

Michigan April 21, 2021

Mobility changes

This dataset is intended to help remediate the impact of COVID-19. It 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.

The data shows how visits to places, such as grocery stores and parks, are changing in each geographic region. Learn how you can use this report in your work by visiting Community Mobility Reports Help.

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

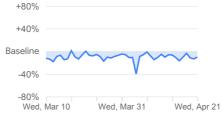
compared to baseline

+80% +40% Baseline -40% -80% Wed, Mar 10 Wed, Mar 31 Wed, Apr 21

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

Grocery & pharmacy

compared to baseline

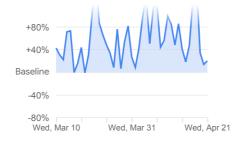


+80% +40% Baseline -40% -80% Wed. Mar 10 Wed. Mar 31 Wed. Apr 21

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

Parks

compared to baseline

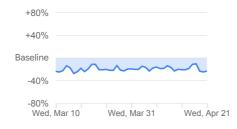


Mobility trends for places like national parks, public beaches, marinas, dog parks, plazas, and public gardens.

Transit stations

-23%

compared to baseline



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

Workplaces

-32%

compared to baseline

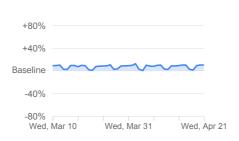


Mobility trends for places of work.

Residential

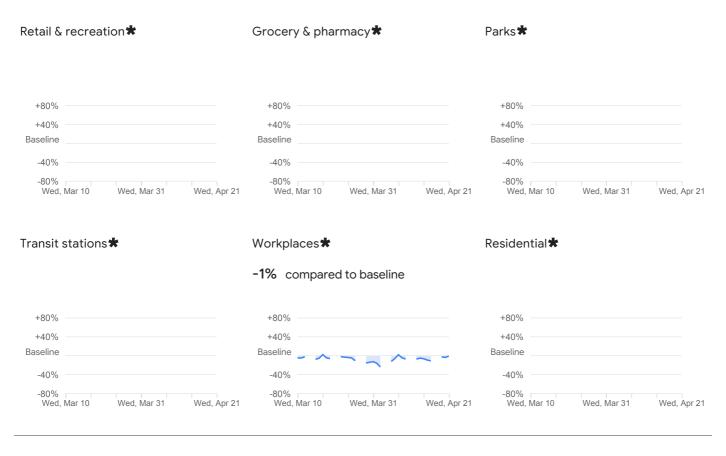
+10%

compared to baseline

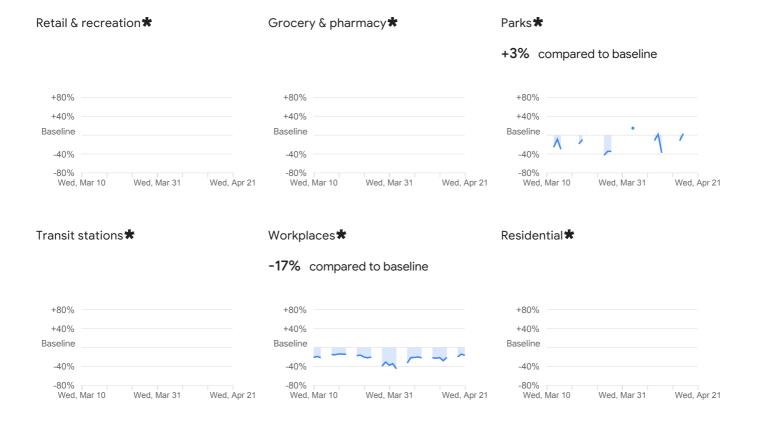


Mobility trends for places of residence.

