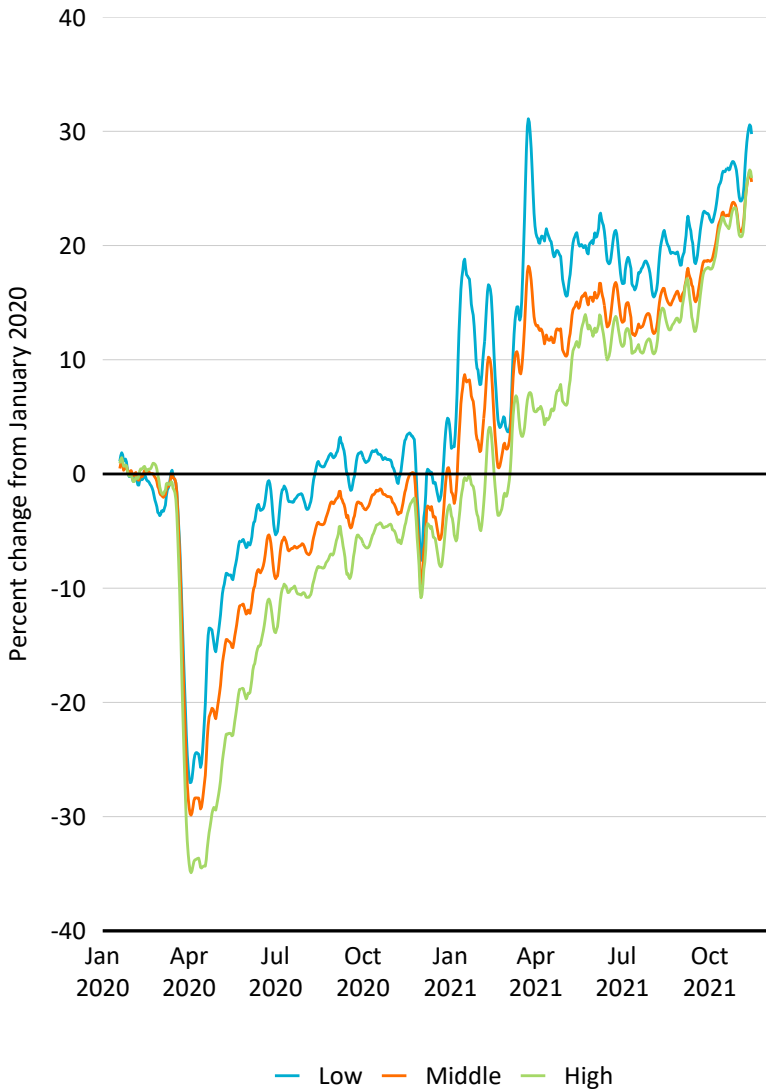
Figure 6. Employment and Consumer Spending by Income, Indexed to February 2020

