

## Iowa April 5, 2020

# Mobility changes

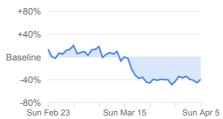
Google prepared this report to help you and public health officials understand responses to social distancing guidance related to COVID-19. This report shouldn't be used for medical diagnostic, prognostic, or treatment purposes. It also isn't intended to be used for guidance on personal travel plans.

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

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% Sun Feb 23

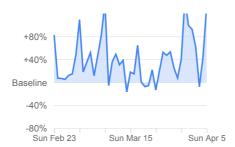
Baseline

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

**Parks** 

+134%

compared to baseline



Sun Mar 15

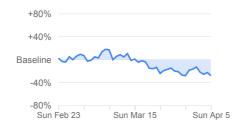
Sun Apr 5

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

Transit stations

-28%

compared to baseline

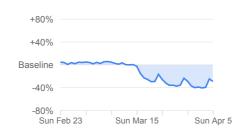


Mobility trends for places like public transport hubs such as subway, bus, and train stations.

Workplaces

-29%

compared to baseline

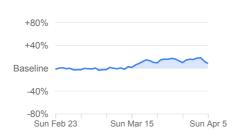


Mobility trends for places of work.

Residential

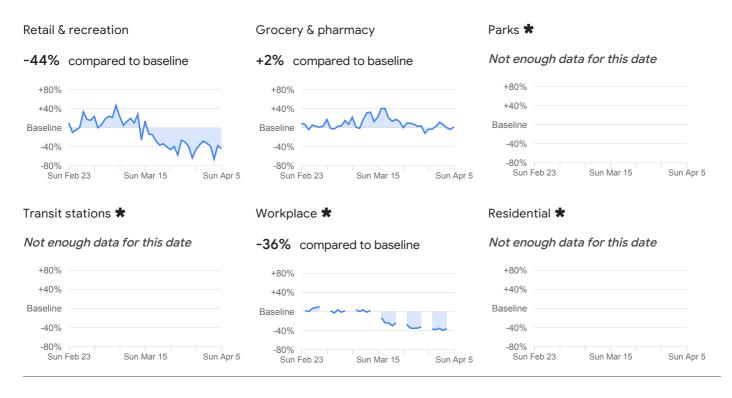
+8%

compared to baseline

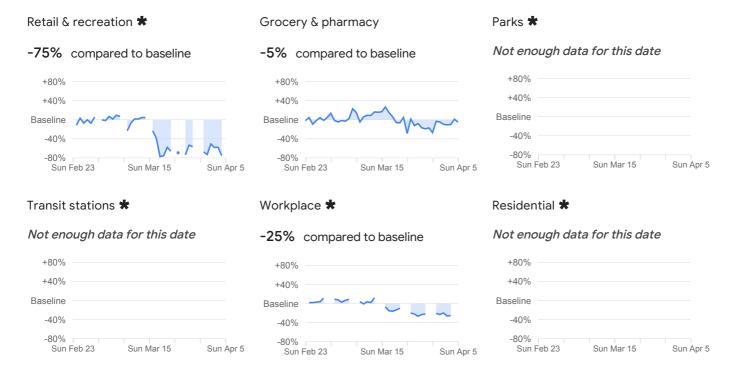


Mobility trends for places of residence.

