

Michigan May 16, 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.

Retail & recreation

compared to baseline



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

Grocery & pharmacy

compared to baseline



+80%

+40%

-40%

-80% Sat. Apr 4

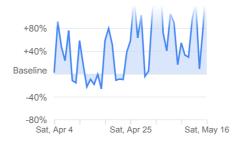
Baseline

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

Parks

+180%

compared to baseline



Sat, Apr 25

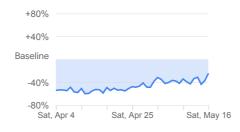
Sat, May 16

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

Transit stations

-24%

compared to baseline



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

Workplaces

-28%

compared to baseline



Mobility trends for places of work.

Residential

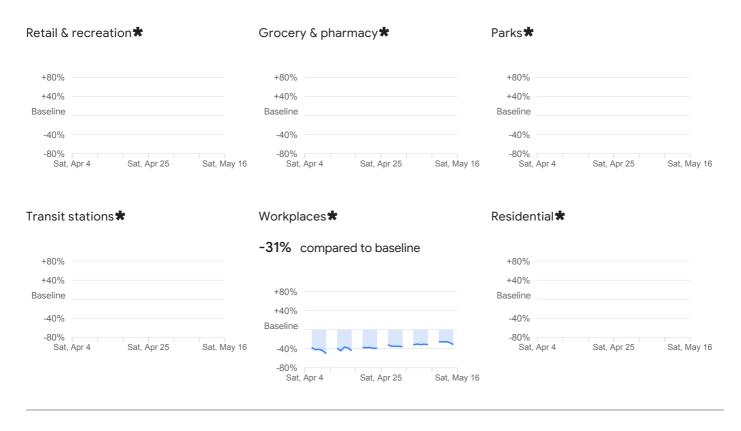
+8%

compared to baseline

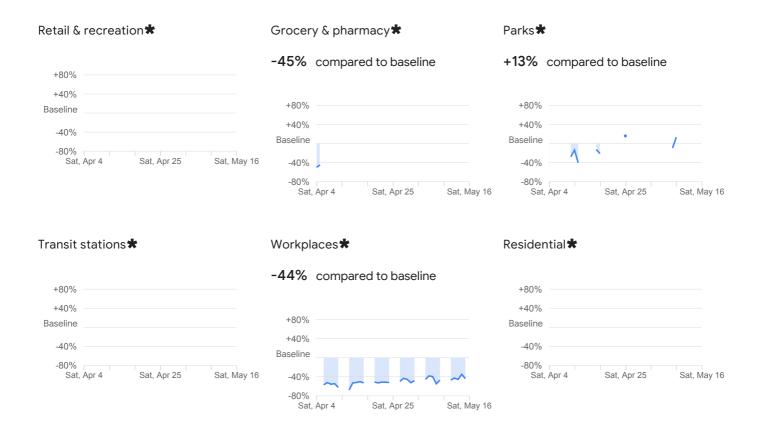


Mobility trends for places of residence.