Figure 6a.
ADP Employment by Wage Quartile



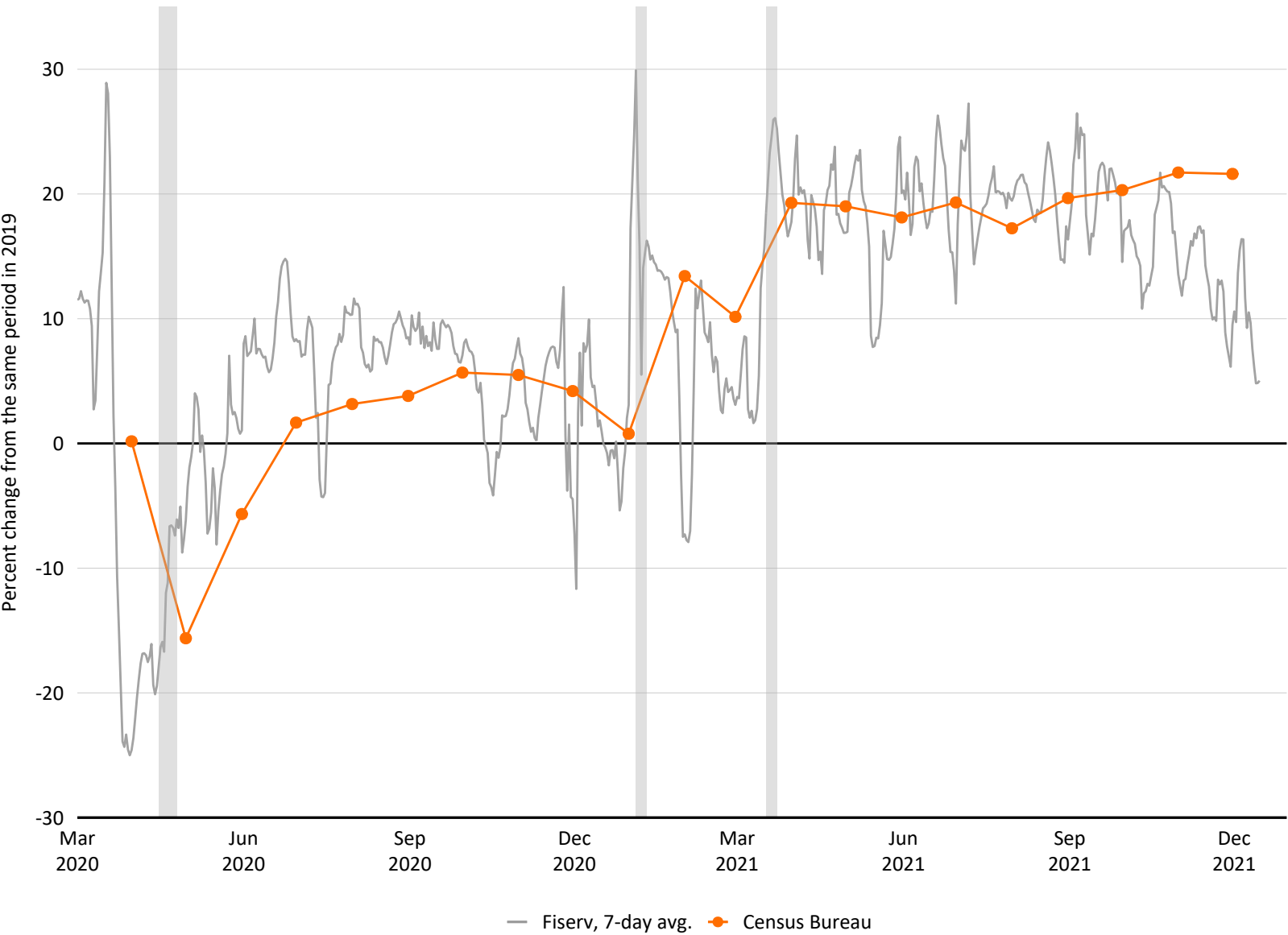
Source: ADP (2020-2021); authors' calculations.

Figure 6b.
Affinity Consumer Spending by Income



Source: Affinity (Opportunity Insights) 2020-2021.
Note: Seasonally adjusted seven-day moving averages are shown.