### **Adair County**

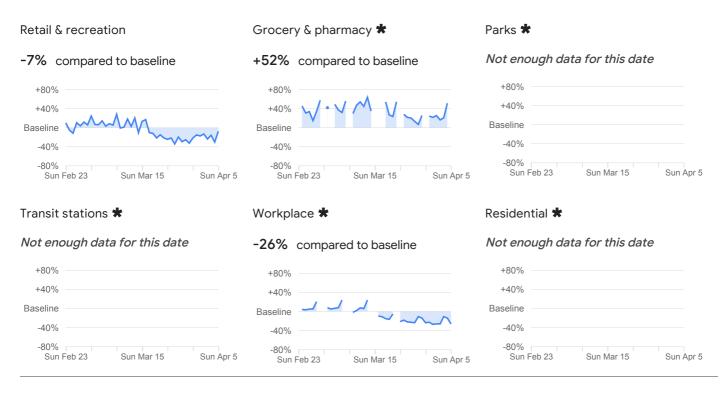


# Allamakee County

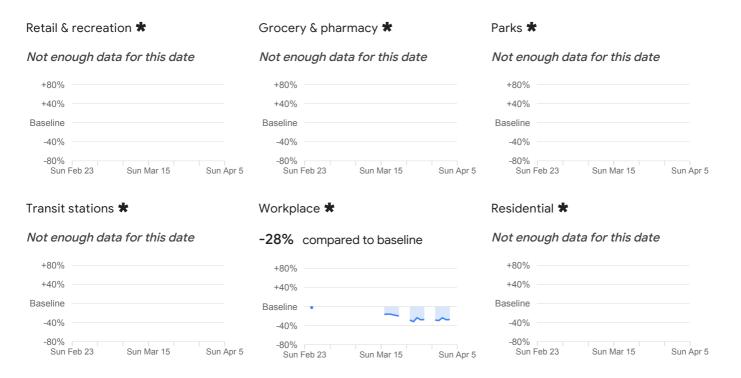


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### **Appanoose County**

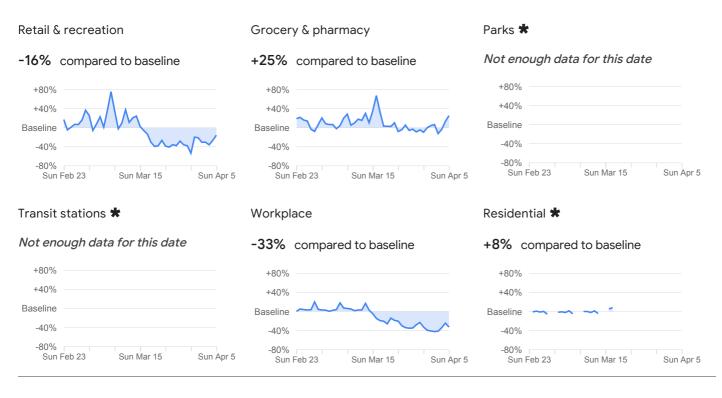


# **Audubon County**

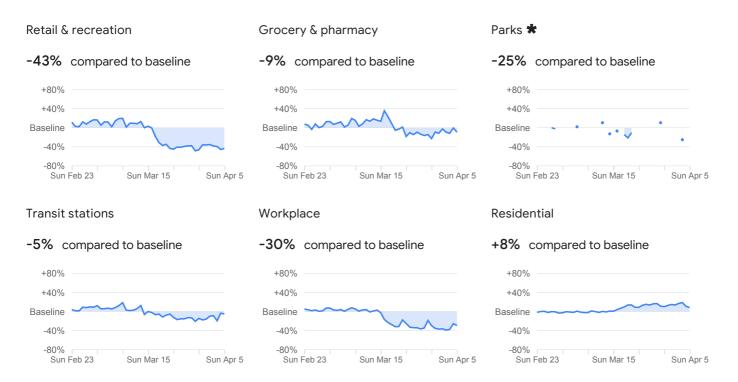


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## **Benton County**

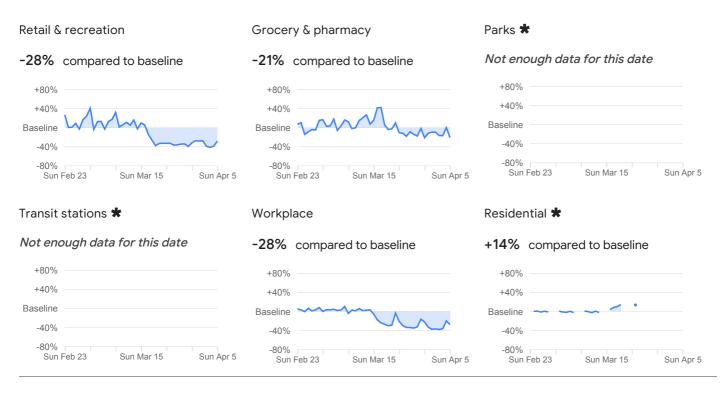


# Black Hawk County

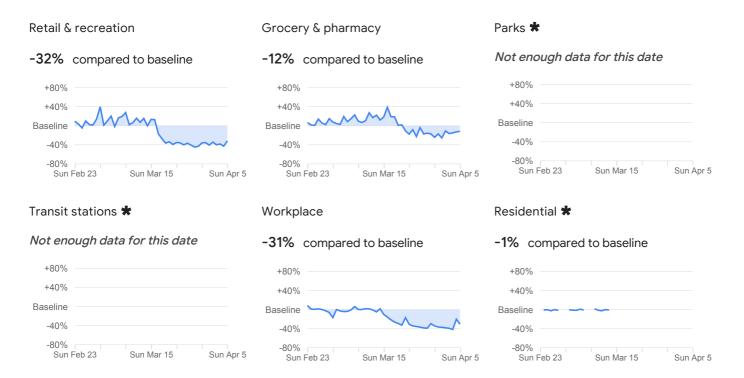


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### **Boone County**

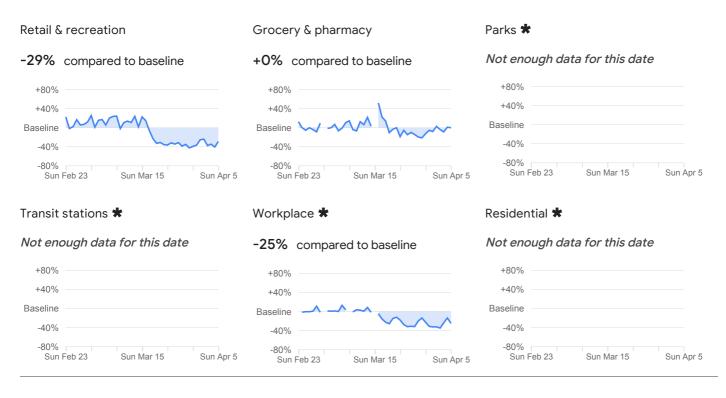


## **Bremer County**

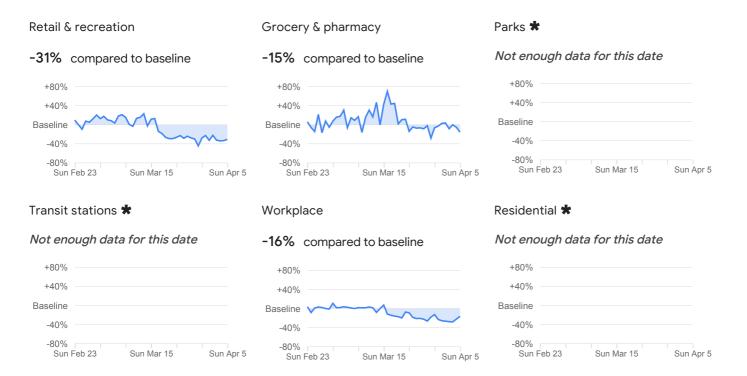


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### **Buchanan County**

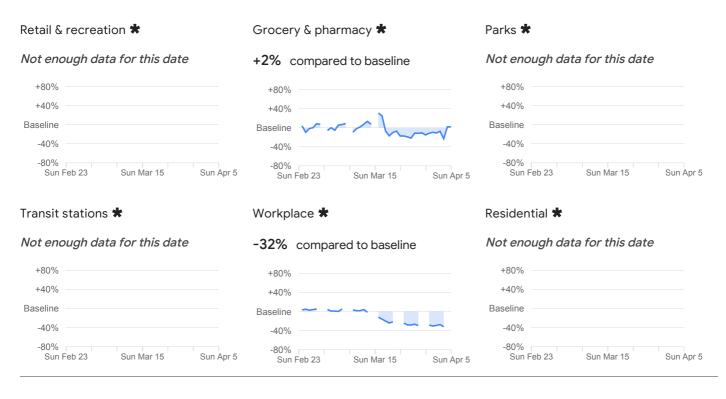


## Buena Vista County

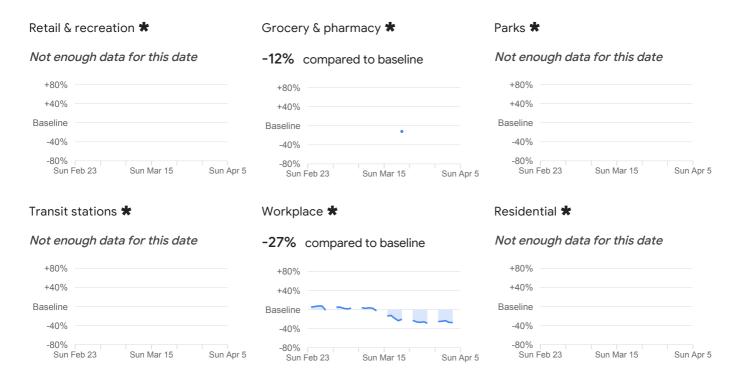


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## **Butler County**

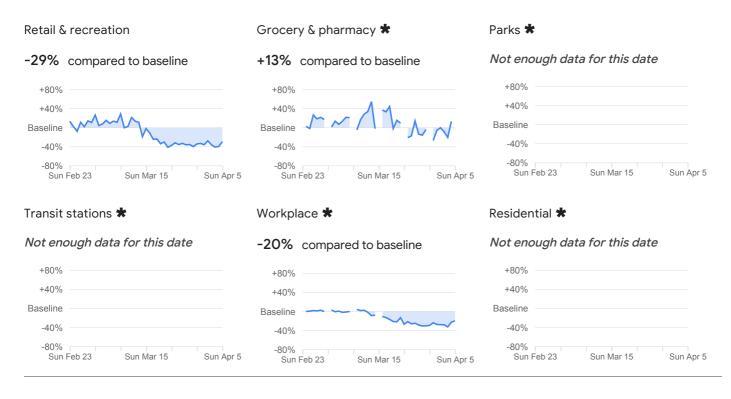


# Calhoun County

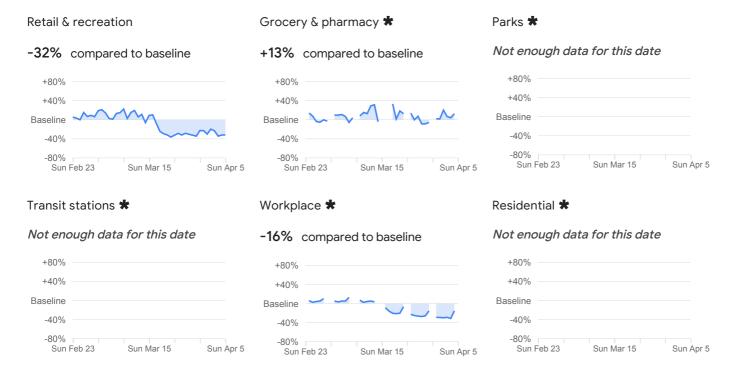


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## Carroll County

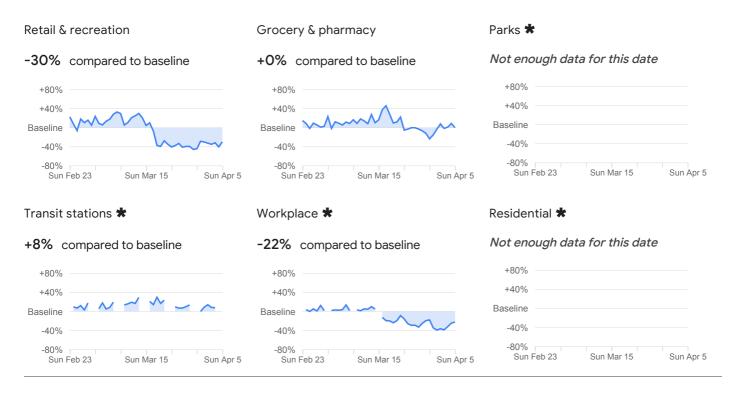


## Cass County

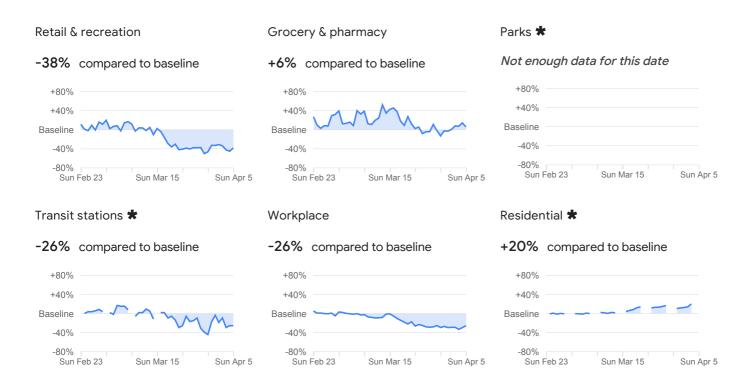


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## Cedar County

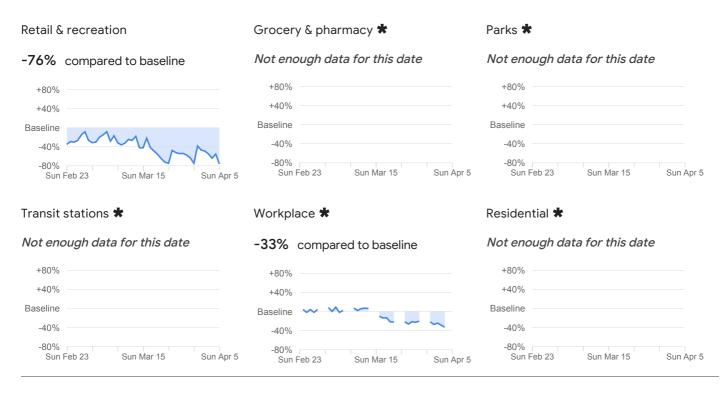


