

United States April 11, 2020

Mobility changes

Google prepared this report to help you and public health officials understand responses to social distancing guidance related to COVID-19. This report shouldn't be used for medical diagnostic, prognostic, or treatment purposes. It also isn't intended to be used for guidance on personal travel plans.

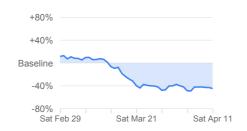
Location accuracy and the understanding of categorized places varies from region to region, so we don't recommend using this data to compare changes between countries, or between regions with different characteristics (e.g. rural versus urban areas).

We'll leave a region out of the report if we don't have statistically significant levels of data. To learn how we calculate these trends and preserve privacy, read About this data.

Retail & recreation

-45%

compared to baseline

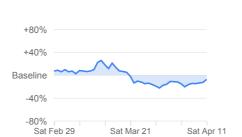


Mobility trends for places like restaurants, cafes, shopping centers, theme parks, museums, libraries, and movie theaters.

Grocery & pharmacy

-7%

compared to baseline

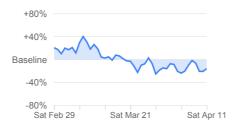


Mobility trends for places like grocery markets, food warehouses, farmers markets, specialty food shops, drug stores, and pharmacies.

Parks

-16%

compared to baseline



Mobility trends for places like national parks, public beaches, marinas, dog parks, plazas, and public gardens.

Transit stations

-49%

compared to baseline

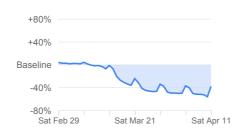


Mobility trends for places like public transport hubs such as subway, bus, and train stations.

Workplaces

-38%

compared to baseline

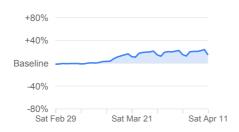


Mobility trends for places of work.

Residential

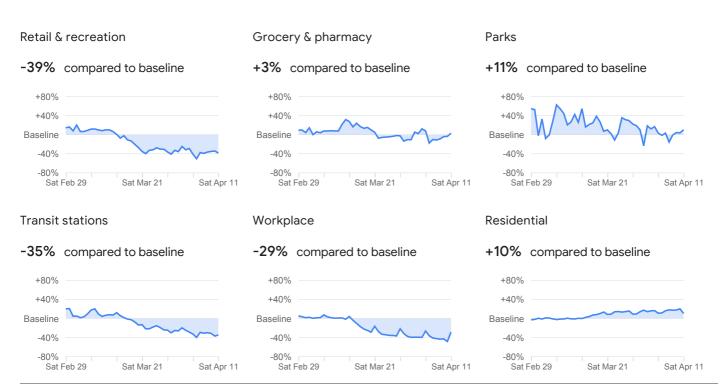
+14%

compared to baseline



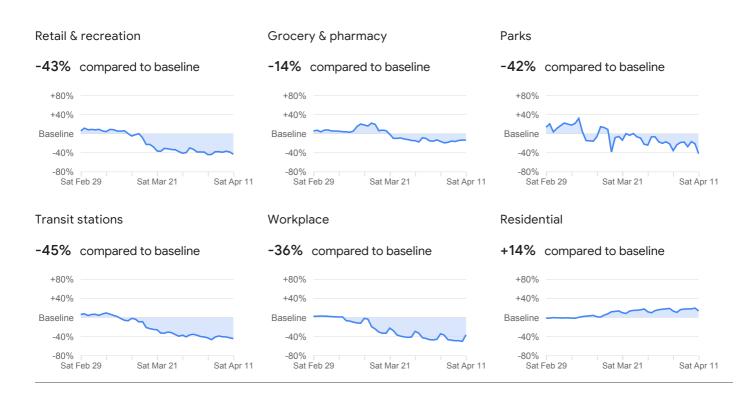
Mobility trends for places of residence.