Alcona County

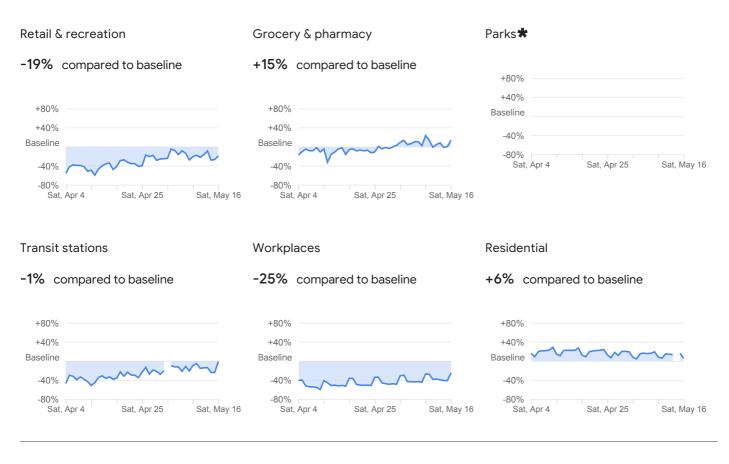


Alger County

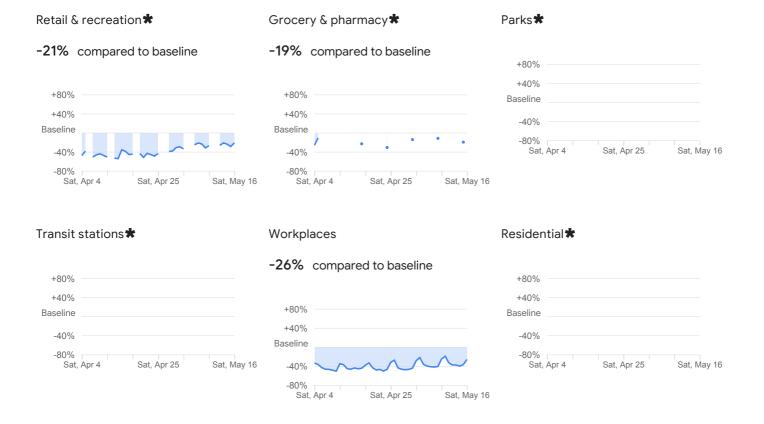


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Allegan County

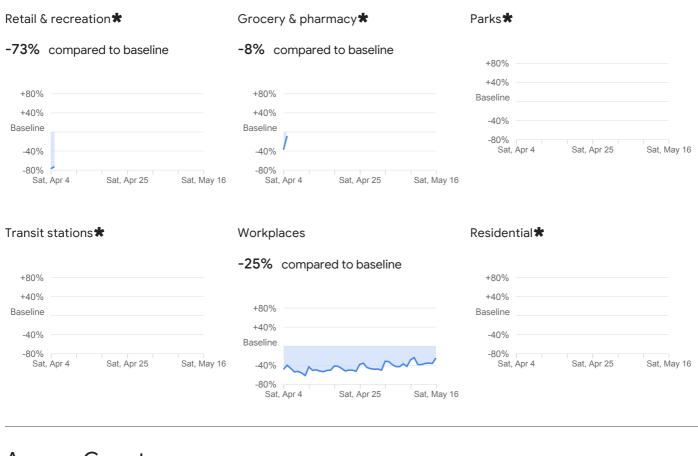


Alpena County

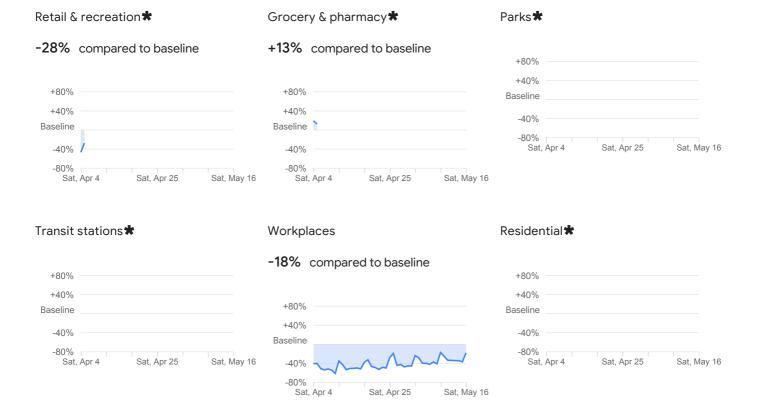


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Antrim County

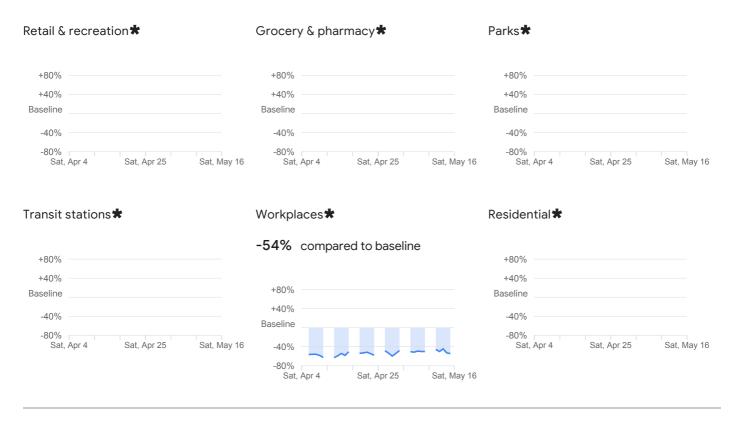


Arenac County

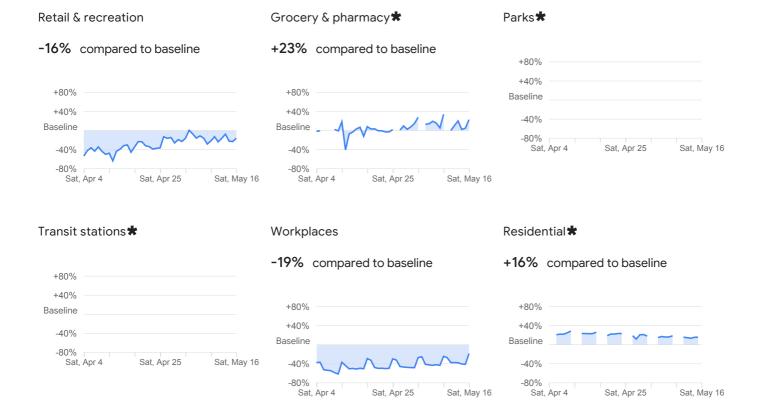


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Baraga County

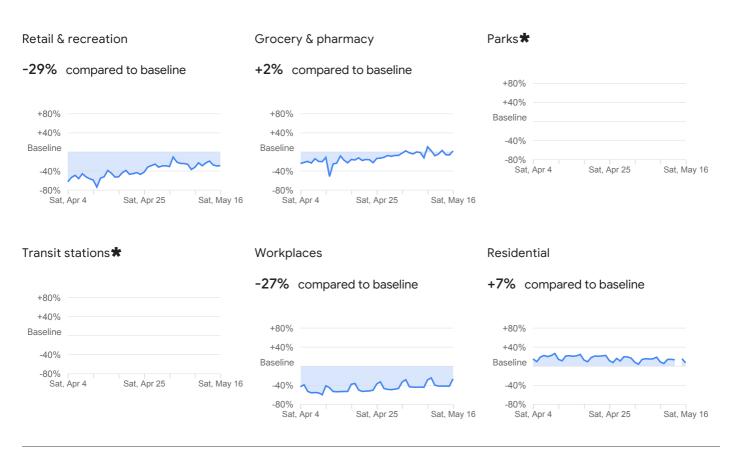


Barry County

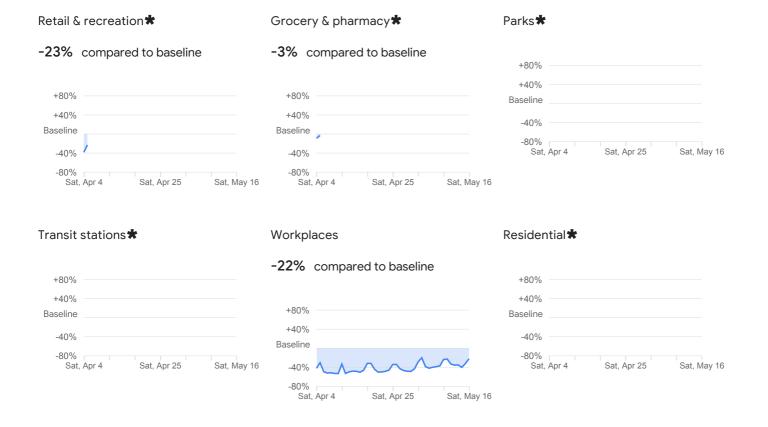


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Bay County



Benzie County



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Berrien County

+40%

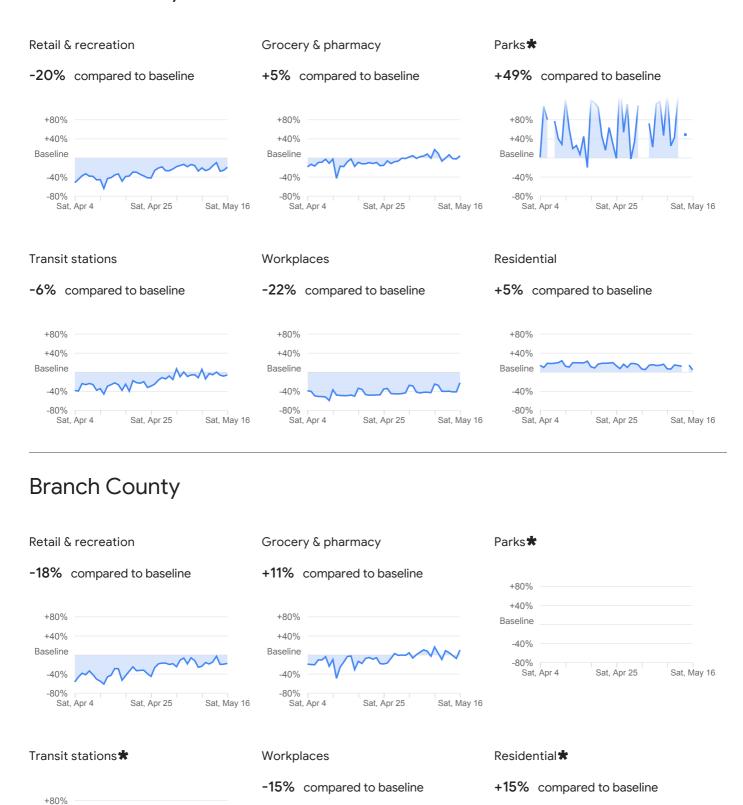
-40%

-80%

Sat. Apr 4

Sat, Apr 25

Baseline



Sat. Apr 25

+80%

+40%

-40% -80%

Sat Apr 4

Sat, May 16

Sat. Apr 25

Baseline