Alcona County

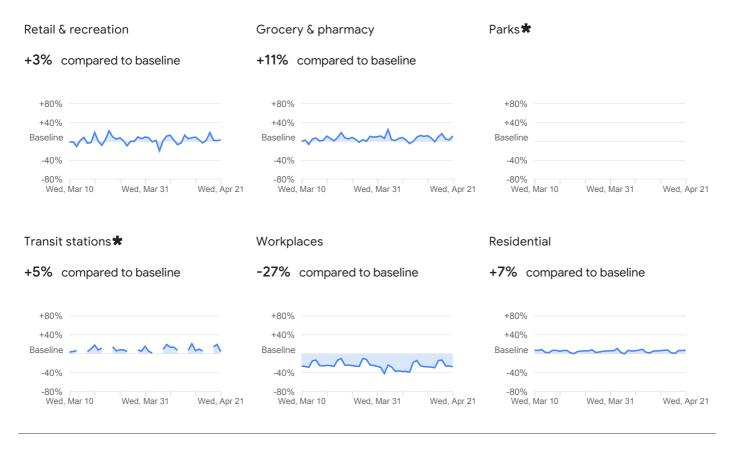


Alger County

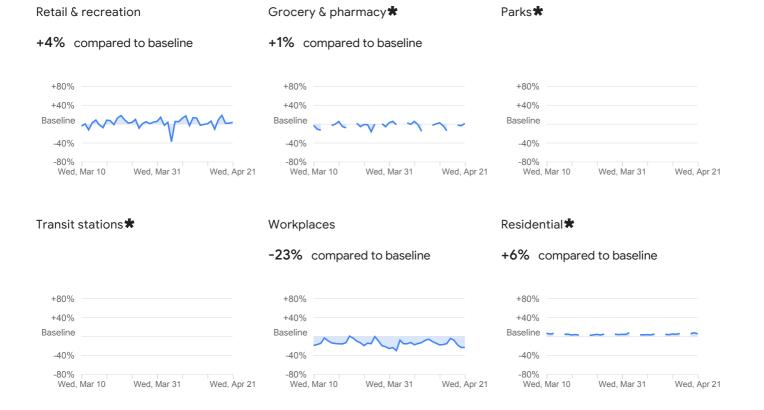


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Allegan County

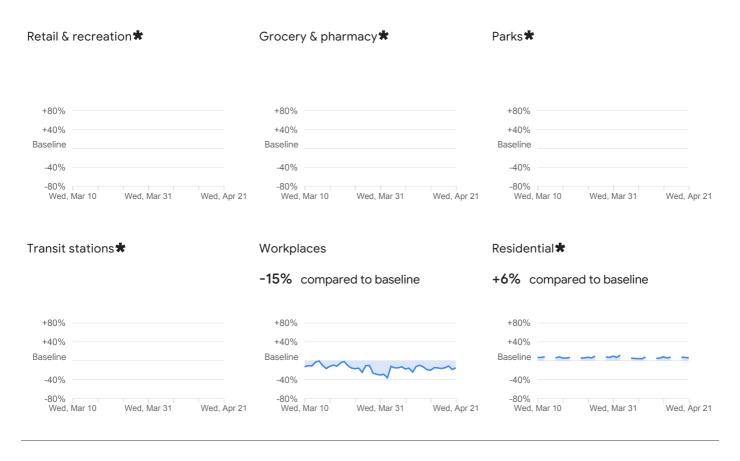


Alpena County

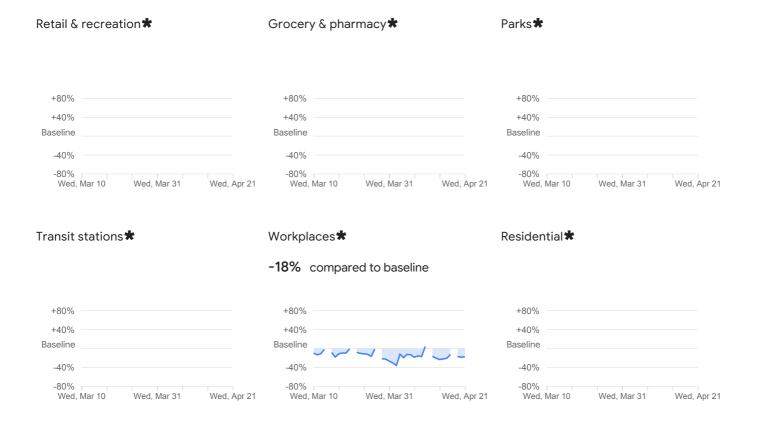


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Antrim County

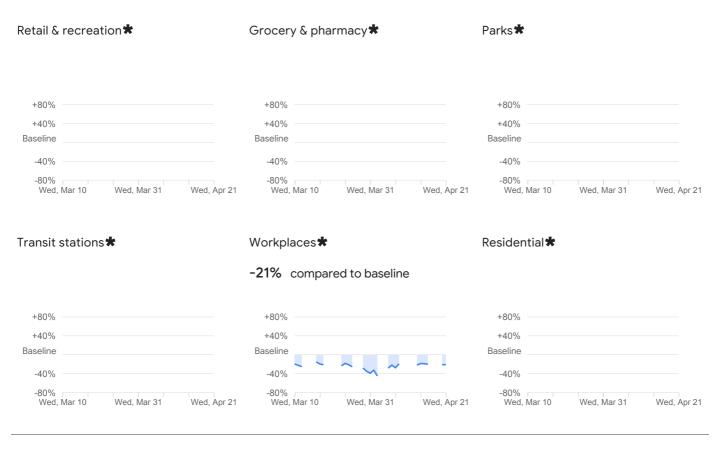


Arenac County

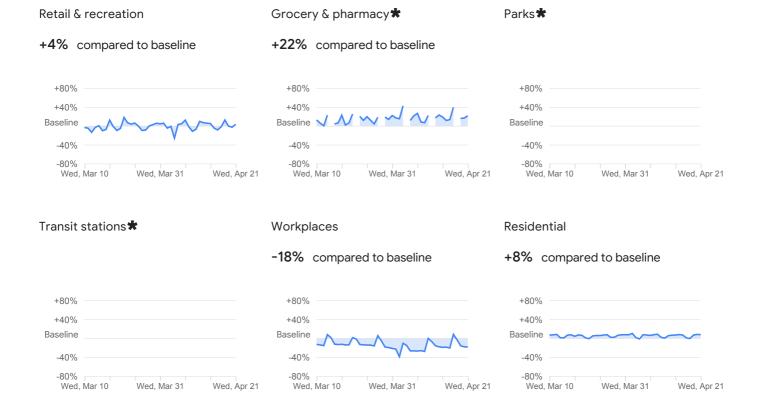


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Baraga County

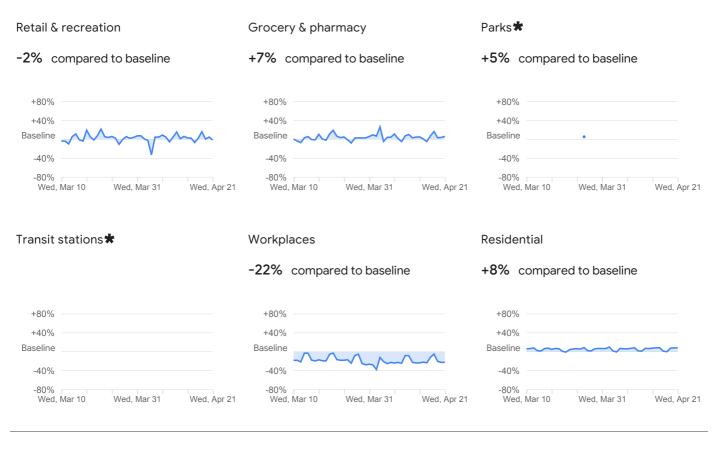


Barry County

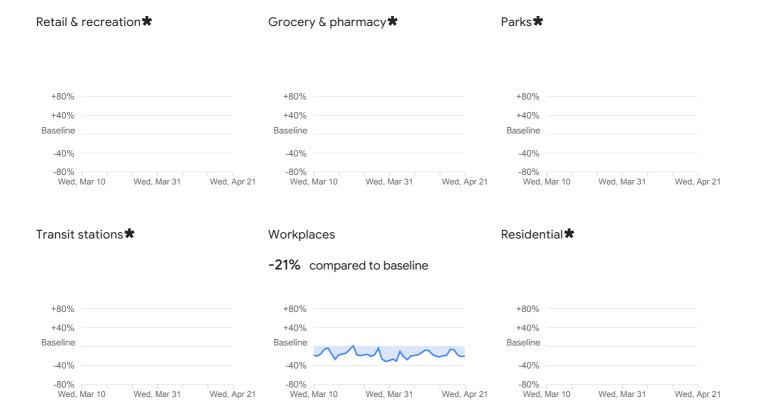


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Bay County

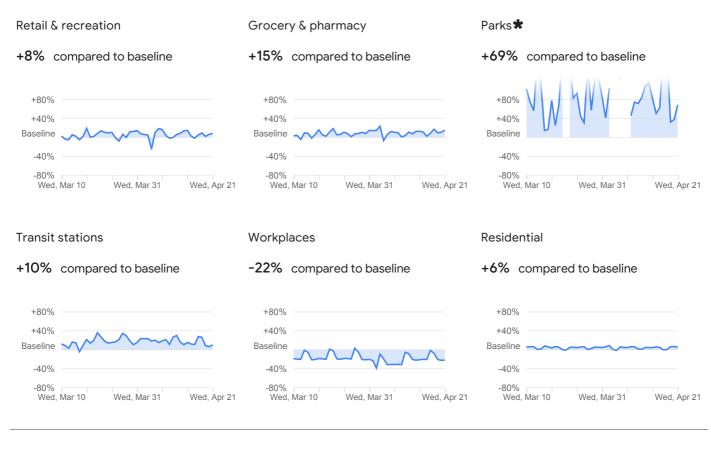


Benzie County

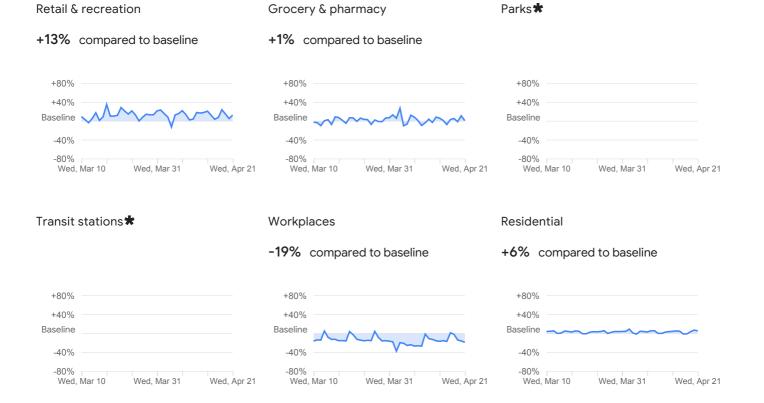


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Berrien County

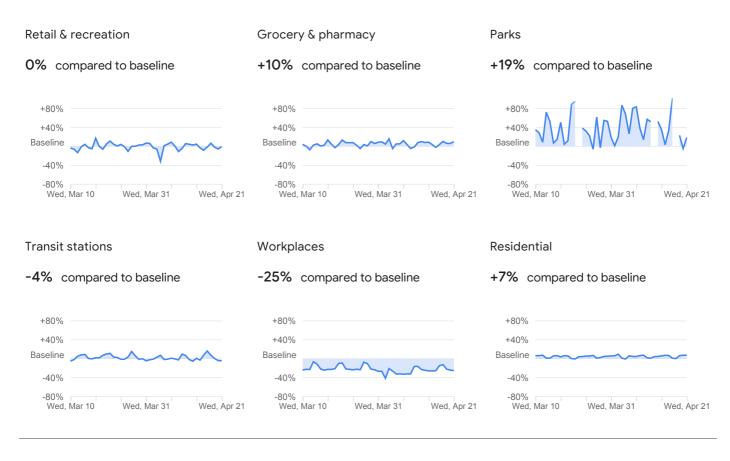


Branch County

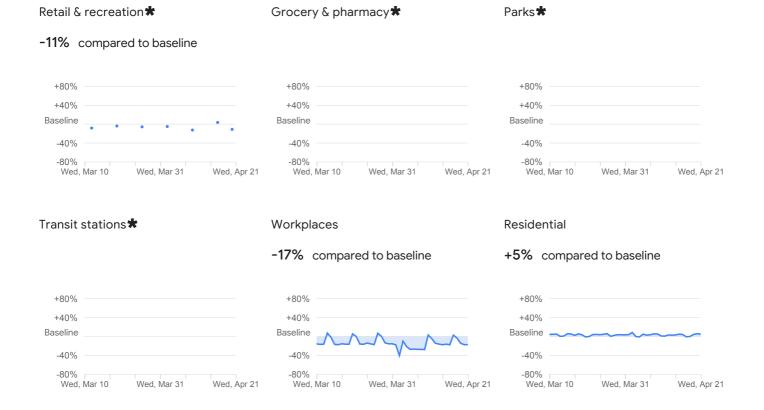


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Calhoun County

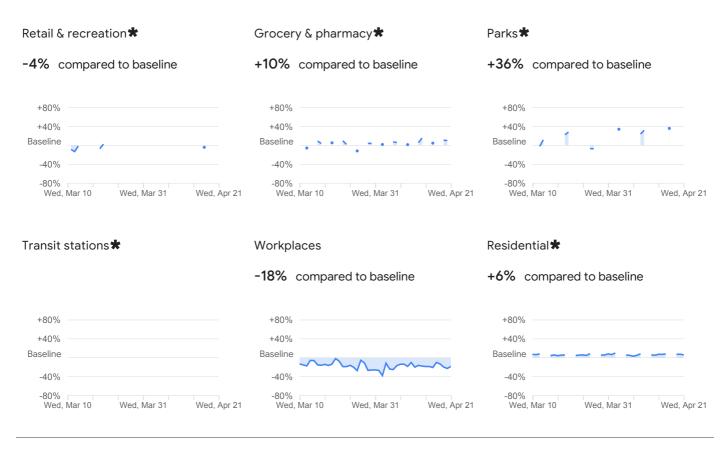


Cass County