Alabama

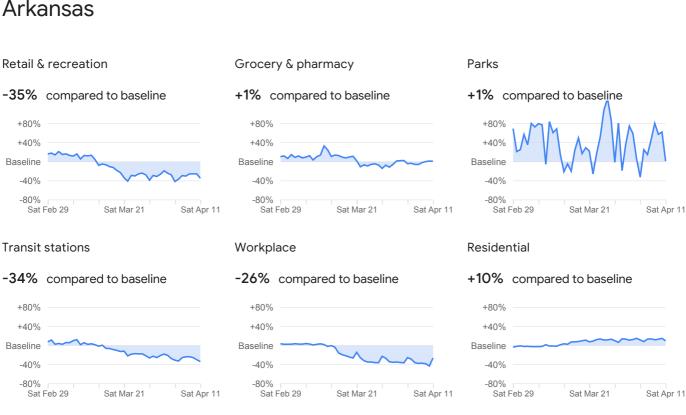




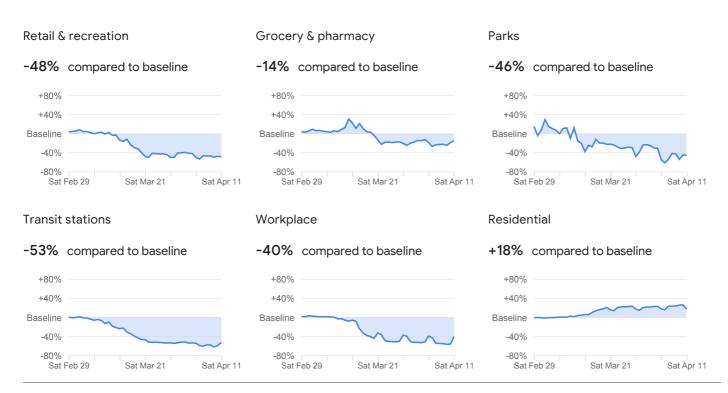
Arizona

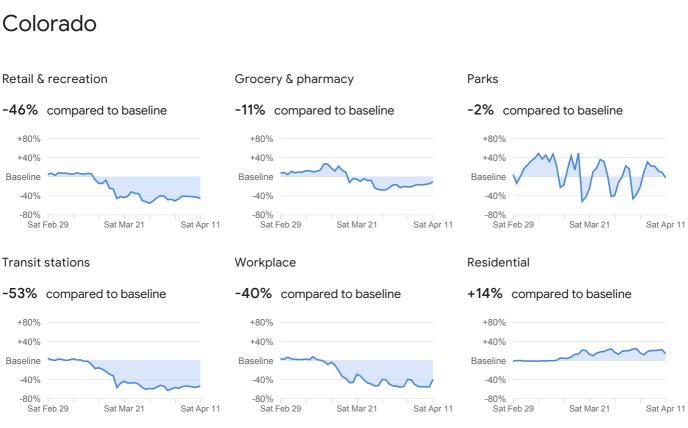


Arkansas

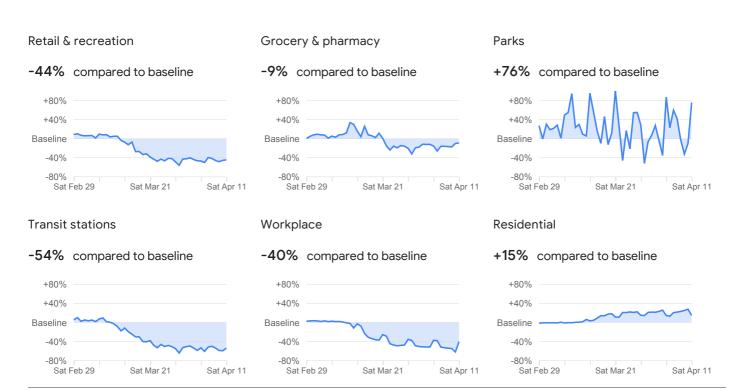


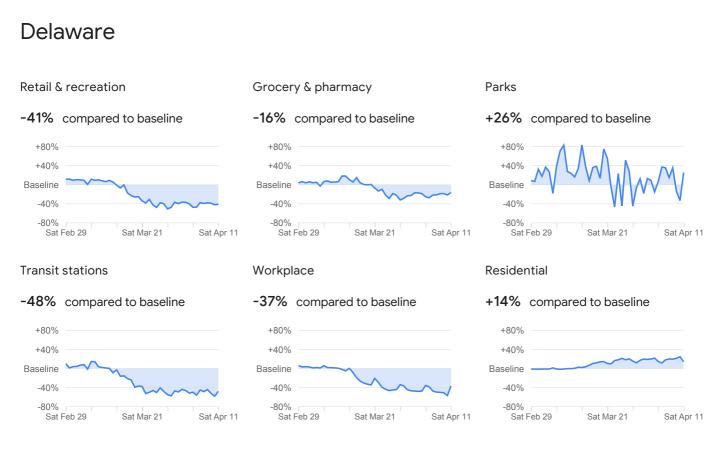
California



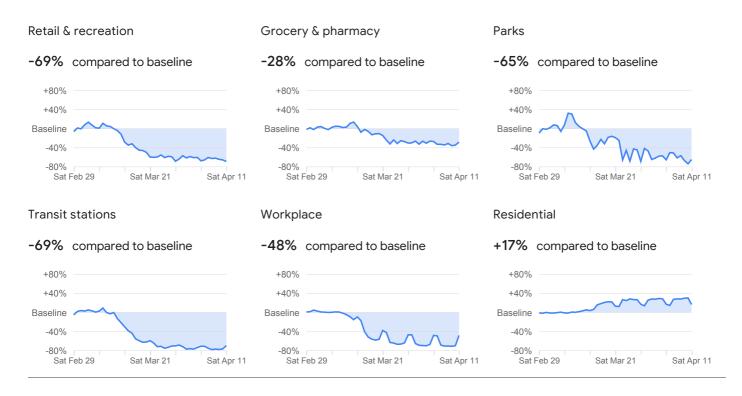


Connecticut

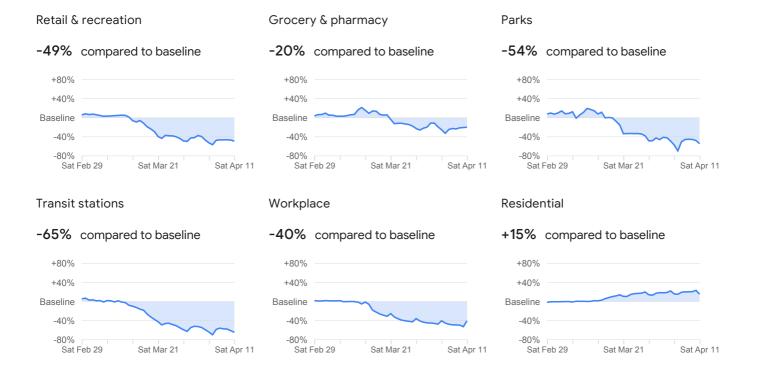




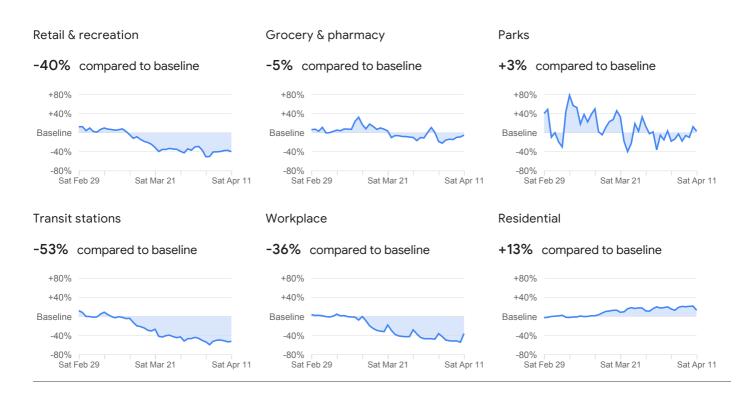
District of Columbia



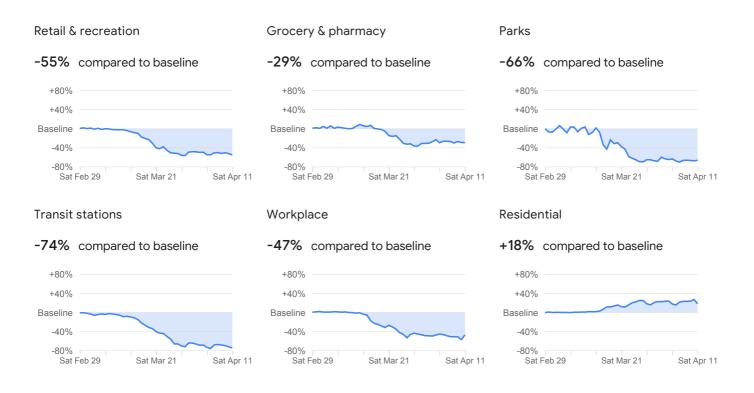
Florida



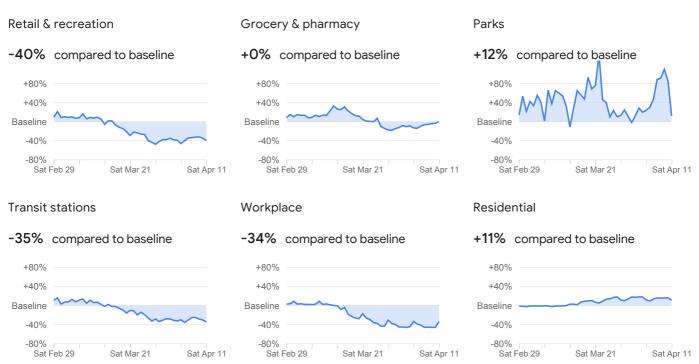
Georgia

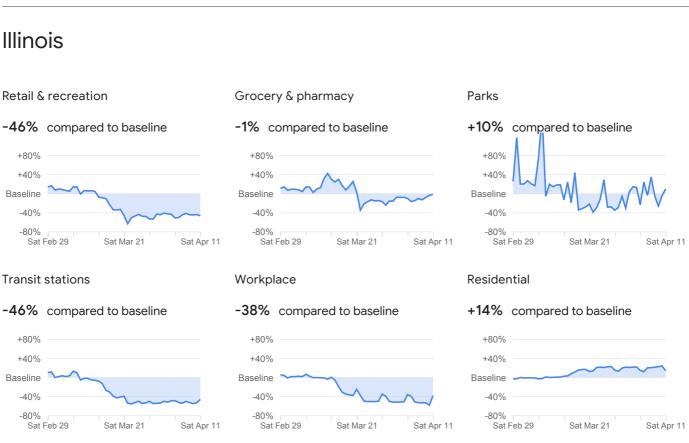


Hawaii

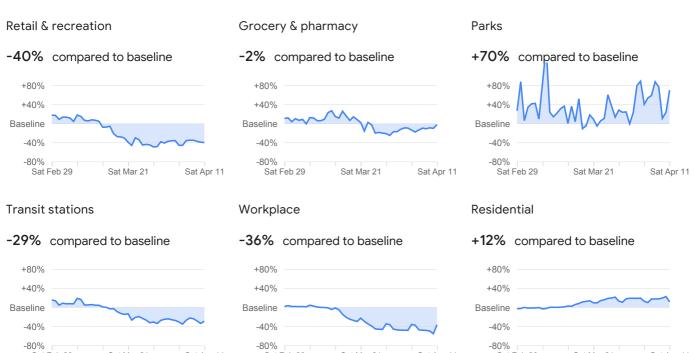


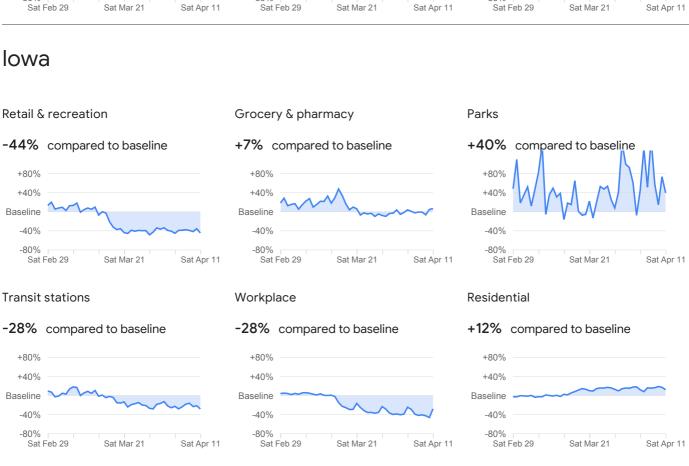
Idaho



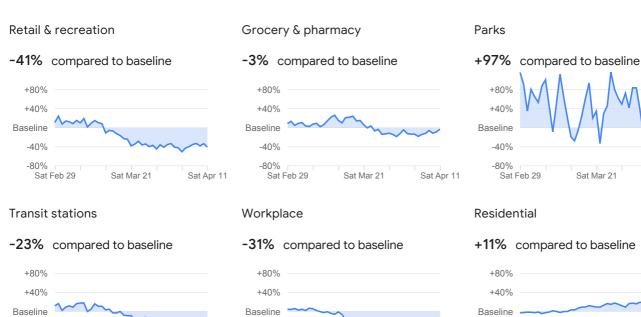


Indiana

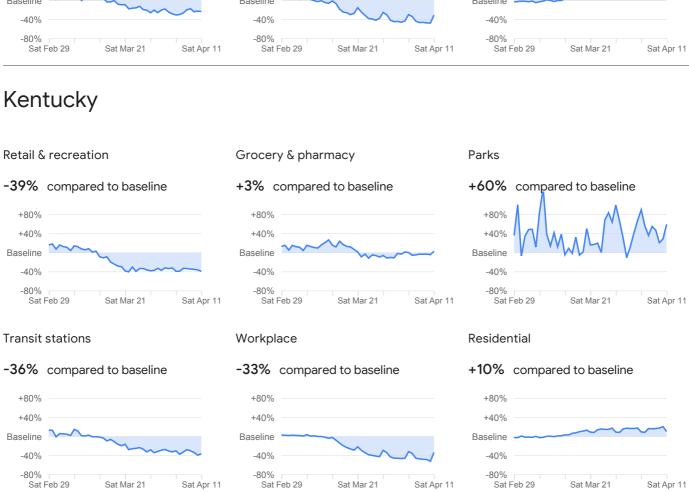




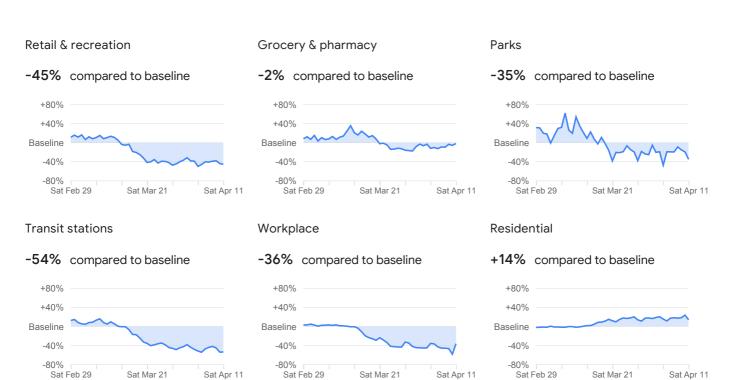
Kansas

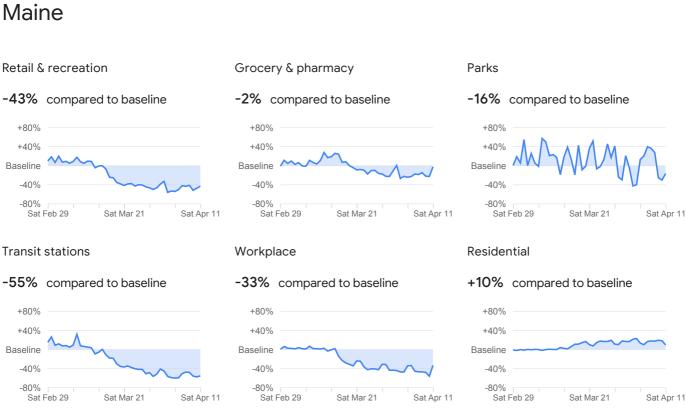


Sat Apr 11

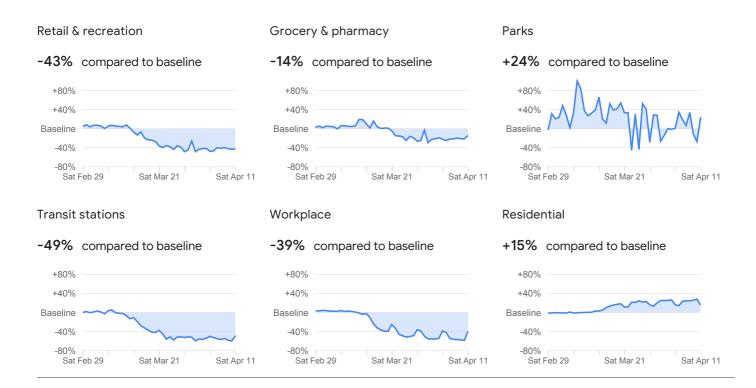


Louisiana

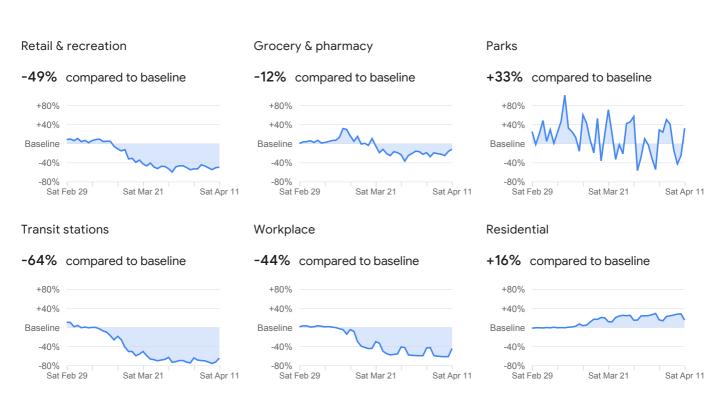




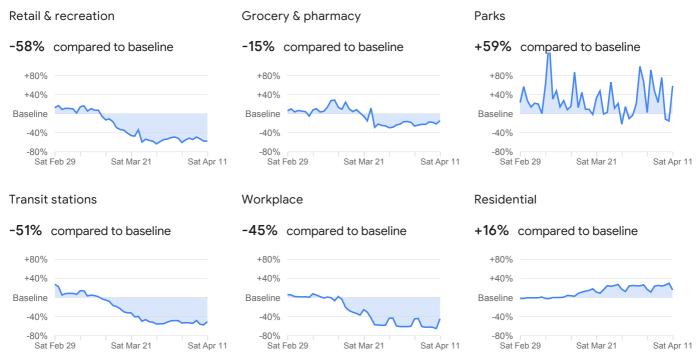