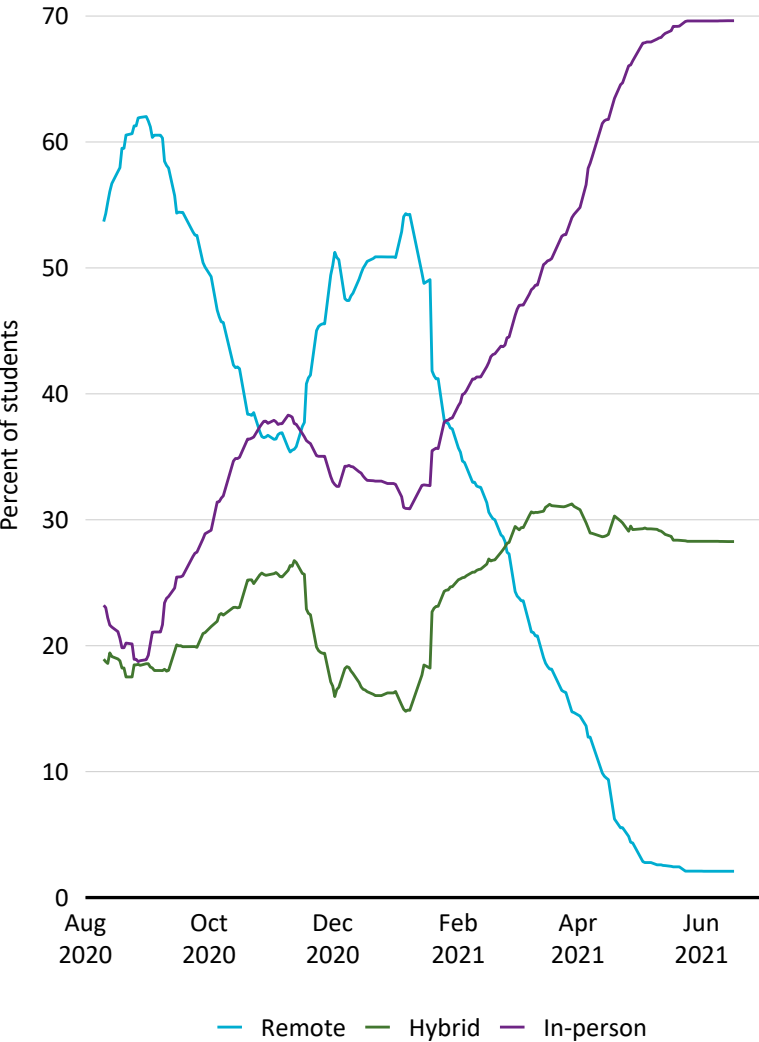
Figure 7.
Timing of Census and Fiserv Consumer Spending Data Releases for Percent Change in Retail Spending, March 2020-December 2021



Source: Census Bureau (2020-2021); Fiserv (2020-2021)
Note: Bars indicate the week at which stimulus payment direct deposits commenced. Physical checks continued to be dispersed for 3-4 weeks after these dates.

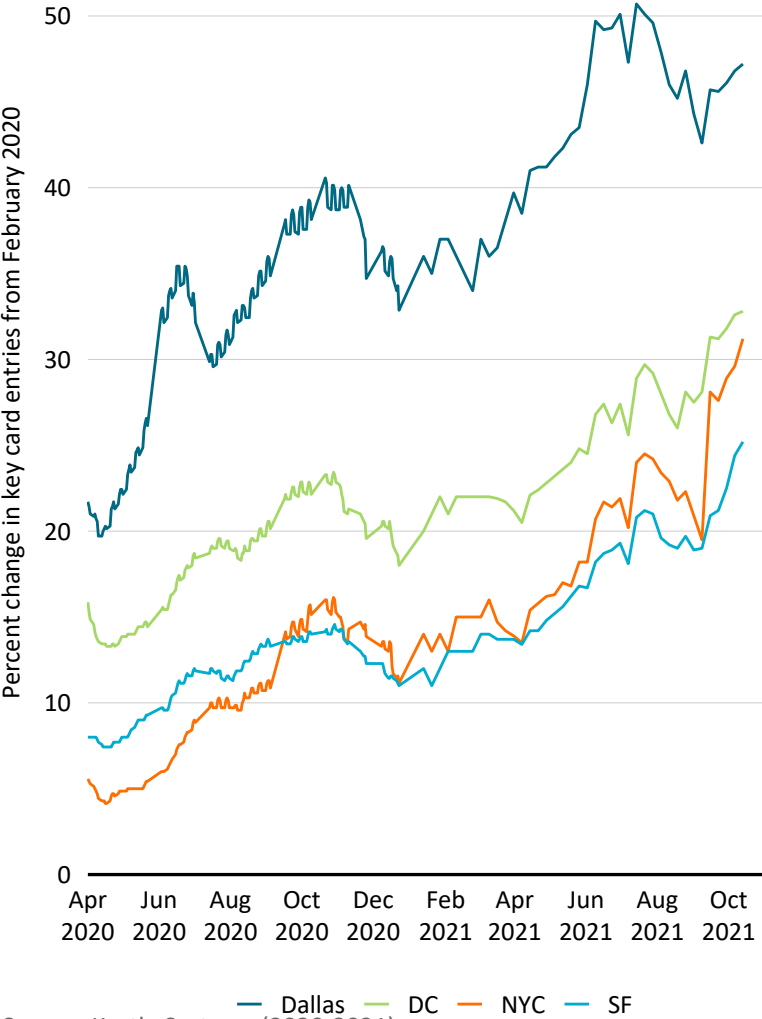
Figure 8. Surveyed School Instruction Mode and Keycard Office Entries, 2020-21

