

Michigan June 22, 2020

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.

Each Community Mobility Report dataset is presented by location and highlights the percent change in visits to places like grocery stores and parks within a geographic area. How to use this report.

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.

Mon. Jun 22

Retail & recreation

-4%

compared to baseline

+80% +40% Baseline -40% -80% Mon, May 11 Mon, Jun 1 Mon, Jun 22

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

Grocery & pharmacy

0%

compared to baseline



Baseline

-40%

-80%

Mon. May 11

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

Parks

+169%

compared to baseline



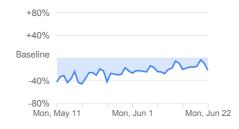
Mon. Jun 1

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

Transit stations

-22%

compared to baseline

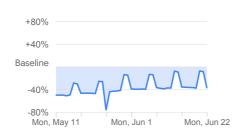


Mobility trends for places like public transport hubs such as subway, bus, and train stations.

Workplaces

-38%

compared to baseline

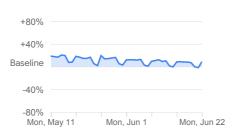


Mobility trends for places of work.

Residential

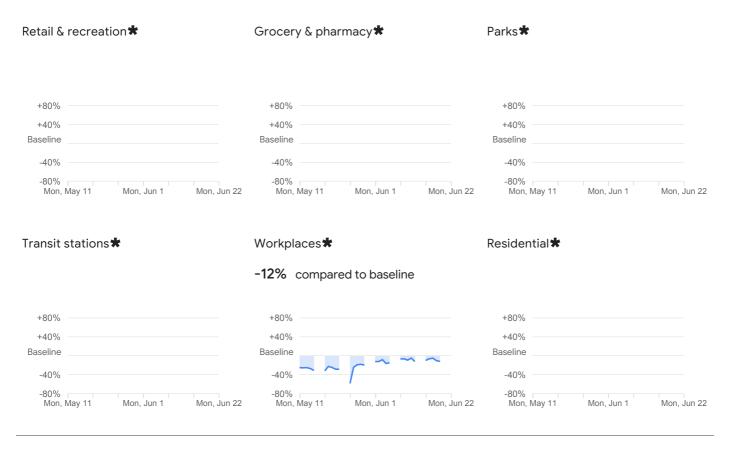
+9%

compared to baseline

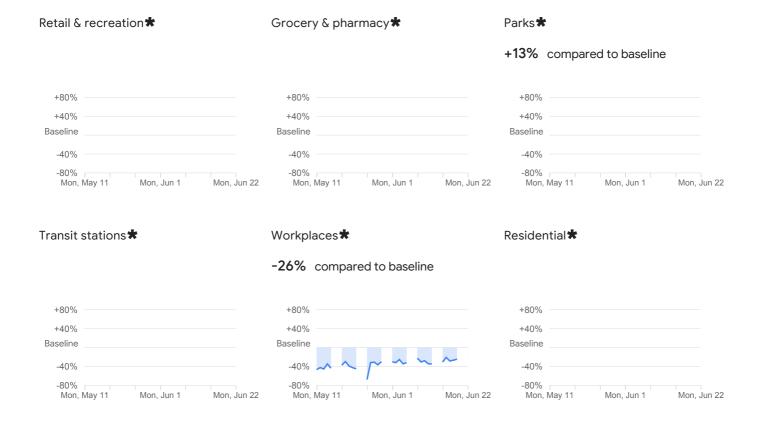


Mobility trends for places of residence.

Alcona County

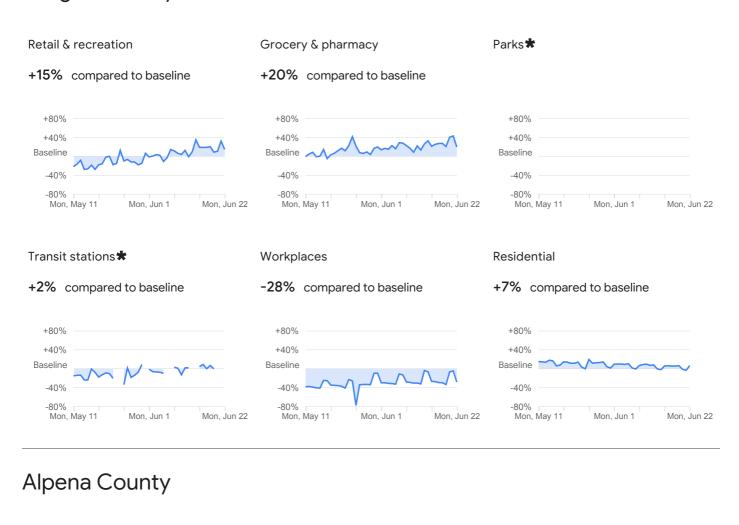


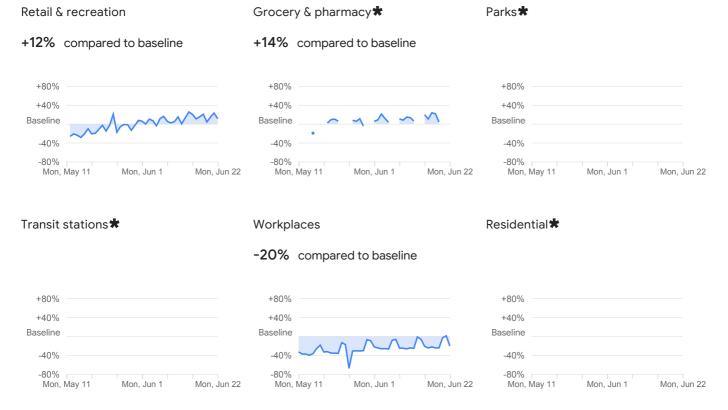
Alger County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

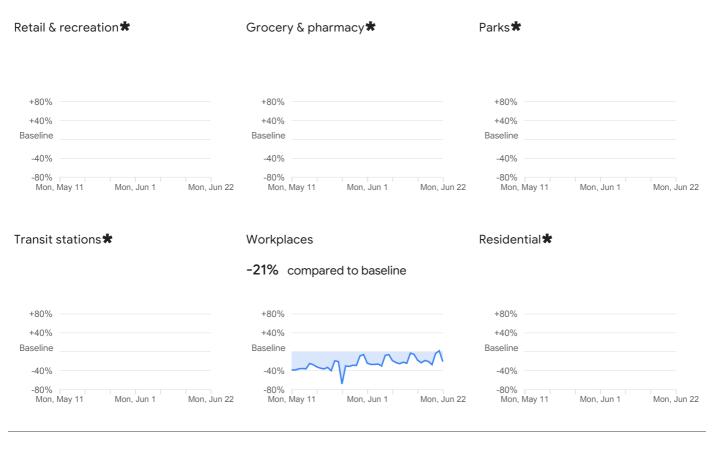
Allegan County



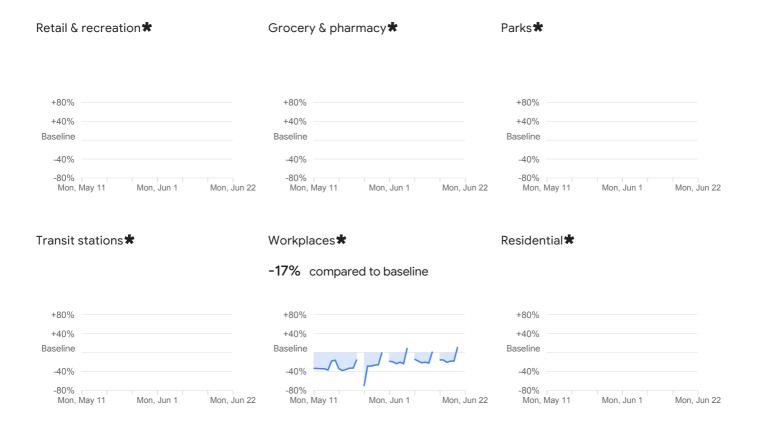


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Antrim County

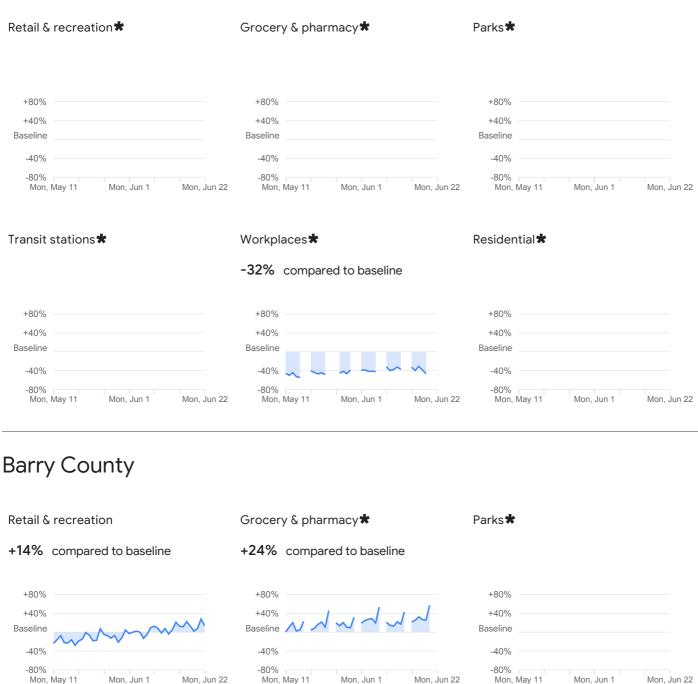


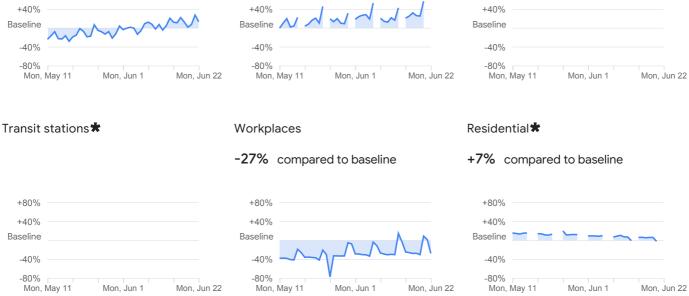
Arenac County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