Maryland

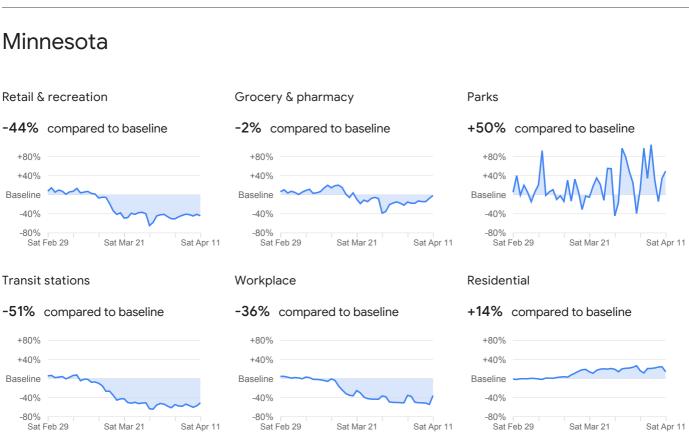


Massachusetts

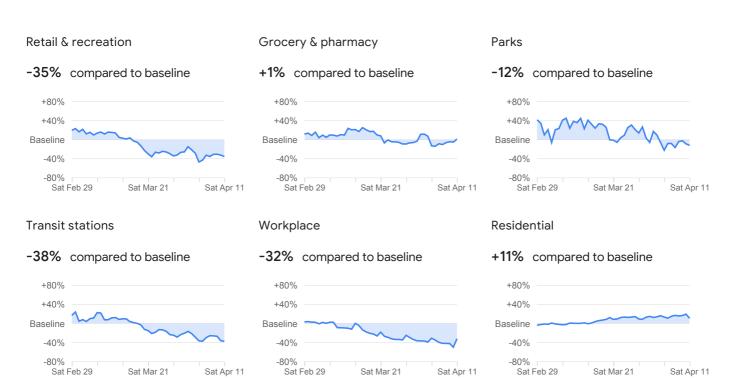


Michigan

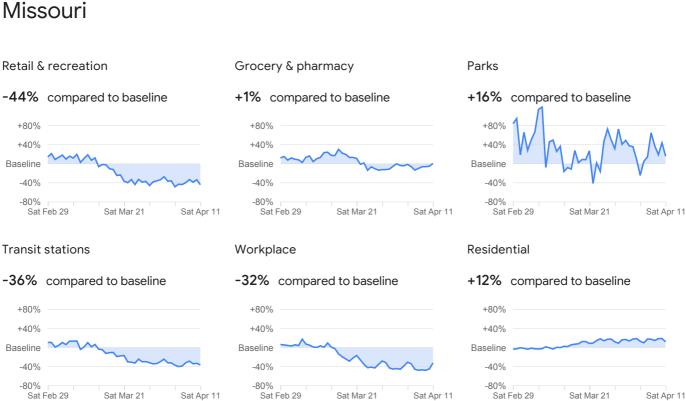




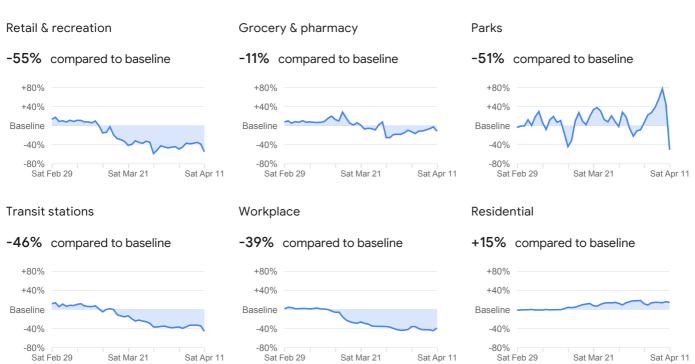
Mississippi

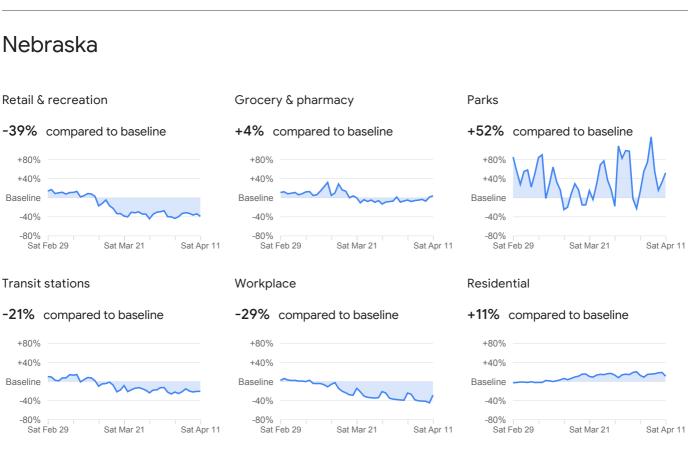


Missouri

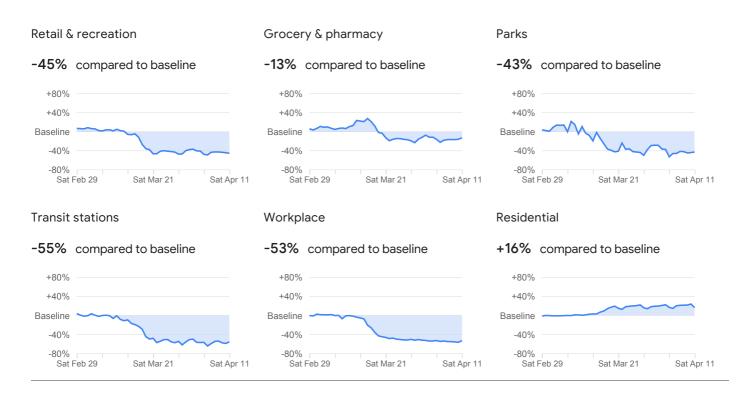


Montana

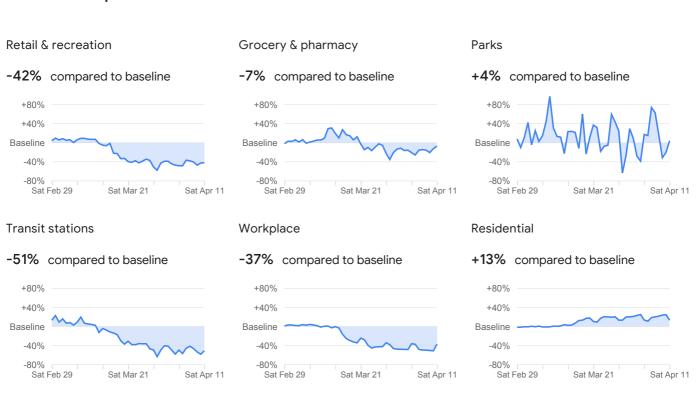




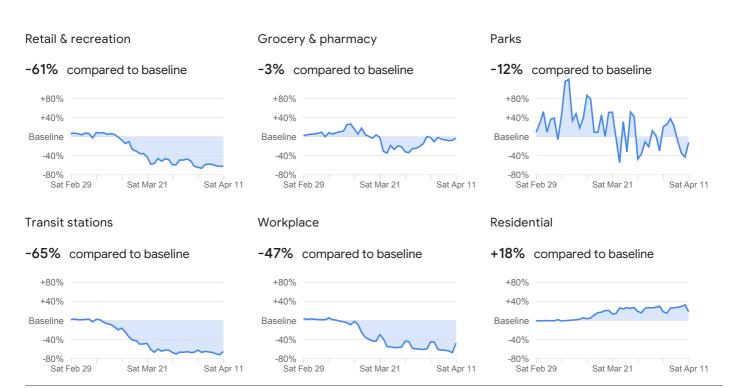
Nevada

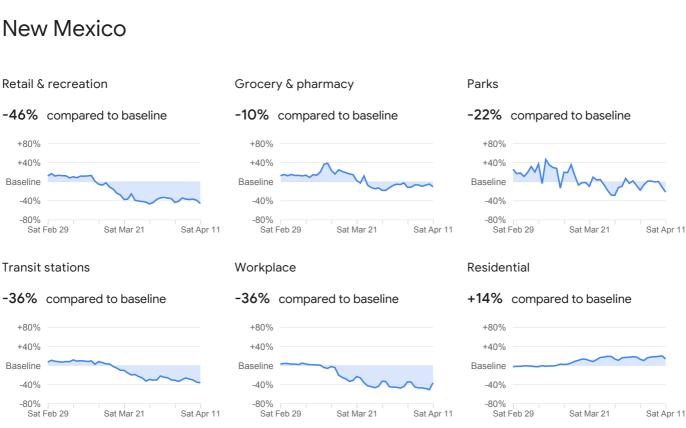


New Hampshire

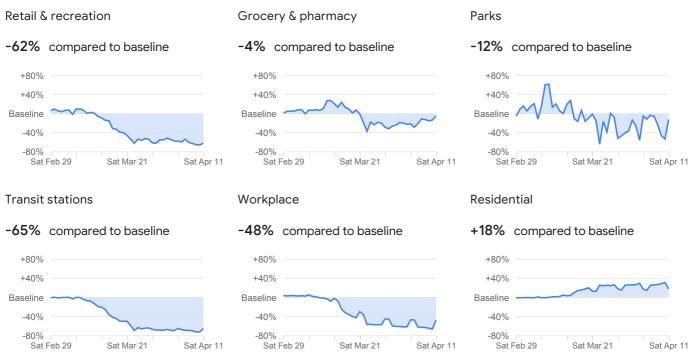


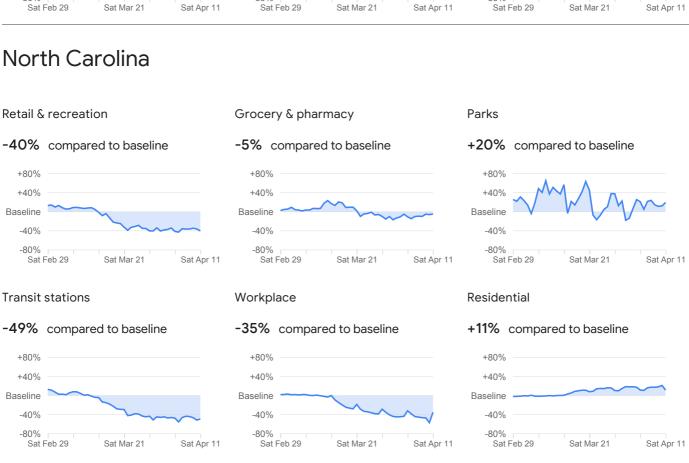
New Jersey





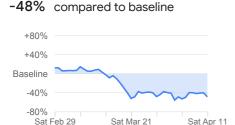
New York



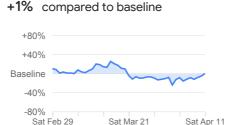


North Dakota

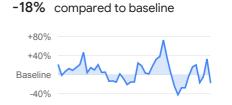
Retail & recreation



Grocery & pharmacy



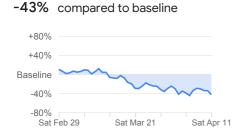
Parks



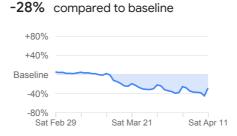
Sat Mar 21

Sat Apr 11

Transit stations



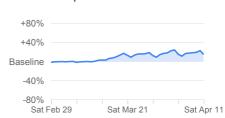
Workplace