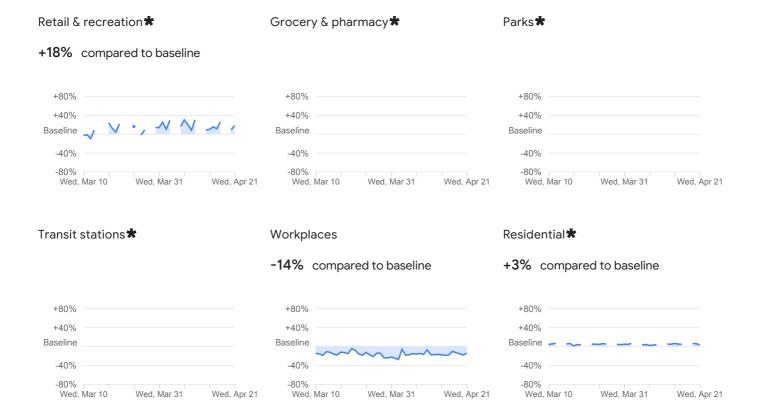


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Charlevoix County

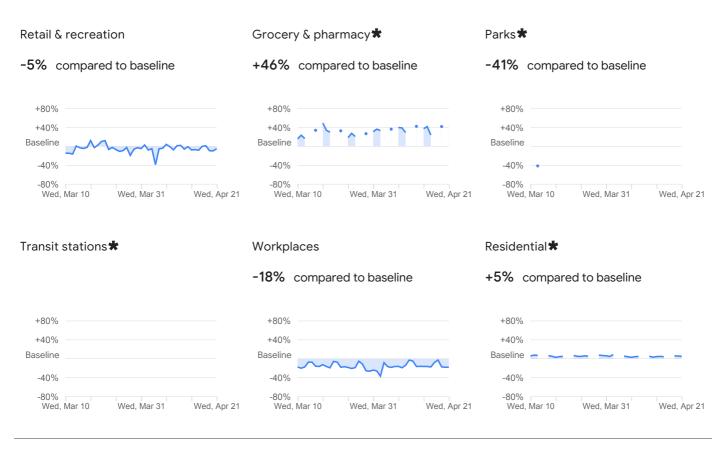


Cheboygan County

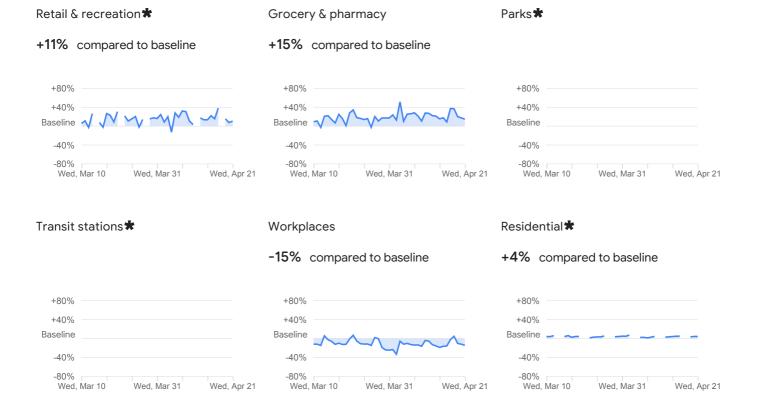


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Chippewa County

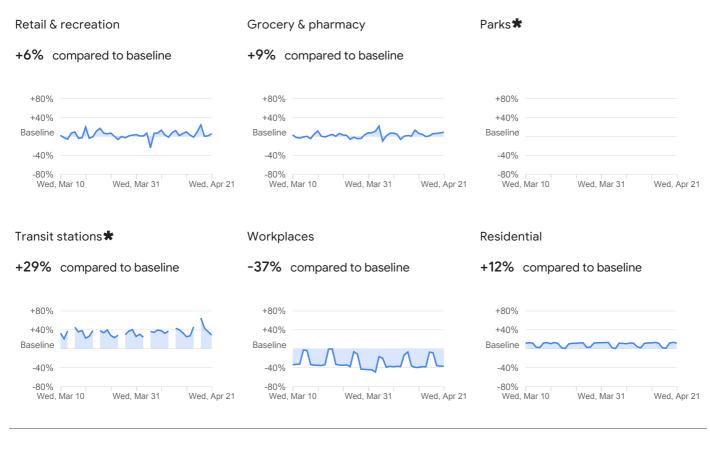


Clare County

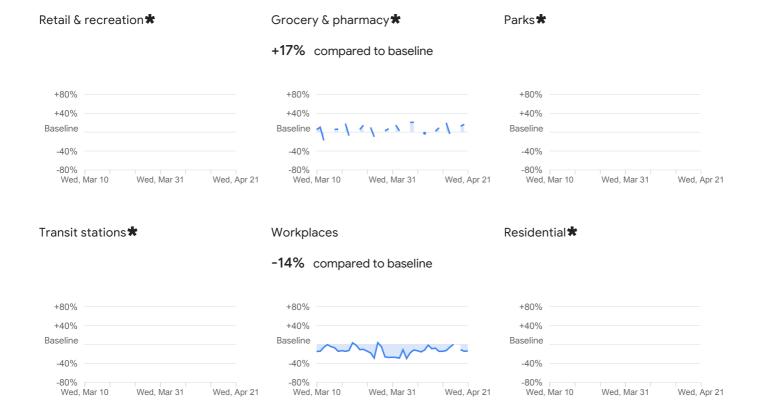


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Clinton County

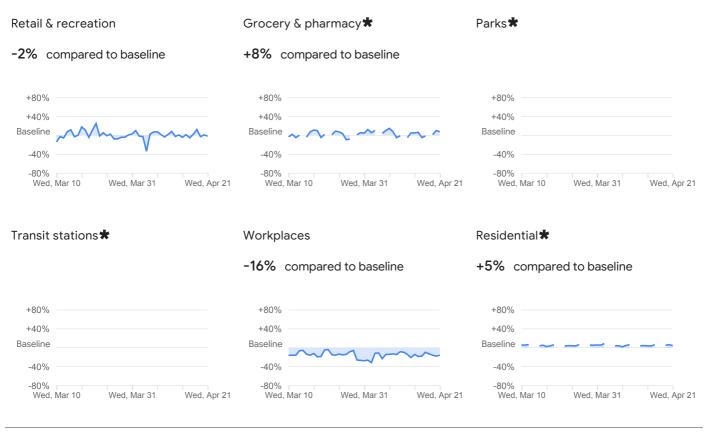


Crawford County

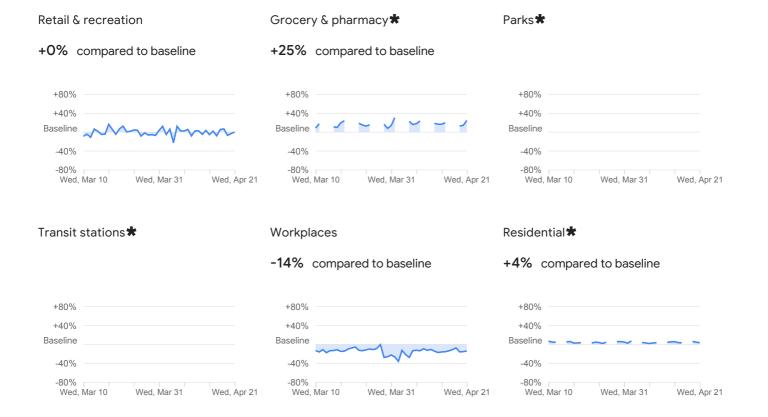


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Delta County

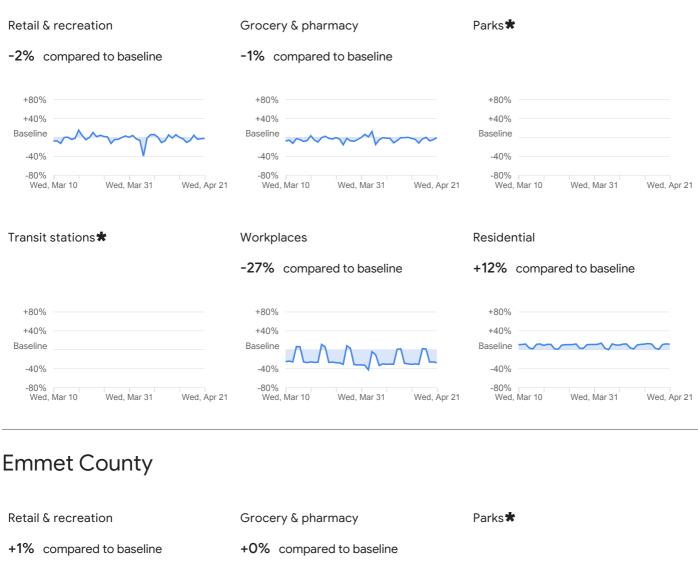


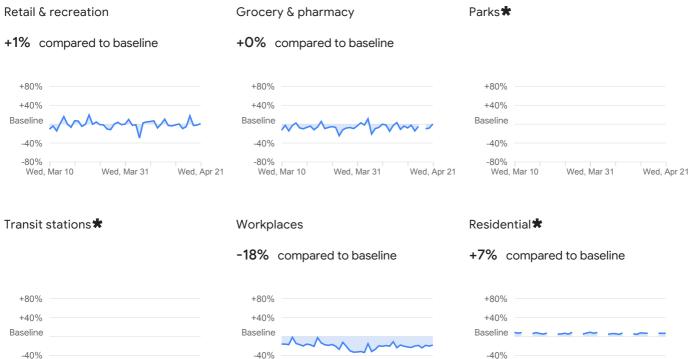
Dickinson County



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Eaton County





Wed. Mar 31

-80%

Wed. Mar 10

Wed. Apr 21

Wed, Mar 31

Wed, Apr 21

Wed, Apr 21

-80%

Wed. Mar 10

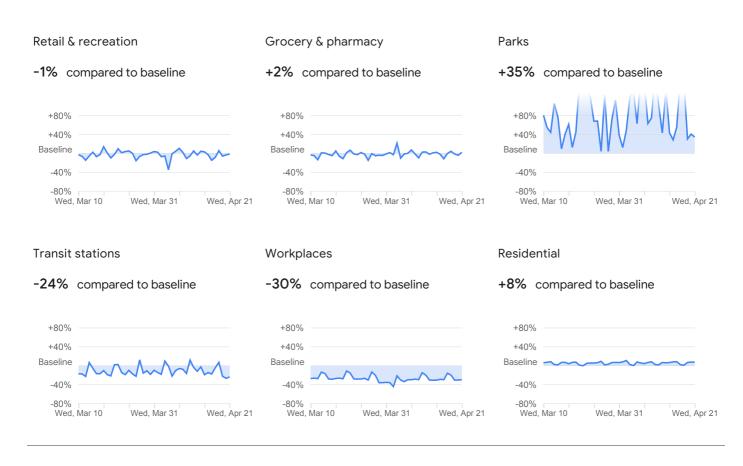
-80%

Wed. Mar 10

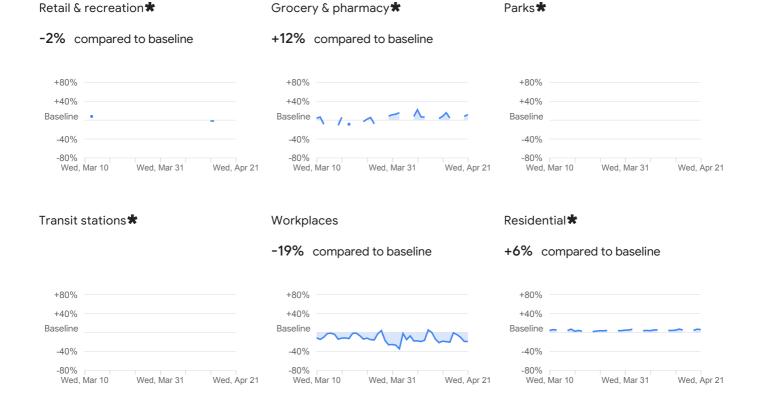
Wed, Mar 31

^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Genesee County