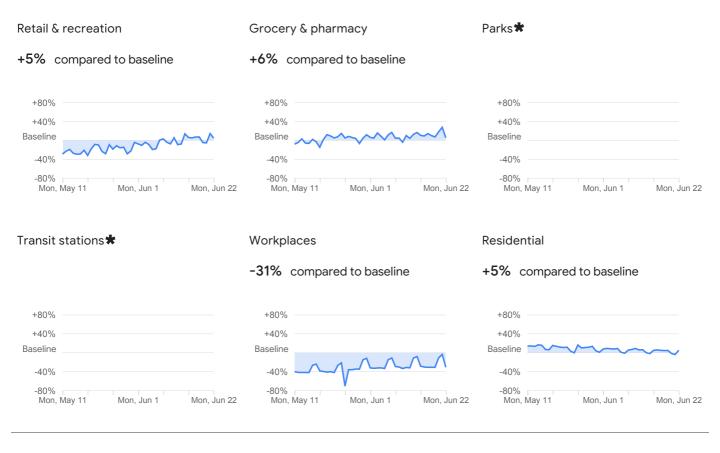
Baraga County



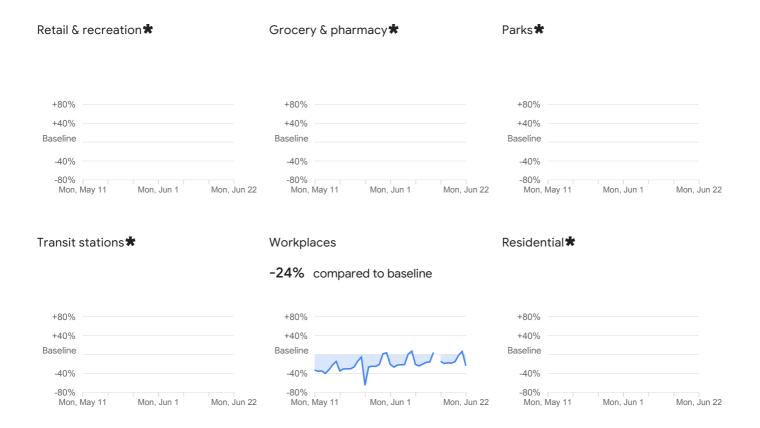


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Bay County

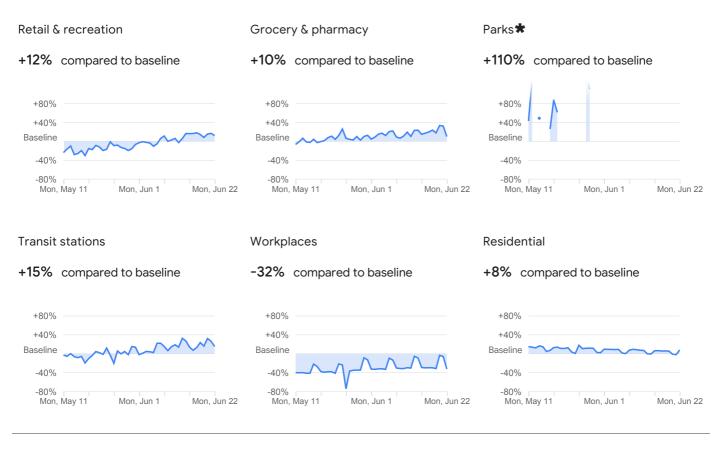


Benzie County

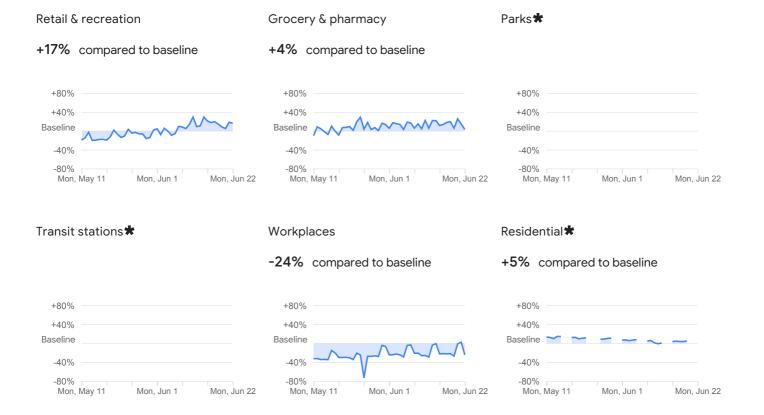


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Berrien County

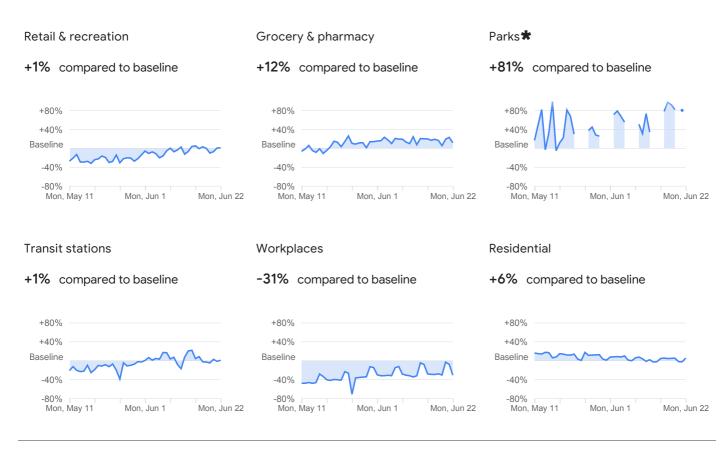


Branch County

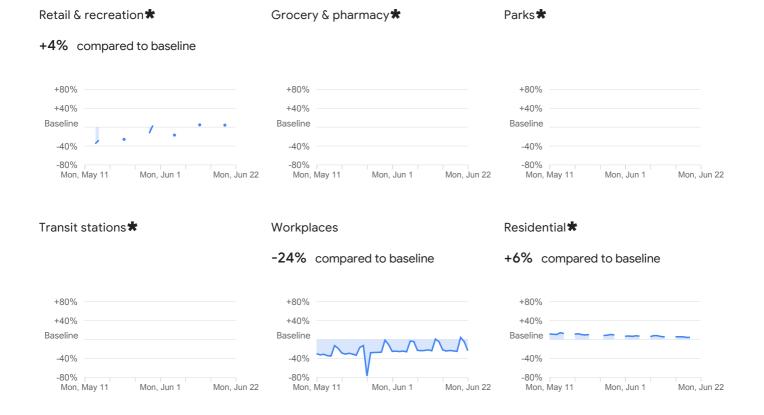


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Calhoun County



Cass County



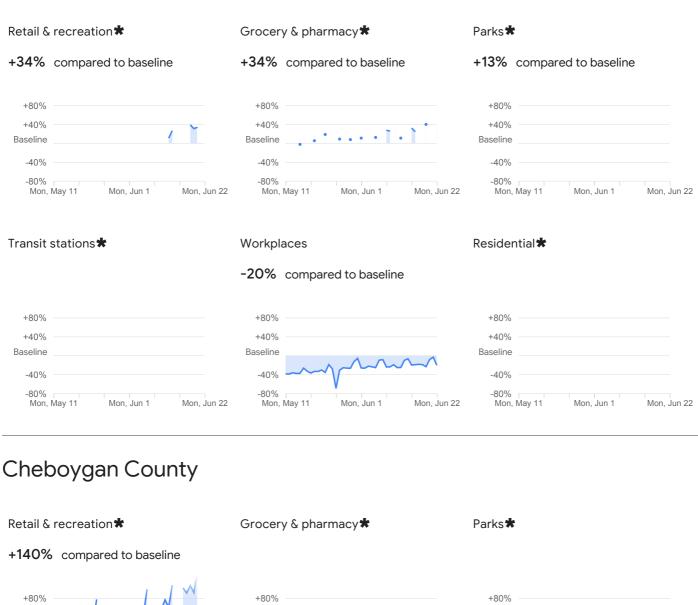
^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