Sat. May 16

+80%

+40%

-40%

Sat Apr 4

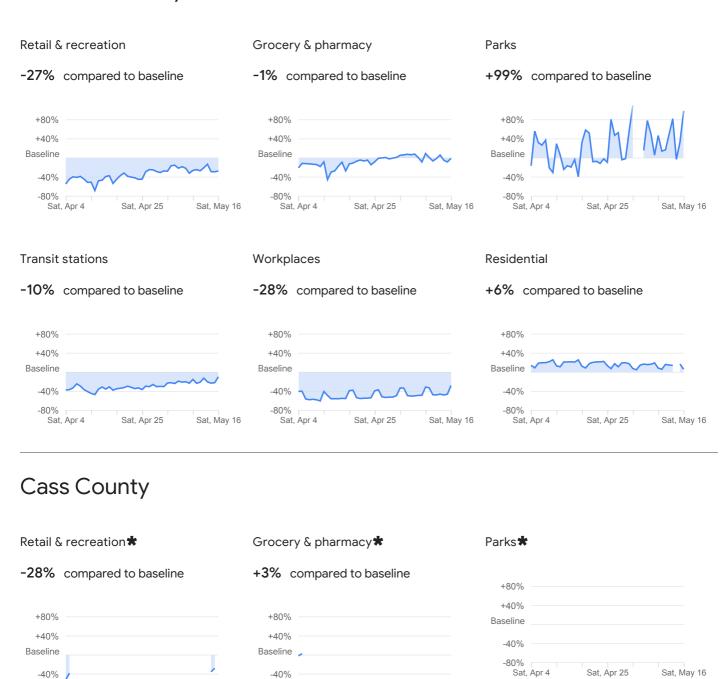
Baseline

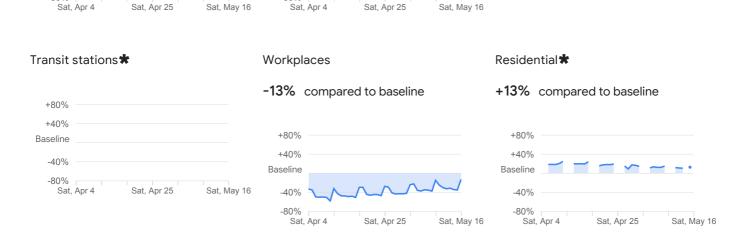
Sat, May 16

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Calhoun County

-80%

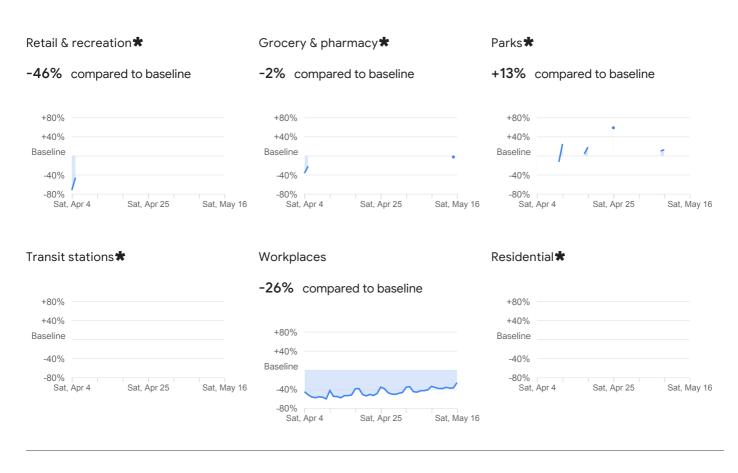




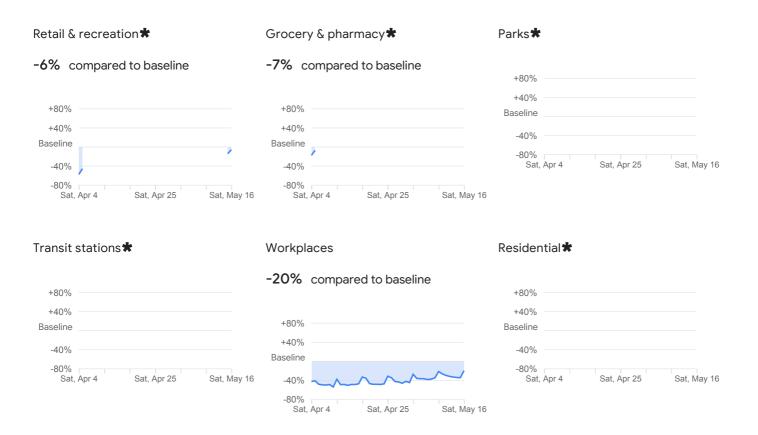
-80%

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Charlevoix County

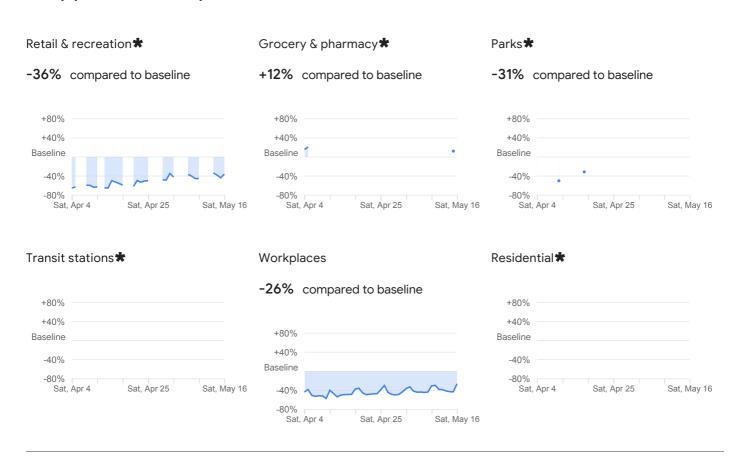


Cheboygan County

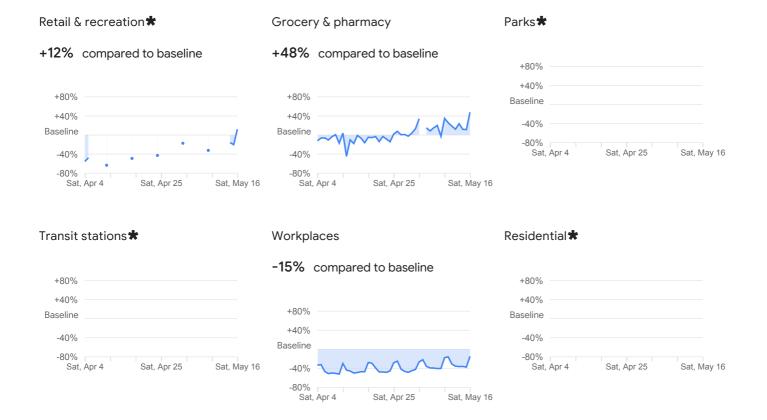


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Chippewa County

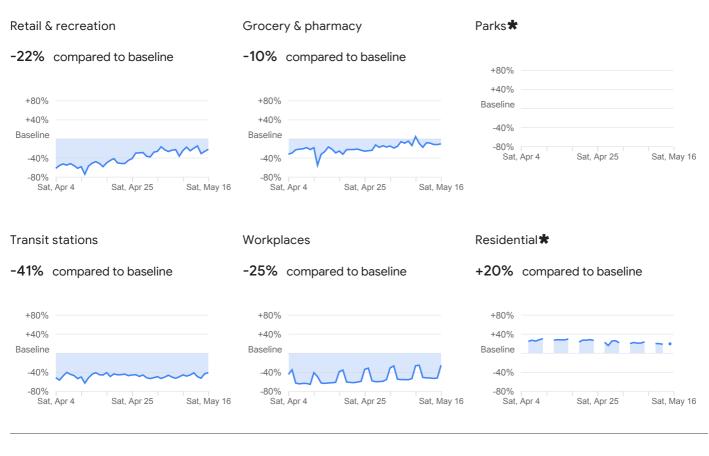


Clare County

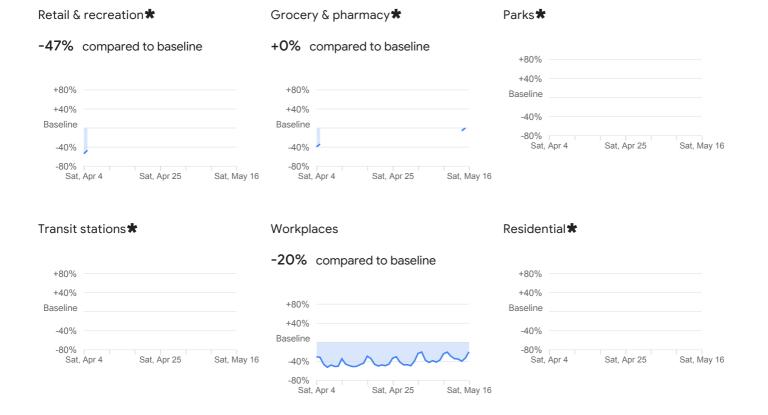


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Clinton County

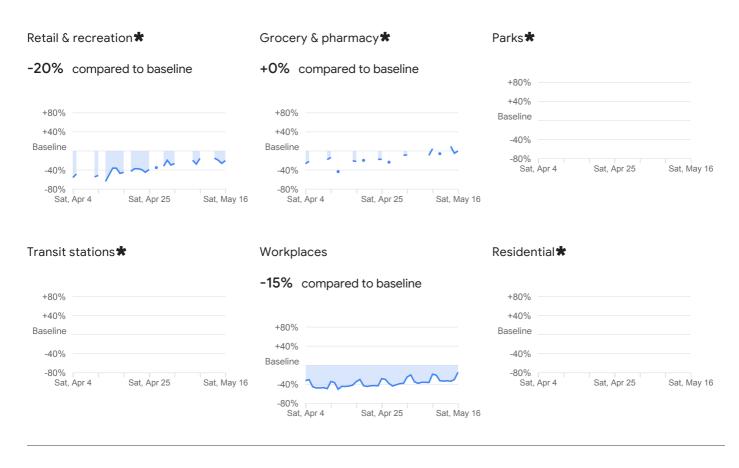


Crawford County

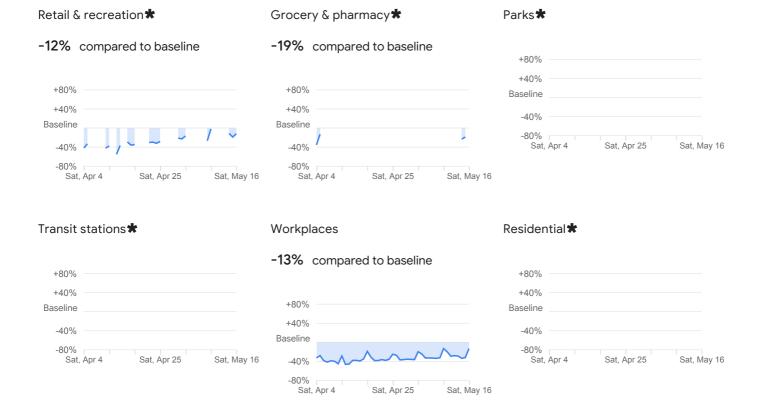


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Delta County

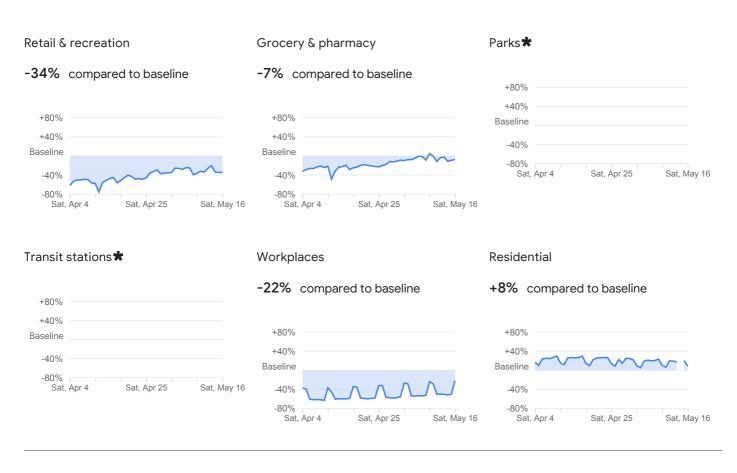