# Cerro Gordo County

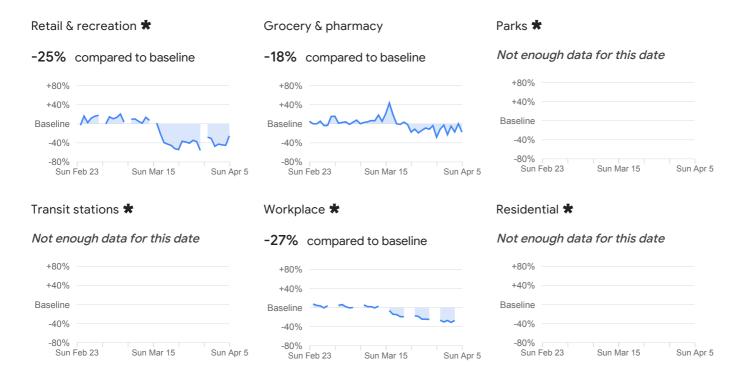


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## Cherokee County

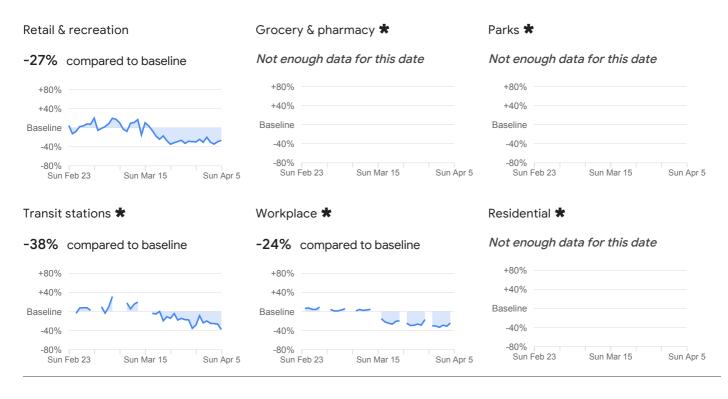


# Chickasaw County

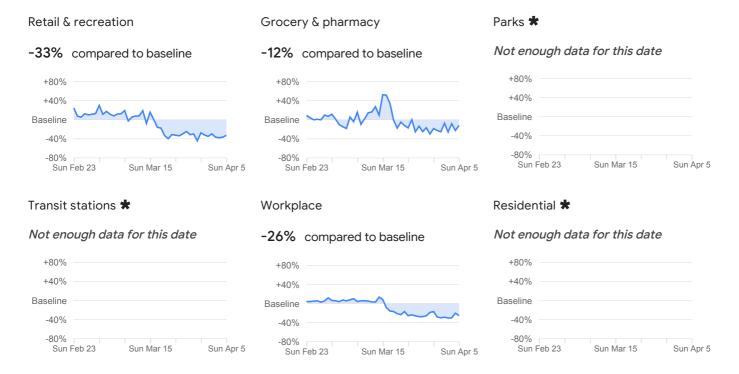


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## Clarke County

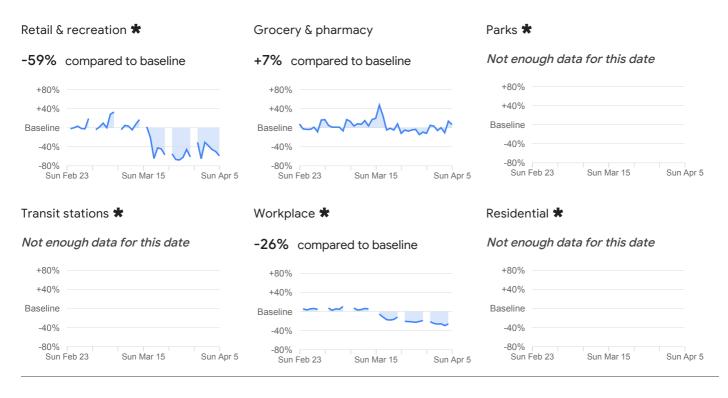


## Clay County

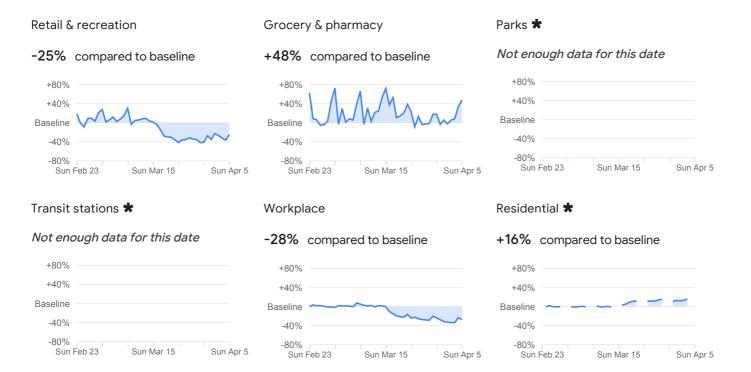


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## Clayton County

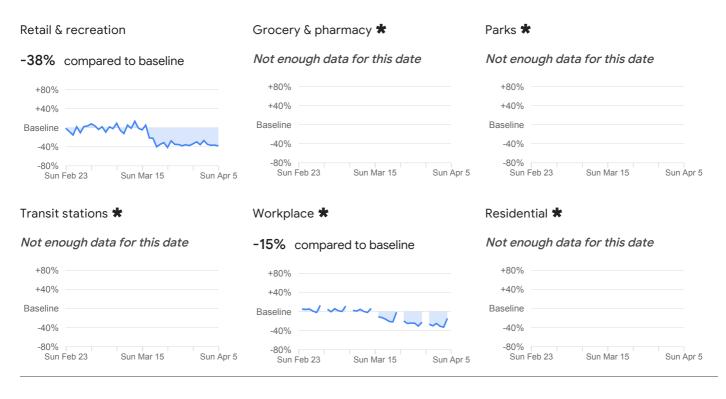


## Clinton County

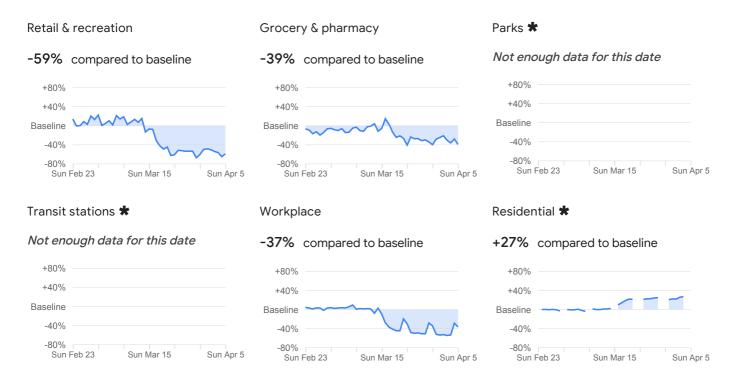


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## **Crawford County**

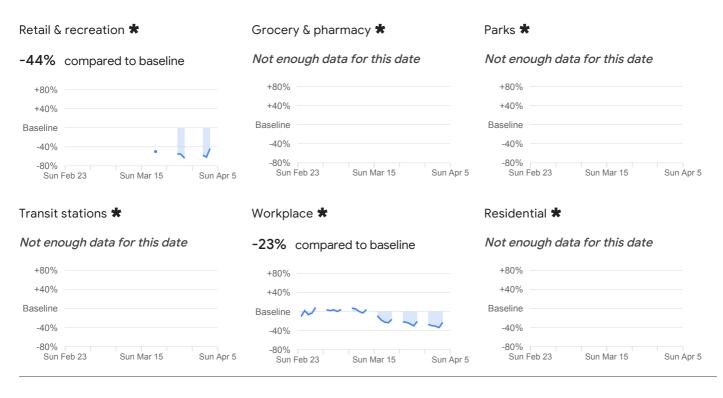


## **Dallas County**

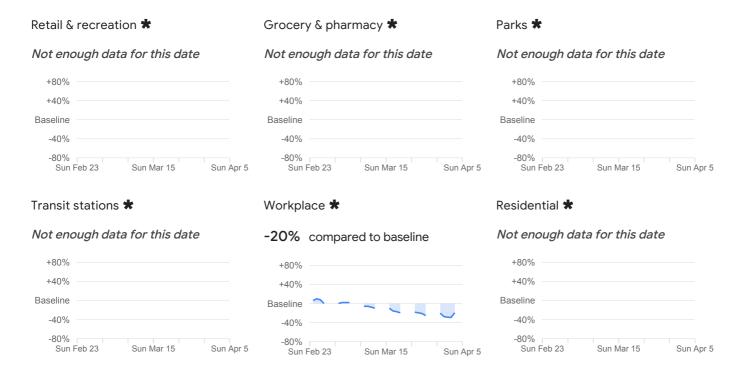


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### **Davis County**

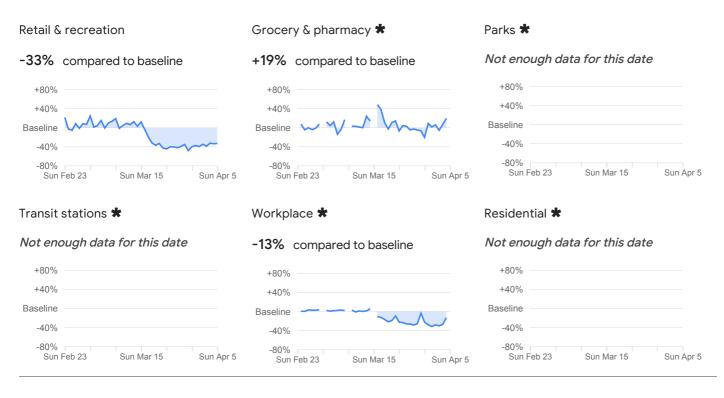


# **Decatur County**

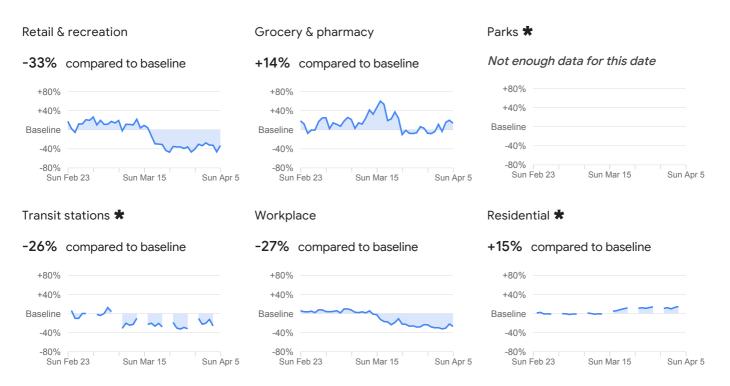


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#### **Delaware County**

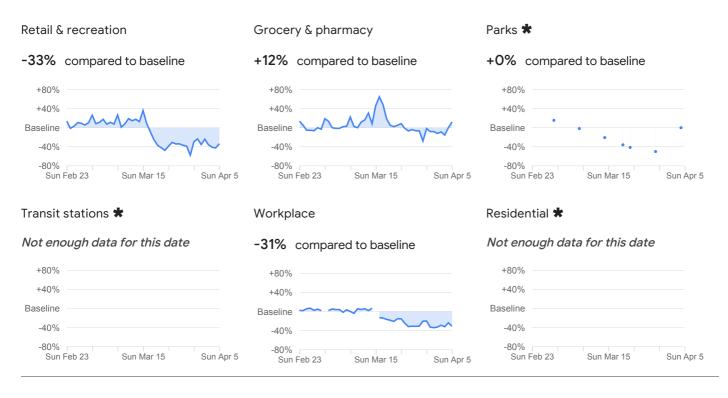


## **Des Moines County**

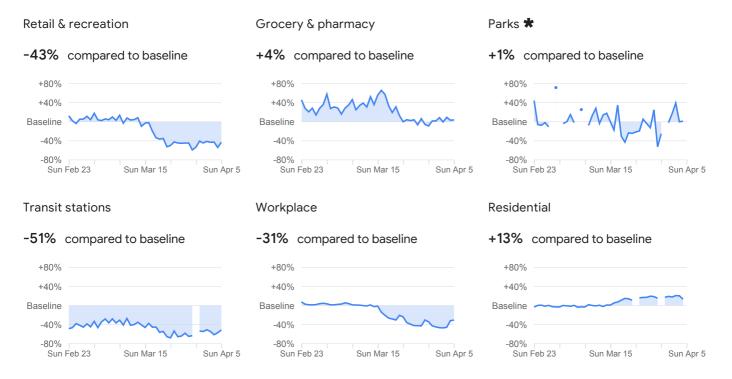


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## **Dickinson County**

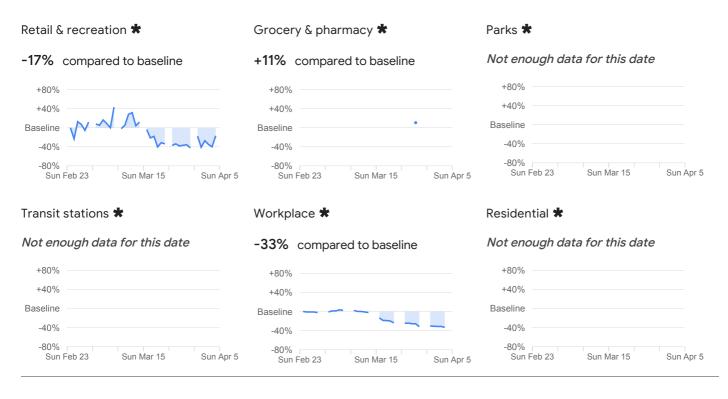