Residential

-80%

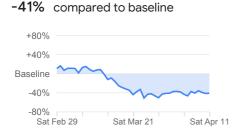
Sat Feb 29



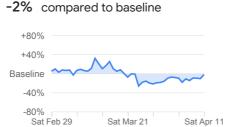
+15% compared to baseline

Ohio

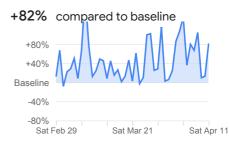
Retail & recreation



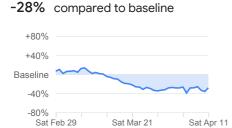
Grocery & pharmacy



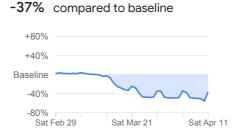
Parks



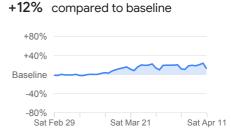
Transit stations



Workplace

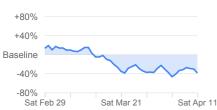


Residential



Oklahoma

Retail & recreation -38% compared to baseline

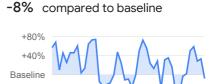


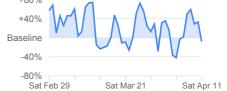
Grocery & pharmacy

-1% compared to baseline +80% +40% Baseline -40%

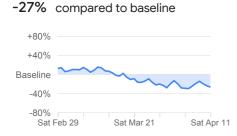
Sat Mar 21

Parks





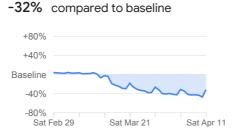
Transit stations



Workplace

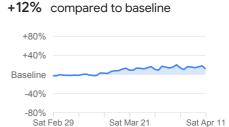
-80%

Sat Feb 29

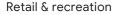


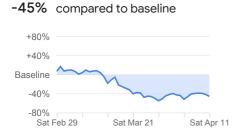
Residential

Sat Apr 11

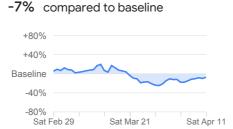