Dickinson County

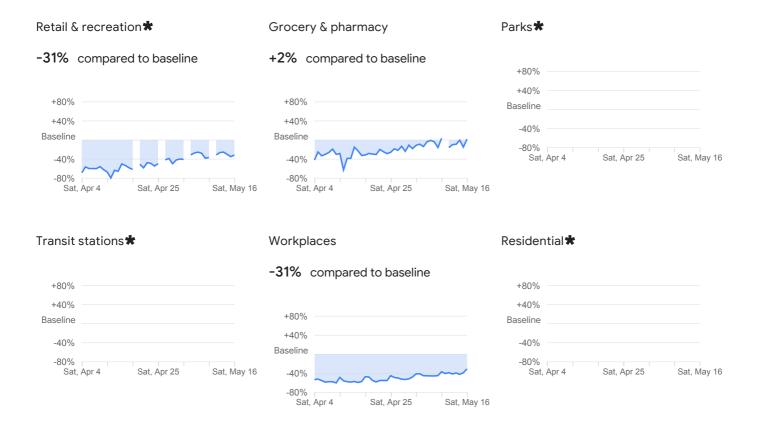


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Eaton County

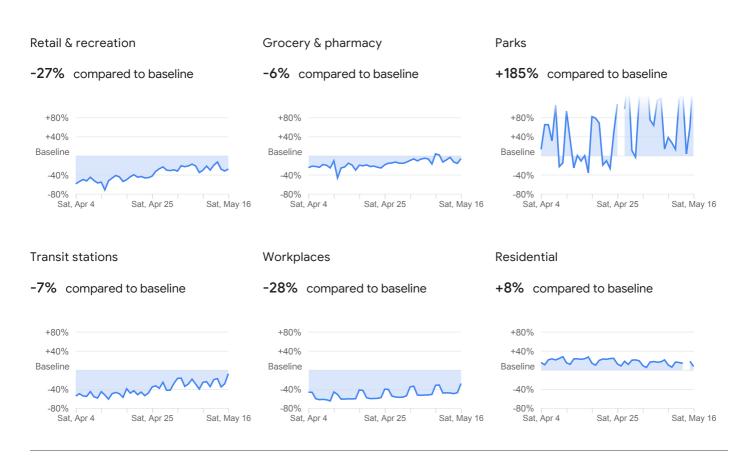


Emmet County

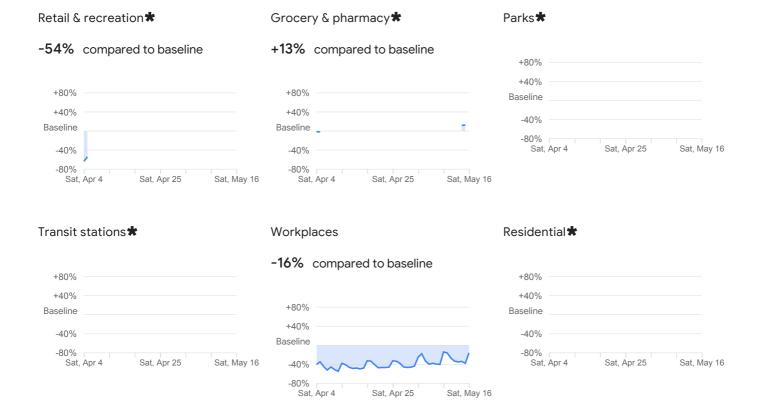


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Genesee County

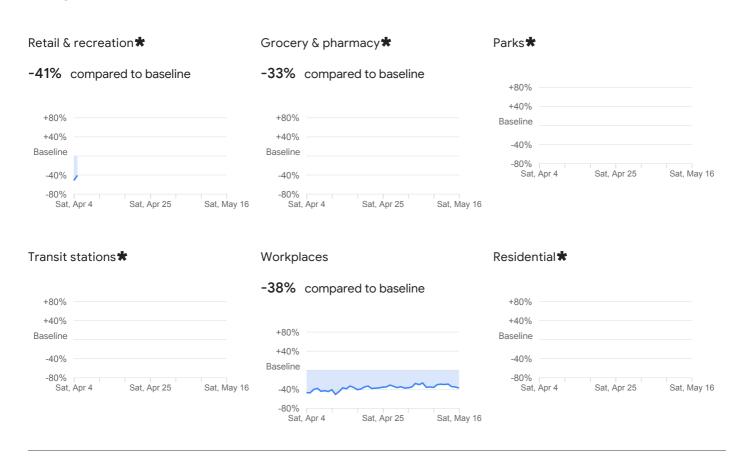


Gladwin County

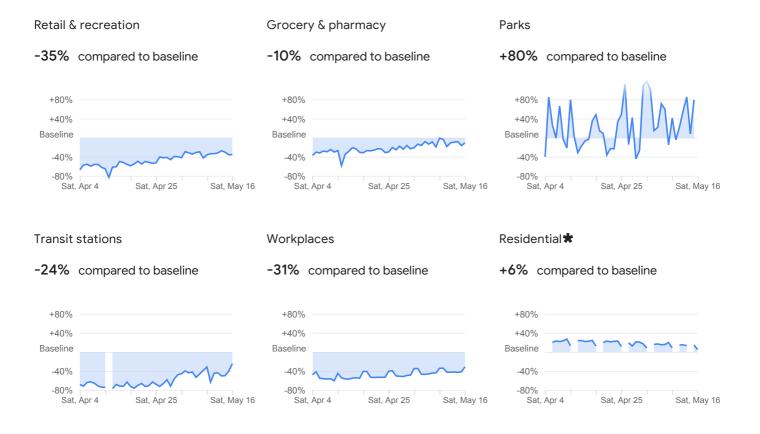


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Gogebic County



Grand Traverse County



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Gratiot County

Sat, Apr 25

Sat. Apr 4

Sat, May 16

-40%

Sat Apr 4



Sat. Apr 25

-40%

Sat Apr 4

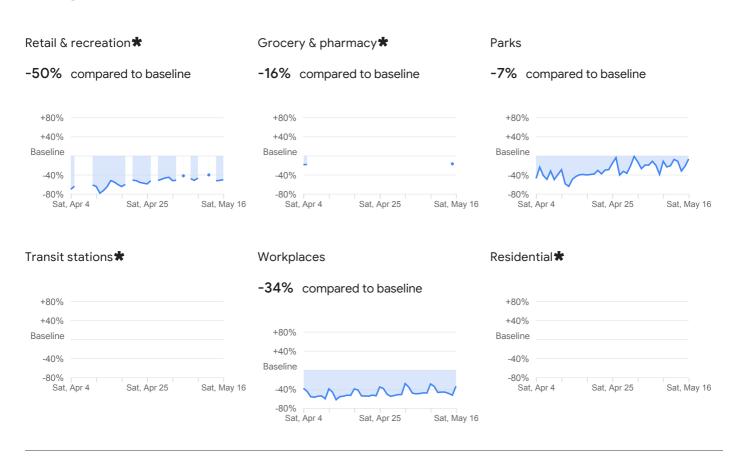
Sat Apr 25

Sat. May 16

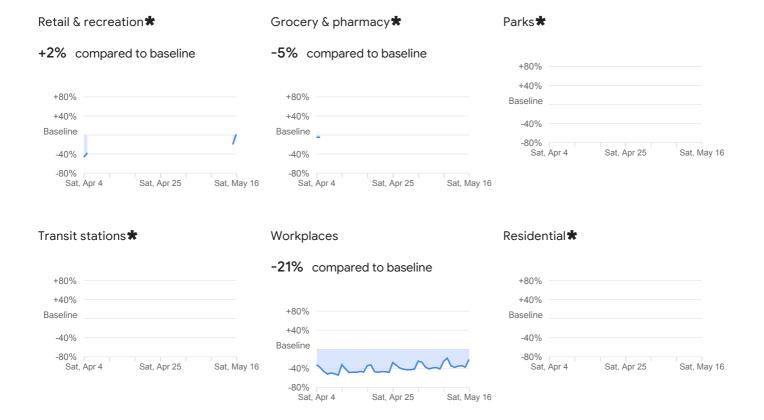
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Houghton County



Huron County



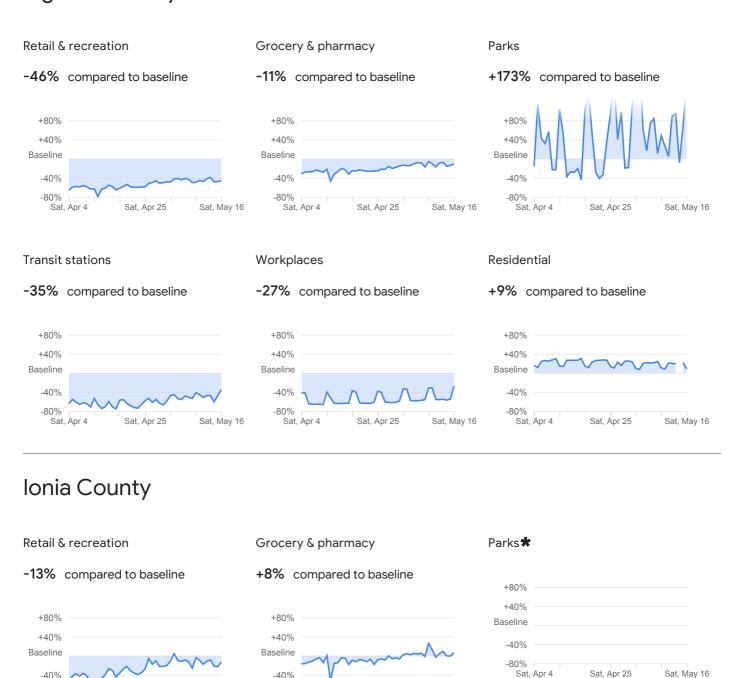
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Ingham County