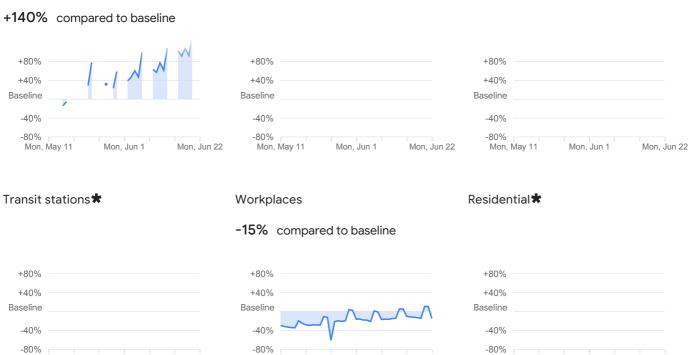
Charlevoix County

Mon, Jun 1

Mon. Jun 22

Mon. May 11





^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Mon. Jun 1

Mon. Jun 22

Mon, May 11

Mon, May 11

Mon, Jun 1

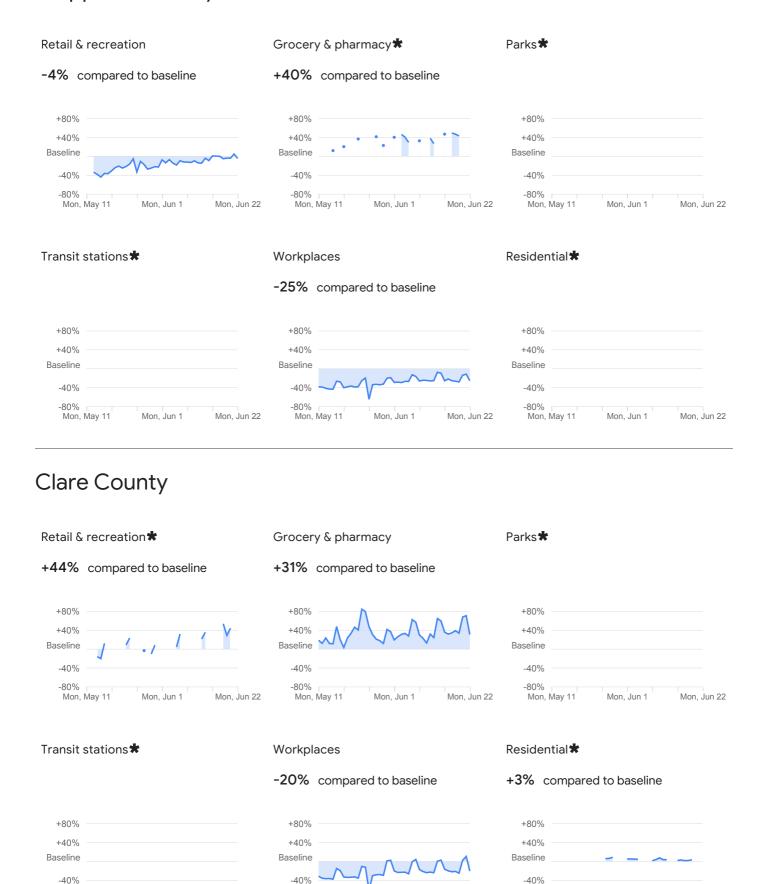
Mon, Jun 22

Chippewa County

-80%

Mon. May 11

Mon, Jun 1



Mon. Jun 1

-80% Mon, May 11

Mon. Jun 22

Mon, Jun 22

Mon. Jun 1

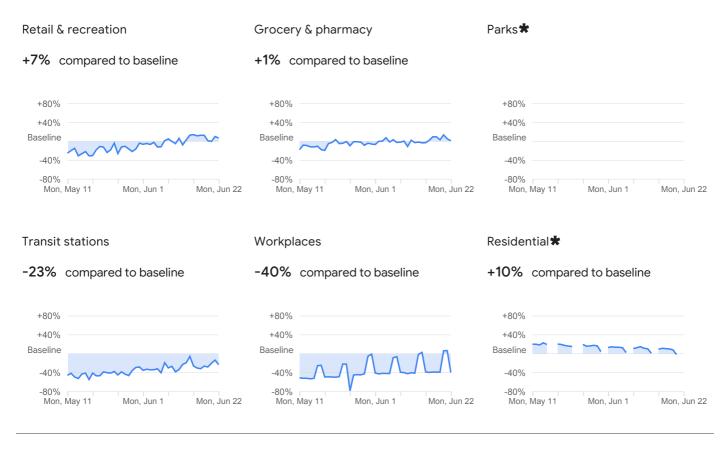
-80%

Mon. Jun 22

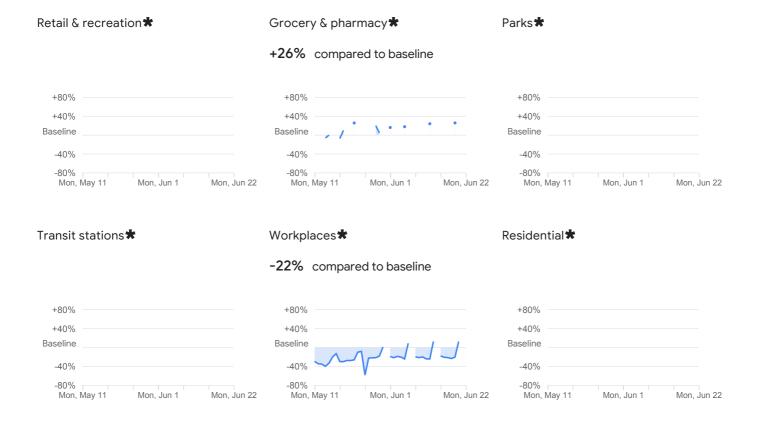
Mon, May 11

^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Clinton County

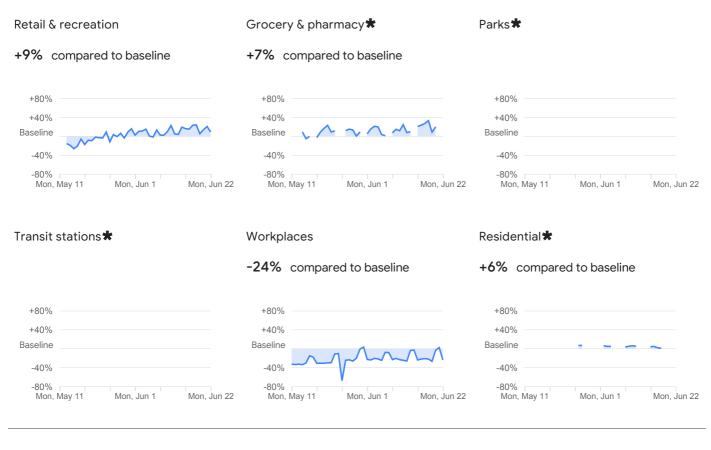


Crawford County

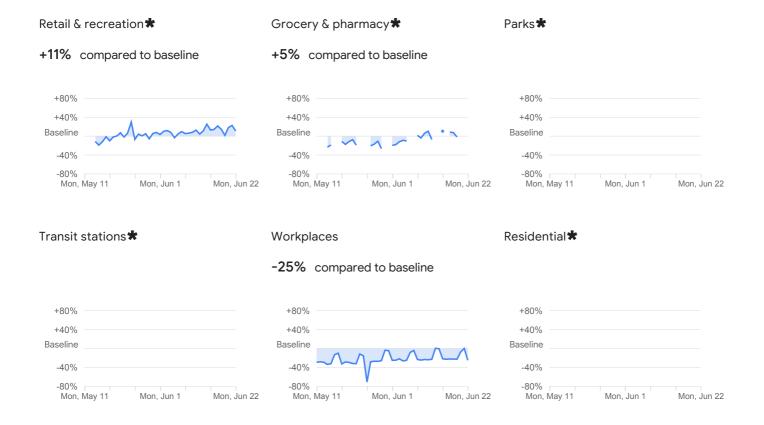


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Delta County

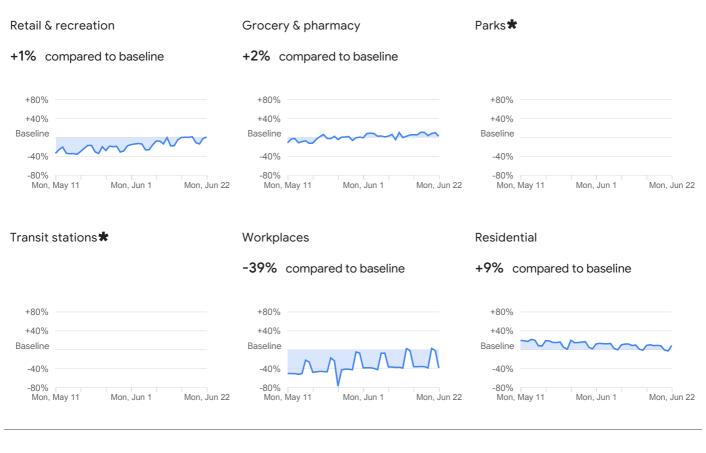


Dickinson County

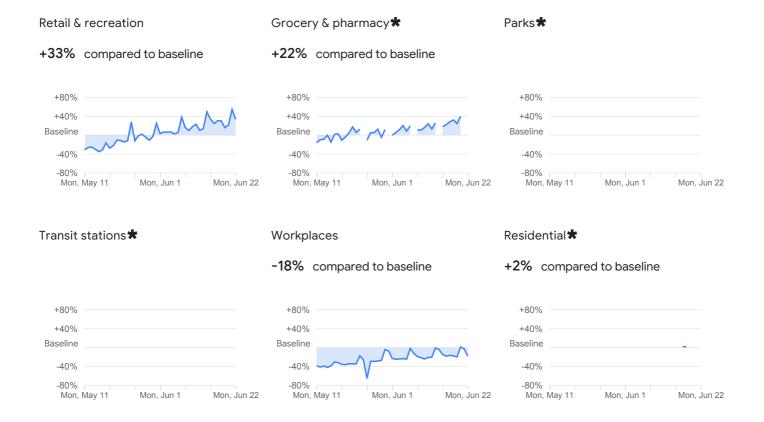


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Eaton County

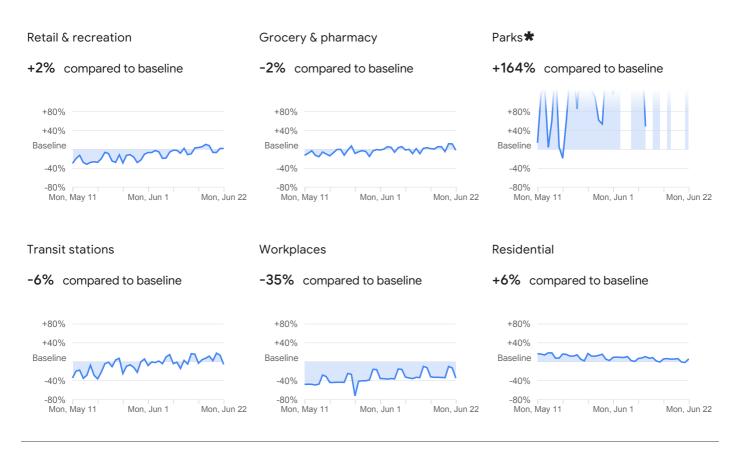