# **Dubuque County**

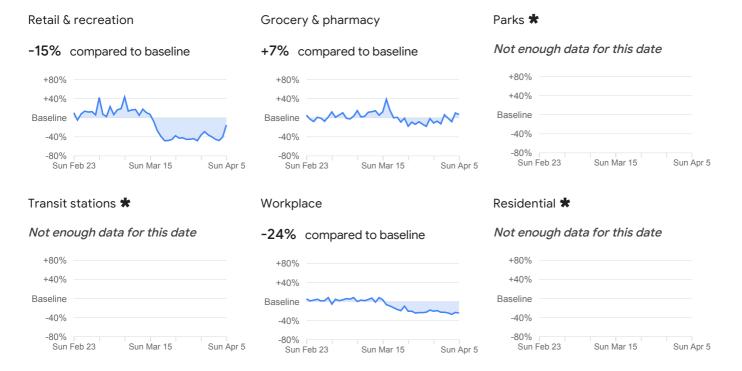


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### **Emmet County**

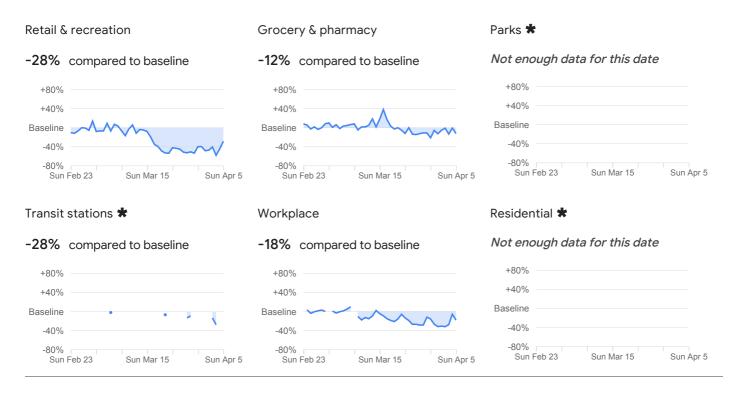


# **Fayette County**

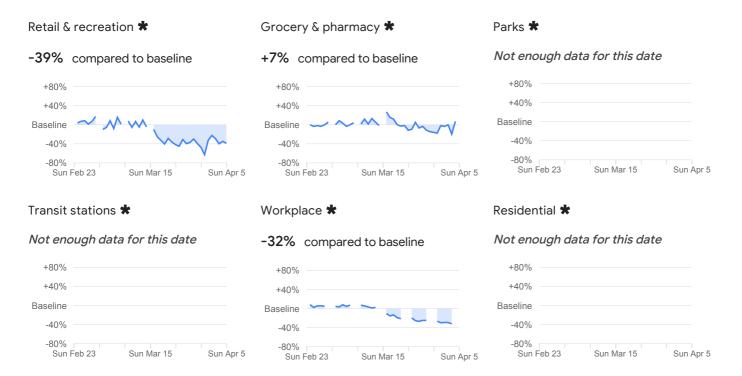


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### Floyd County

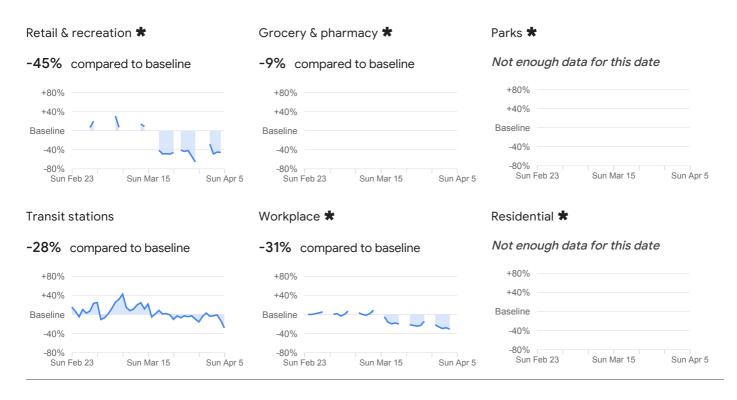


# Franklin County

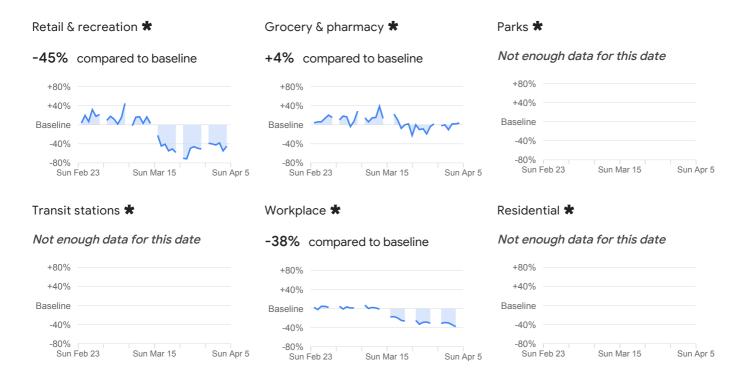


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## Fremont County

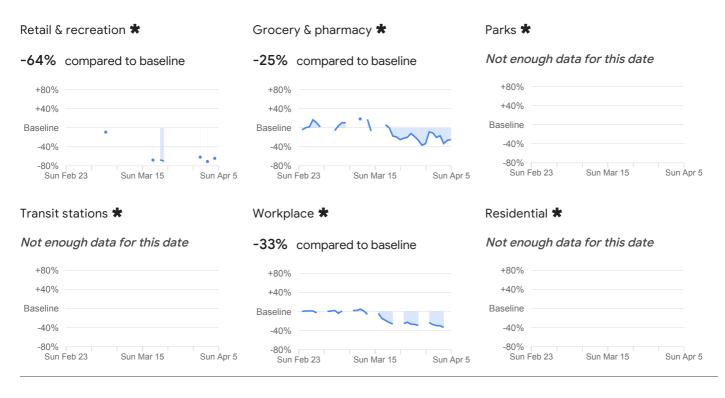


## Greene County

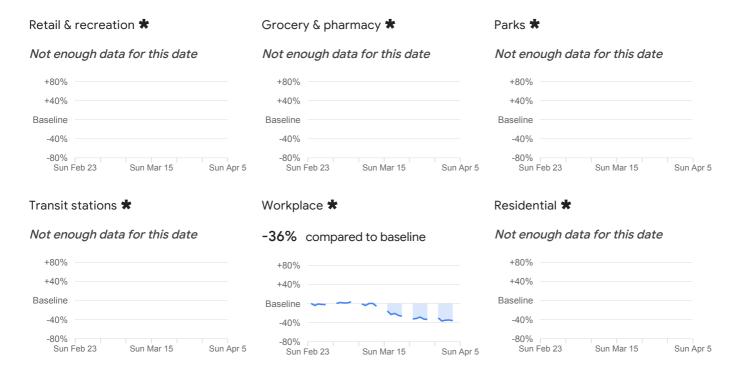


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# **Grundy County**

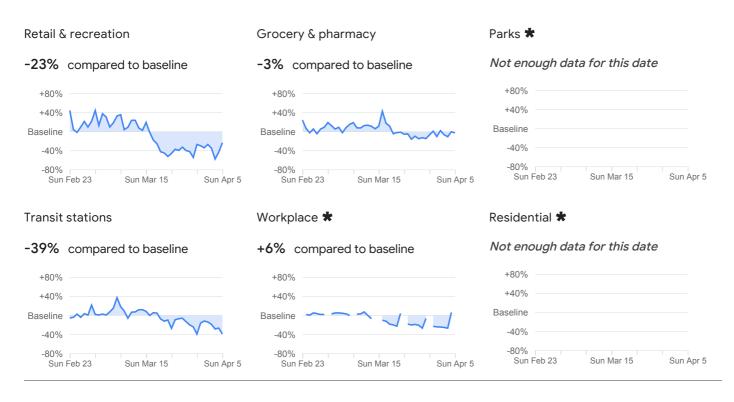


# **Guthrie County**

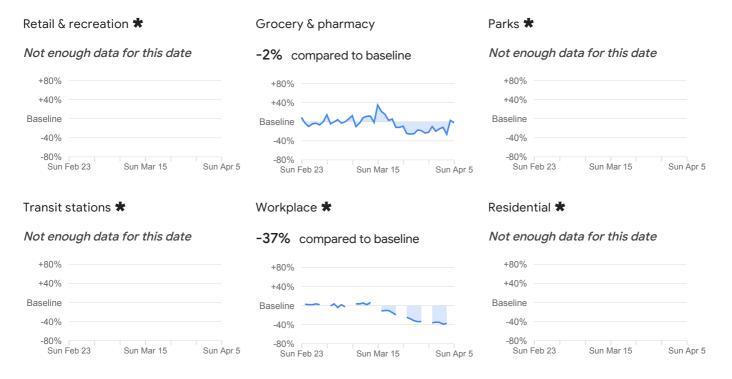


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## **Hamilton County**

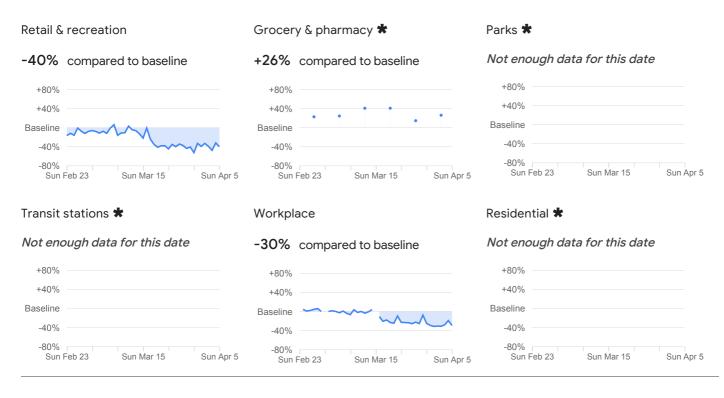


## Hancock County

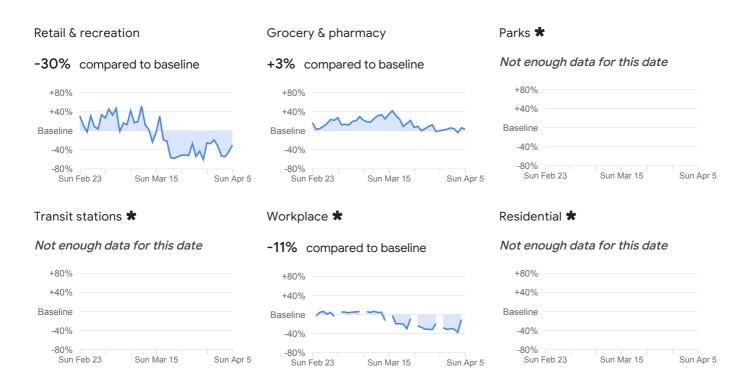


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## Hardin County



## Harrison County

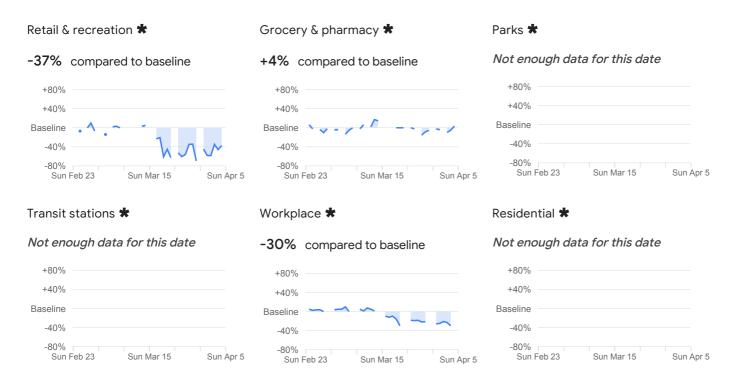


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### Henry County

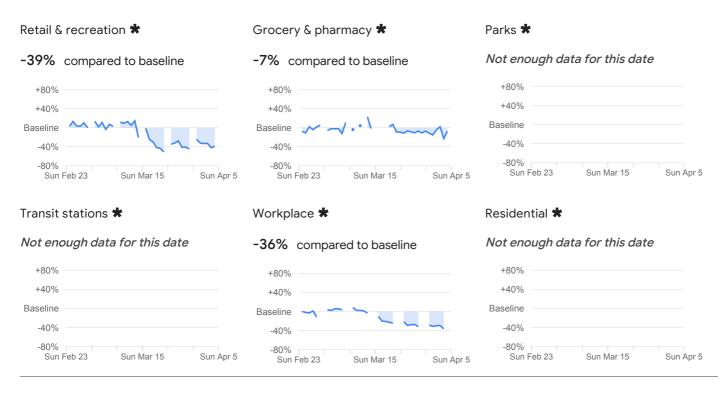


## **Howard County**

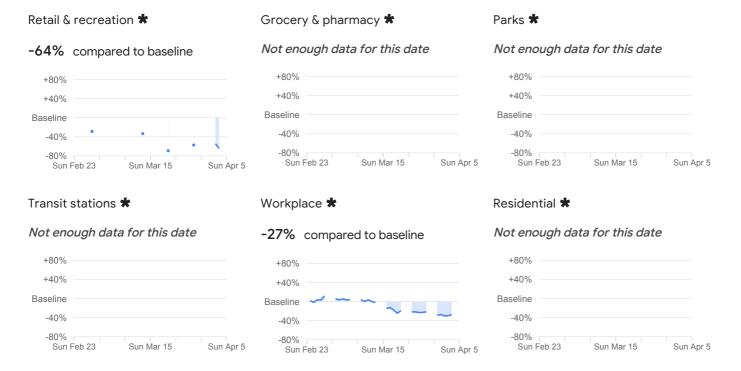


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## **Humboldt County**