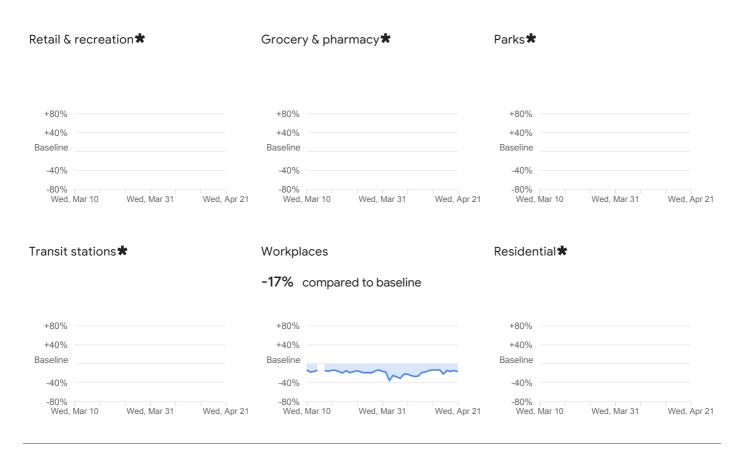


Gladwin County

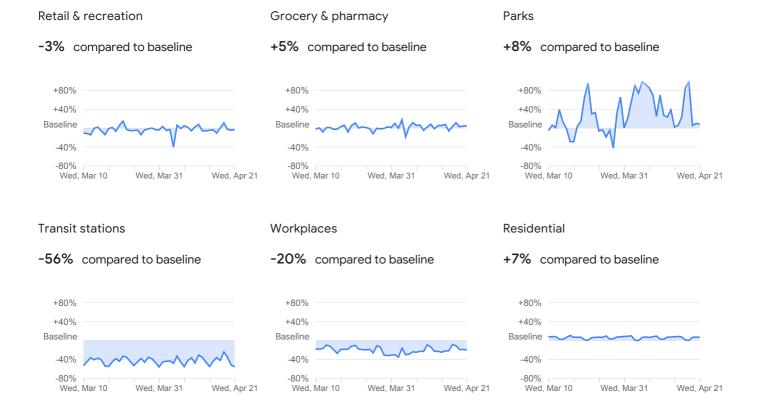


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Gogebic County

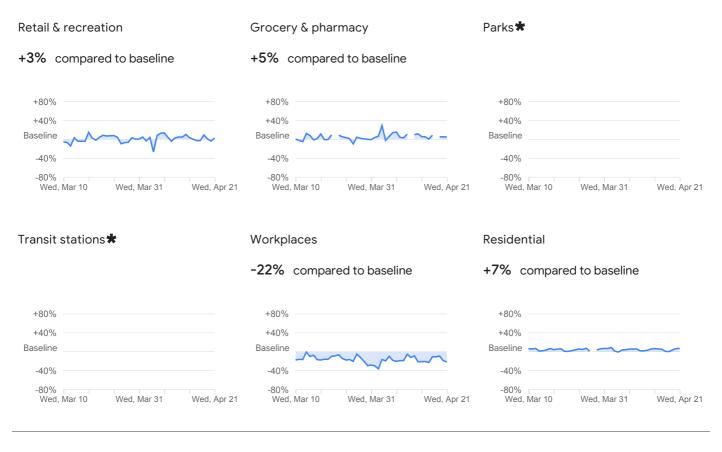


Grand Traverse County

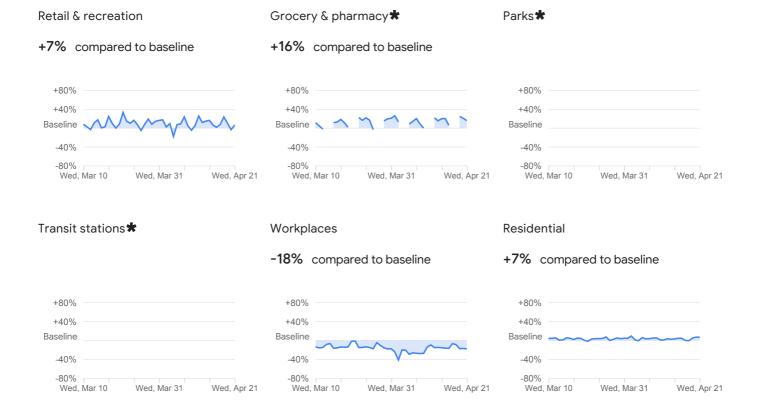


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Gratiot County

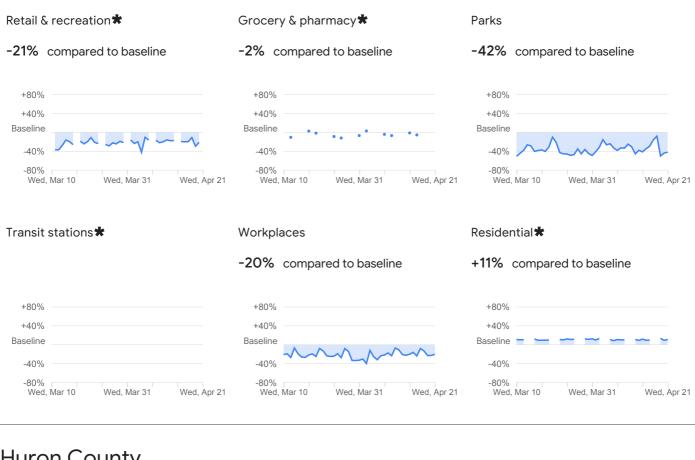


Hillsdale County

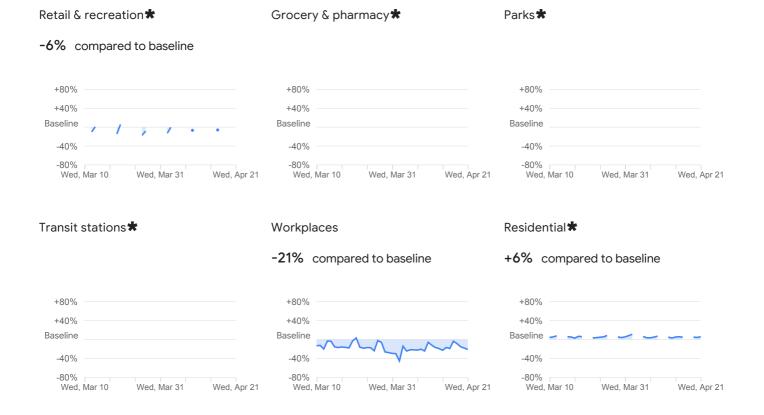


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Houghton County

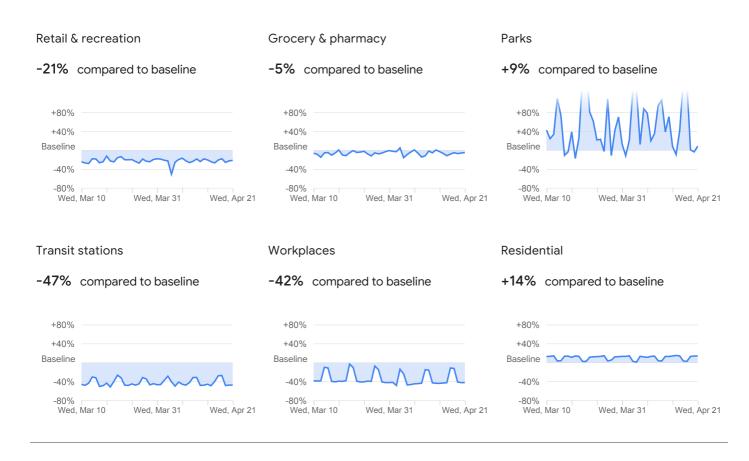


Huron County

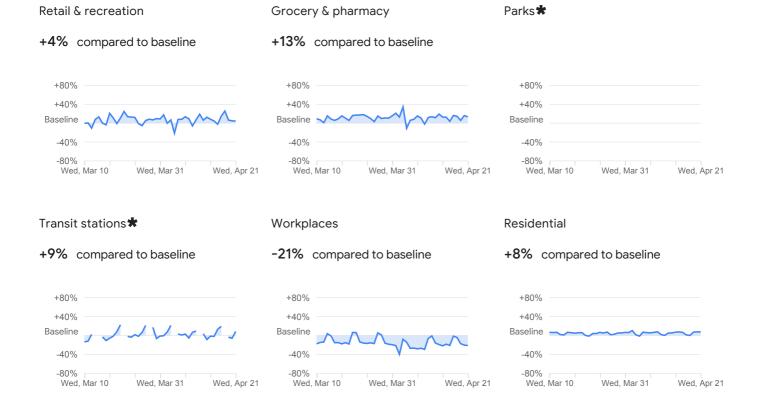


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Ingham County

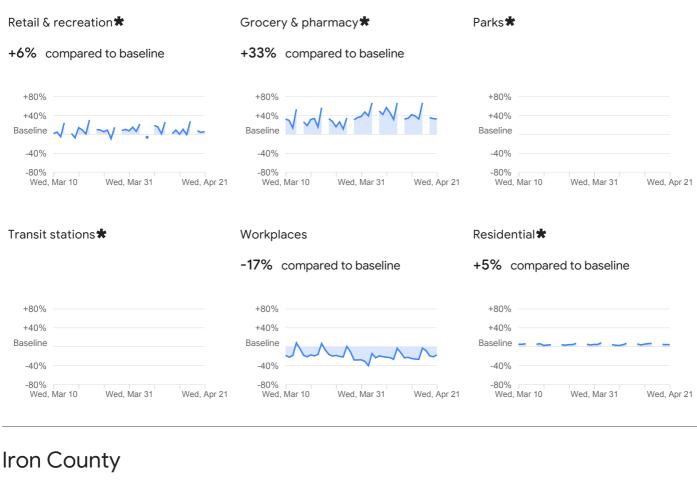


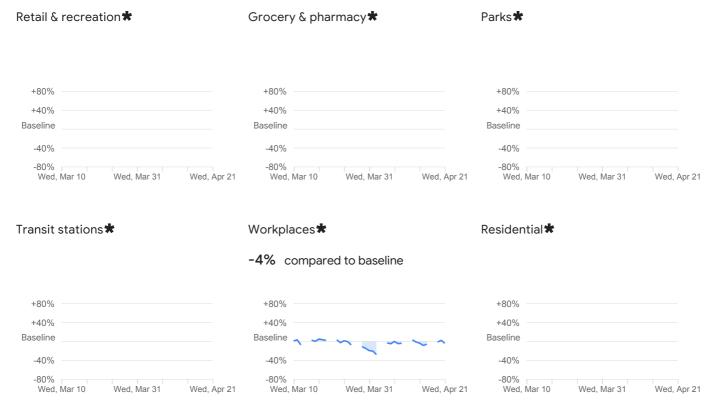
Ionia County



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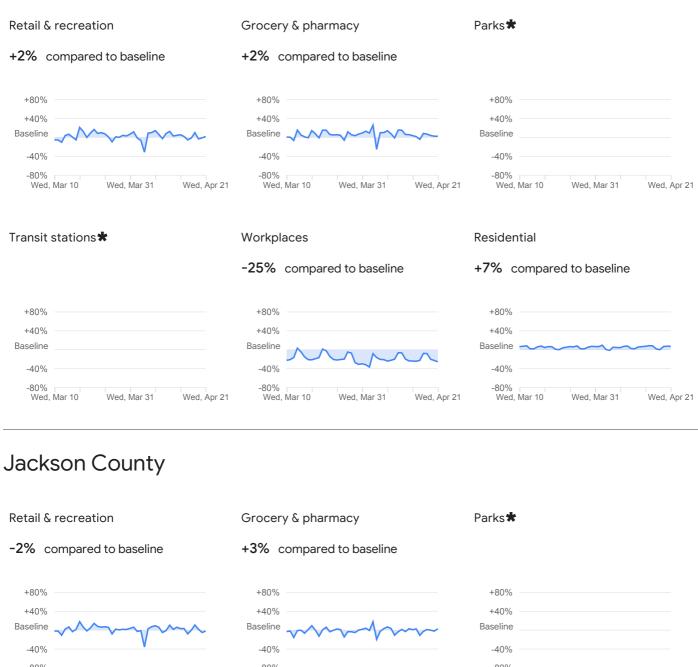
losco County

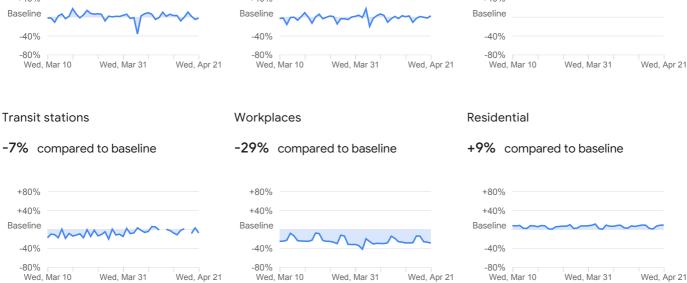




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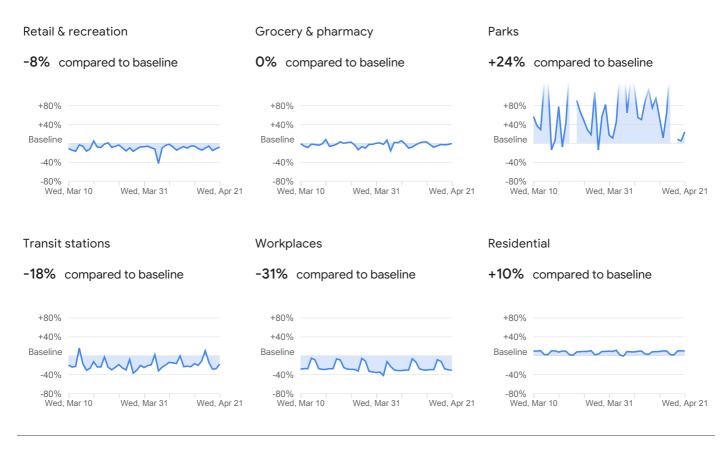
Isabella County