Figure 8a.
Distribution of Students by School Instruction Modes,
August 2020-June 2021



Source: Burbio (2020-2021)
Note: The sample is students in public K-12 schools.

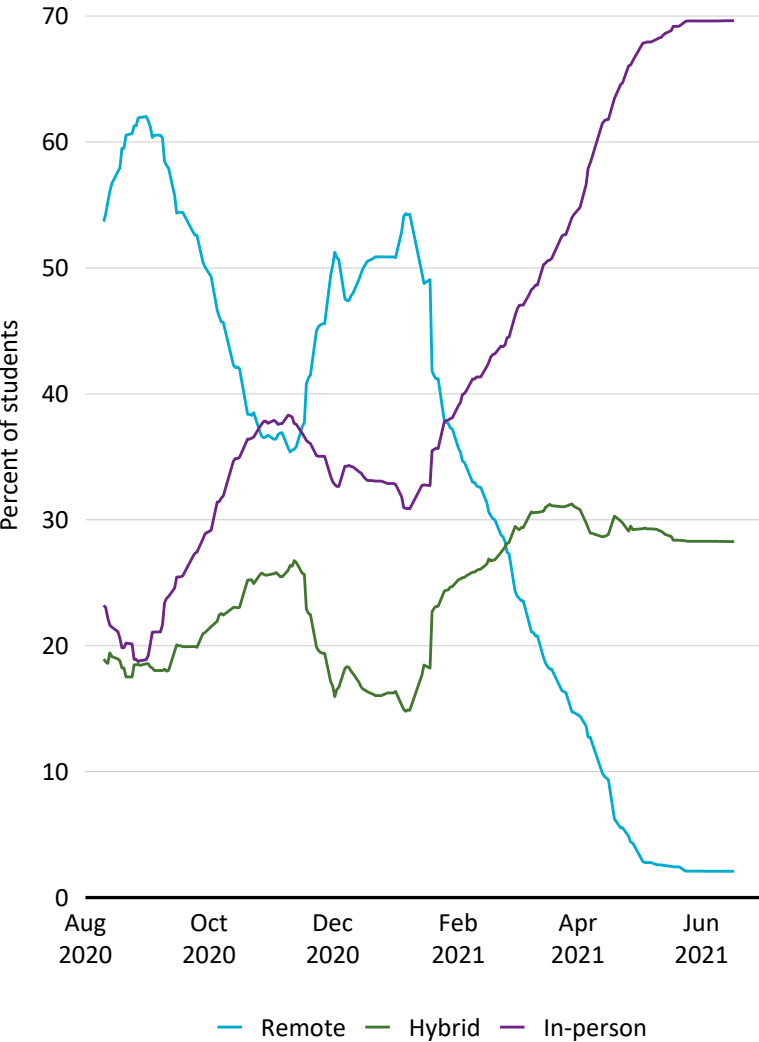
Figure 8b.
Kastle Key Card Office Building Entries, April 2020-October 2021



Source: Kastle Systems (2020-2021)
Note: Based on employee key card entries into office buildings.
7-day average through Jan. 6, 2021 and weekly readings thereafter.