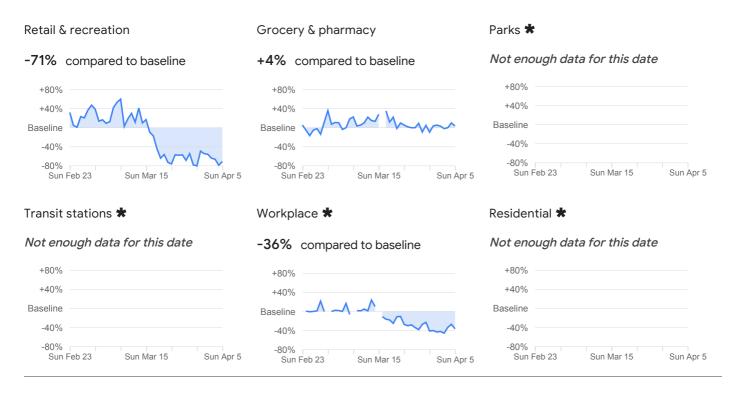


## Ida County

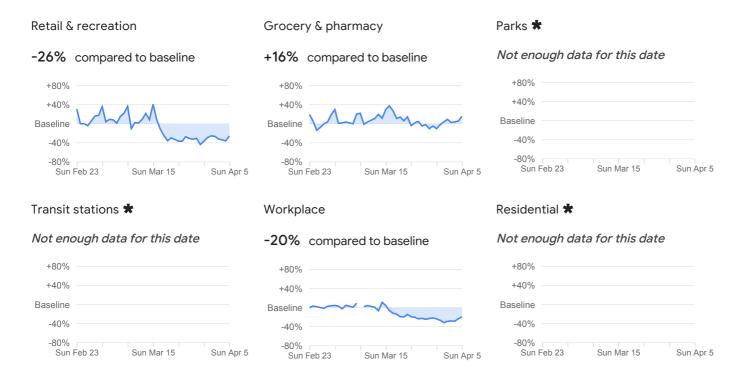


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### Iowa County

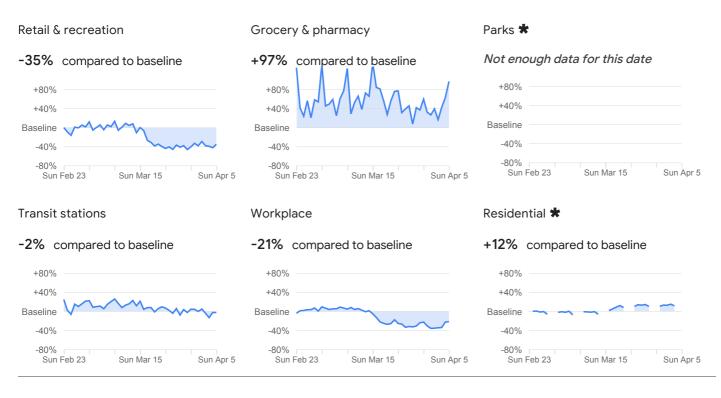


## **Jackson County**

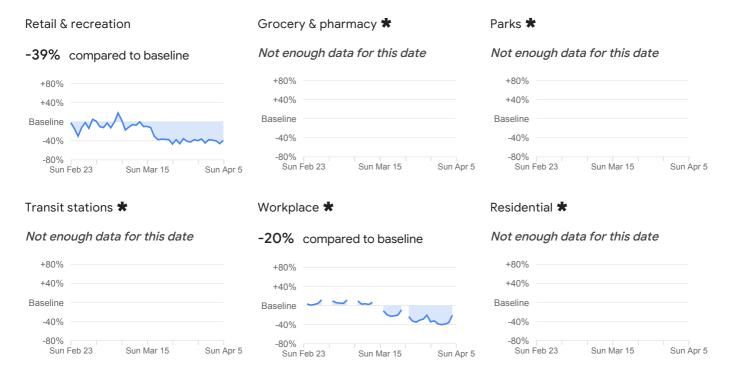


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### **Jasper County**

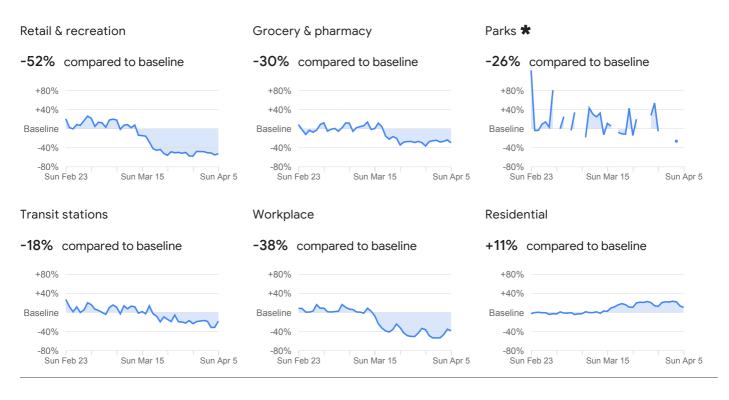


# Jefferson County

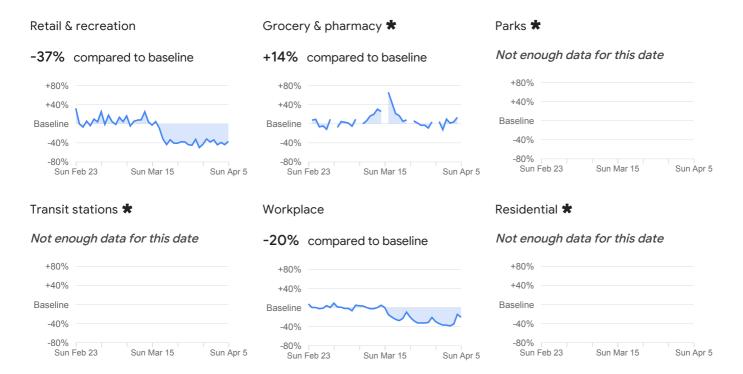


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#### Johnson County

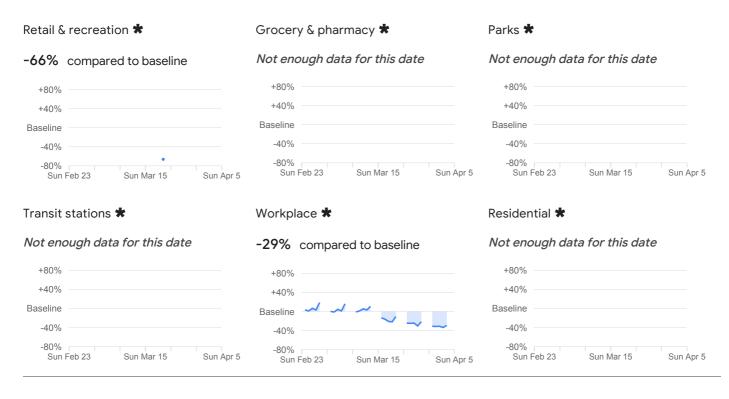


## Jones County

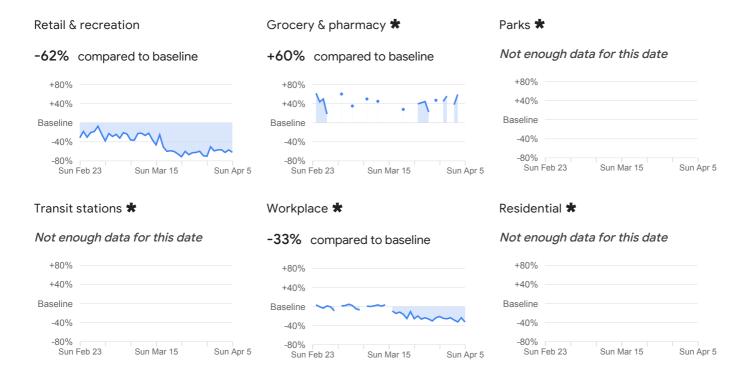


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## **Keokuk County**

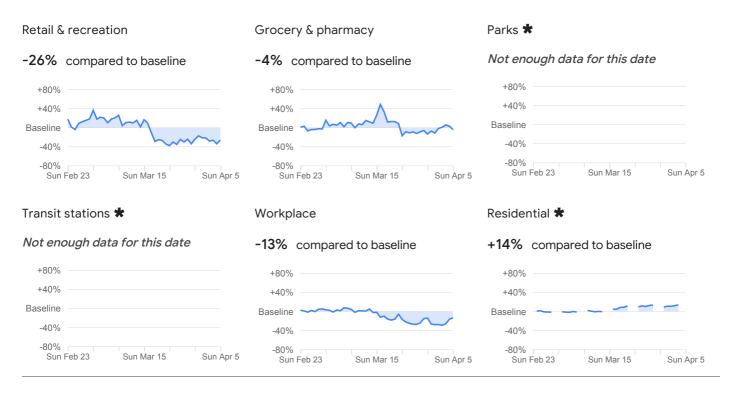


# Kossuth County

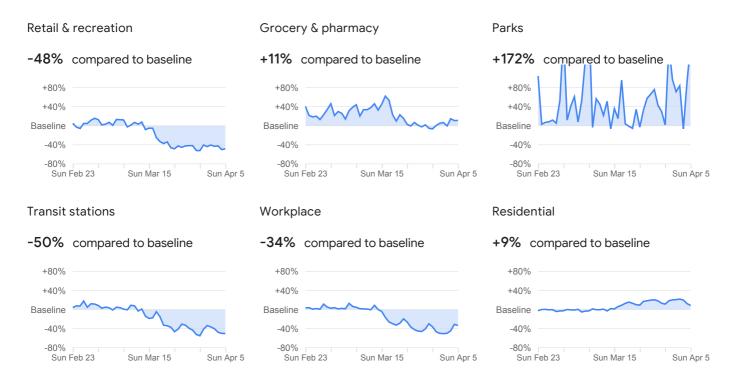


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### Lee County

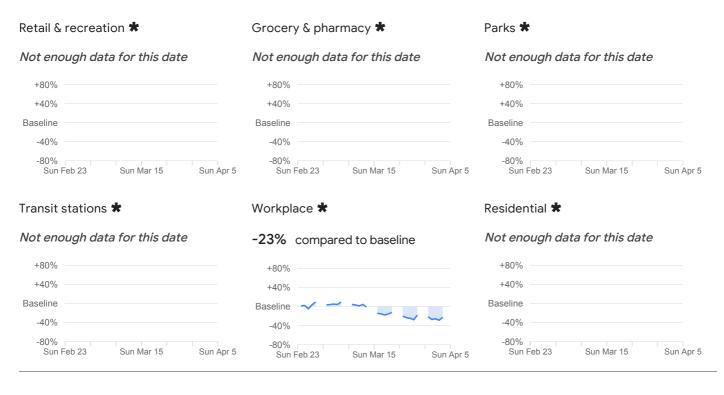


## **Linn County**

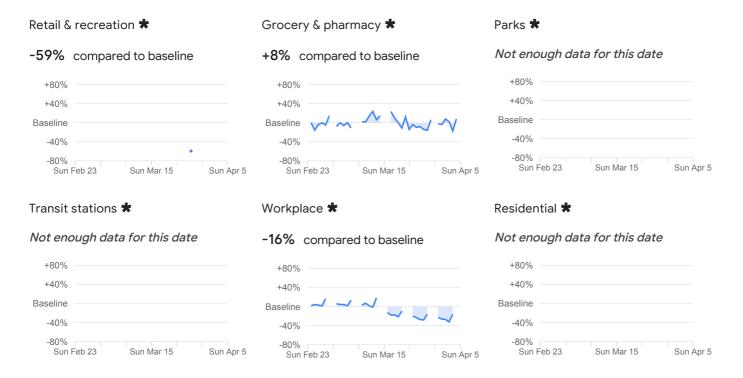


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## Louisa County

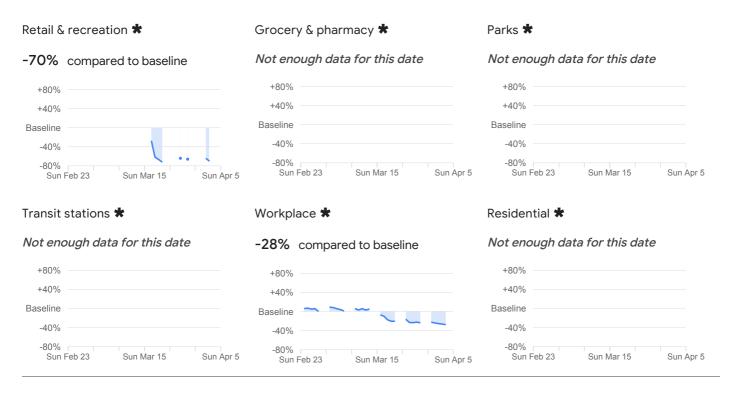


## Lucas County

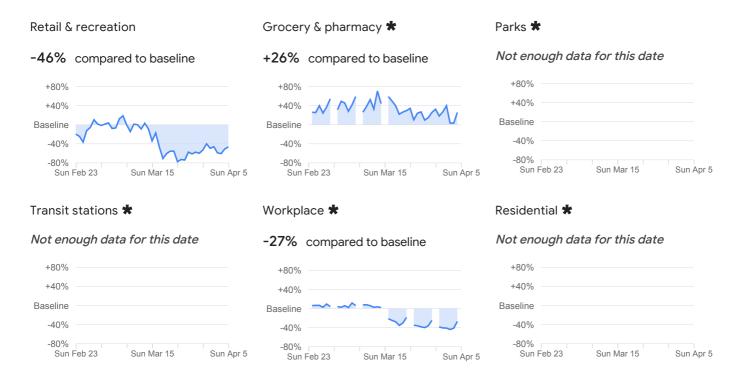


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### Lyon County

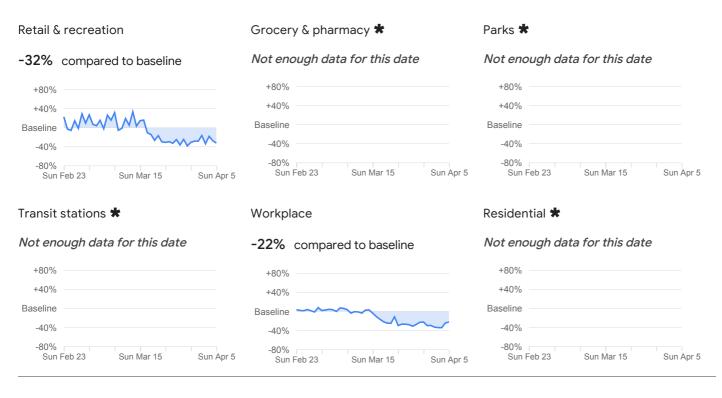