Emmet County

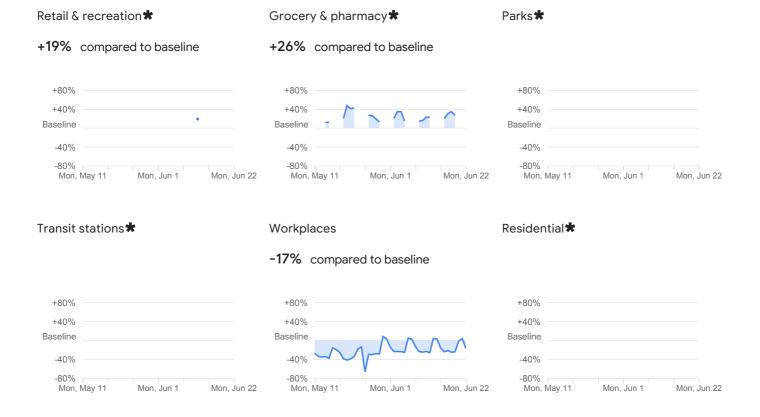


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Genesee County

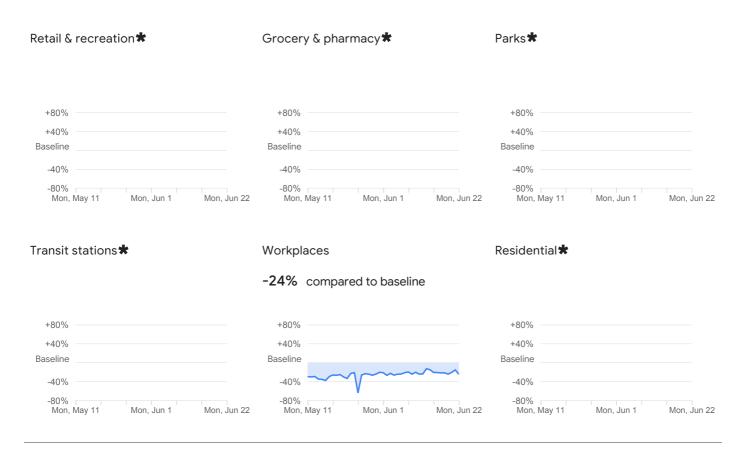


Gladwin County

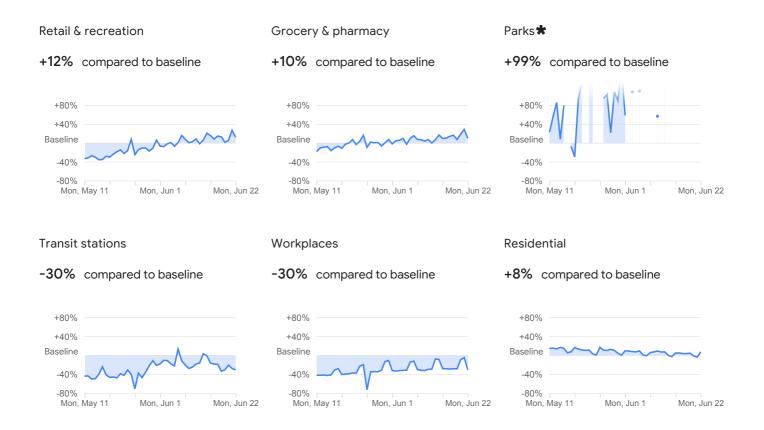


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Gogebic County

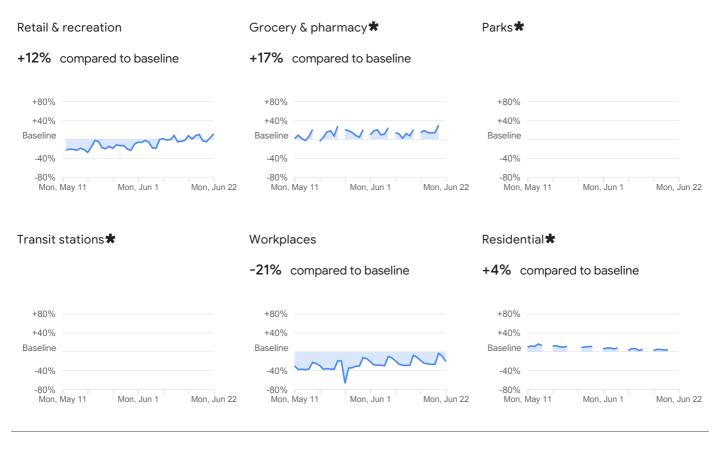


Grand Traverse County

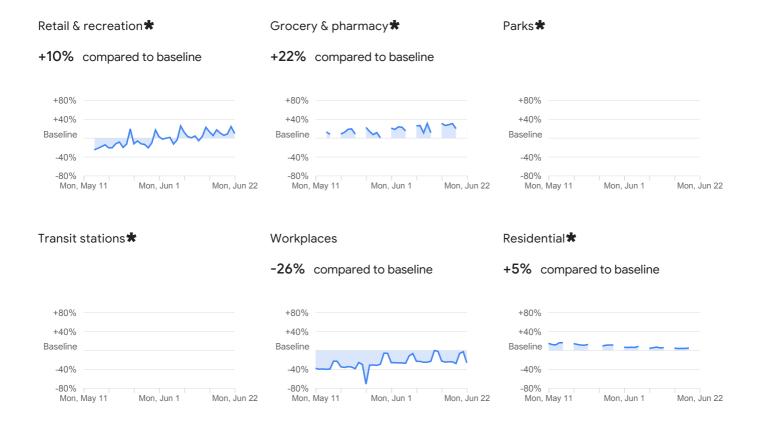


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Gratiot County

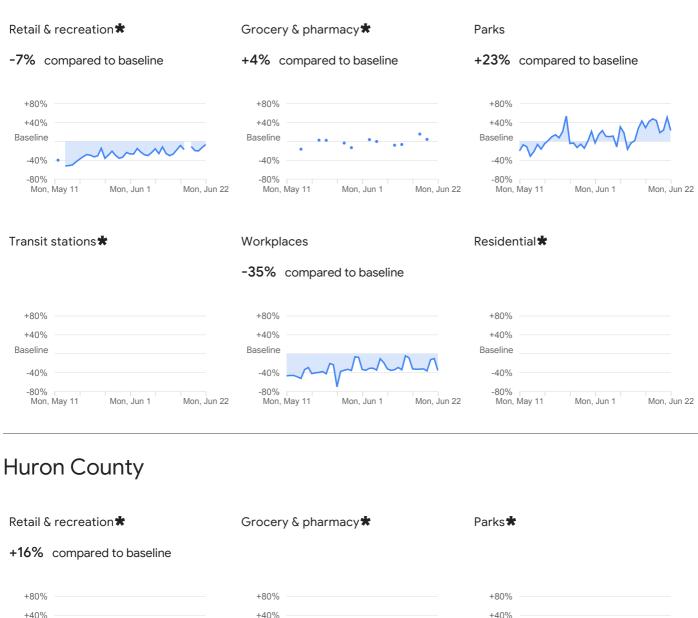


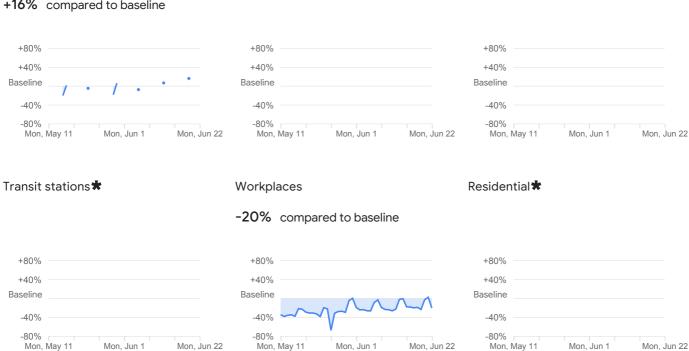
Hillsdale County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

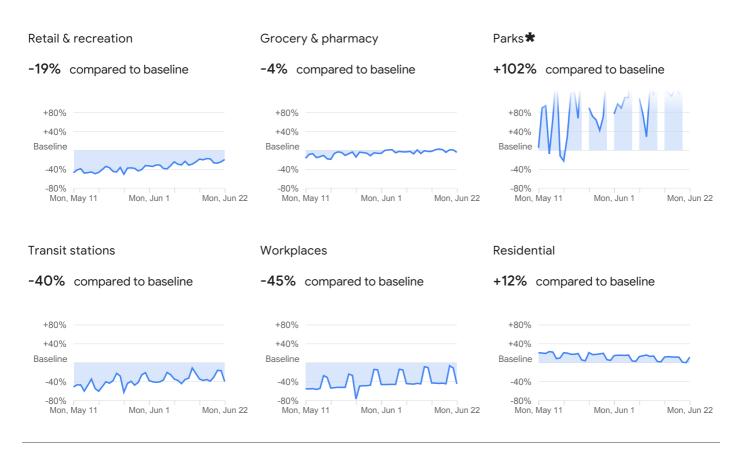
Houghton County



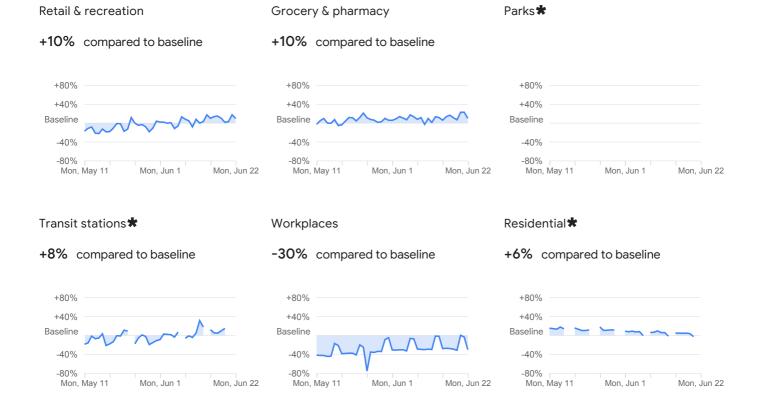


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Ingham County

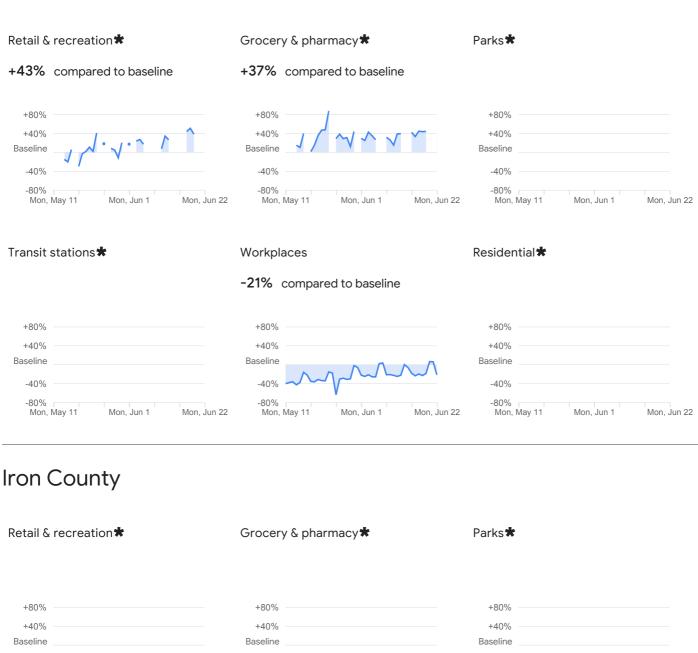


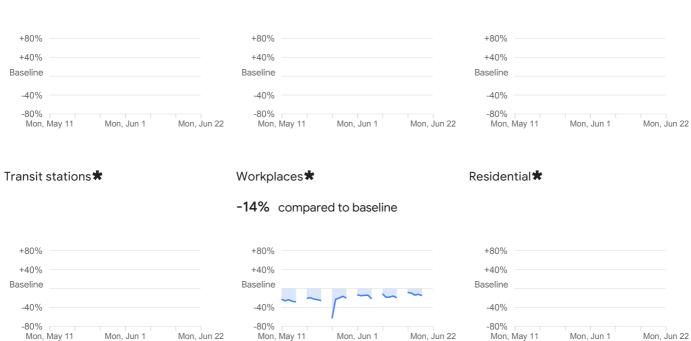
Ionia County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