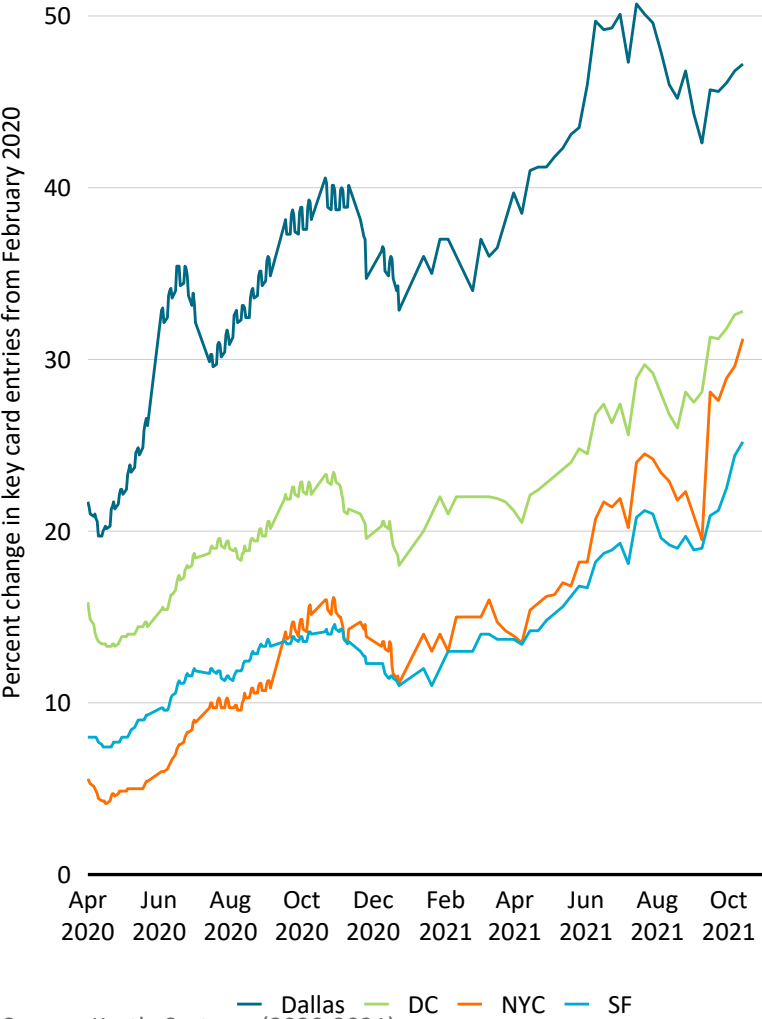
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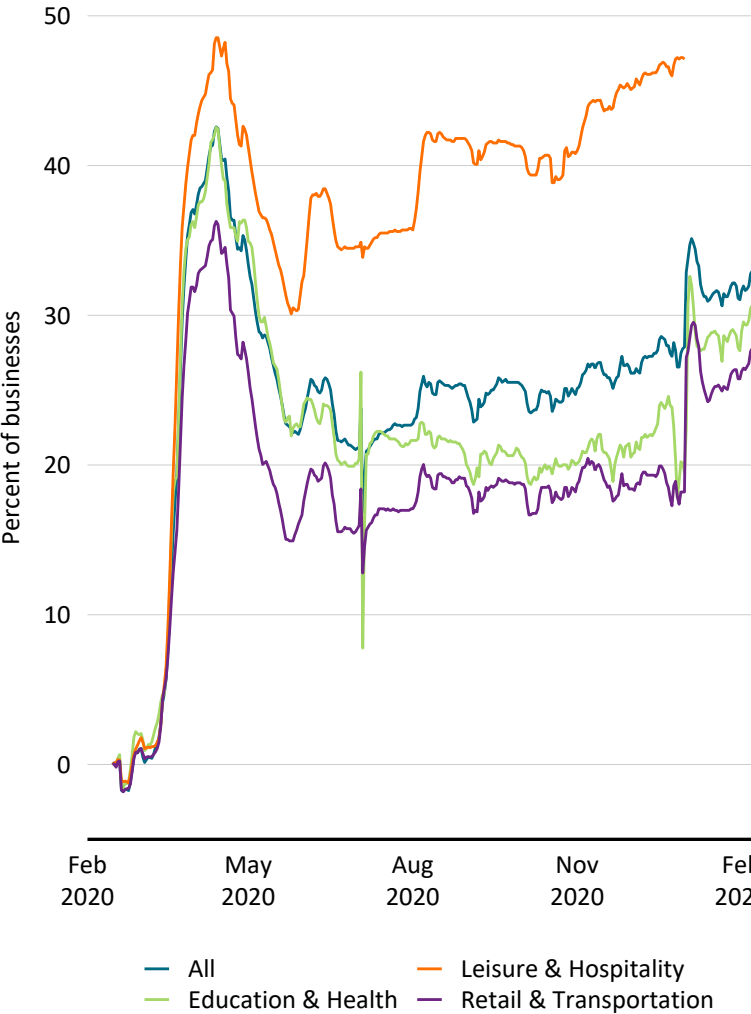
Figure 9.
OpenTable Reservations and BLS Leisure and Hospitality Employment, June 2020-September 2021