## **Madison County**

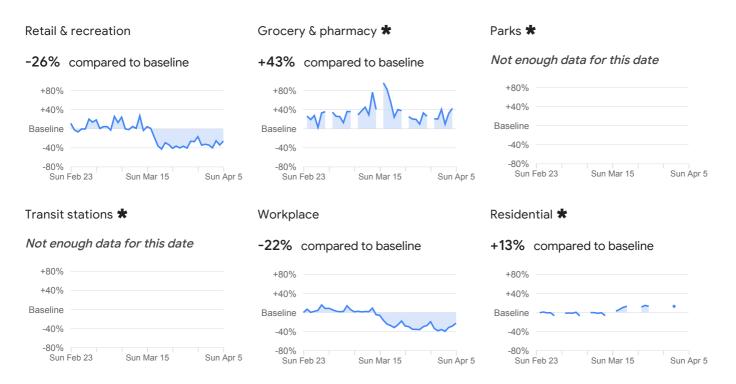


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### Mahaska County

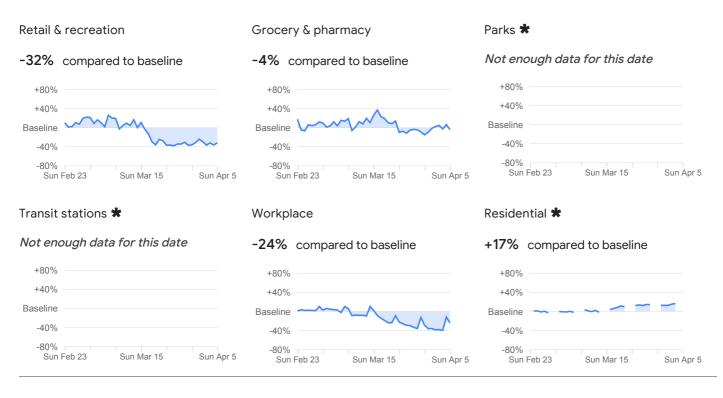


## Marion County

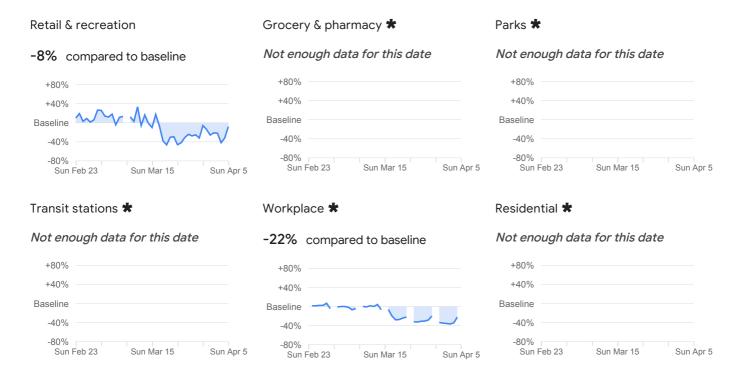


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## Marshall County

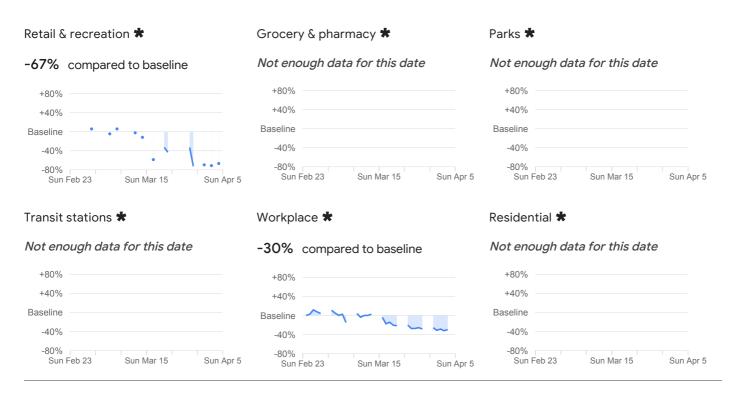


## Mills County

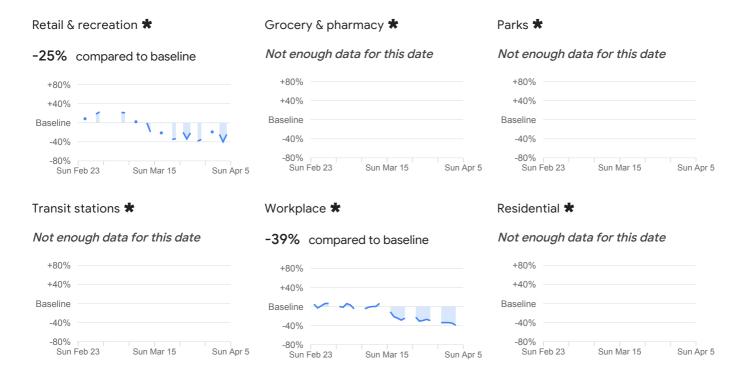


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### Mitchell County

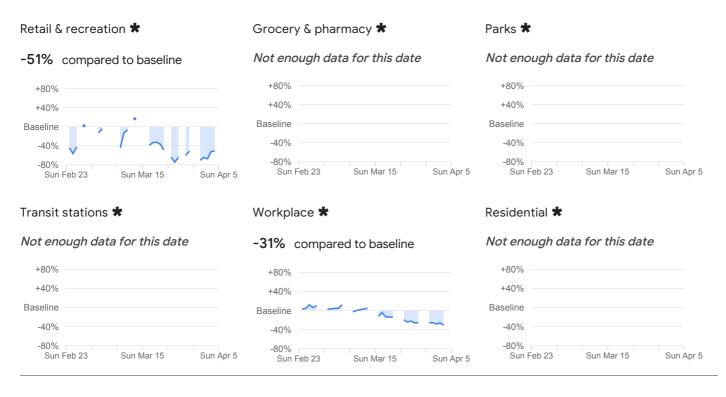


# Monona County

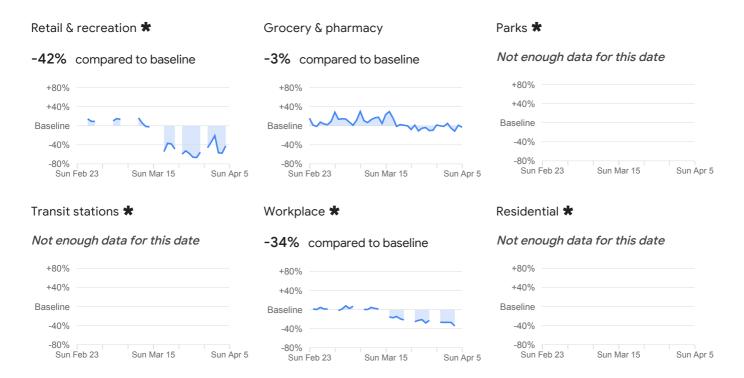


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### Monroe County

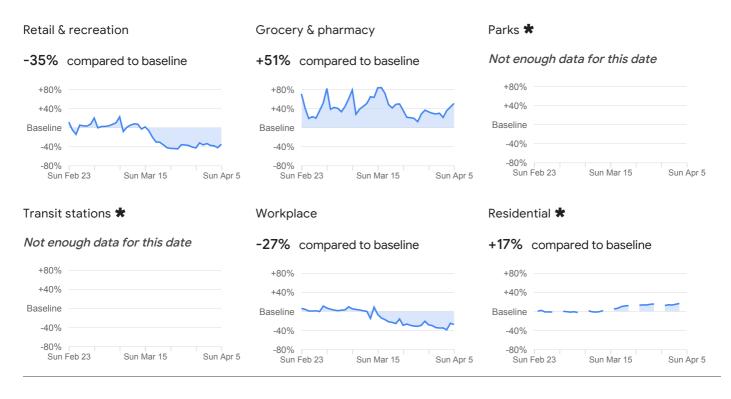


# **Montgomery County**

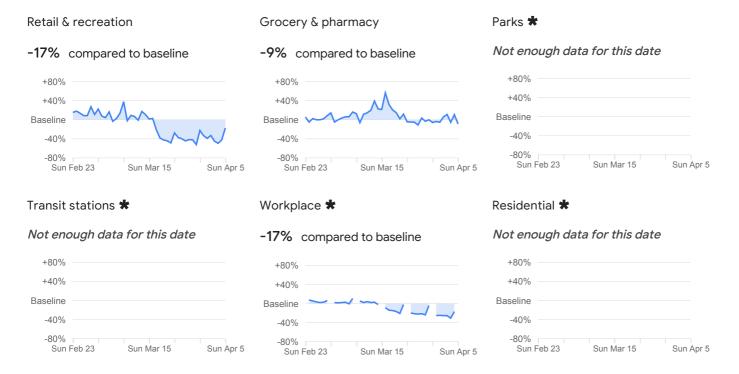


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### Muscatine County

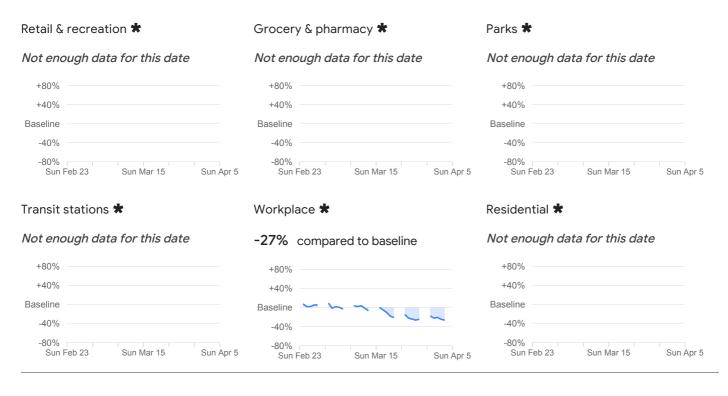


### O'Brien County

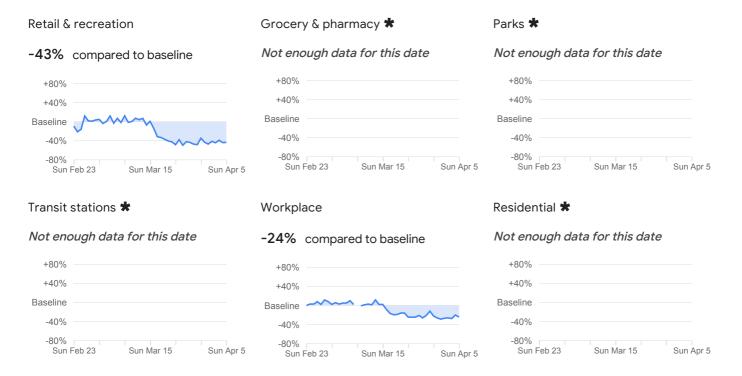


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Osceola County

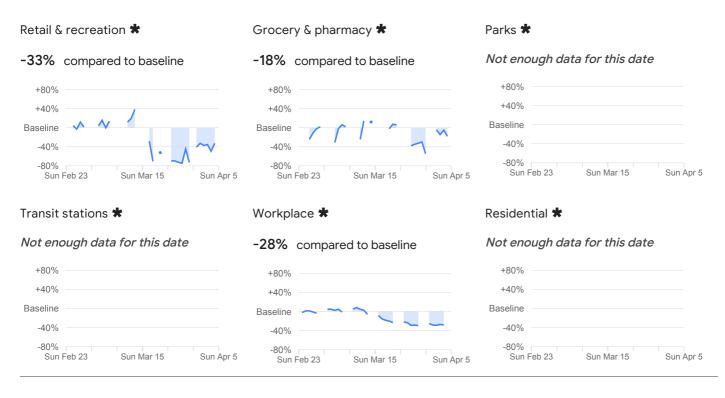


### Page County

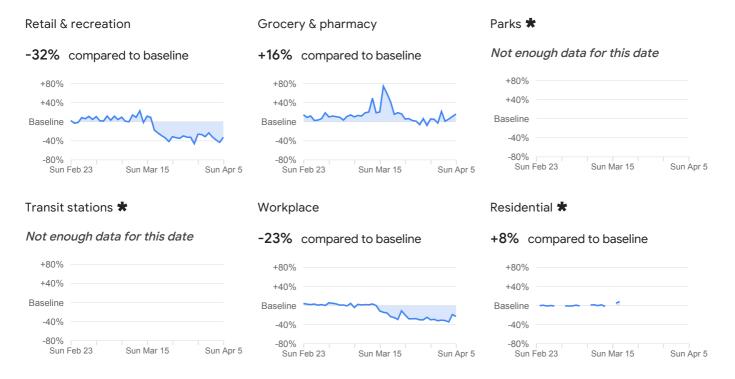


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

#### Palo Alto County

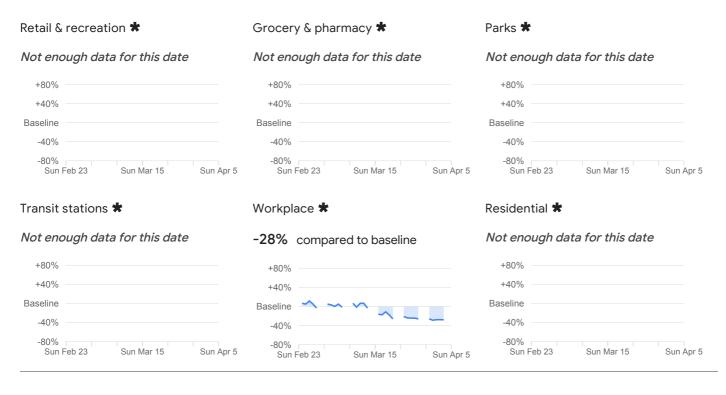


# Plymouth County

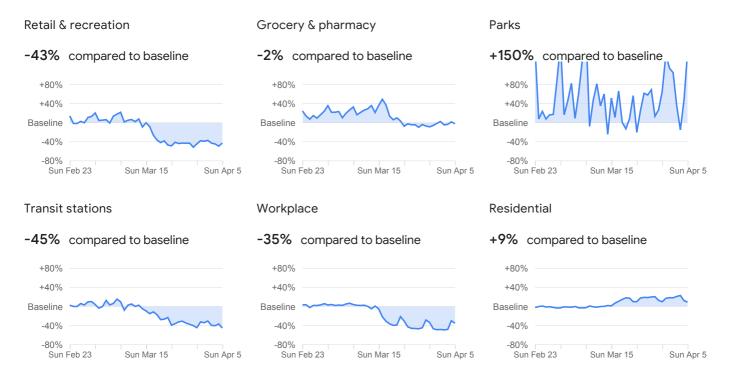