-80%

Sat. Apr 4

Sat. Apr 25





Sat. Apr 25

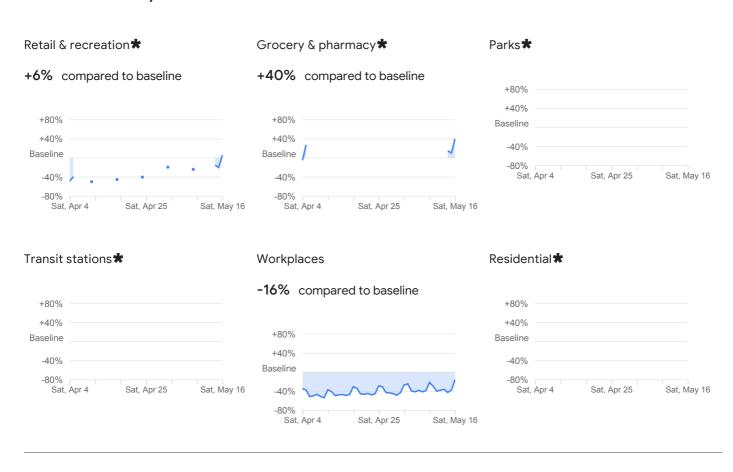
Sat, May 16

-80% Sat, Apr 4

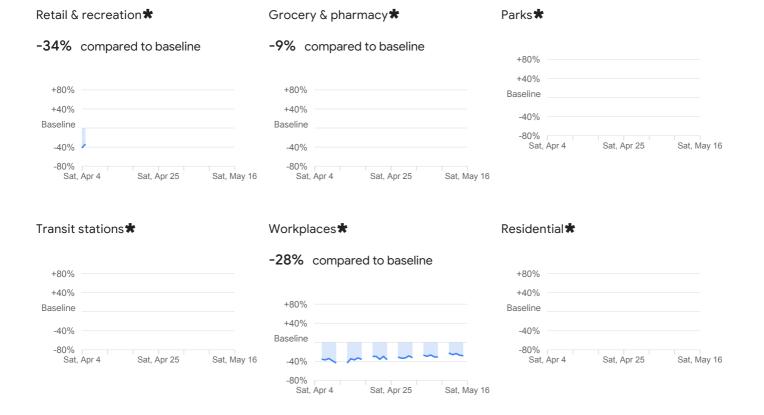
Sat. May 16

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losco County

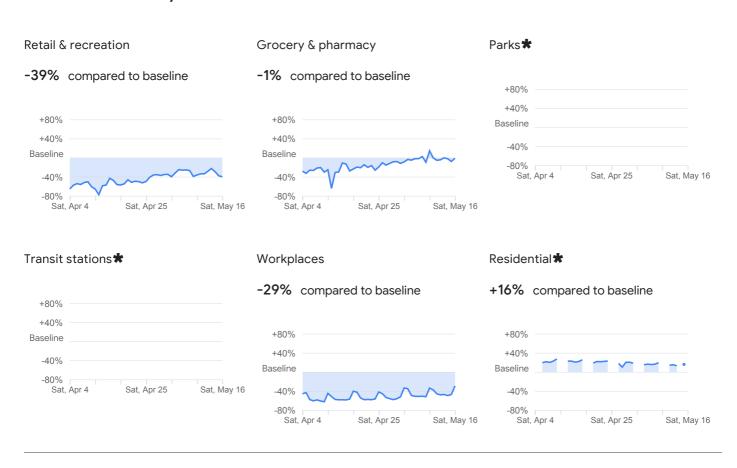


Iron County

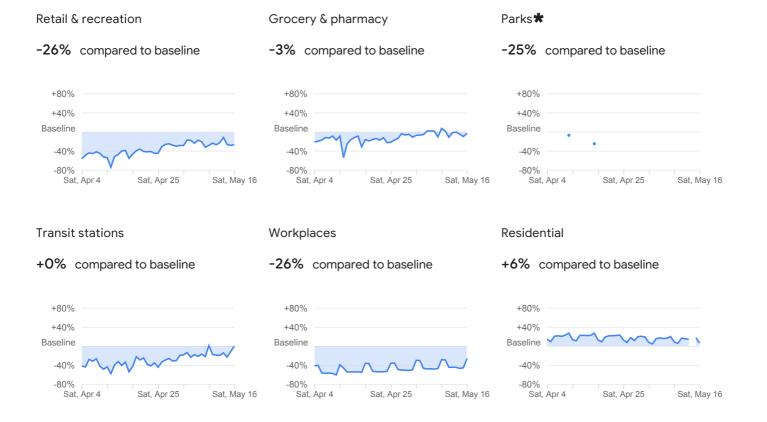


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Isabella County

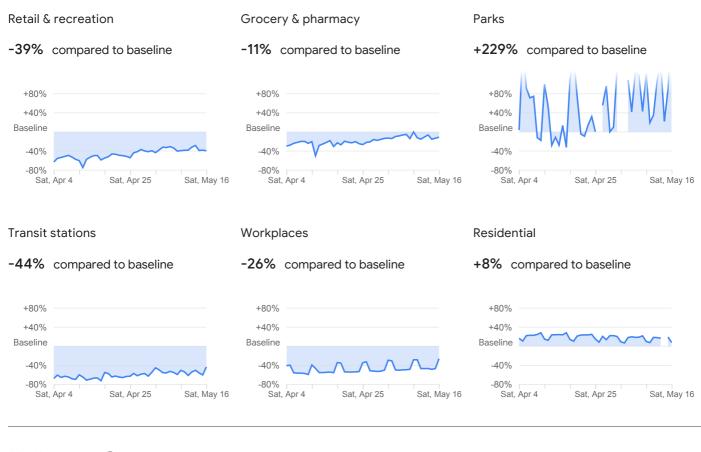


Jackson County

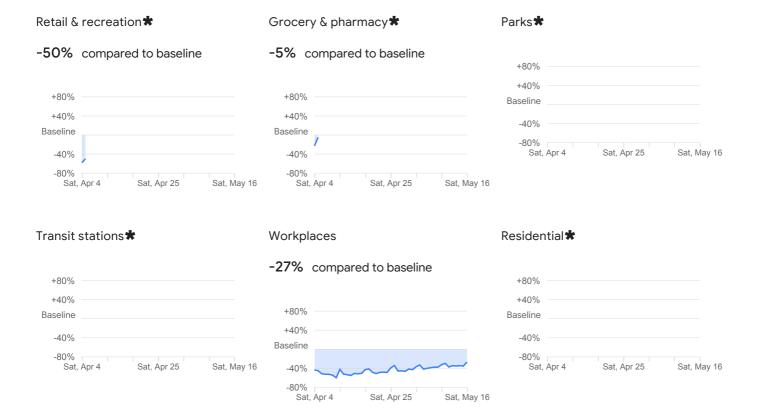


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Kalamazoo County

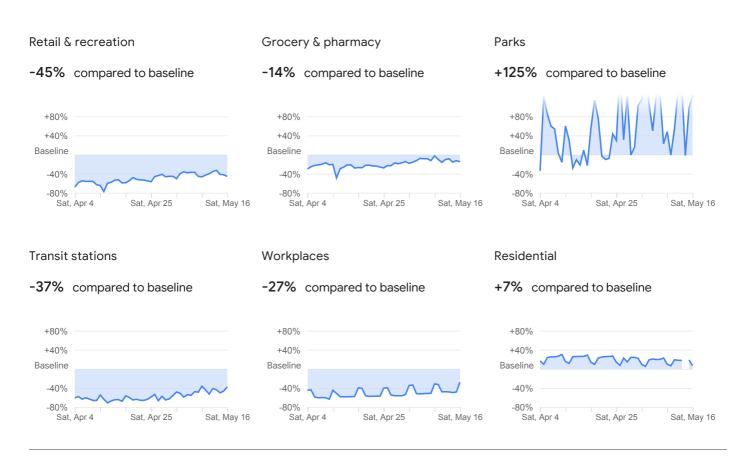


Kalkaska County

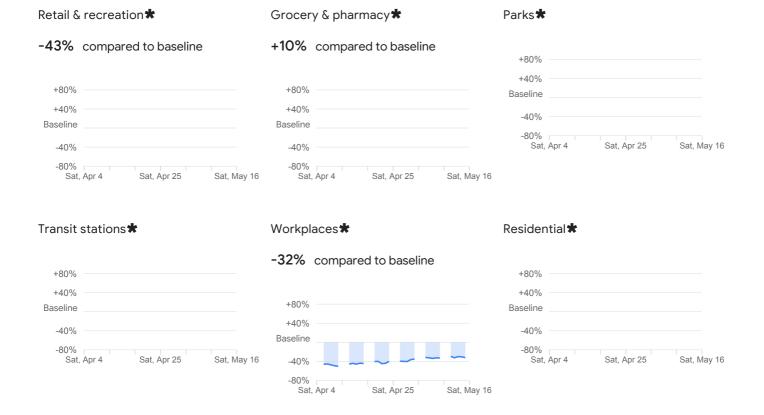


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Kent County

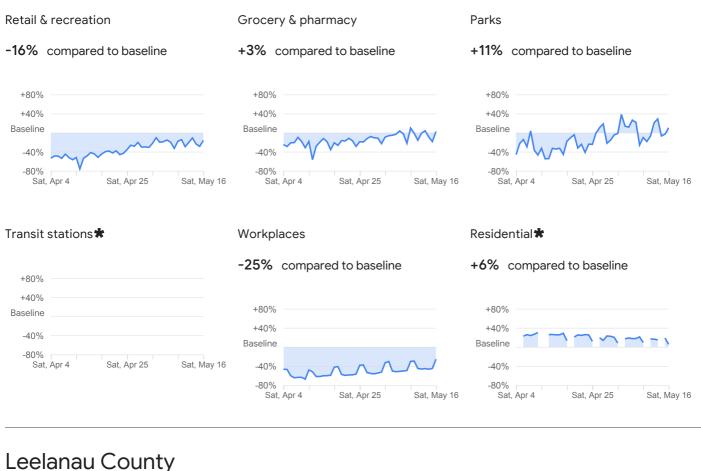


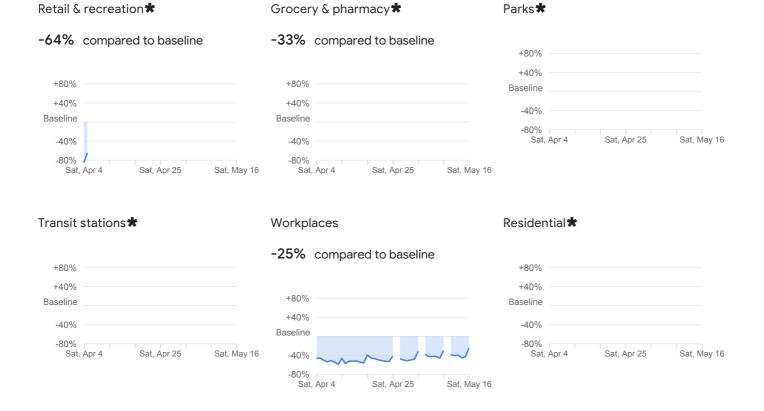
Lake County



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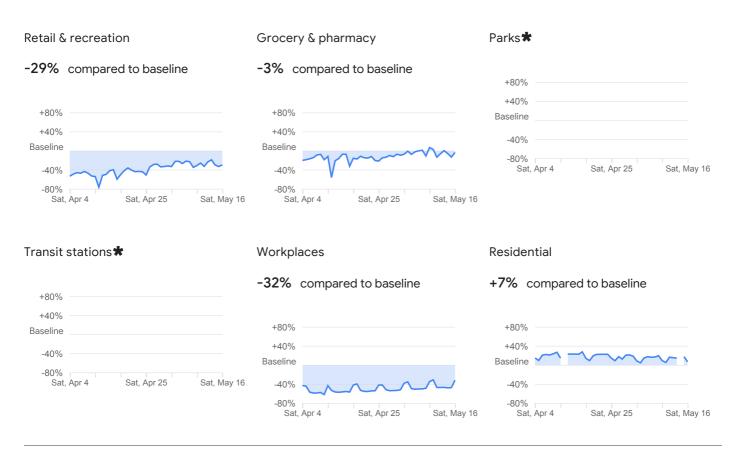
Lapeer County



