

Virginia February 9, 2021

Mobility changes

This dataset is intended to help remediate the impact of COVID-19. It shouldn't be used for medical diagnostic, prognostic, or treatment purposes. It also isn't intended to be used for guidance on personal travel plans.

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

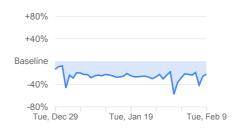
Location accuracy and the understanding of categorized places varies from region to region, so we don't recommend using this data to compare changes between countries, or between regions with different characteristics (e.g. rural versus urban areas).

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

Retail & recreation

-22%

compared to baseline



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

Grocery & pharmacy

-8%

compared to baseline

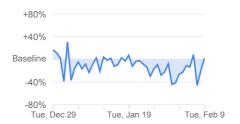


Mobility trends for places like grocery markets, food warehouses, farmers markets, specialty food shops, drug stores, and pharmacies.

Parks

+2%

compared to baseline

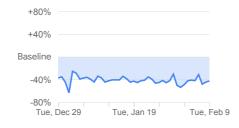


Mobility trends for places like national parks, public beaches, marinas, dog parks, plazas, and public gardens.

Transit stations

-42%

compared to baseline

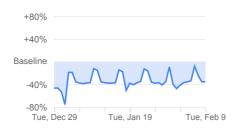


Mobility trends for places like public transport hubs such as subway, bus, and train stations.

Workplaces

-35%

compared to baseline

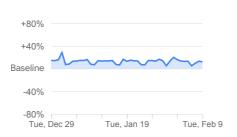


Mobility trends for places of work.

Residential

+13%

compared to baseline



Mobility trends for places of residence.