Oregon

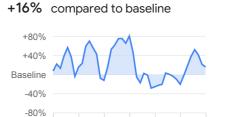




Grocery & pharmacy



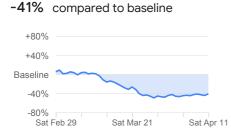
Parks



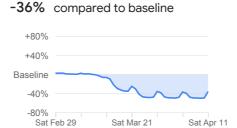
Sat Mar 21

Sat Apr 11

Transit stations

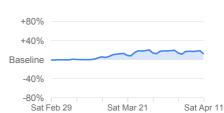


Workplace



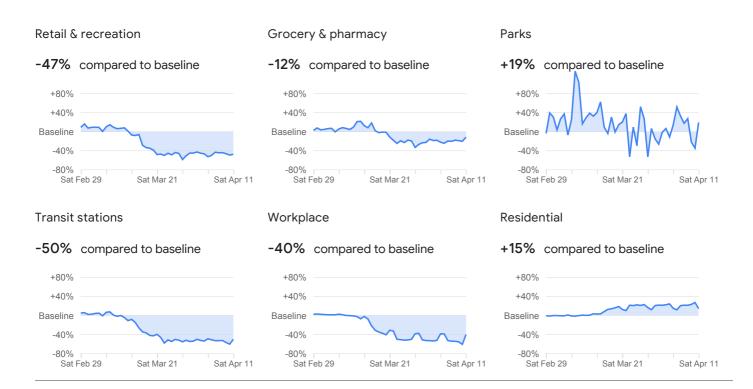
Residential

Sat Feb 29

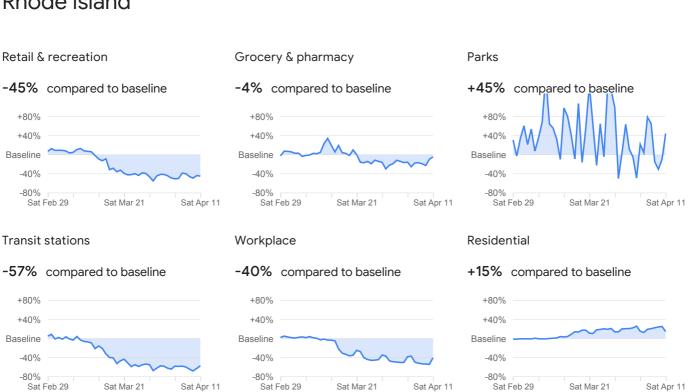


+12% compared to baseline

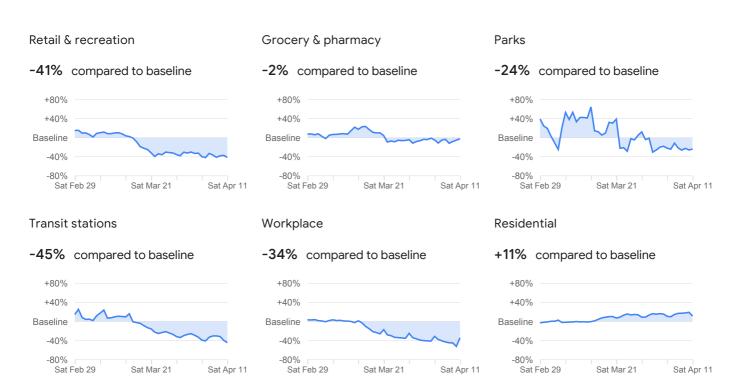
Pennsylvania



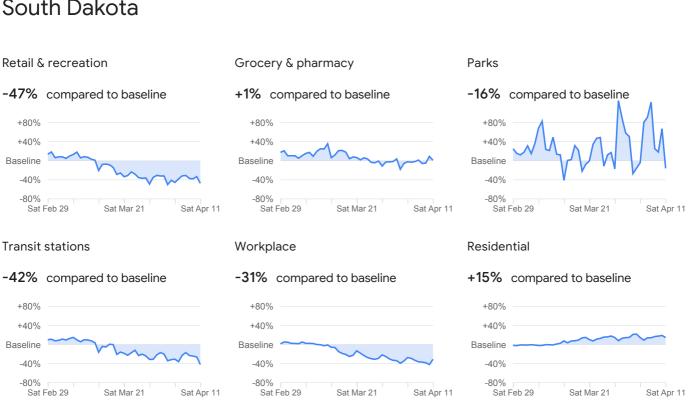
Rhode Island



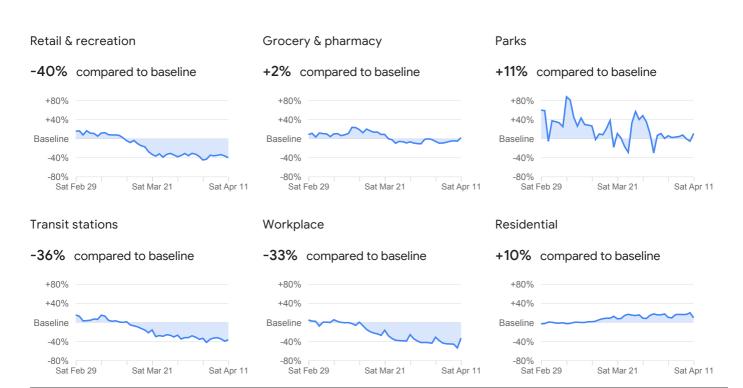
South Carolina

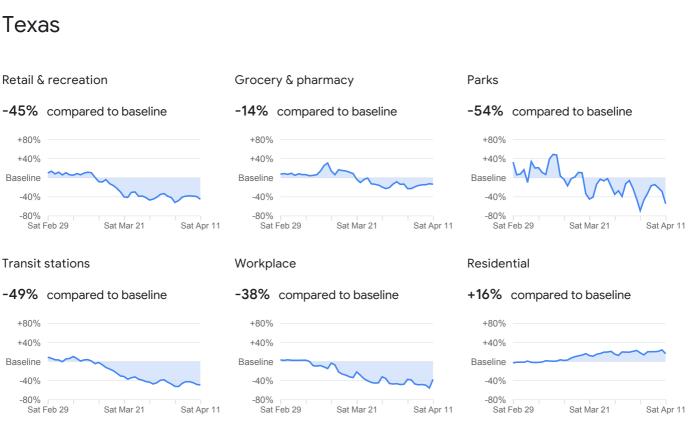


South Dakota

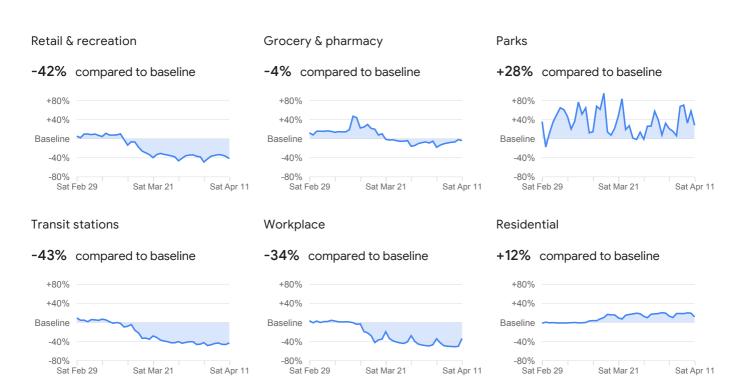


Tennessee

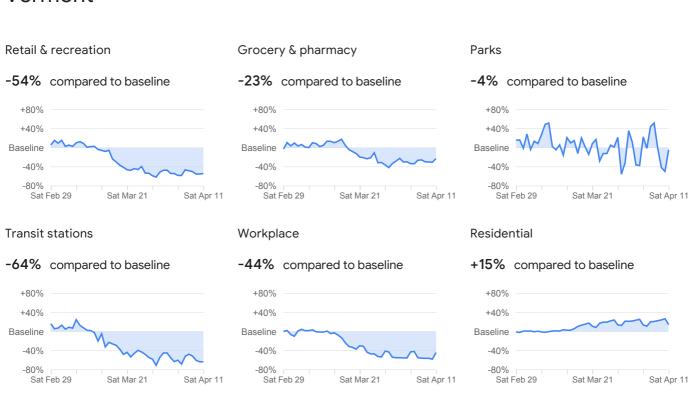




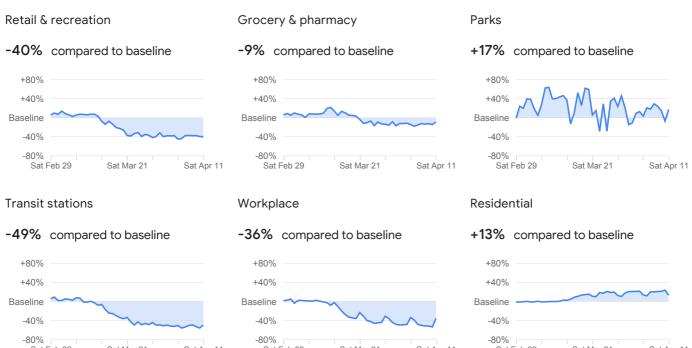
Utah

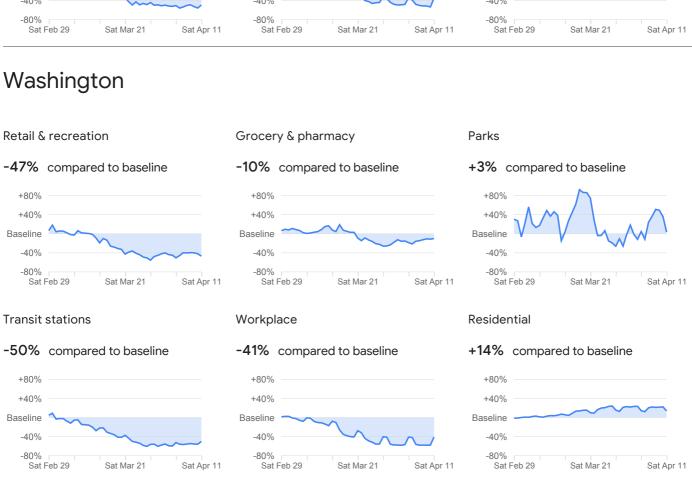


Vermont

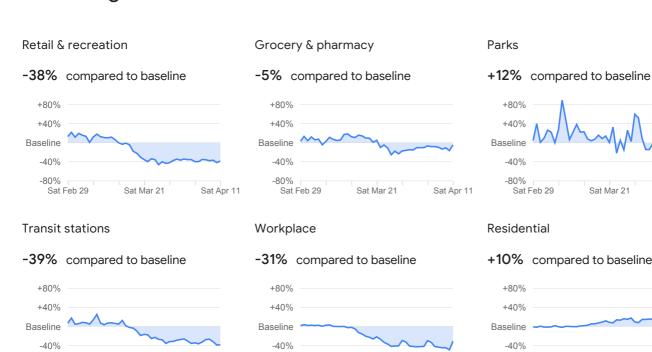


Virginia





West Virginia



-80%

Sat Feb 29

Sat Apr 11

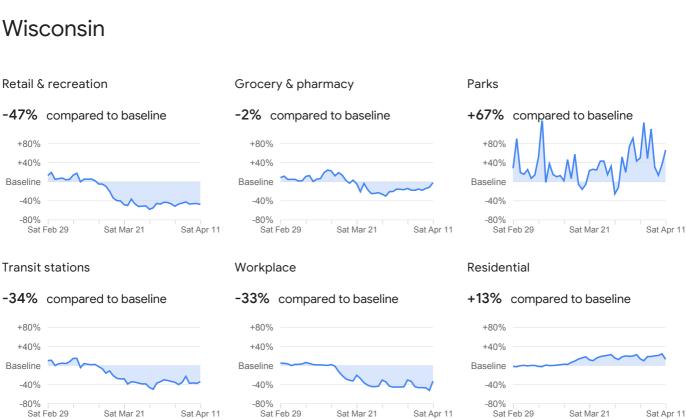