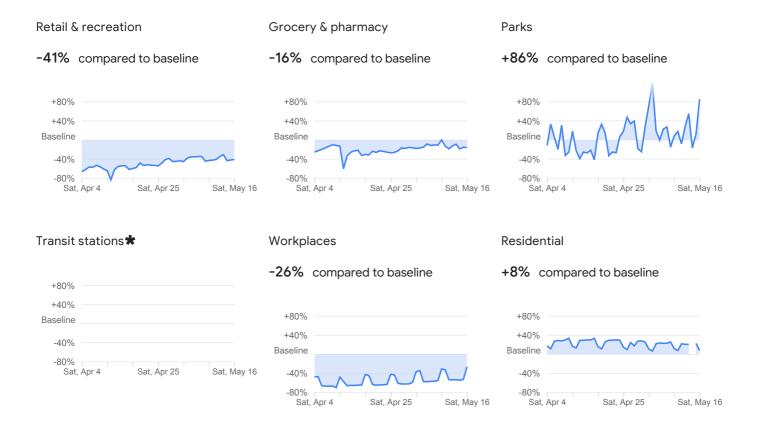


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Lenawee County

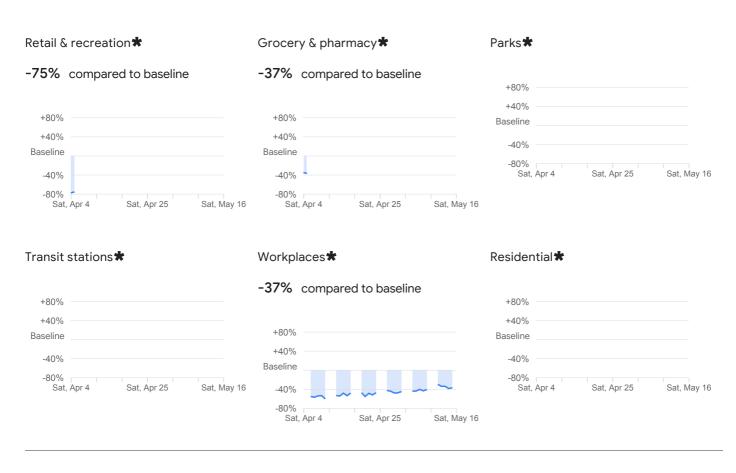


Livingston County

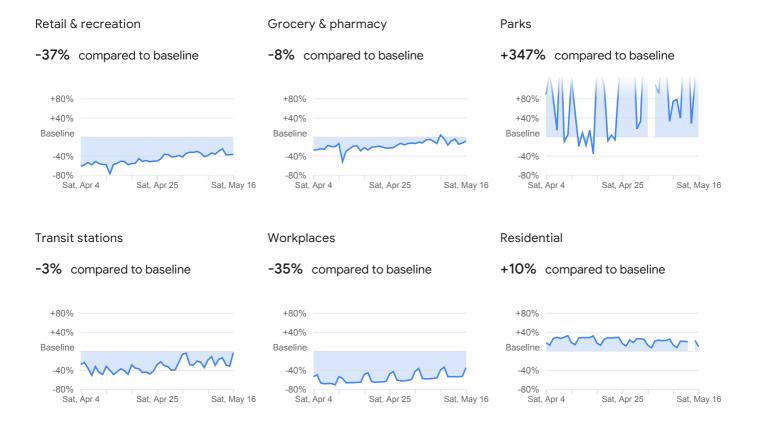


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Mackinac County

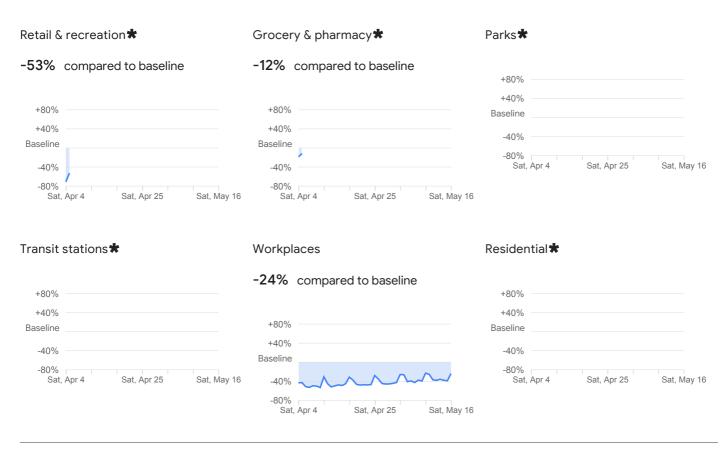


Macomb County

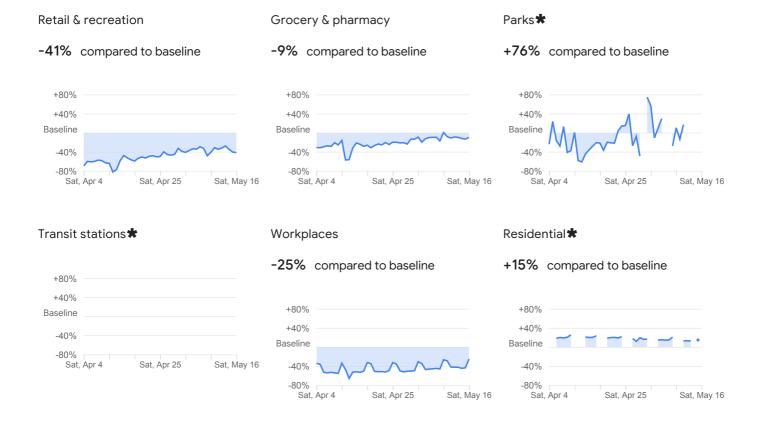


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Manistee County

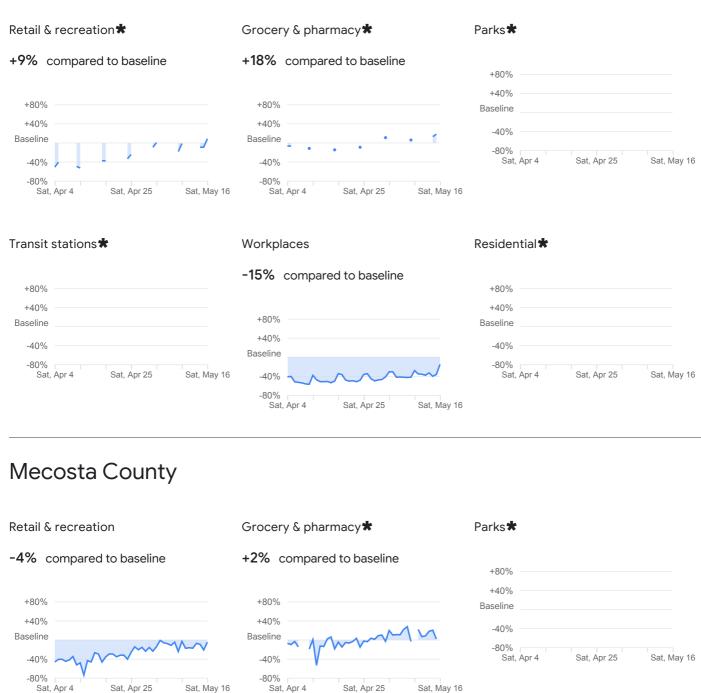


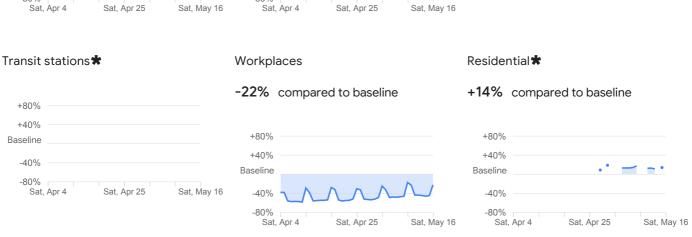
Marquette County



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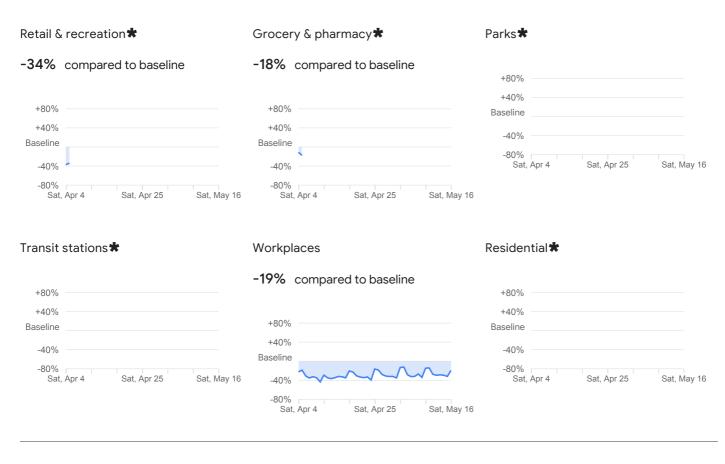
Mason County