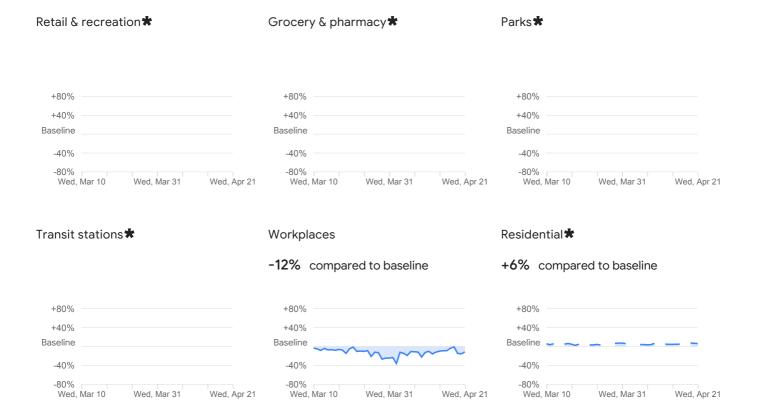


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Kalamazoo County

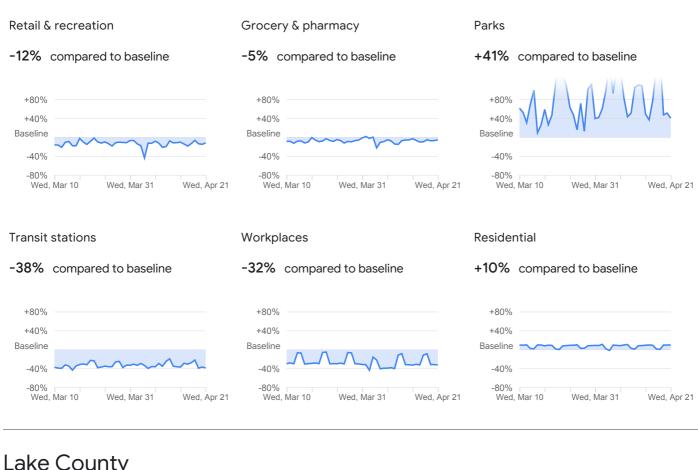


Kalkaska County

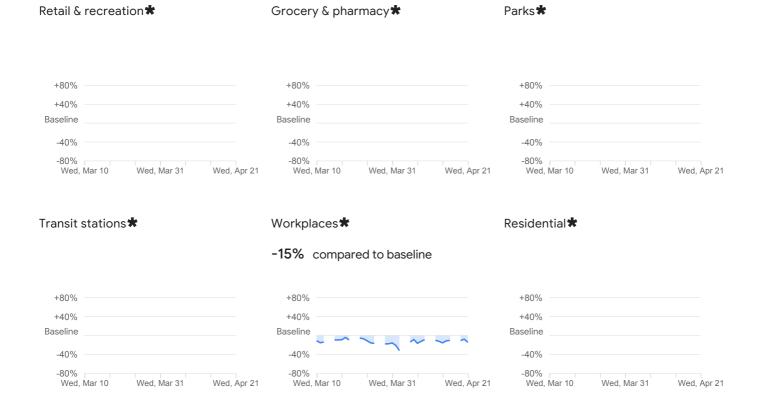


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Kent County

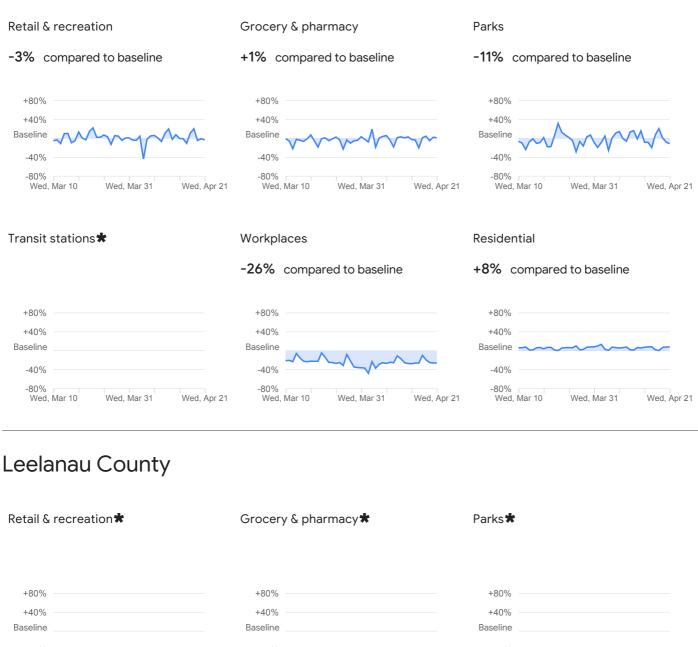


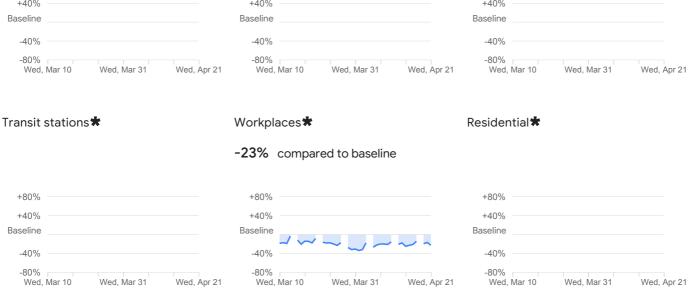
Lake County



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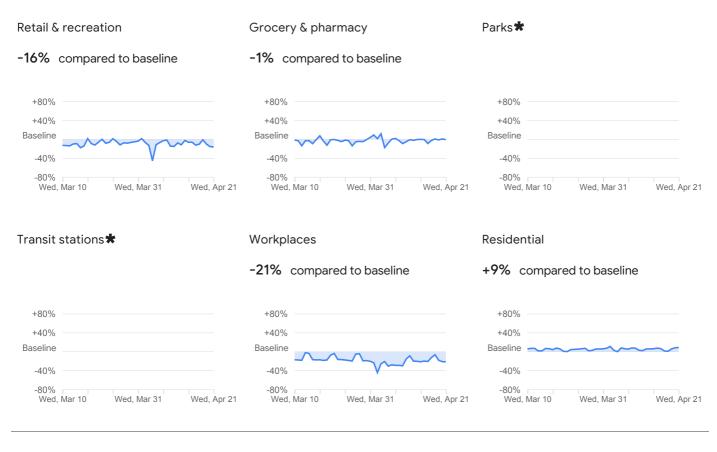
Lapeer County



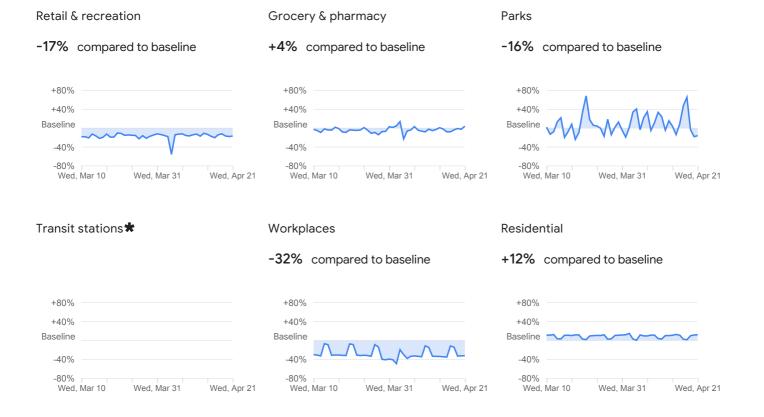


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Lenawee County



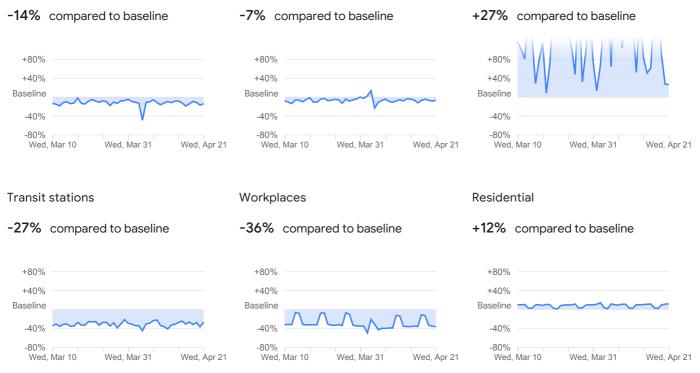
Livingston County



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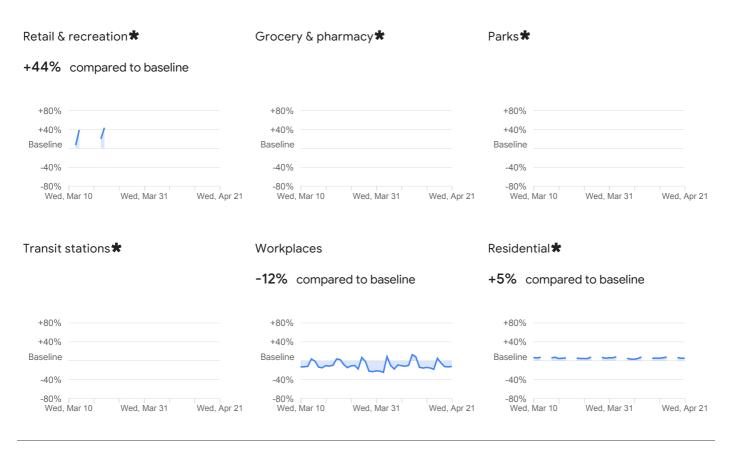
Mackinac County