Sat Apr 11

Sat Apr 11

Sat Feb 29

Sat Mar 21

-80%



Sat Mar 21

-80%

Sat Feb 29

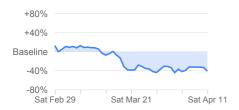
Sat Mar 21

Sat Apr 11

Wyoming

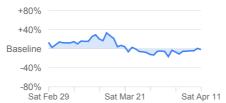
Retail & recreation

-41% compared to baseline



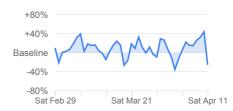
Grocery & pharmacy

-2% compared to baseline



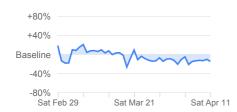
Parks

-25% compared to baseline



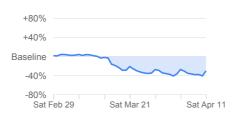
Transit stations

-15% compared to baseline



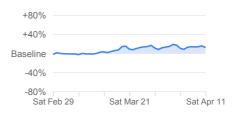
Workplace

-30% compared to baseline



Residential

+12% compared to baseline



About this data

These reports show how visits and length of stay at different places change compared to a baseline. We calculate these changes using the same kind of aggregated and anonymized data used to show popular times for places in Google Maps.

Changes for each day are compared to a baseline value for that day of the week:

- The baseline is the *median* value, for the corresponding day of the week, during the 5-week period Jan 3-Feb 6, 2020.
- The reports show trends over several weeks with the most recent data representing approximately 2-3 days ago—this is how long it takes to produce the reports.

What data is included in the calculation depends on user settings, connectivity, and whether it meets our privacy threshold. If the privacy threshold isn't met (when somewhere isn't busy enough to ensure anonymity) we don't show a change for the day.

We include categories that are useful to social distancing efforts as well as access to essential services.

We calculate these insights based on data from users who have opted-in to Location History for their Google Account, so the data represents a sample of our users. As with all samples, this may or may not represent the exact behavior of a wider population.

Preserving privacy

These reports were developed to be helpful while adhering to our stringent privacy protocols and protecting people's privacy. No personally identifiable information, like an individual's location, contacts or movement, is made available at any point.

Insights in these reports are created with aggregated, anonymized sets of data from users who have turned on the Location History setting, which is off by default. People who have Location History turned on can choose to turn it off at any time from their Google Account and can always delete Location History data directly from their Timeline.

These reports are powered by the same world-class anonymization technology that we use in our products every day and that keep your activity data private and secure. These reports use differential privacy, which adds artificial noise to our datasets enabling high quality results without identifying any individual person. These privacy-preserving protections also ensure that the absolute number of visits isn't shared.

To get the latest report, visit google.com/covid19/mobility