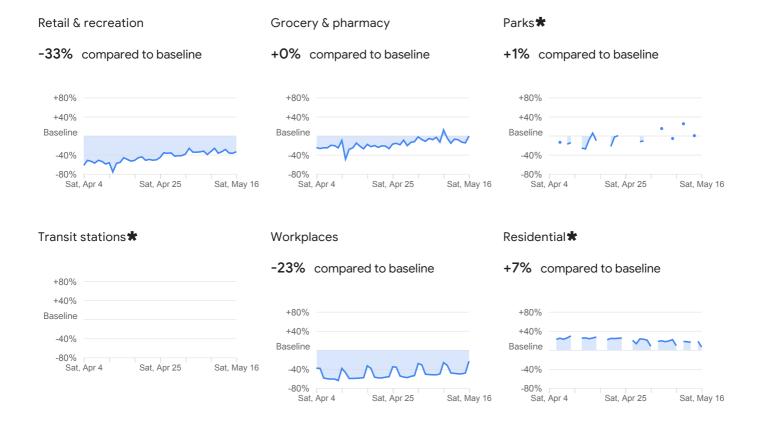


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Menominee County

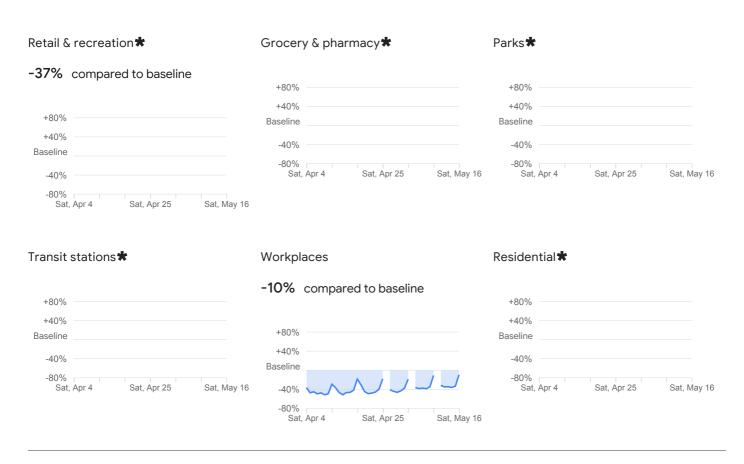


Midland County

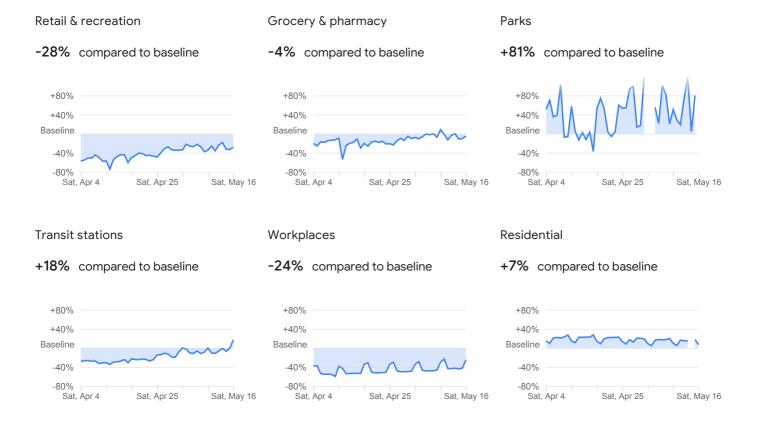


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Missaukee County

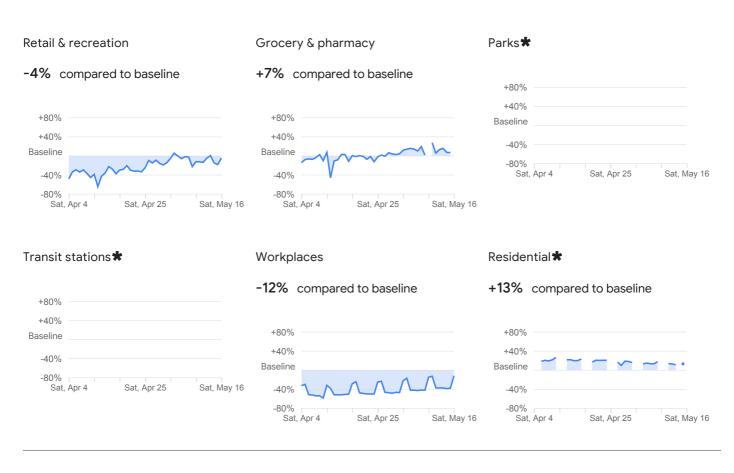


Monroe County

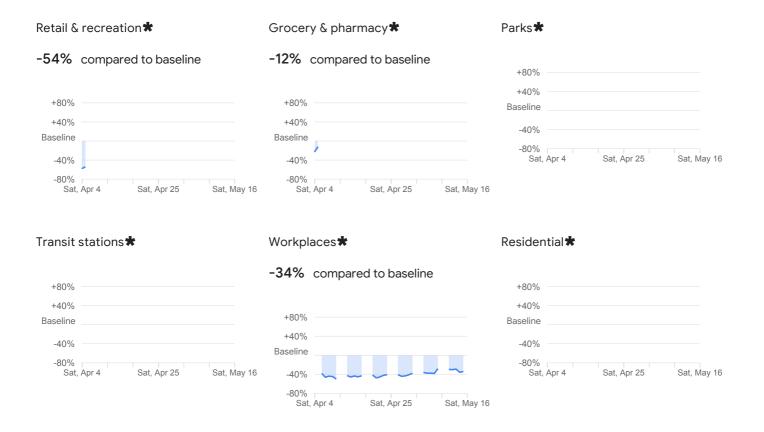


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Montcalm County

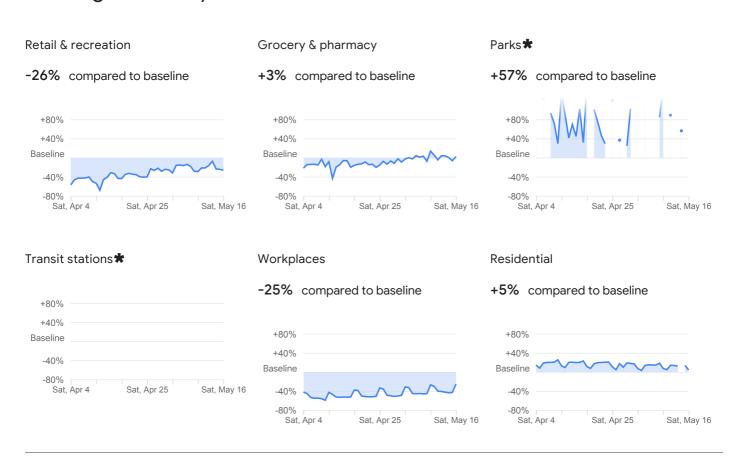


Montmorency County

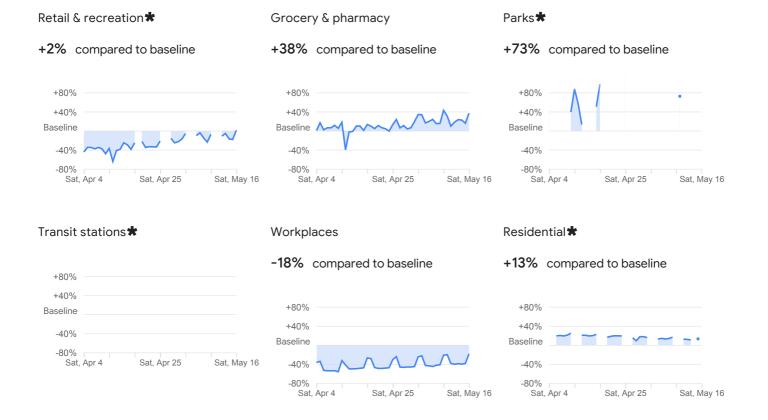


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Muskegon County

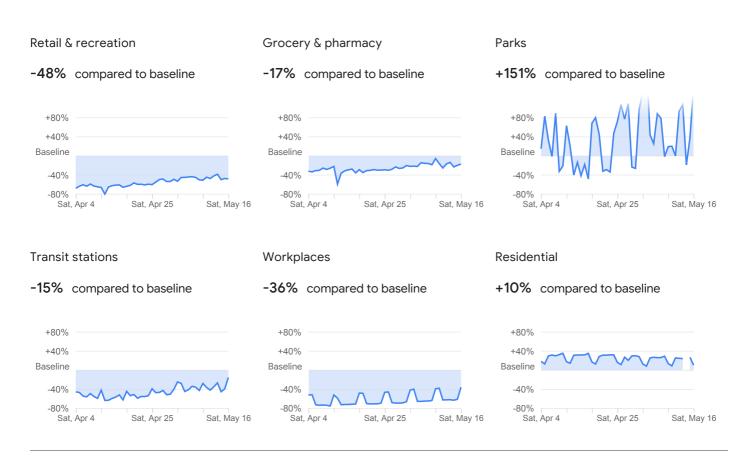


Newaygo County

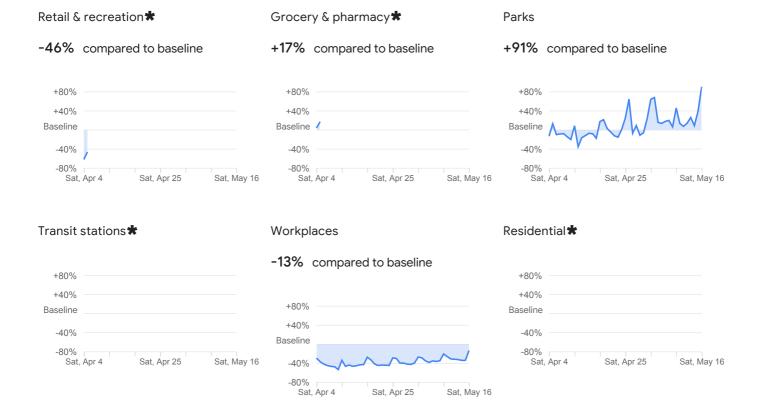


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Oakland County

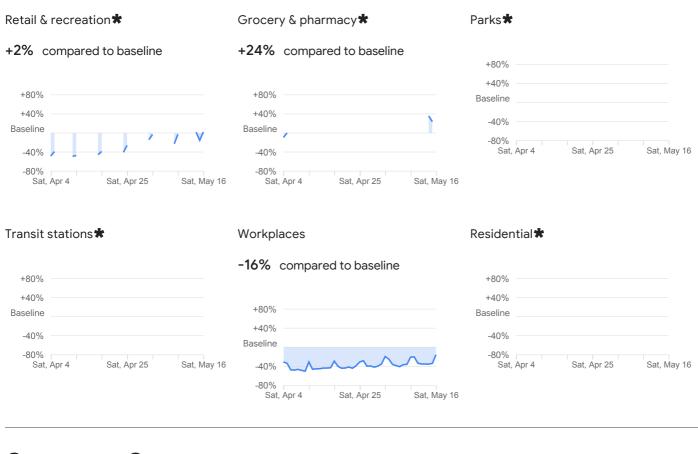


Oceana County

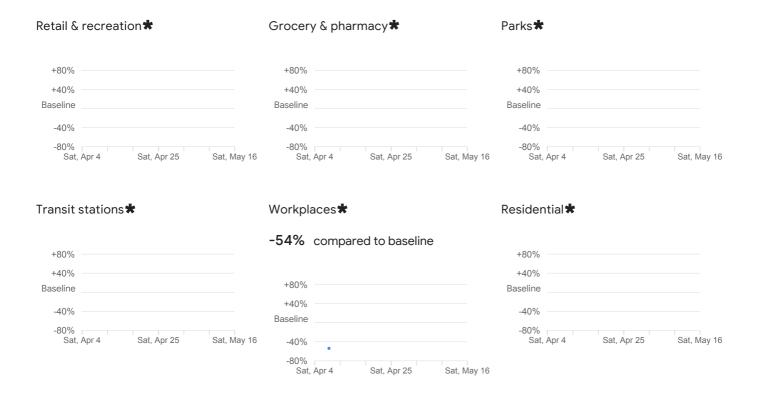


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Ogemaw County

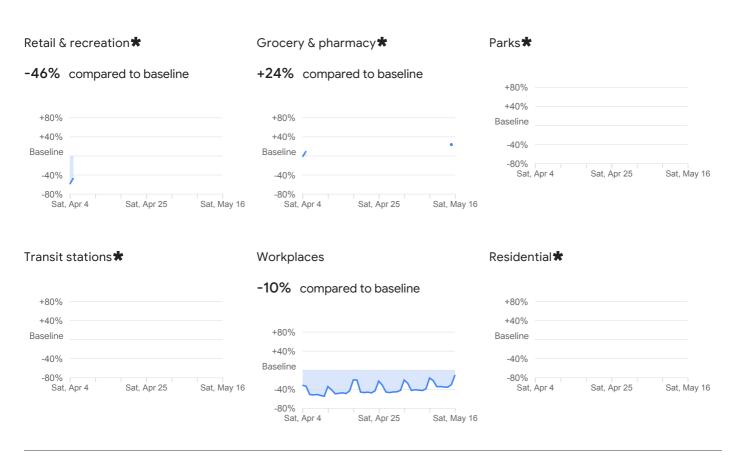


Ontonagon County



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Osceola County

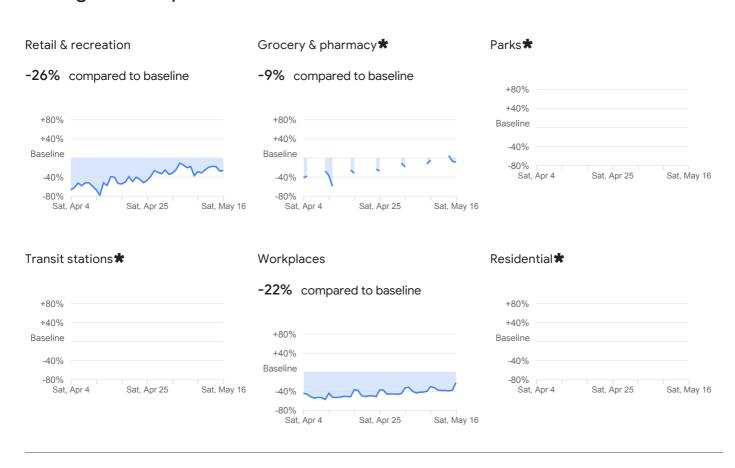


Oscoda County

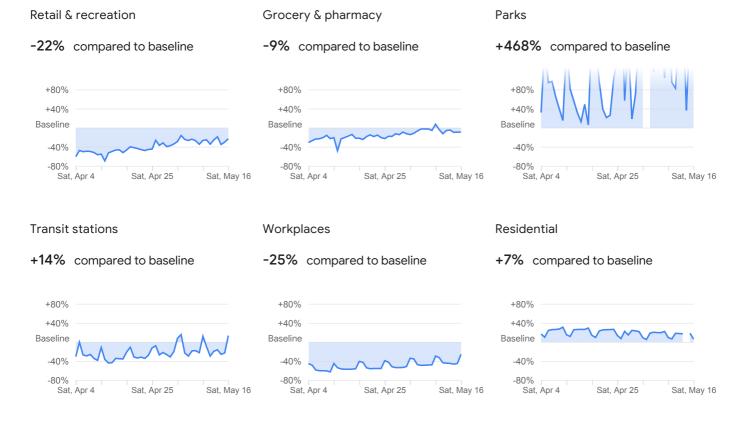


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Otsego County

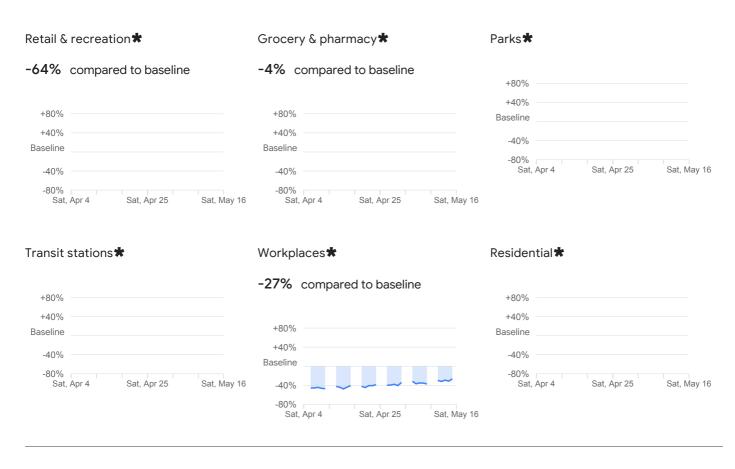


Ottawa County

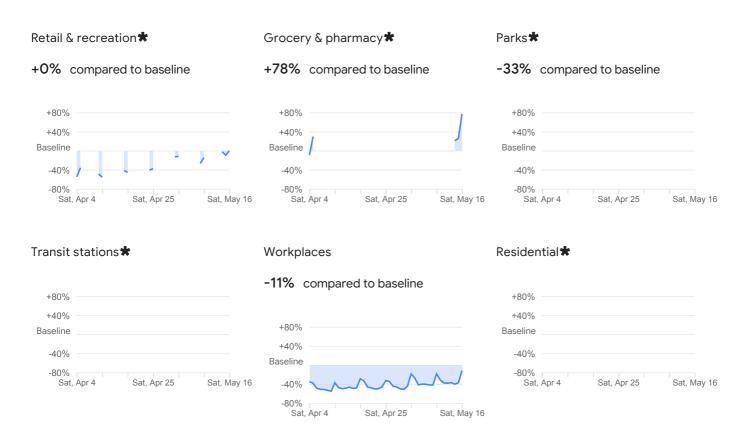


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Presque Isle County