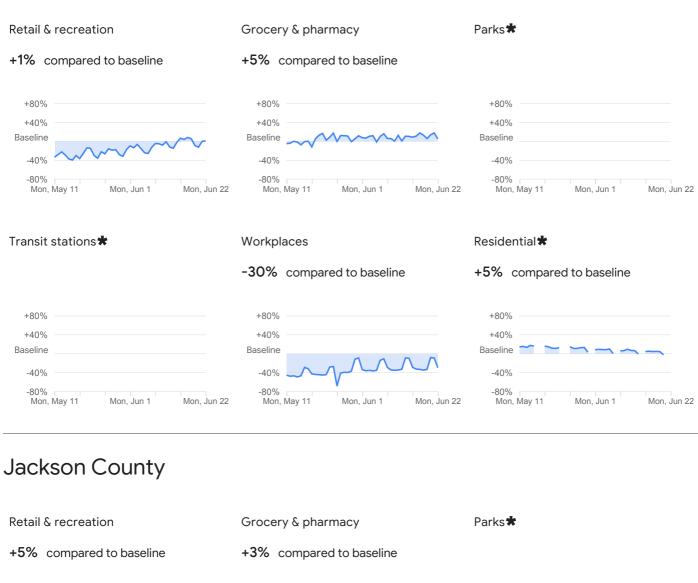
losco County

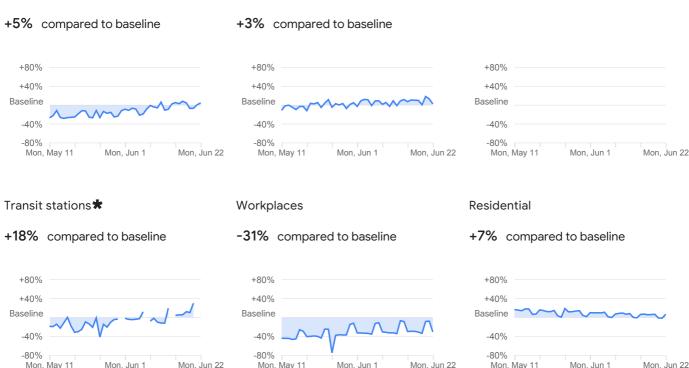




^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

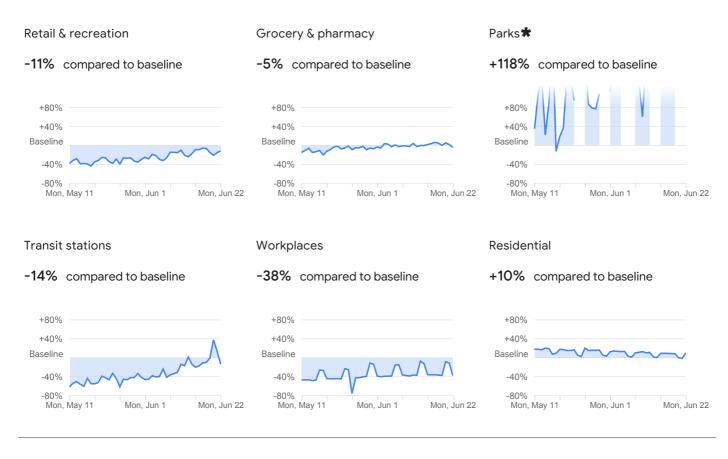
Isabella County



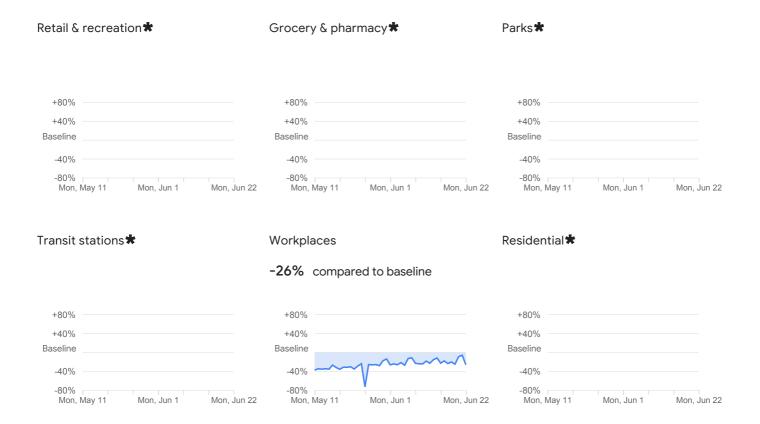


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Kalamazoo County

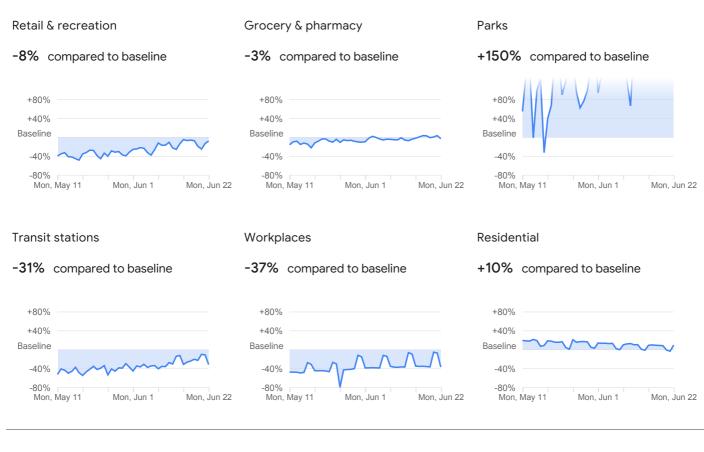


Kalkaska County

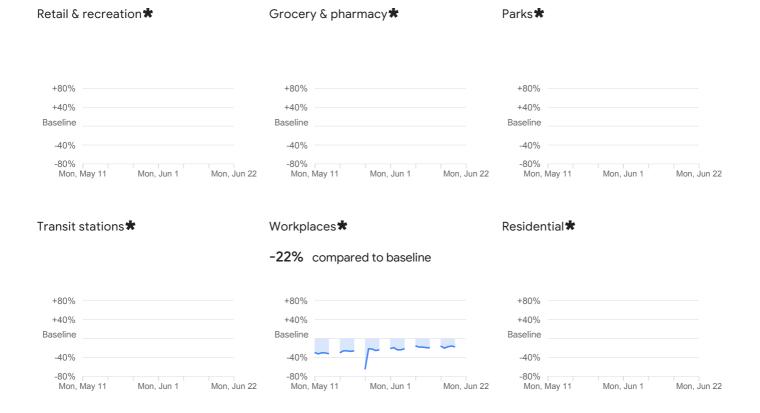


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Kent County

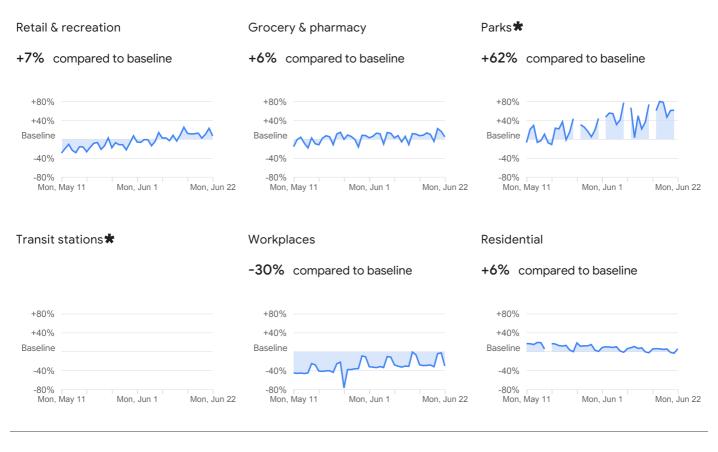


Lake County

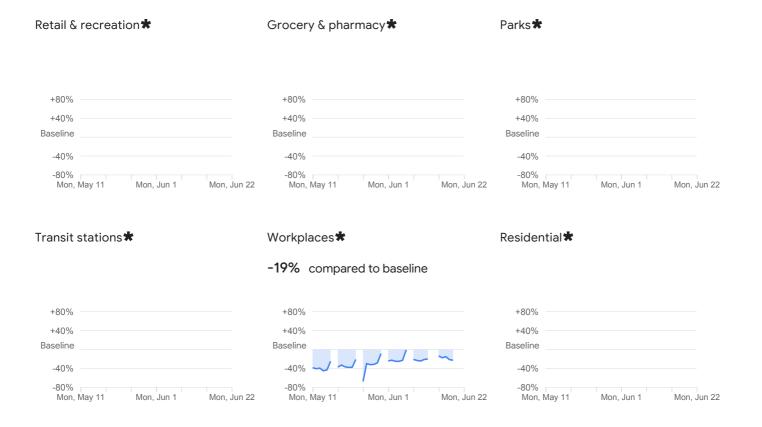


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Lapeer County

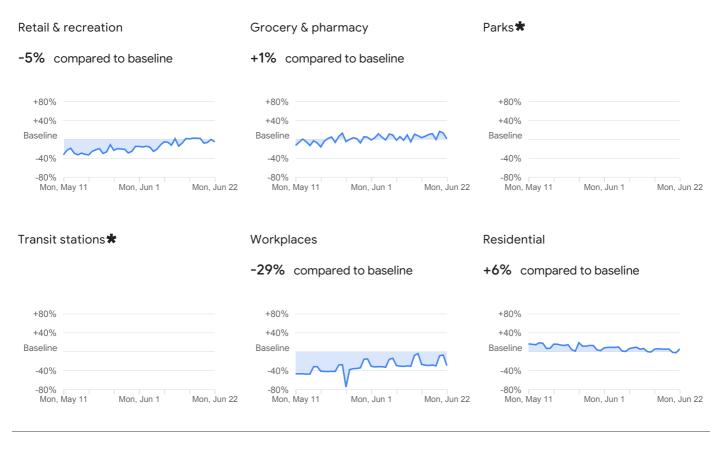


Leelanau County

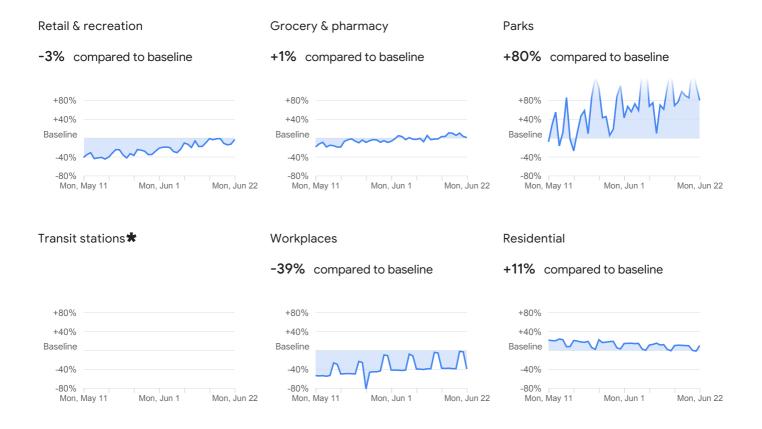


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Lenawee County

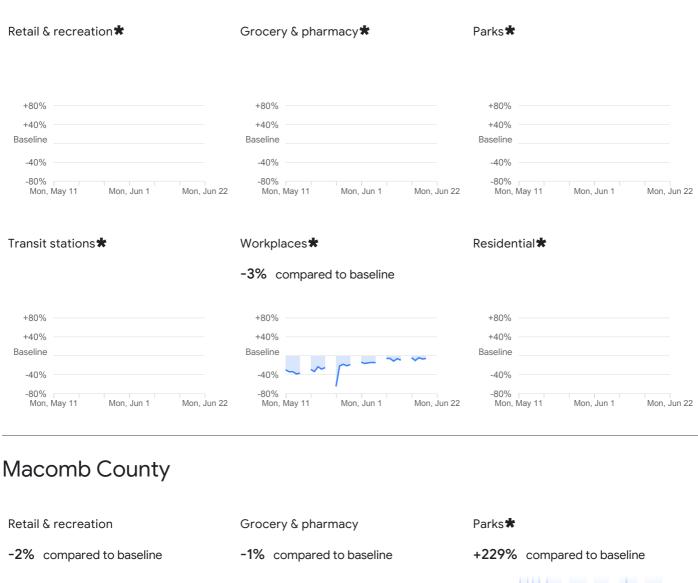


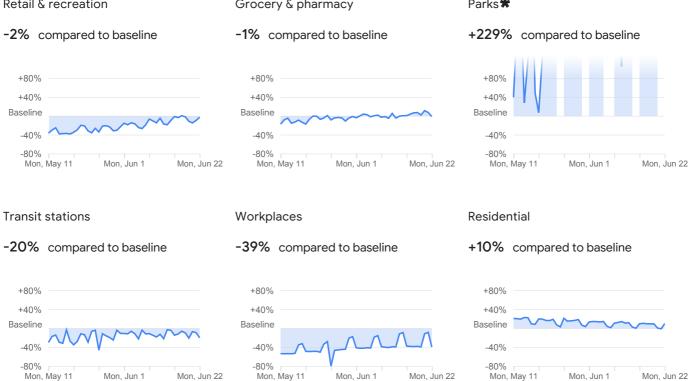
Livingston County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