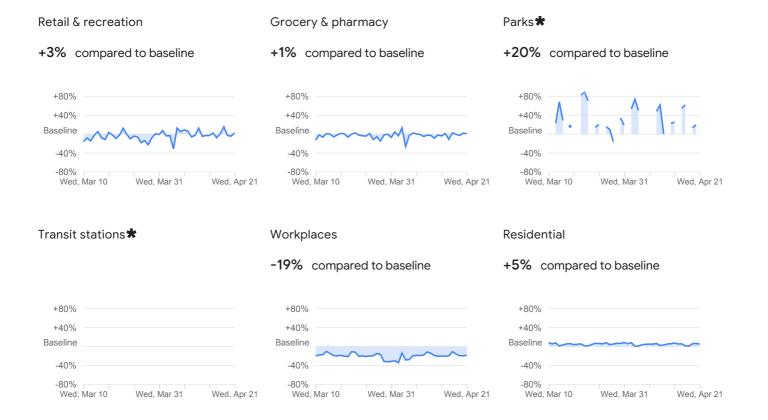


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Manistee County

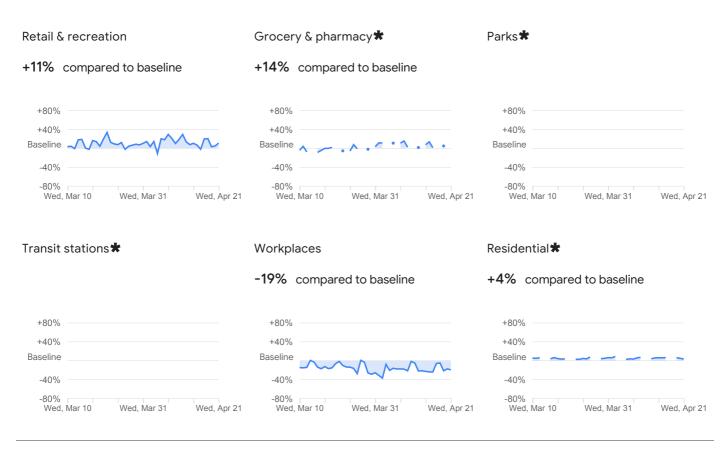


Marquette County

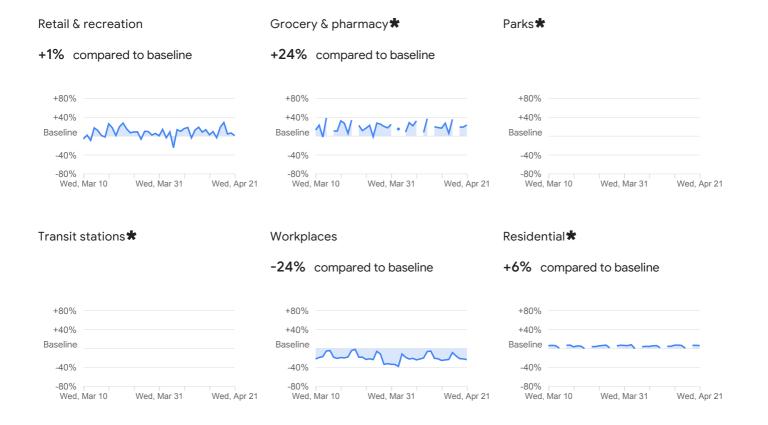


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Mason County

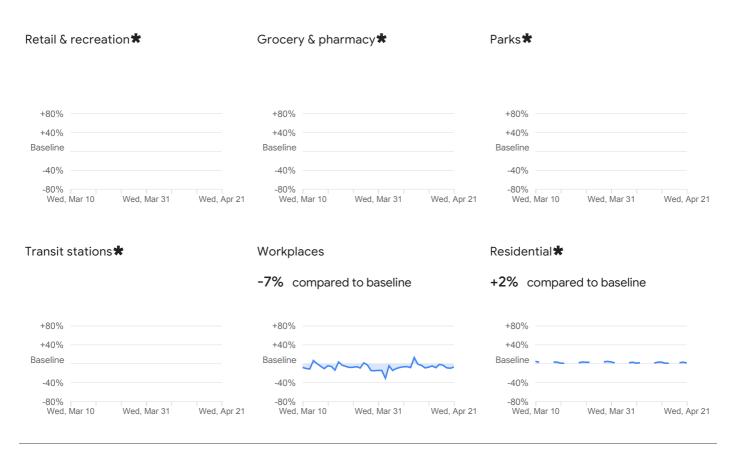


Mecosta County

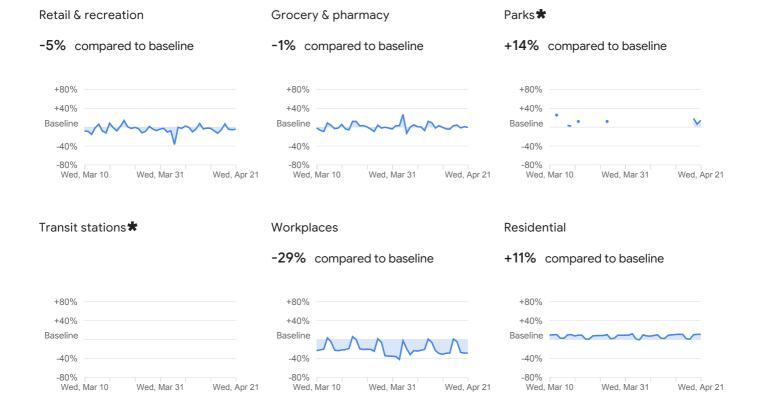


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Menominee County

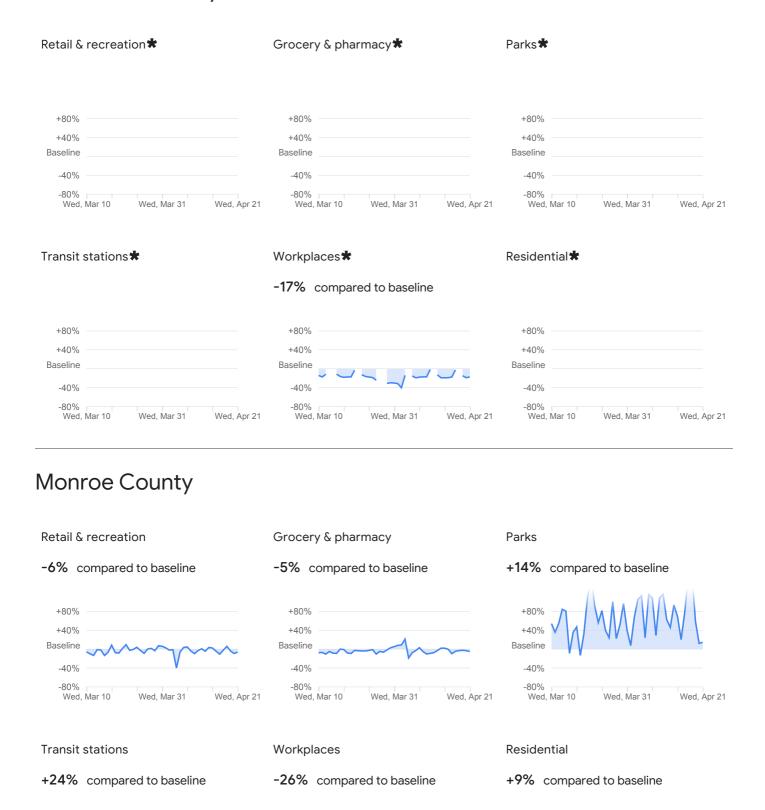


Midland County



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Missaukee County



+80%

+40%

-40%

-80%

Wed. Apr 21

Wed, Mar 10

Wed, Mar 31

Wed, Apr 21

Baseline

Wed, Apr 21

+80%

+40%

-40%

-80%

Wed, Mar 10

Wed. Mar 31

Baseline

+80%

+40%

-40%

-80%

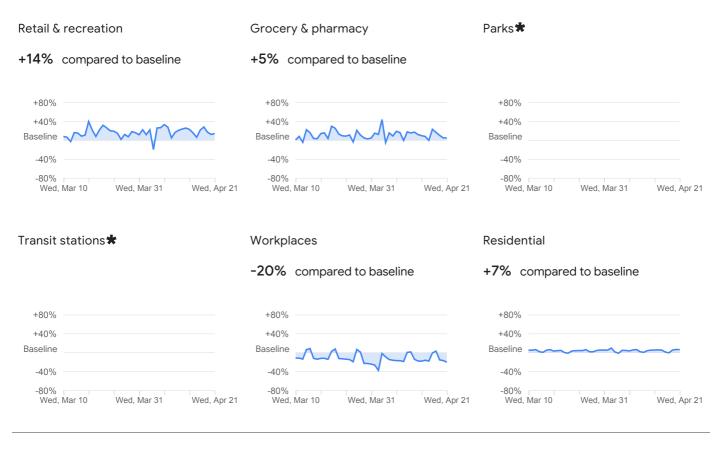
Wed. Mar 10

Wed, Mar 31

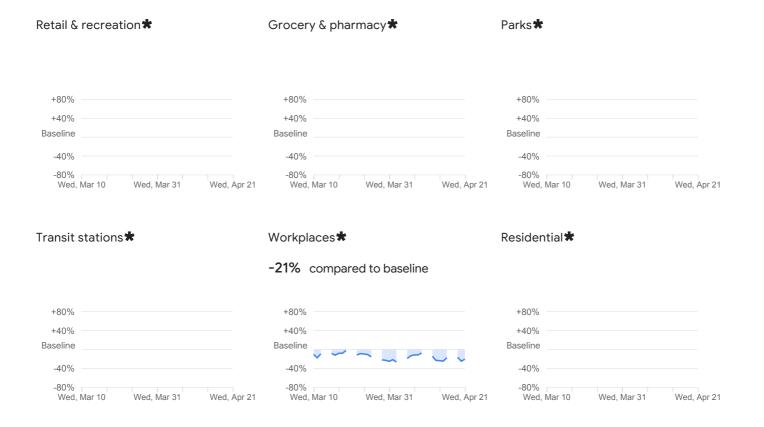
Baseline

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Montcalm County

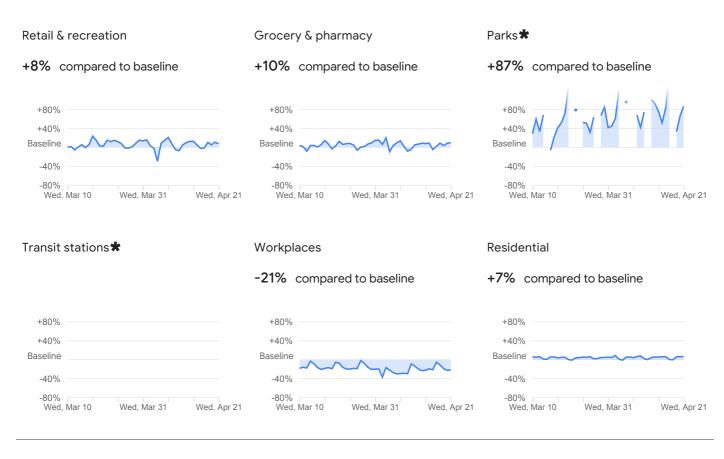


Montmorency County

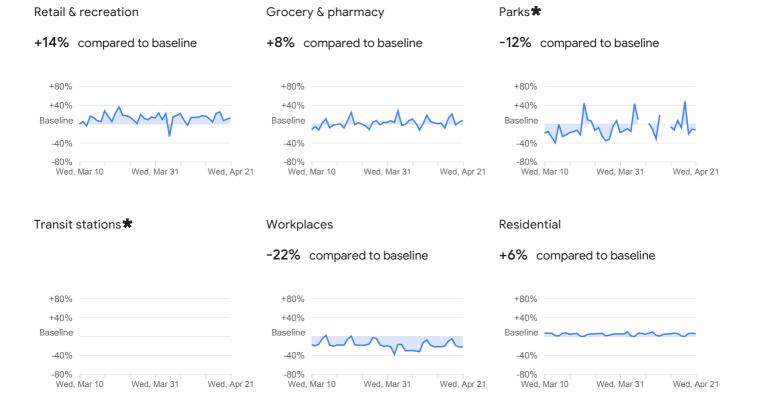


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Muskegon County

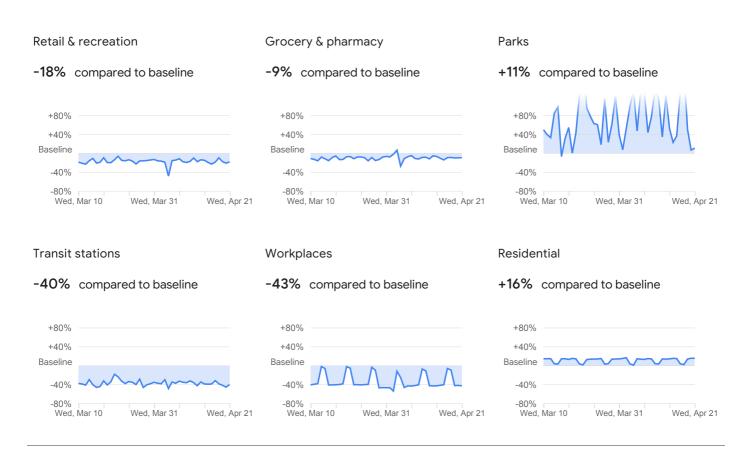