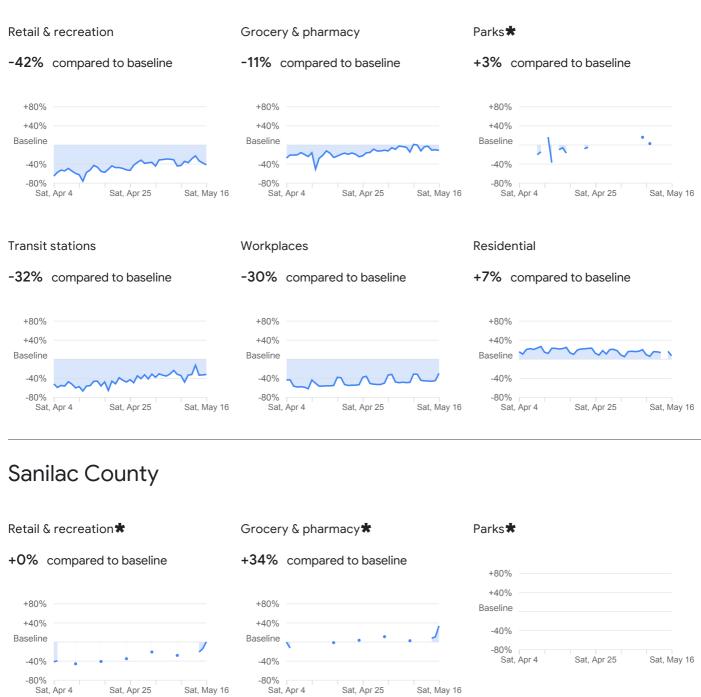


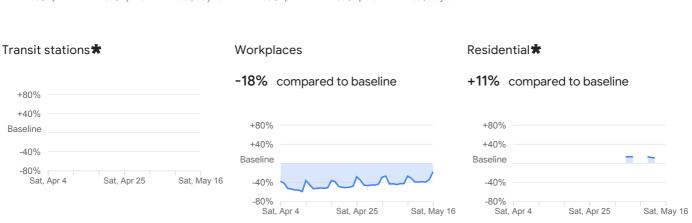
Roscommon County



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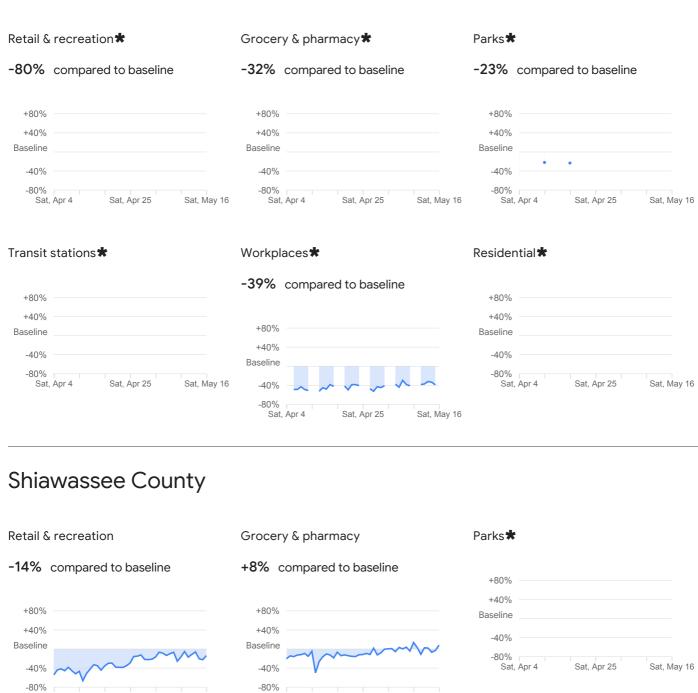
Saginaw County

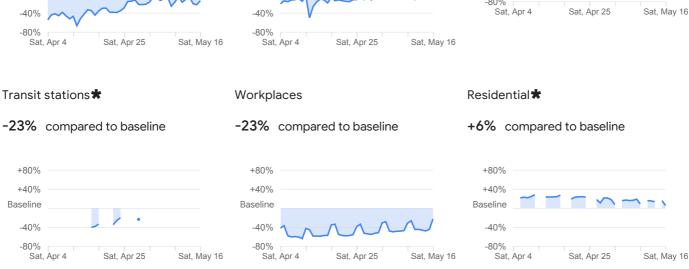




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Schoolcraft County





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St. Clair County

+40%

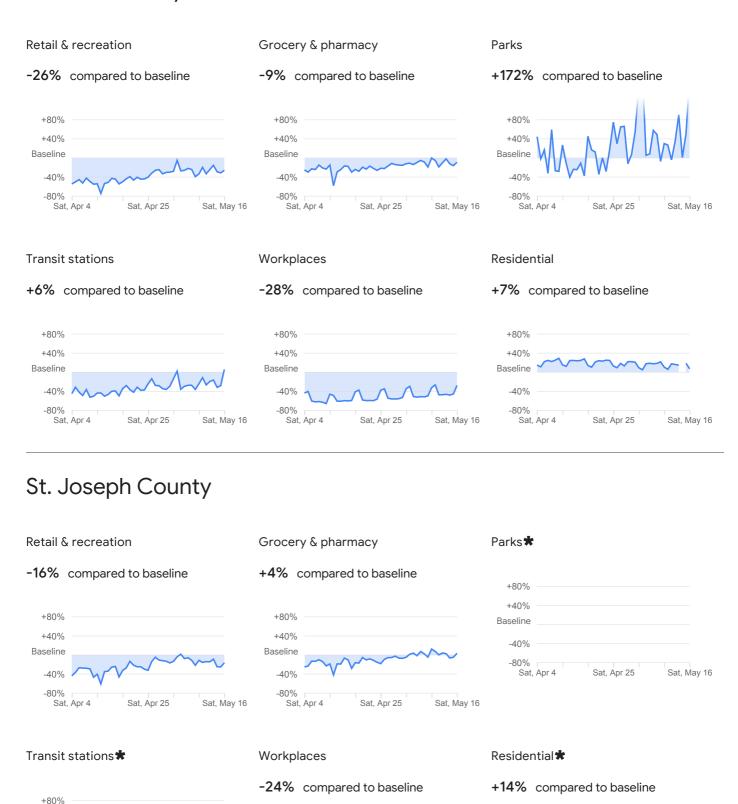
-40%

-80%

Sat. Apr 4

Sat, Apr 25

Baseline



Sat. Apr 25

+80%

+40%

-40%

Sat Apr 4

Sat Apr 25

Sat, May 16

Baseline

Sat. May 16

+80%

+40%

-40%

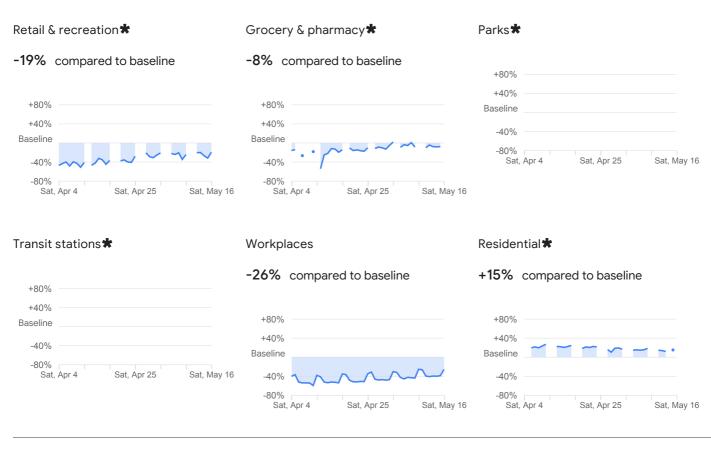
Sat Apr 4

Baseline

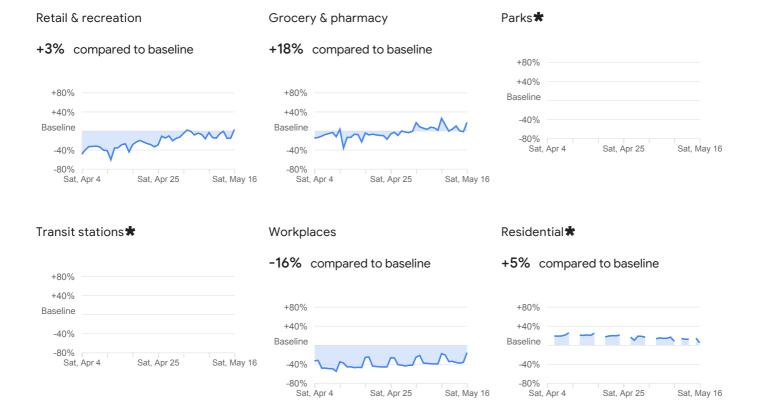
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Tuscola County

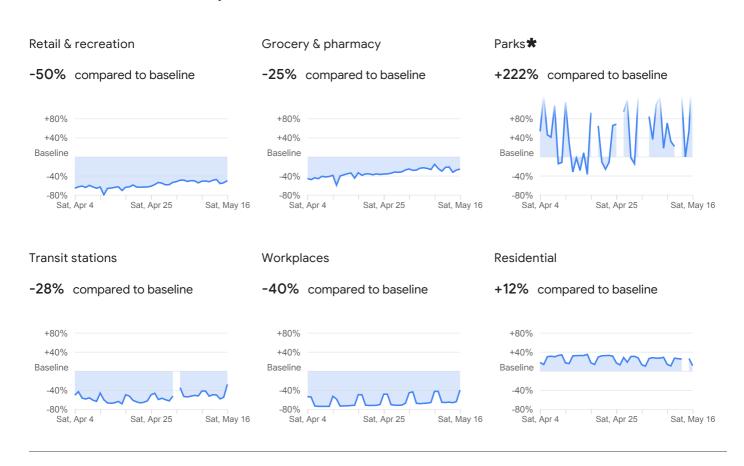


Van Buren County

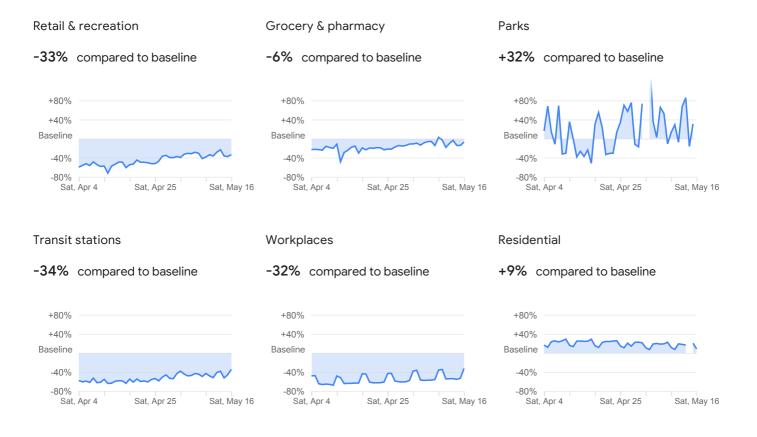


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Washtenaw County



Wayne County

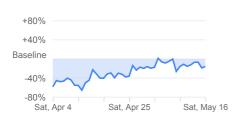


^{*} **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

Wexford County

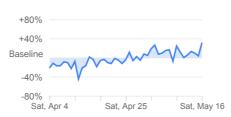
Retail & recreation

-16% compared to baseline



Grocery & pharmacy

+32% compared to baseline



Parks*



Transit stations*



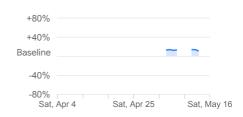
Workplaces

-21% compared to baseline



Residential*

+11% 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.

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