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### **Pocahontas County**

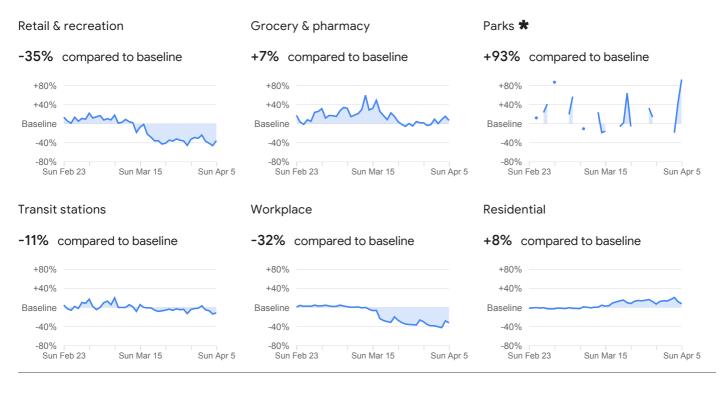


### Polk County

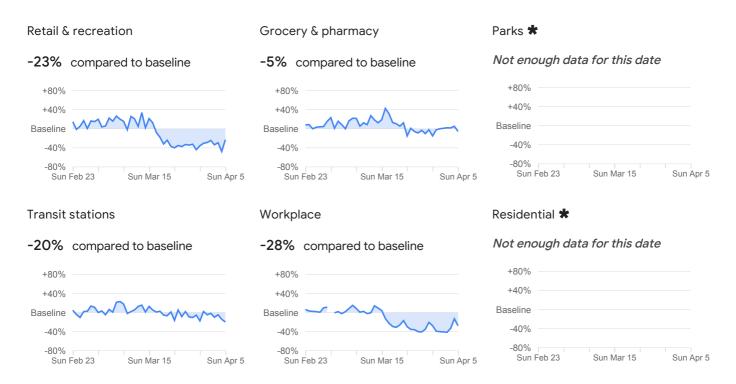


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Pottawattamie County

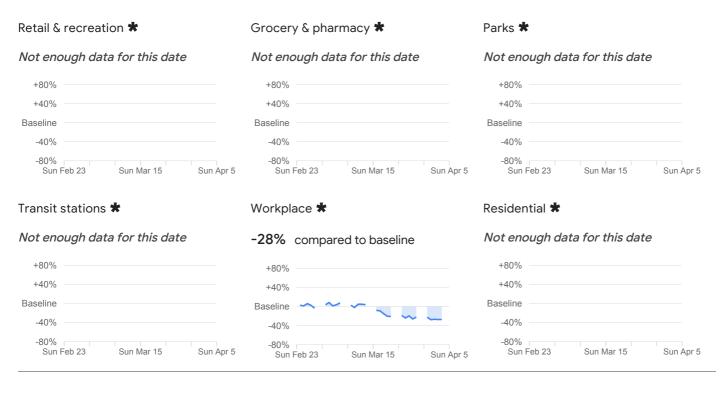


## **Poweshiek County**

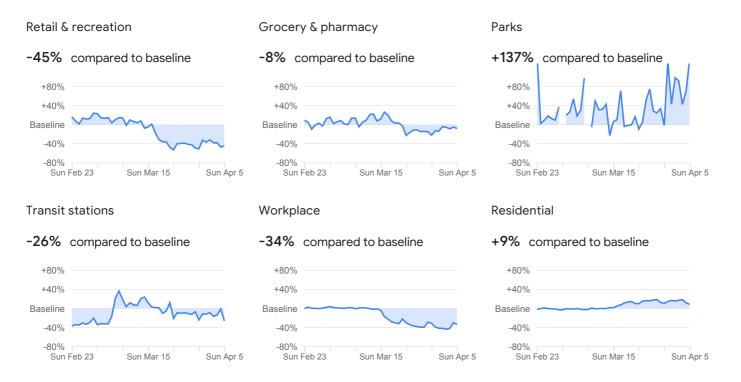


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

#### Sac County

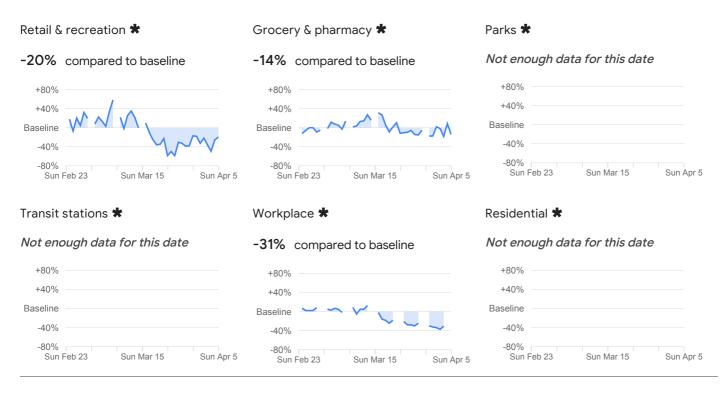


### **Scott County**

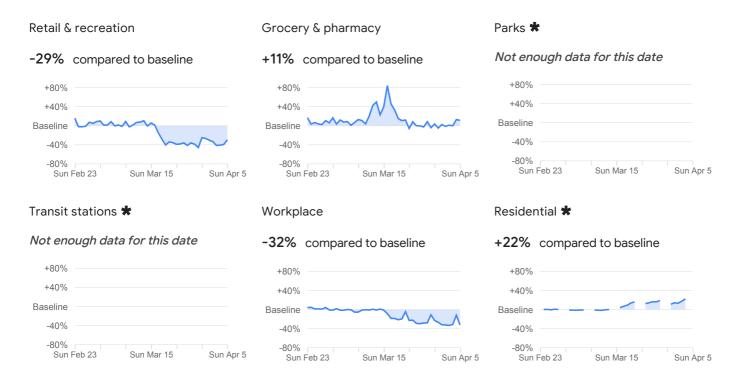


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

## **Shelby County**

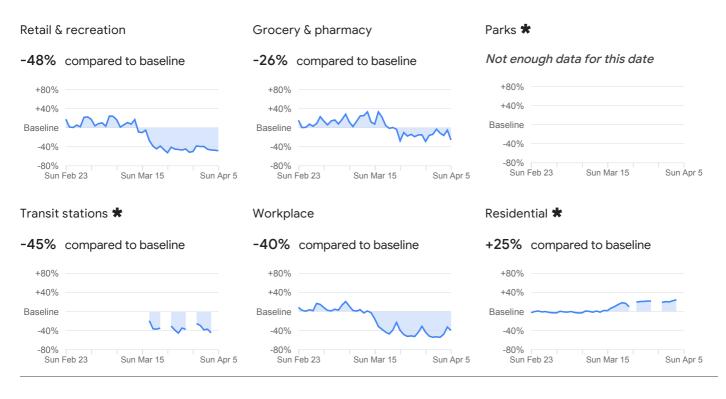


### Sioux County

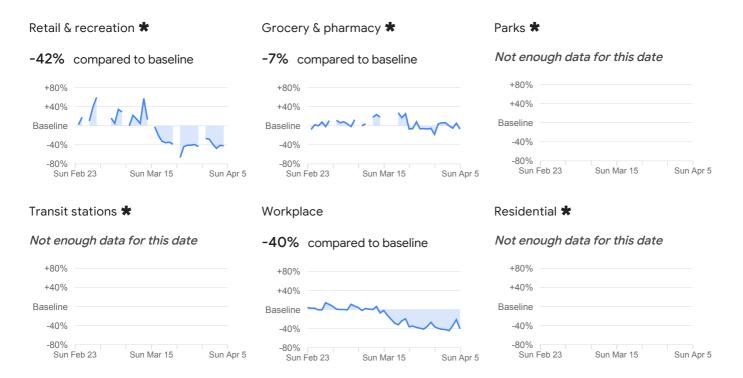


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

# **Story County**



### Tama County

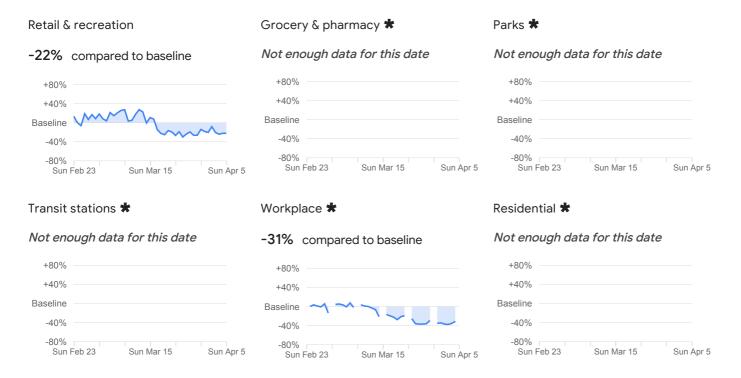


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### **Taylor County**

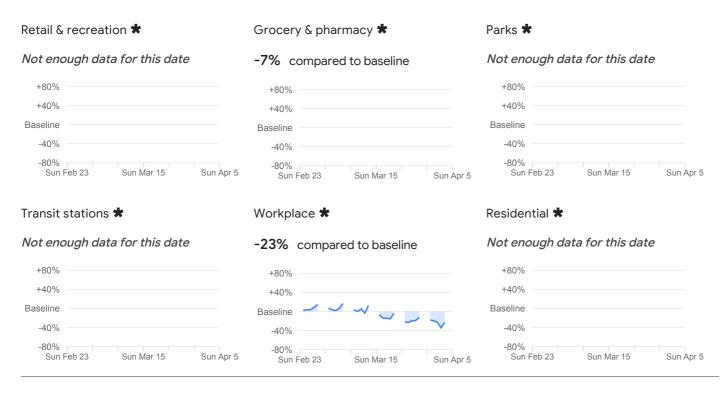


### **Union County**

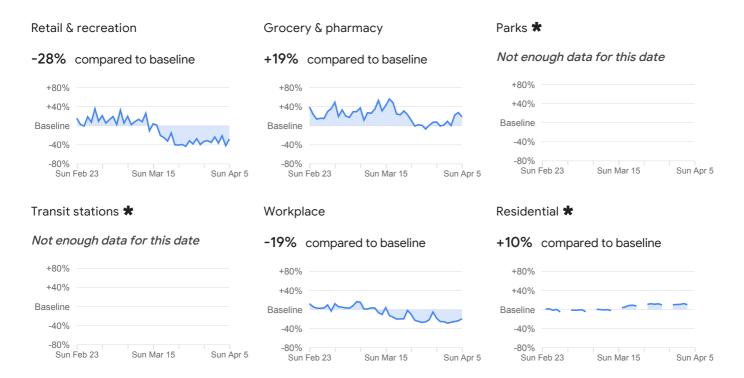


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Van Buren County

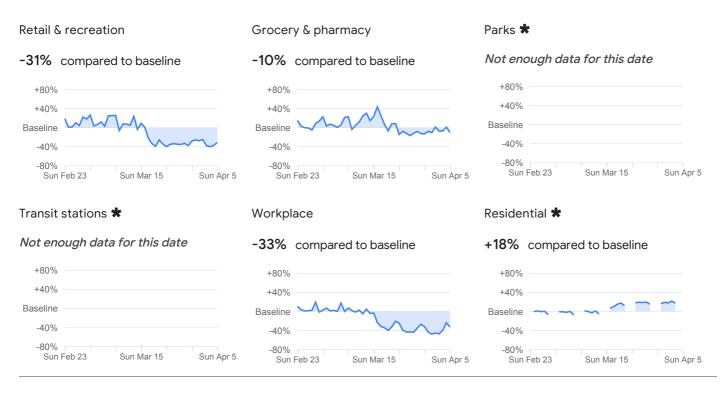


## Wapello County

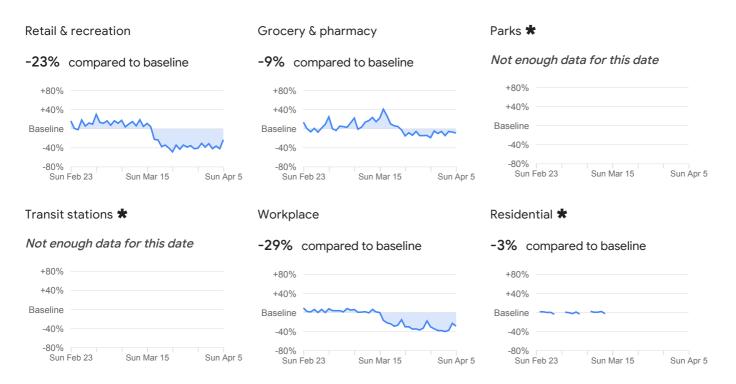


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Warren County

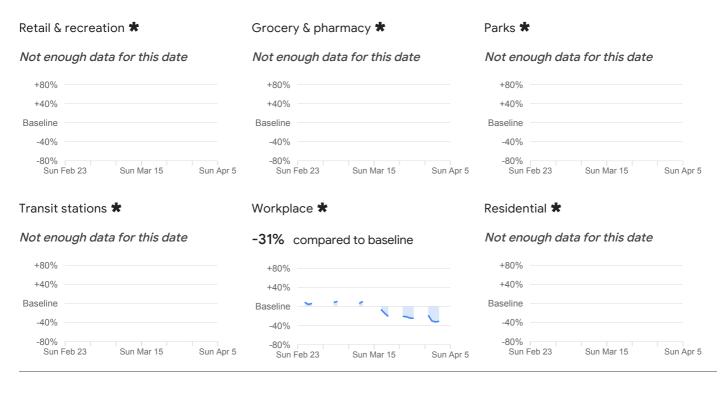