Accomack County

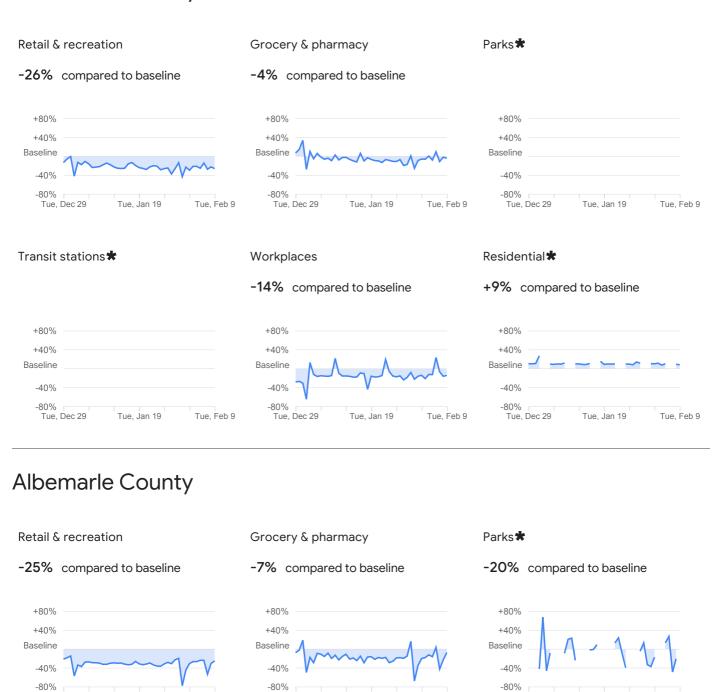
Tue, Dec 29

Transit stations

+80%

+40%

-22% compared to baseline





-40% compared to baseline

Tue, Jan 19

Tue. Feb 9

Tue, Dec 29

+14% compared to baseline

Residential

+80%

+40%

Tue. Jan 19

Tue. Feb 9

Tue. Feb 9

Tue, Dec 29

Workplaces

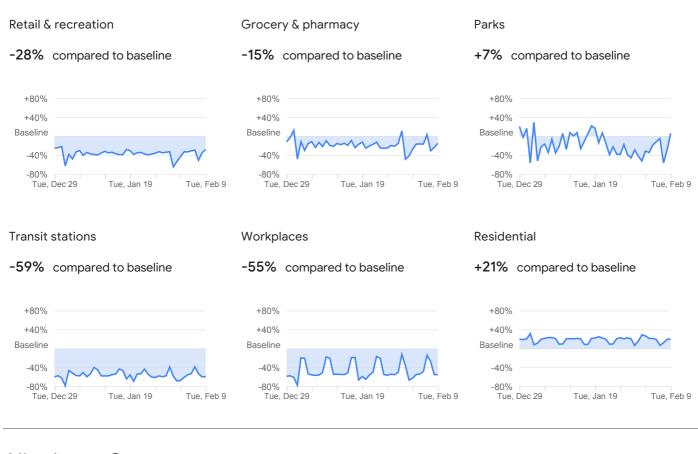
+80%

+40%

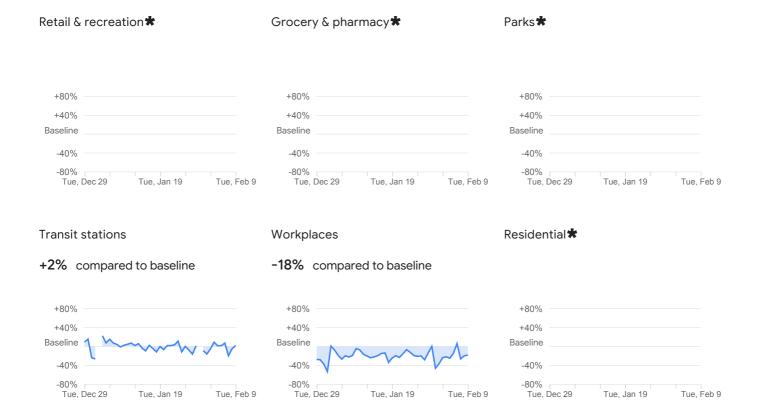
Tue. Jan 19

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

Alexandria

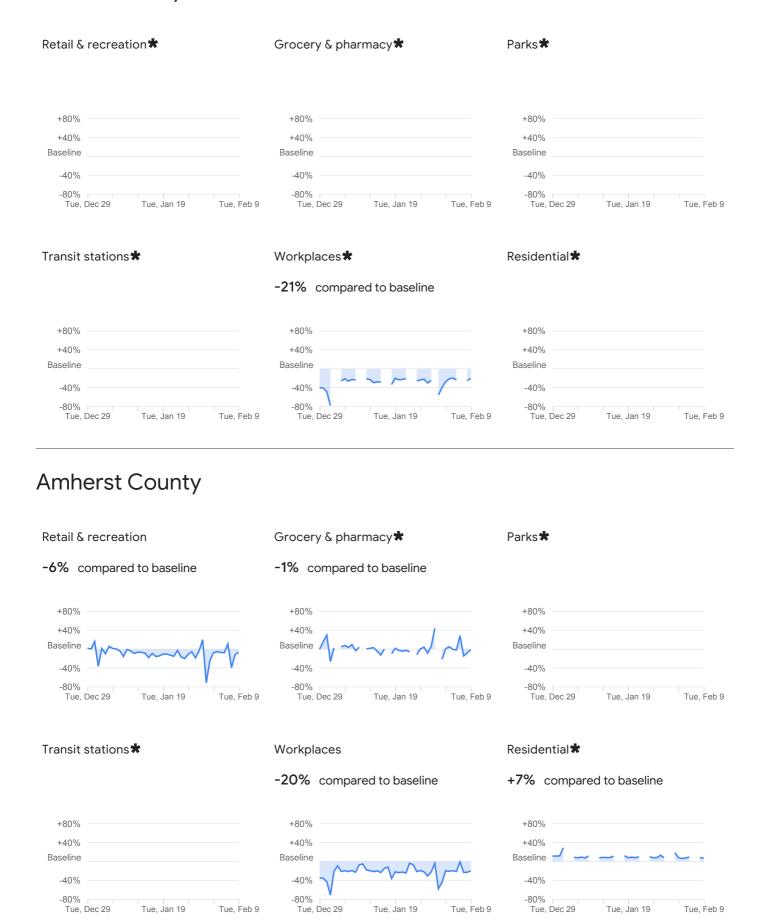


Alleghany County



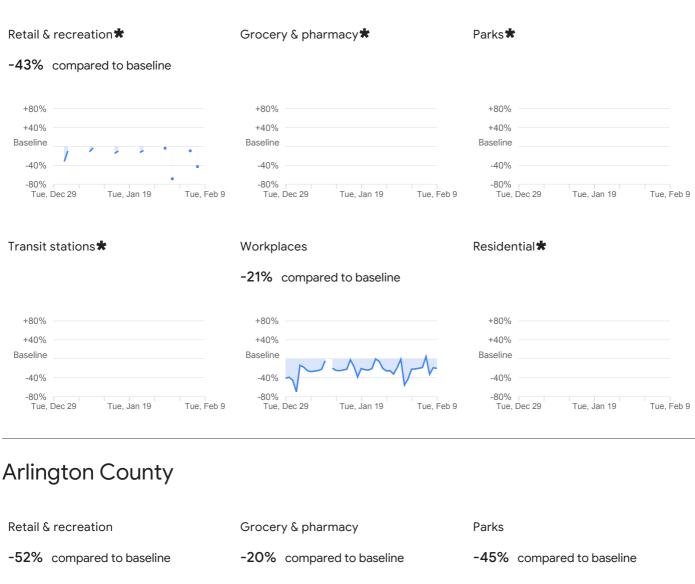
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