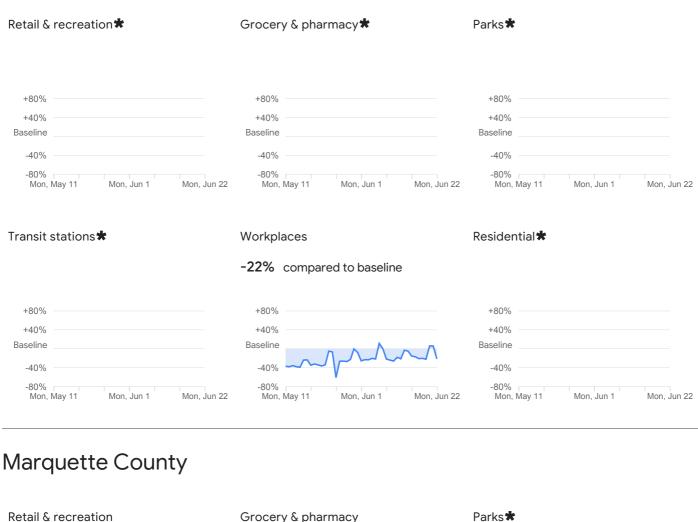
Mackinac County

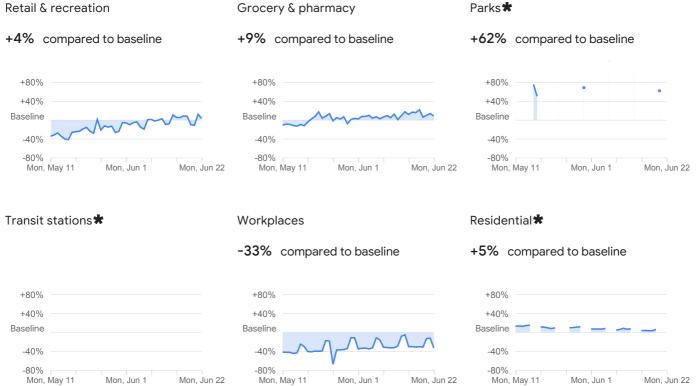




^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

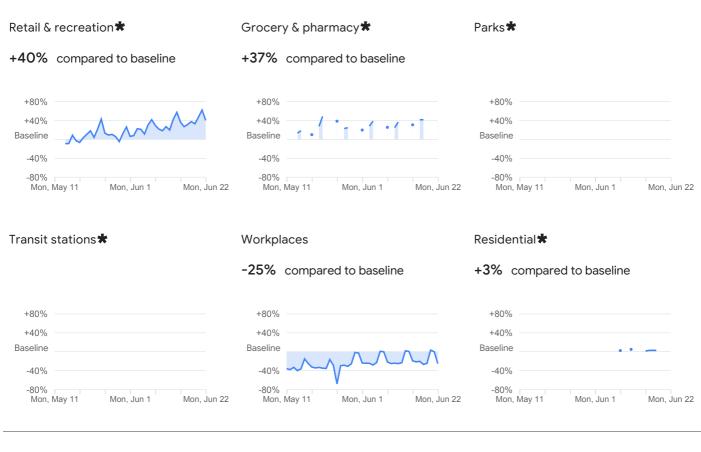
Manistee County



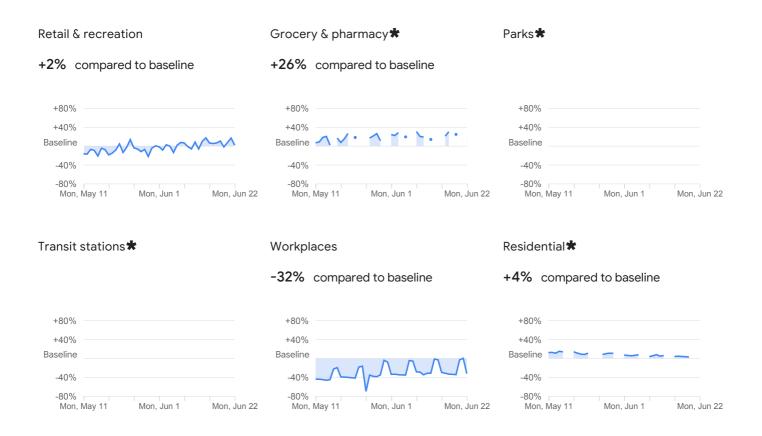


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Mason County

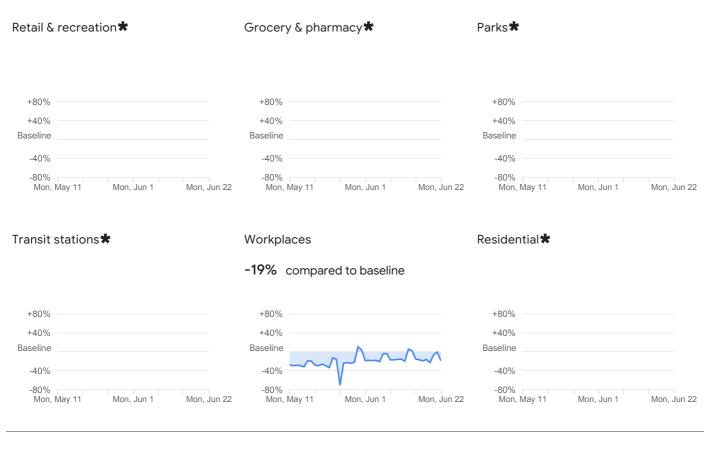


Mecosta County

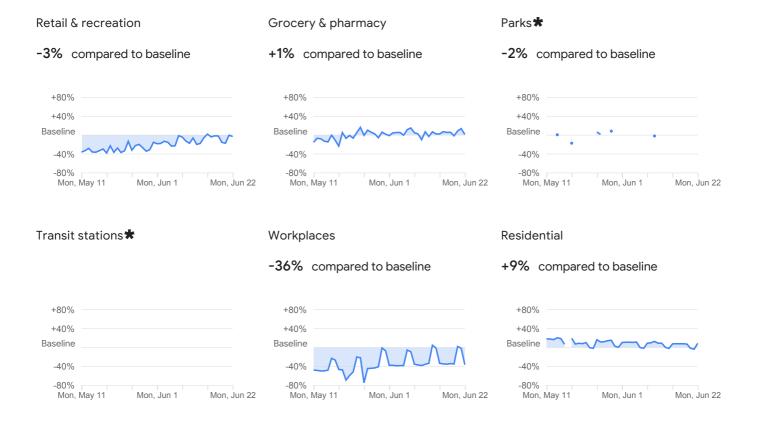


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Menominee County

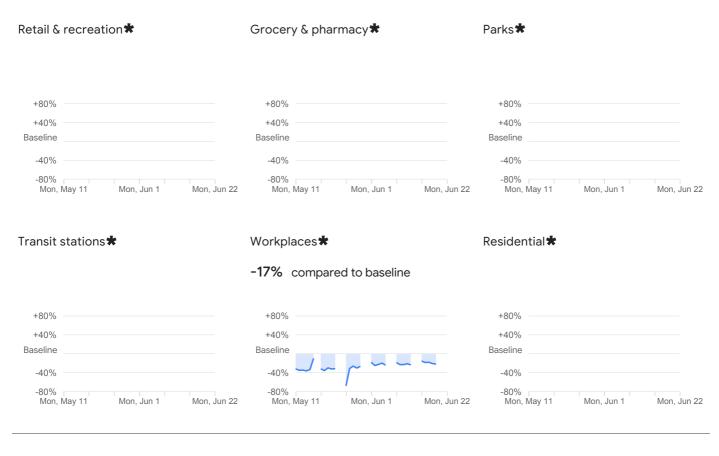


Midland County

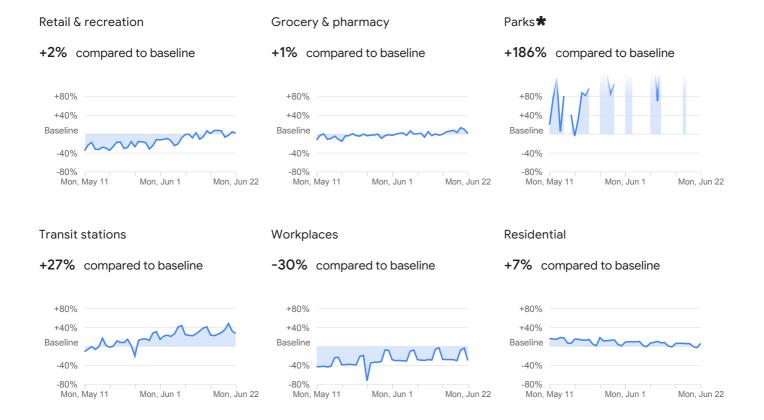


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Missaukee County

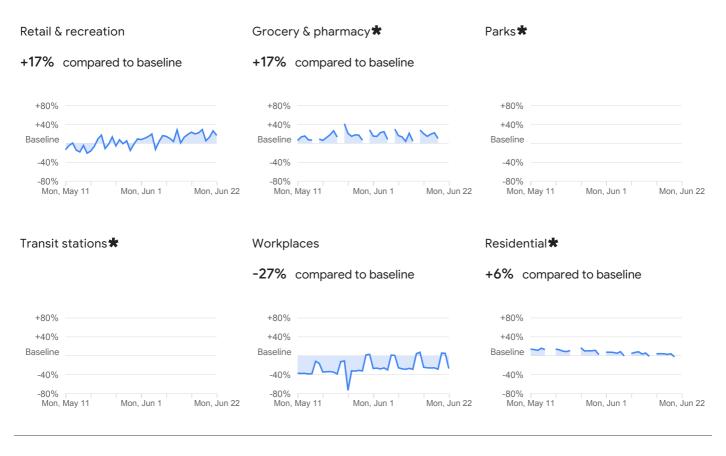


Monroe County

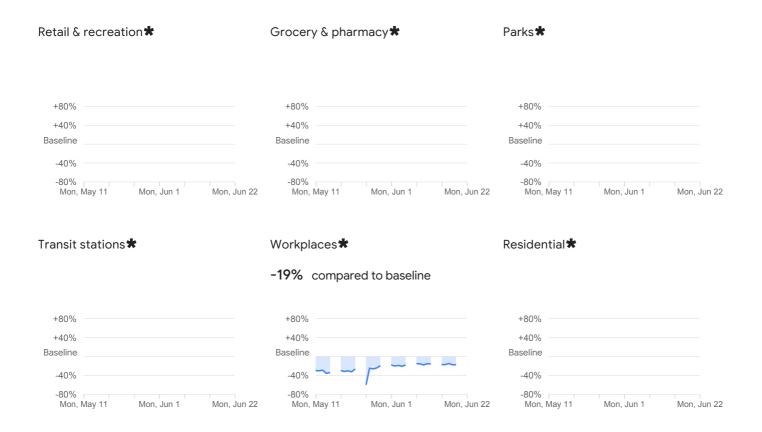