## Washington County

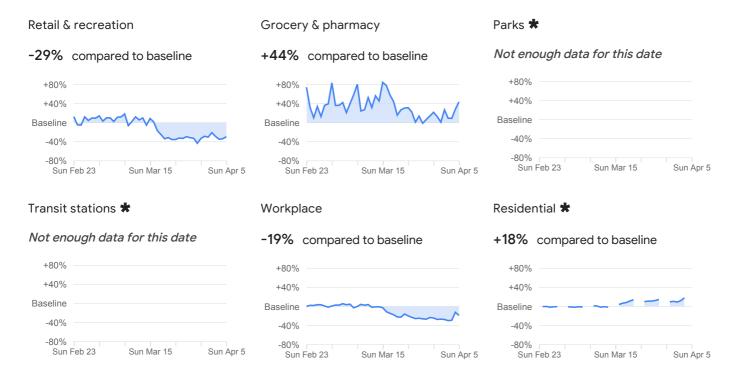


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Wayne County

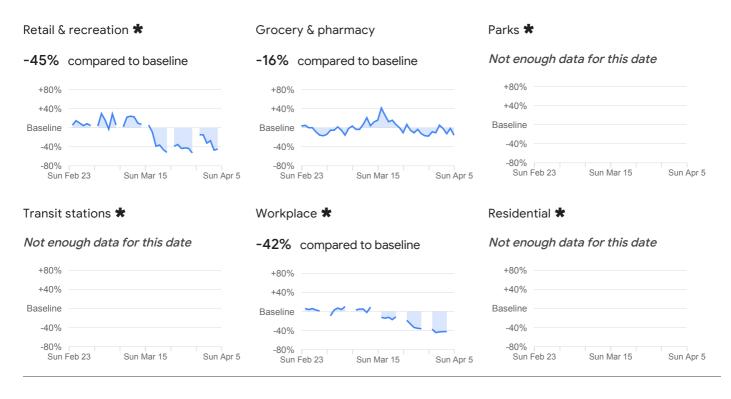


### Webster County

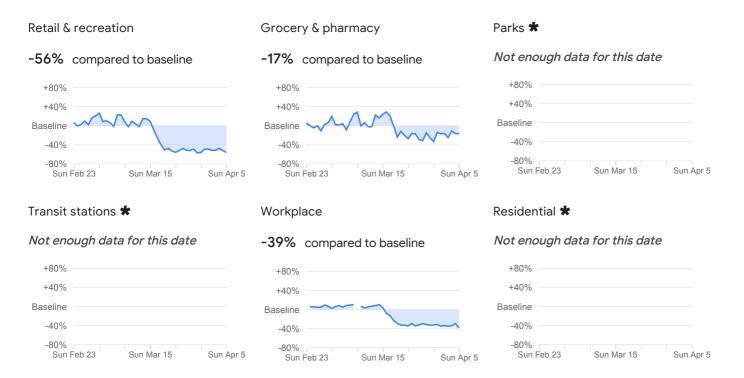


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### Winnebago County

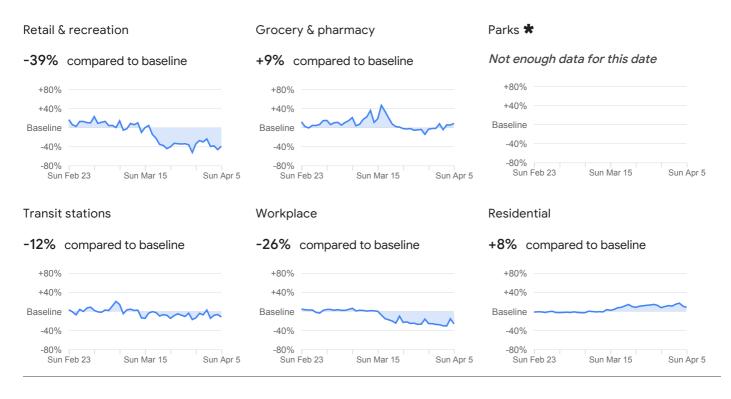


## Winneshiek County

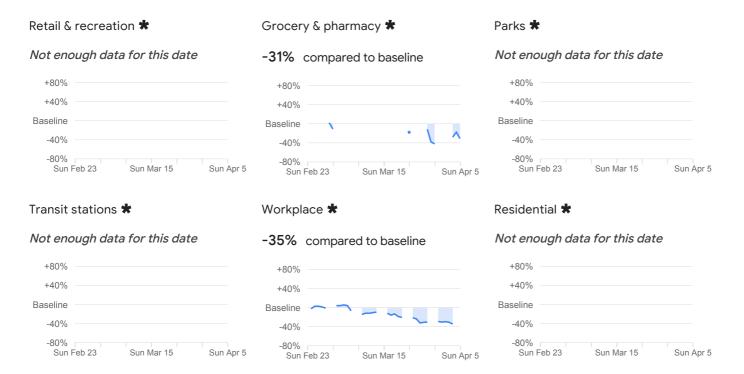


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

### **Woodbury County**



## Worth County

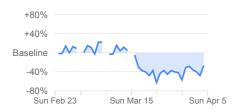


<sup>\*</sup> **Not enough data for this date**: Currently, there is not enough data to provide a complete analysis of this place. Google needs a significant volume of data to generate an aggregated and anonymous view of trends.

# Wright County

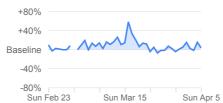
#### Retail & recreation \*

#### -27% compared to baseline



#### Grocery & pharmacy

#### +4% compared to baseline



#### Parks \*

#### Not enough data for this date



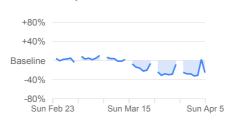
#### Transit stations \*

#### Not enough data for this date



#### Workplace \*

#### -26% compared to baseline



#### Residential \*

#### Not enough data for this date



#### 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