Newaygo County

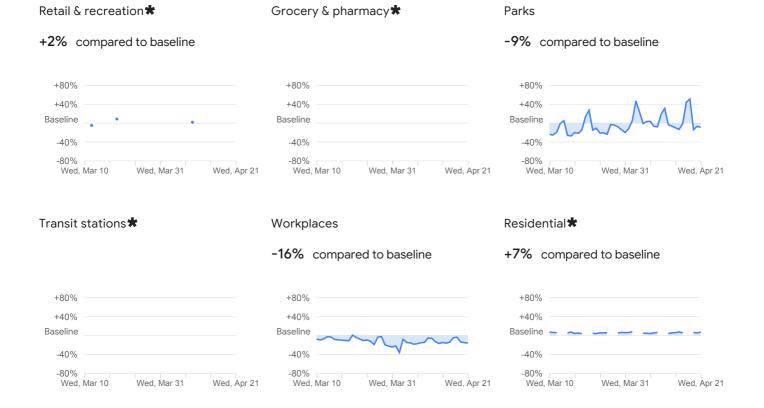


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Oakland County

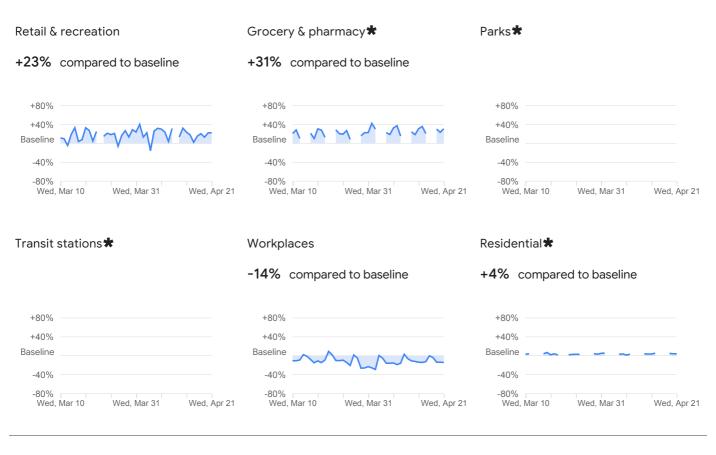


Oceana County

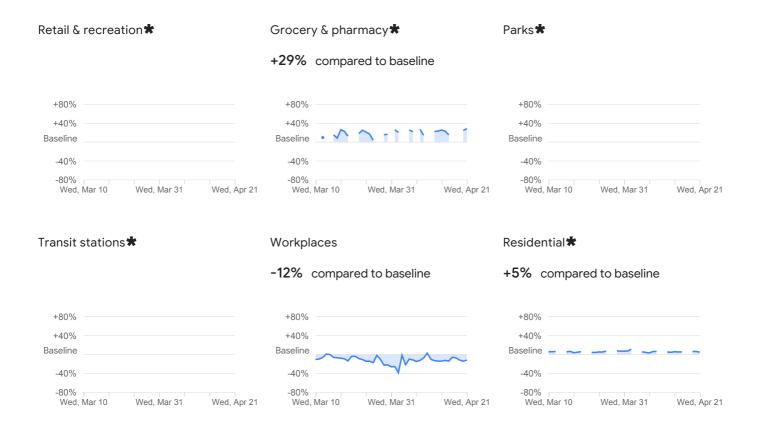


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Ogemaw County

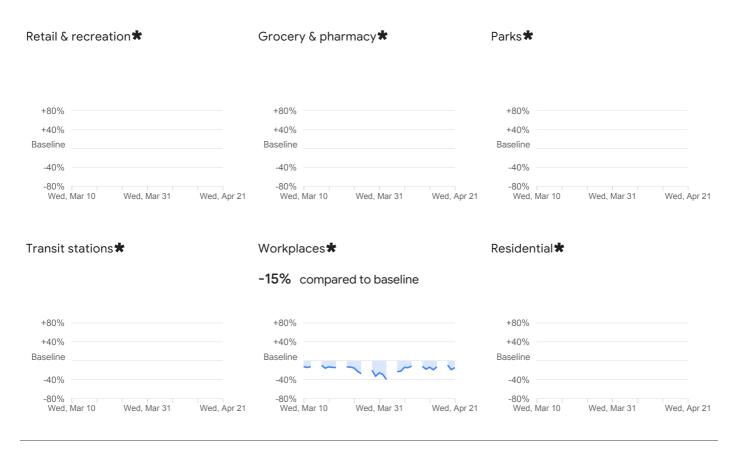


Osceola County

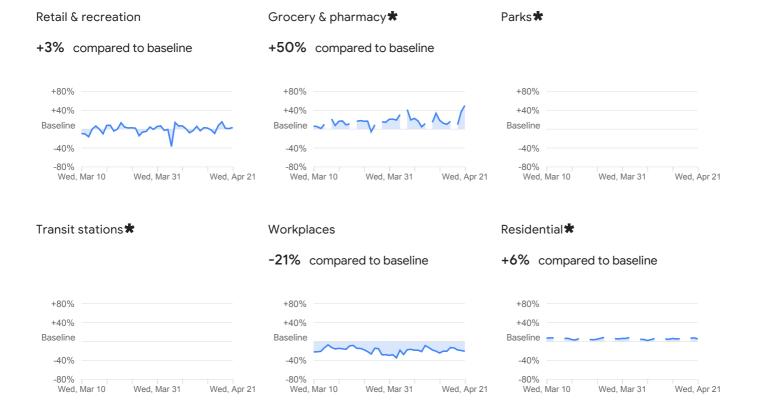


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Oscoda County

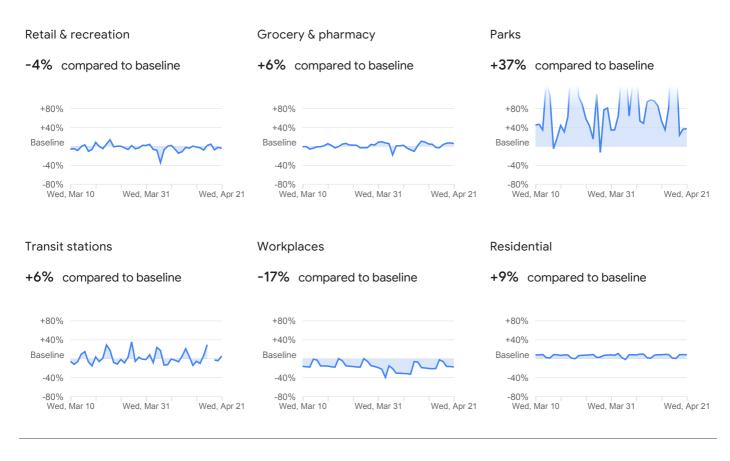


Otsego County

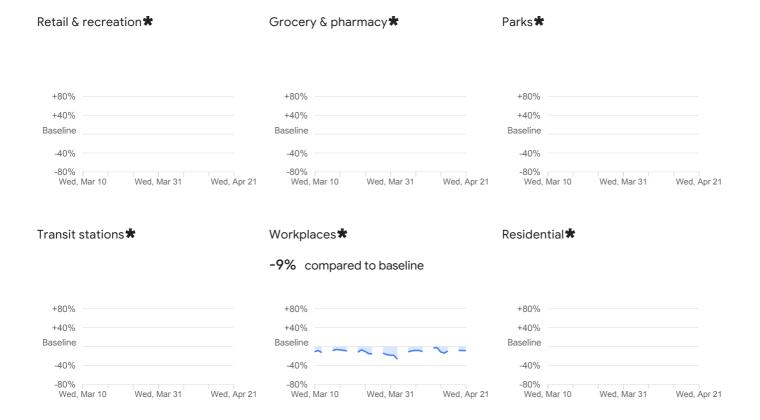


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Ottawa County

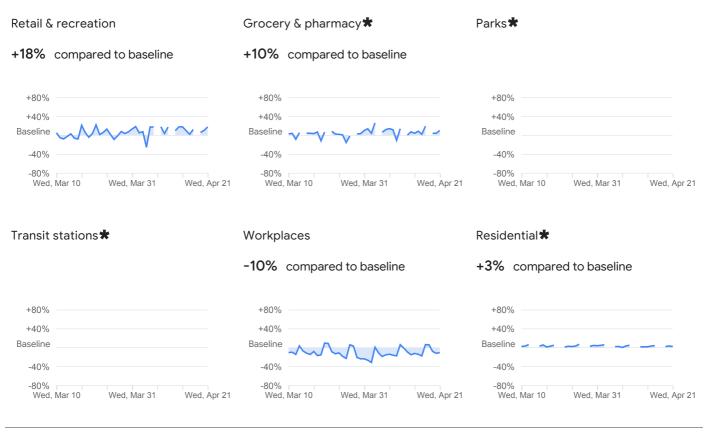


Presque Isle County

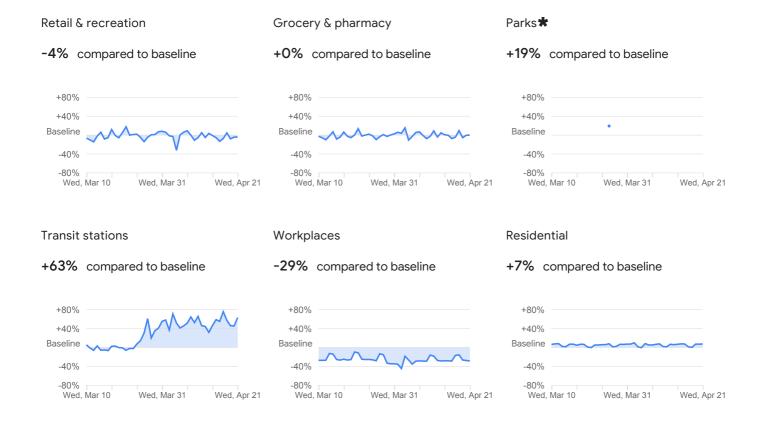


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Roscommon County

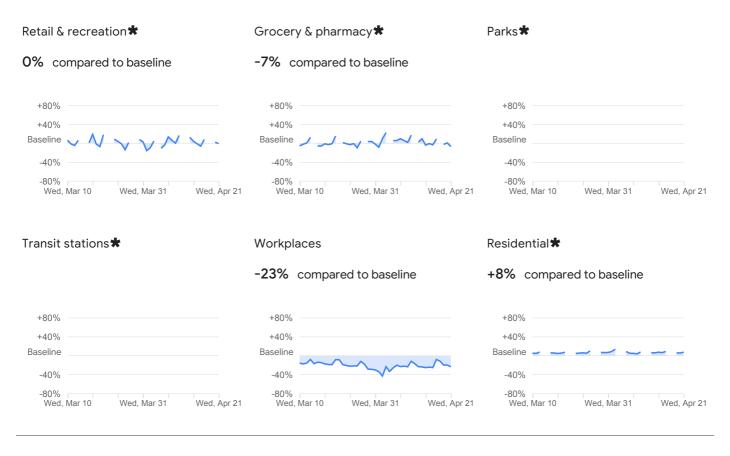


Saginaw County

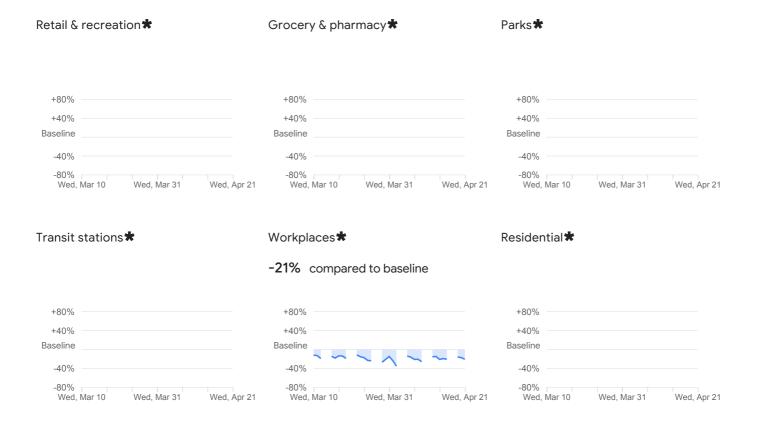


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Sanilac County

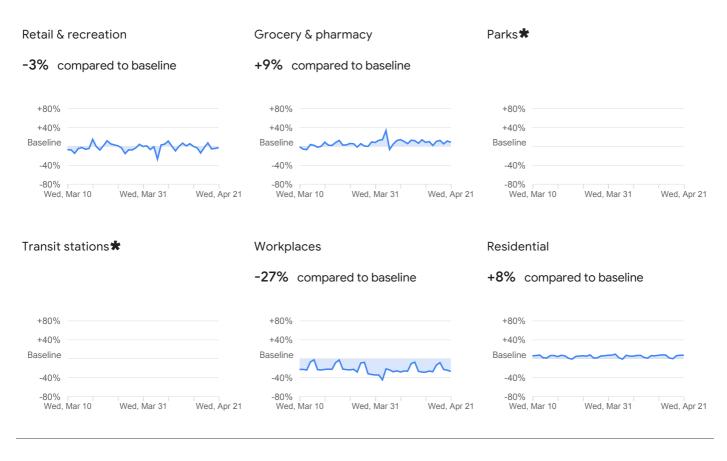


Schoolcraft County

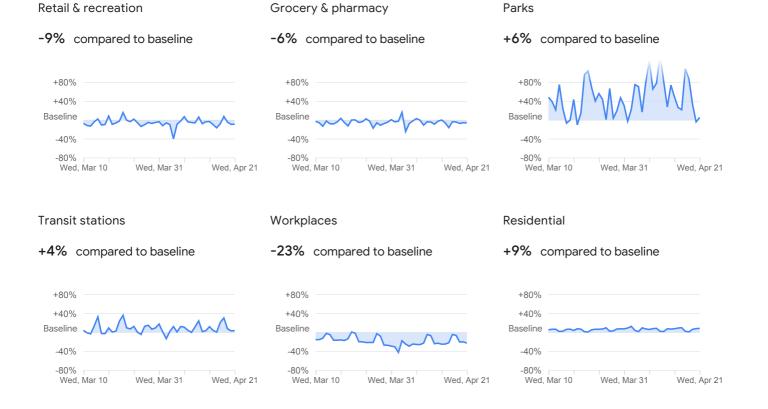


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Shiawassee County

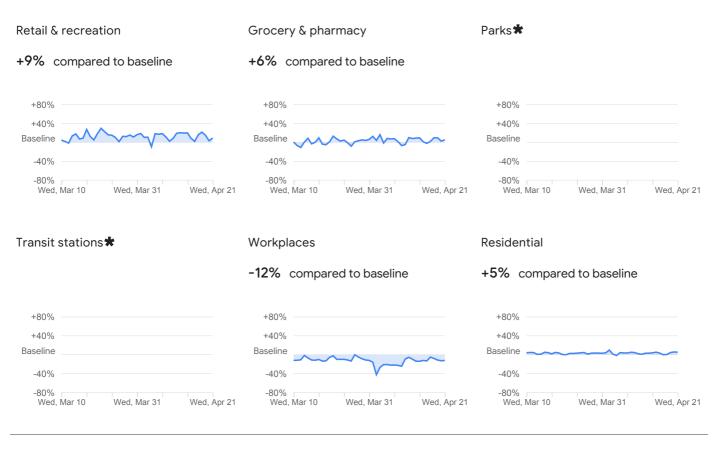