Source: BLS (2020-2021); OpenTable (2020-2021)

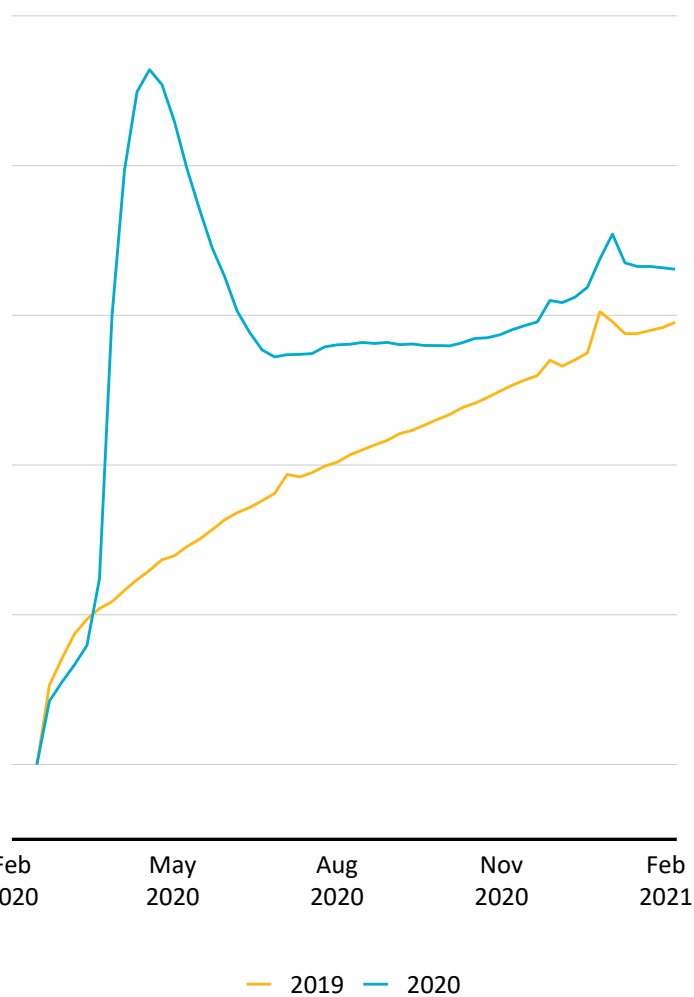
Figure 10.
Business Transactions and Firm Clock-Ins, February 2020-February 2021