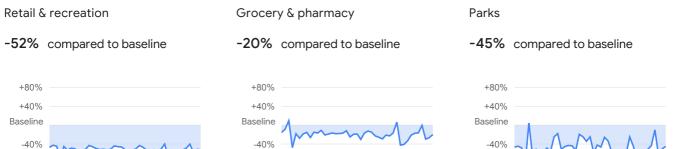
Amelia County

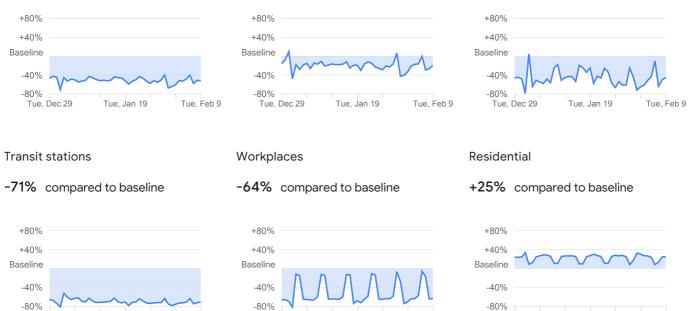


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Appomattox County







Tue. Jan 19

Tue, Feb 9

Tue. Dec 29

Tue, Jan 19

Tue, Feb 9

Tue. Dec 29

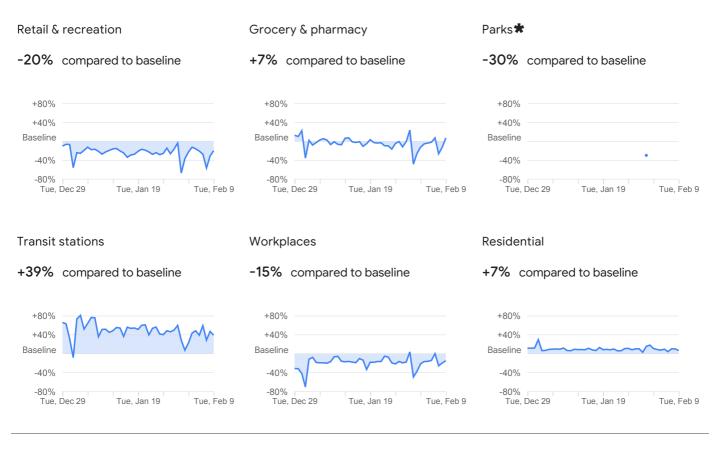
Tue, Feb 9

Tue, Jan 19

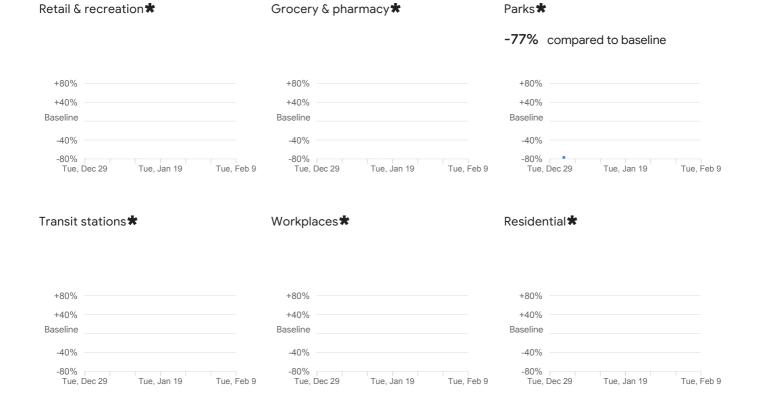
Tue. Dec 29

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

Augusta County



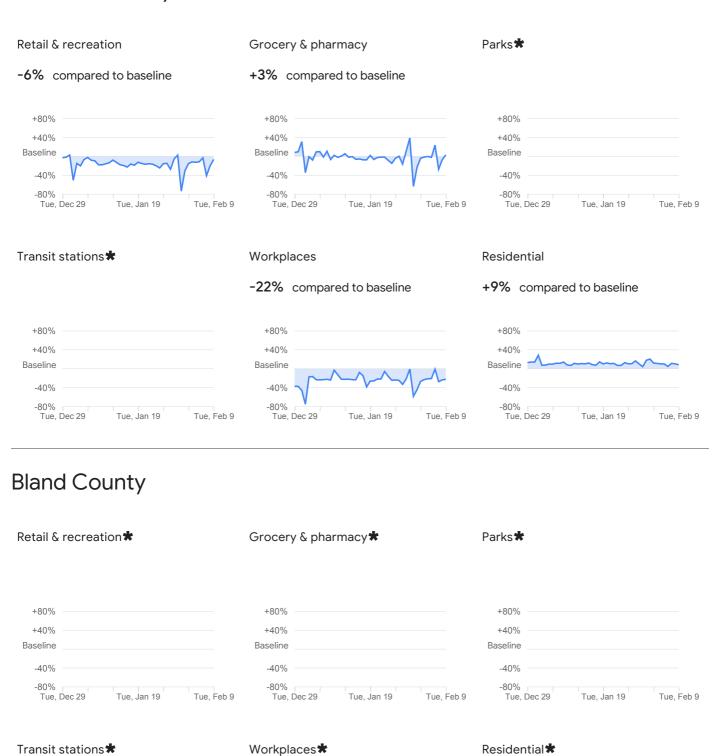