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Montcalm County

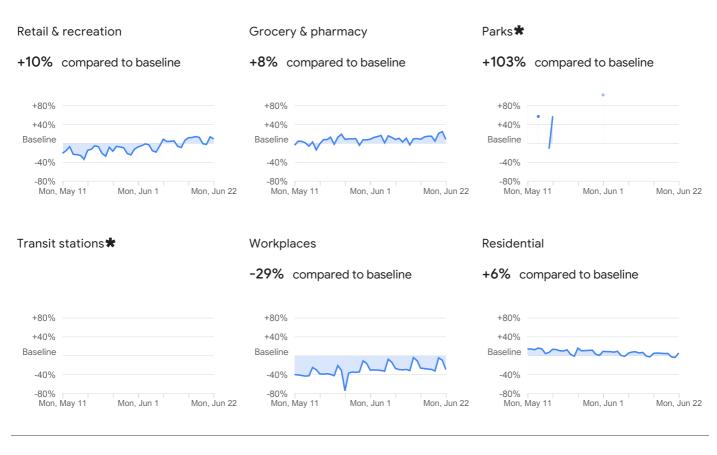


Montmorency County

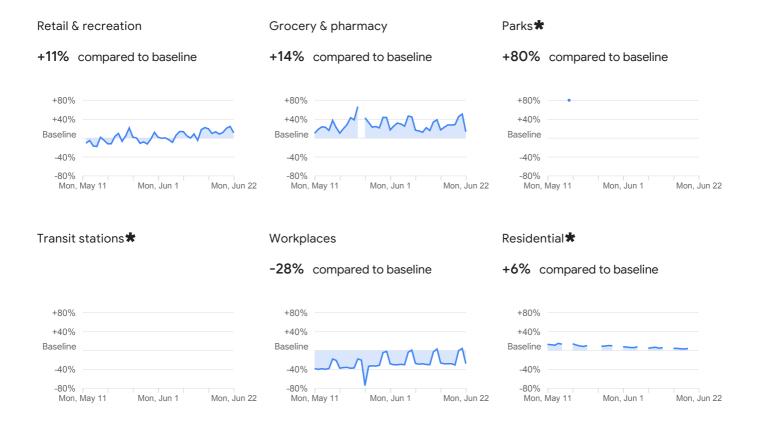


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Muskegon County

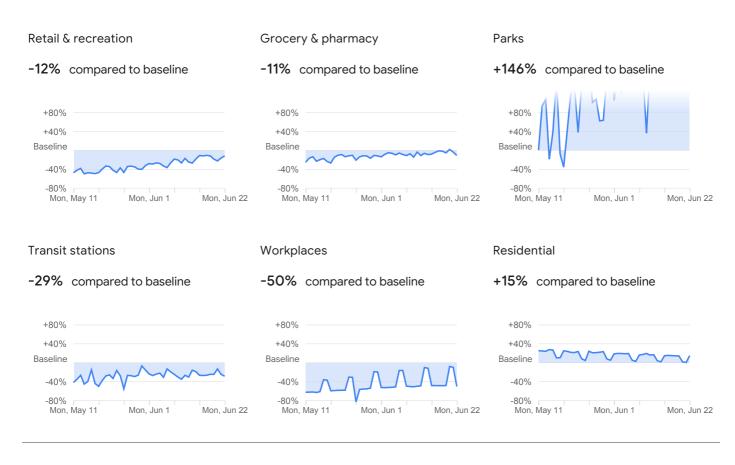


Newaygo County

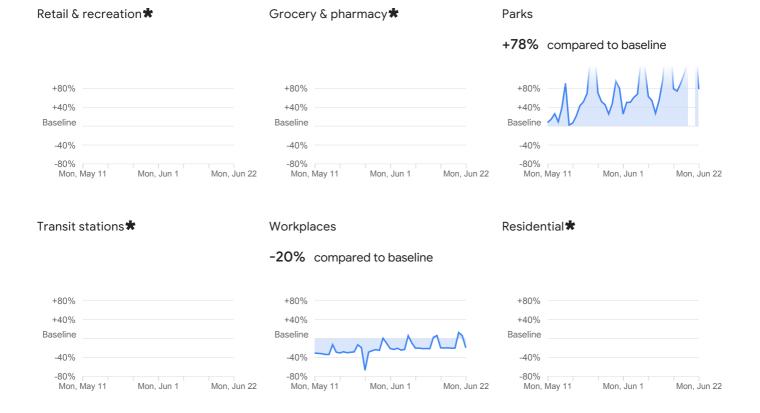


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Oakland County

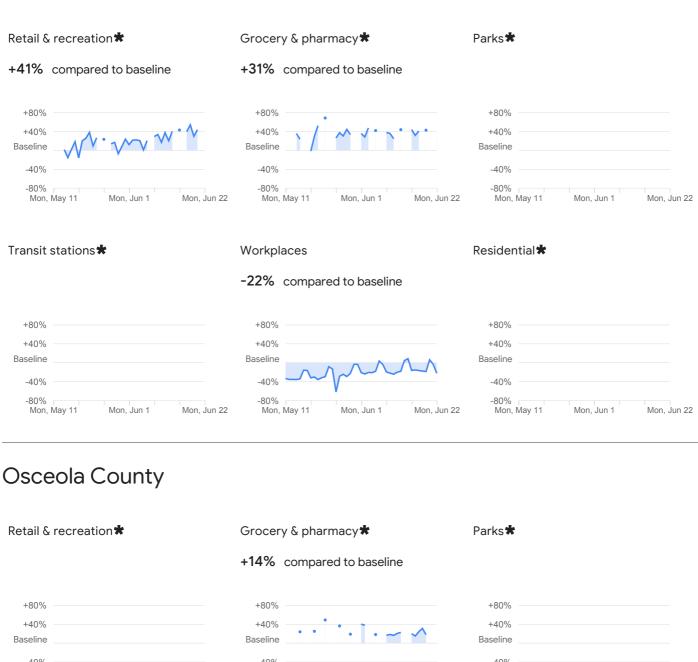


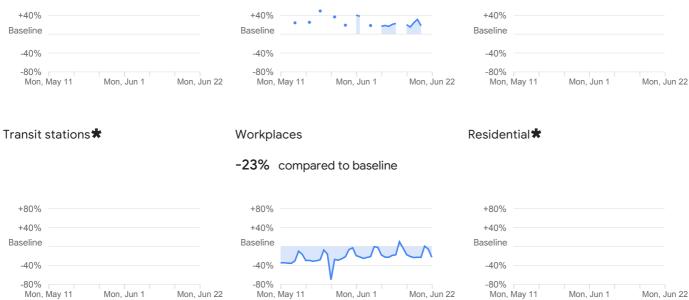
Oceana County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

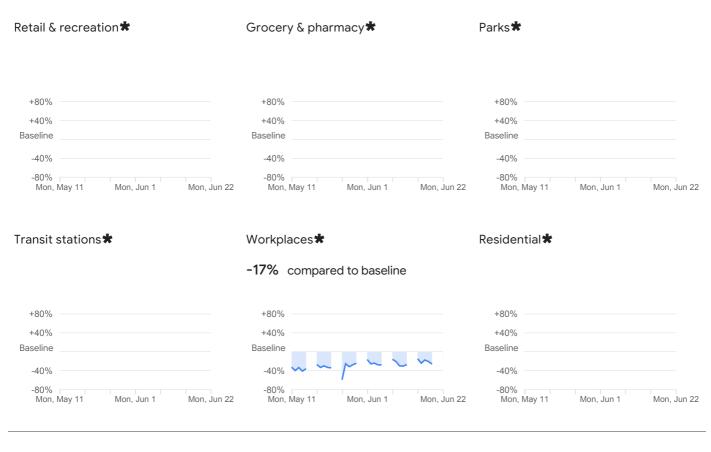
Ogemaw County



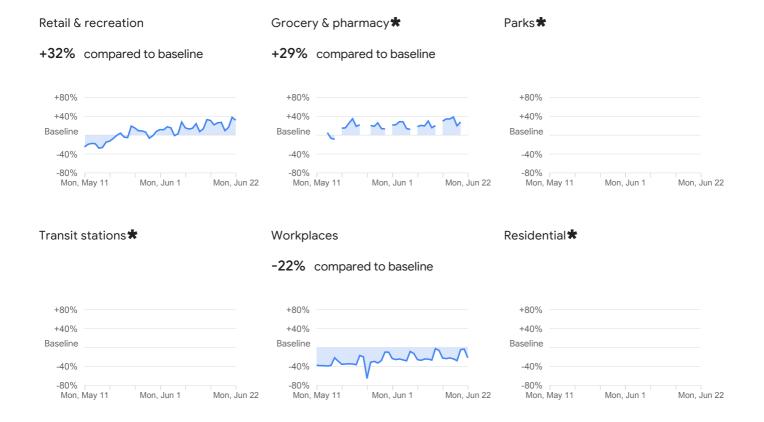


^{*} Not enough data for this date: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Oscoda County