St. Clair County

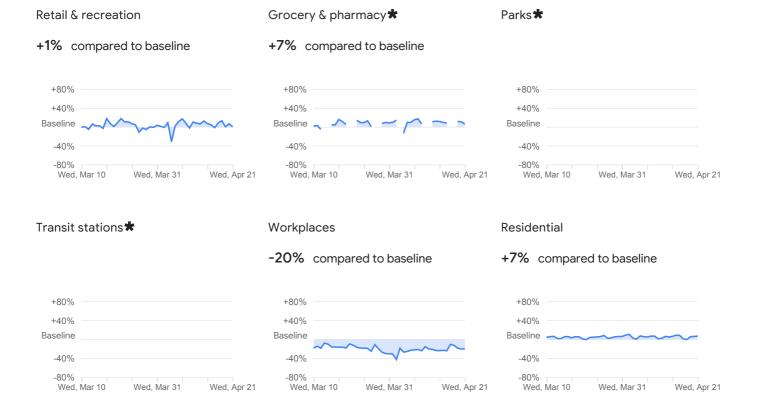


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

St. Joseph County

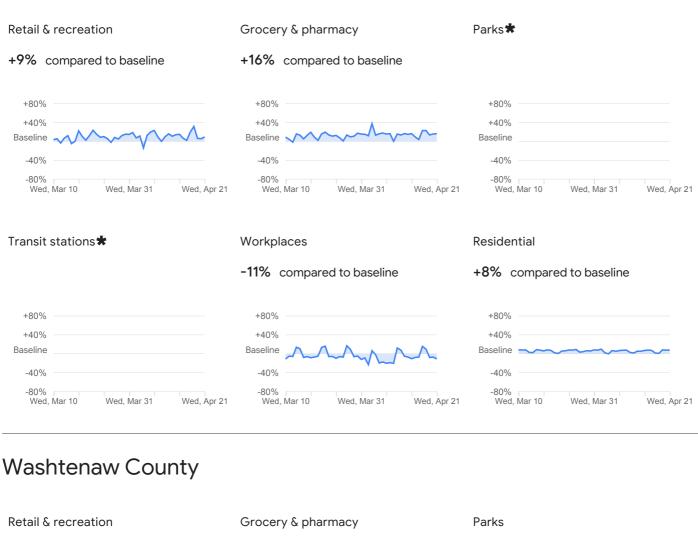


Tuscola County



^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

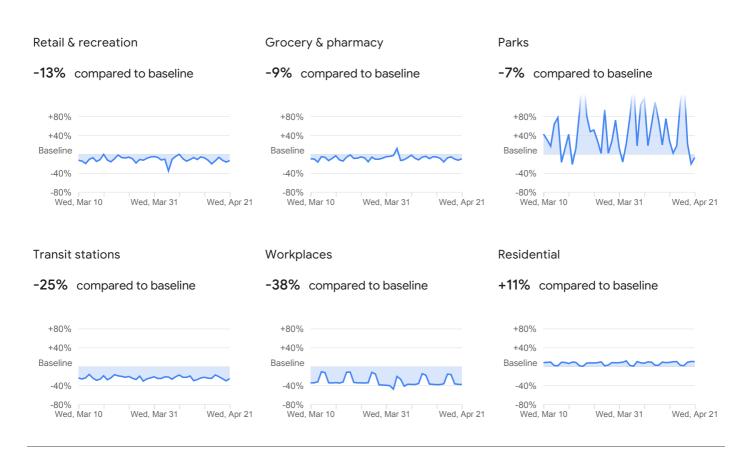
Van Buren County



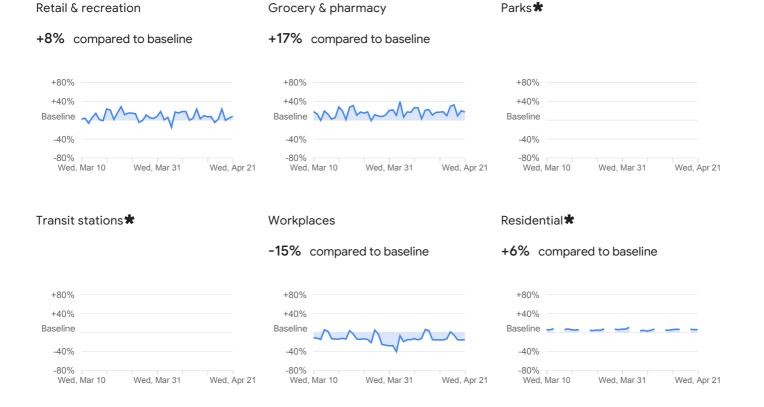


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Wayne County



Wexford County



^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

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.

We continue to improve our reports as places close and reopen. We updated the way we calculate changes for *Groceries & pharmacy*, *Retail & recreation*, *Transit stations*, and *Parks* categories. For regions published before May 2020, the data may contain a consistent shift either up or down that starts between April 11–18, 2020.

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 worldclass 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.

Further resources

To learn how you can best use this report in your work, visit Mobility Reports Help.

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