Figure 10a.
Share of Firms with No Transactions



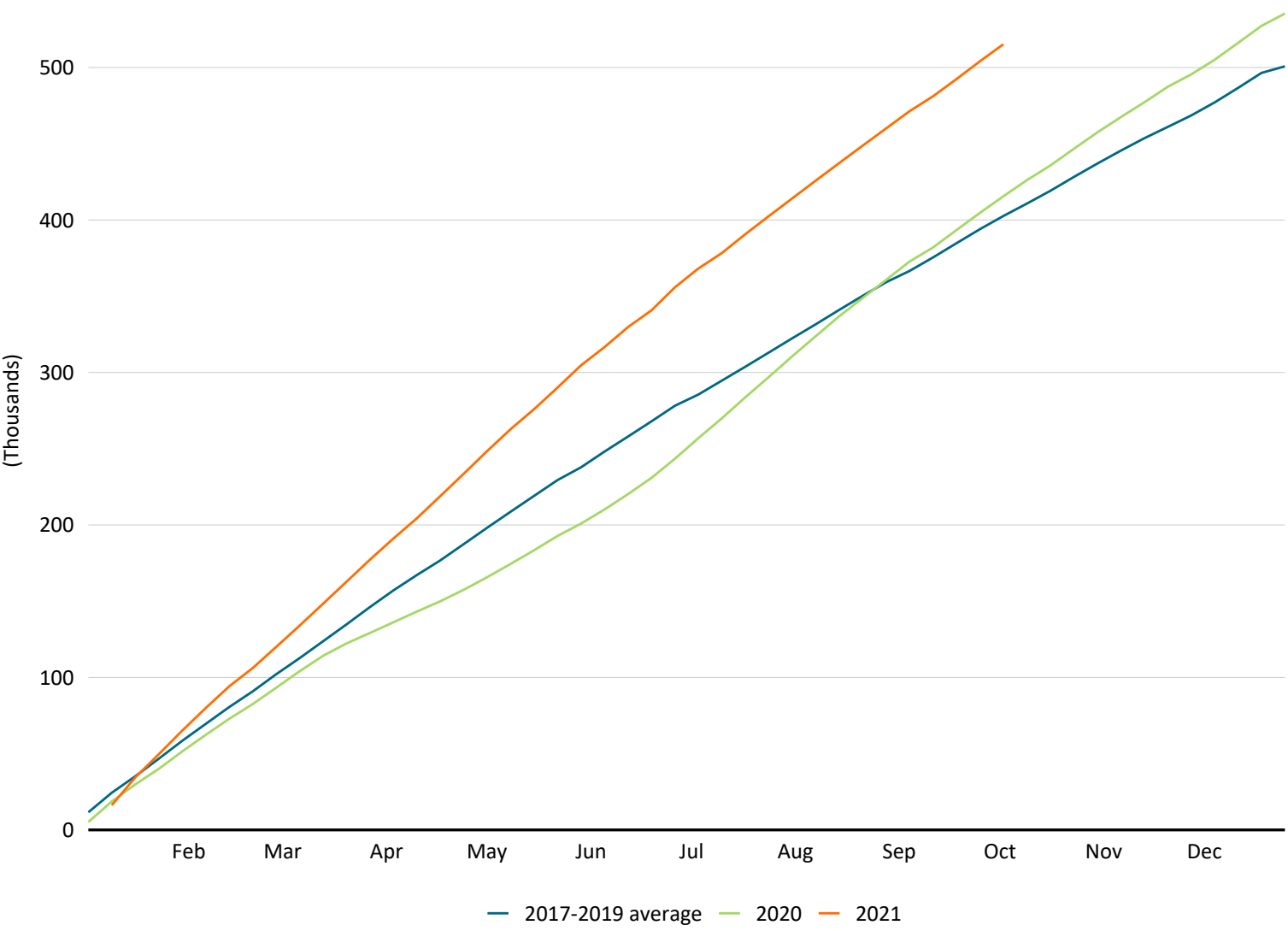
Source: Womply (Opportunity Insights; 2020-2021).
Note: The sample is limited to firms with a transaction on February 15, 2020.

Figure 10b.
Share of Firms with No Clock-Ins



Source: Homebase (2020-2021)
Note: The sample is limited to firms with a clock-in on February 15, 2020.

Figure 11.
Cumulative New Business Applications, Select Years



Source: Census Bureau (2017-2021).
Note: The business applications are limited to those that are likely payroll hiring firms.