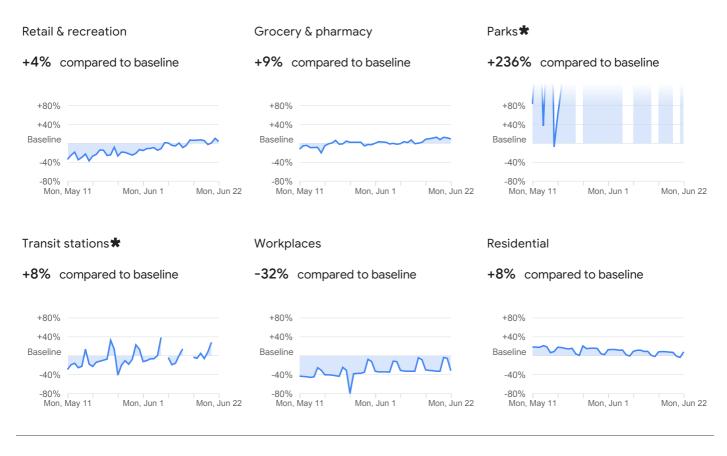


Otsego County

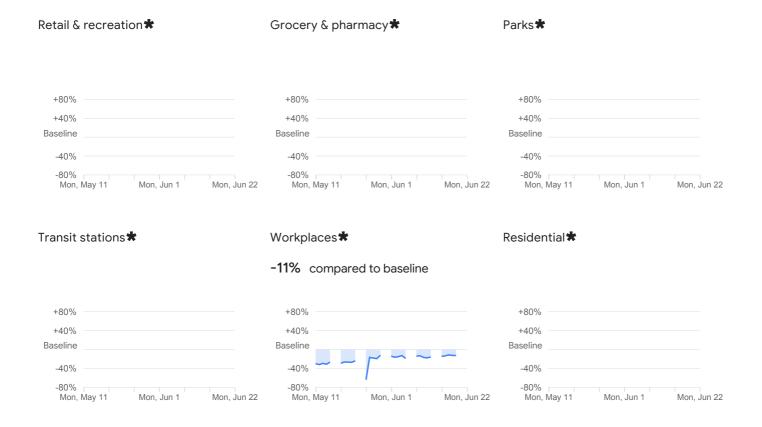


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Ottawa County

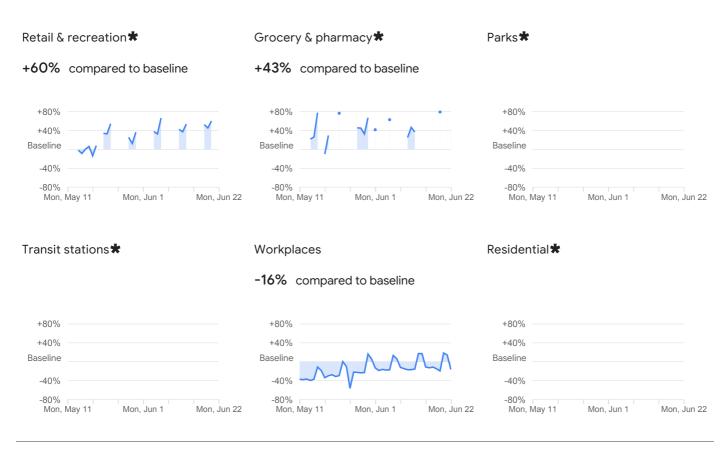


Presque Isle County

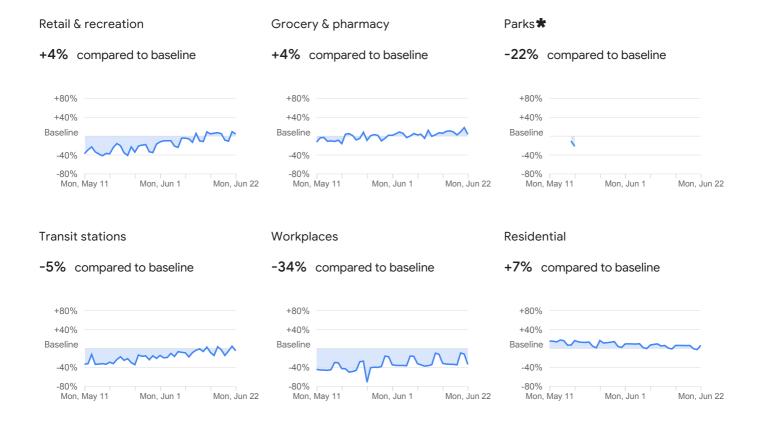


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Roscommon County

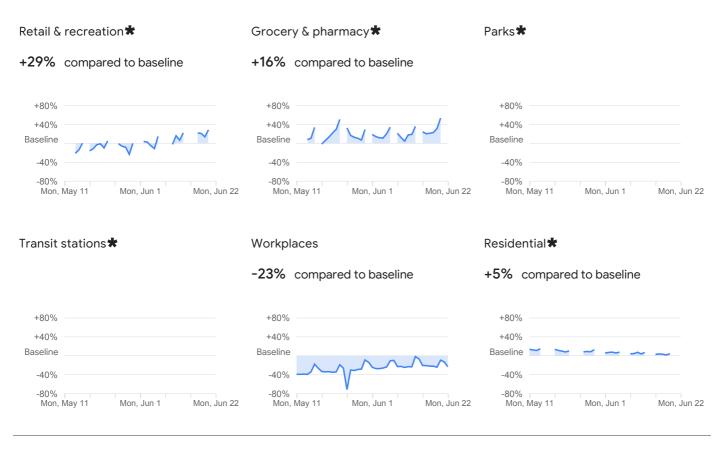


Saginaw County

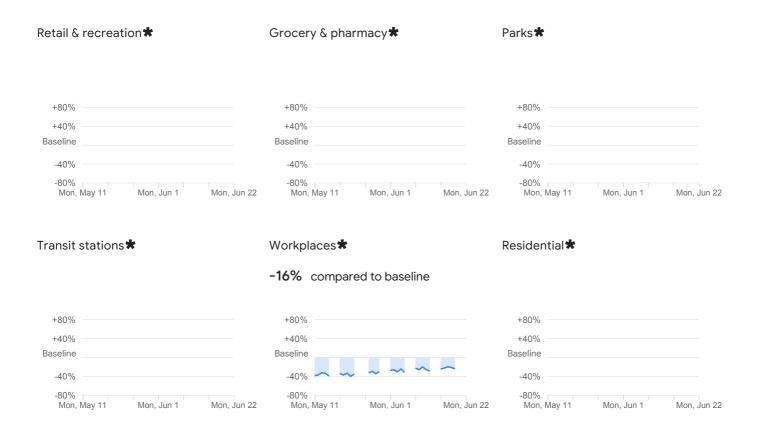


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Sanilac County

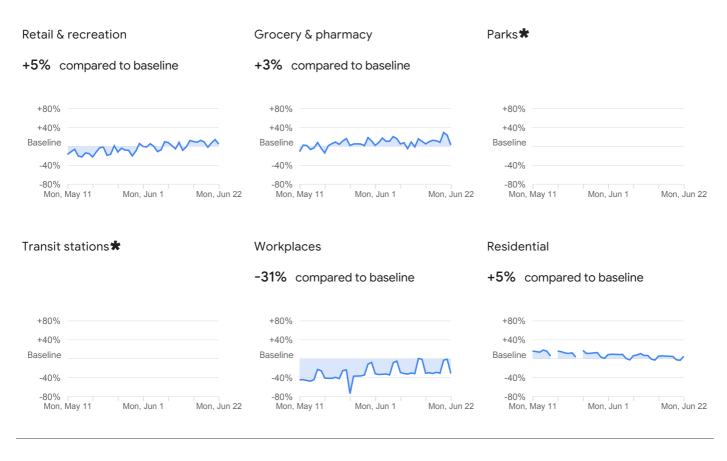


Schoolcraft County

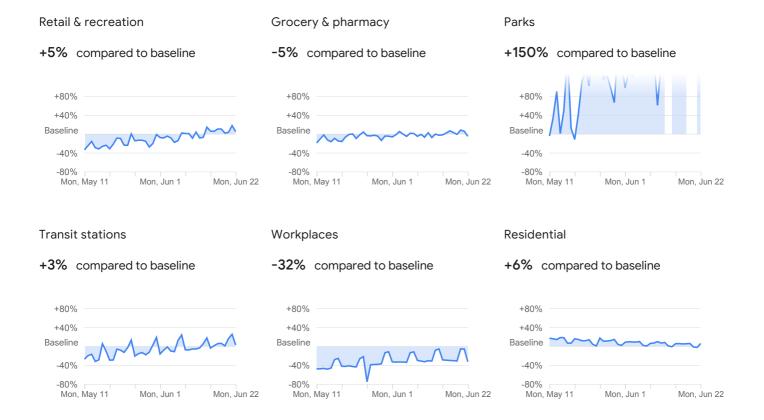


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Shiawassee County

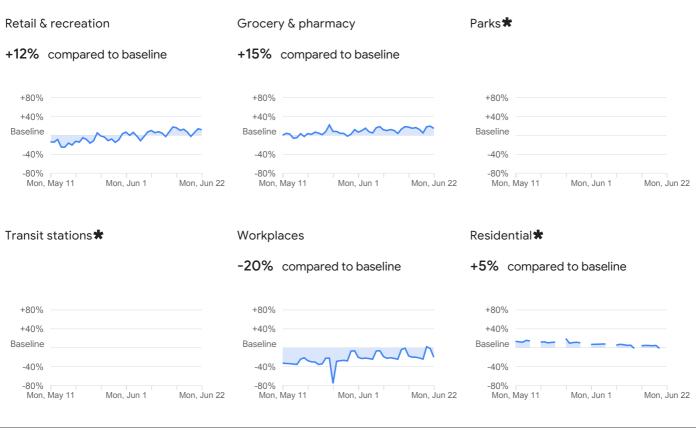


St. Clair County

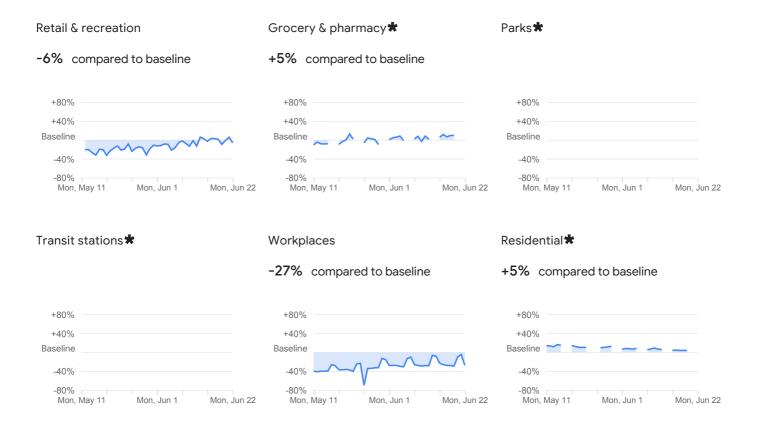


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

St. Joseph County

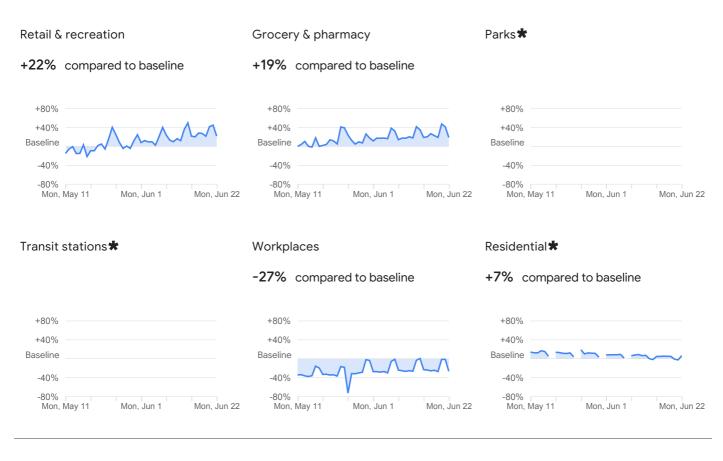


Tuscola County

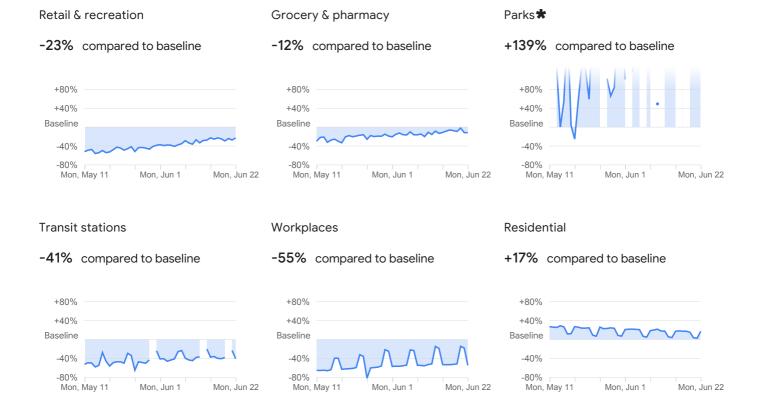


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Van Buren County

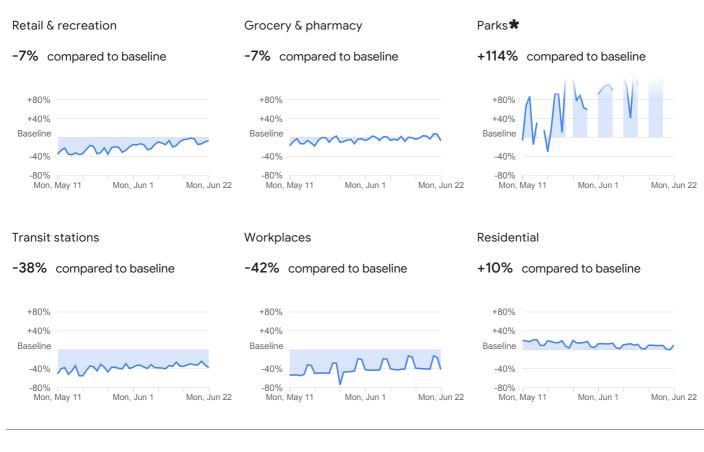


Washtenaw County

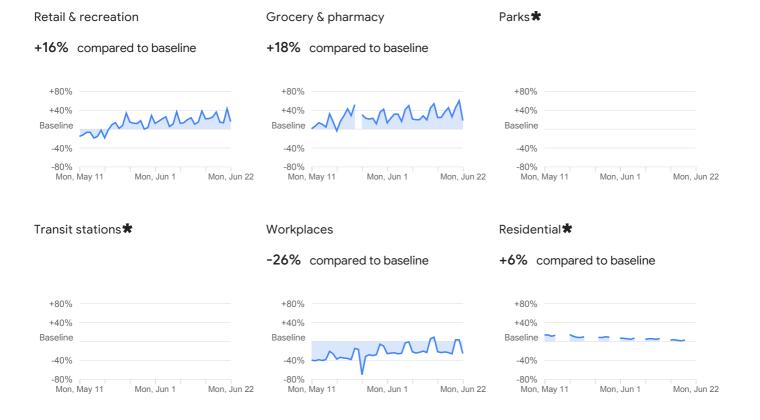


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Wayne County



Wexford County



^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

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