Bath County

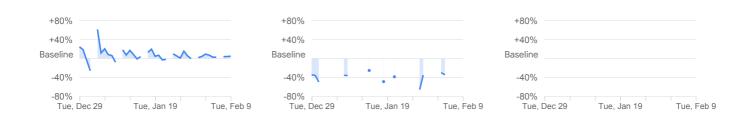


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Bedford County

+5% compared to baseline

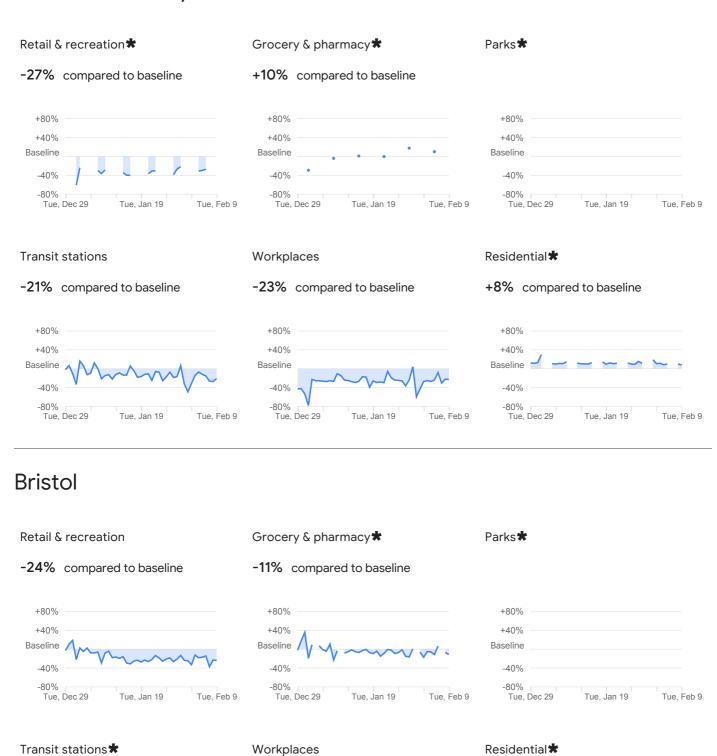




-35% compared to baseline

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

Botetourt County





+80%

+40%

-26% compared to baseline

+6% compared to baseline

Tue, Jan 19

Tue, Feb 9

+80%

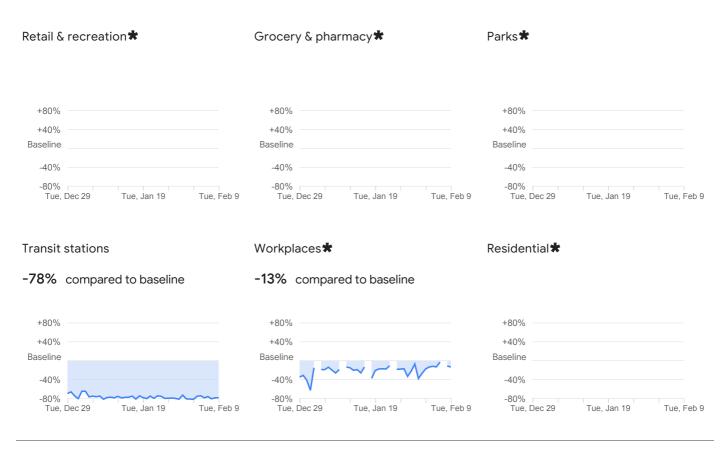
+40%

+80%

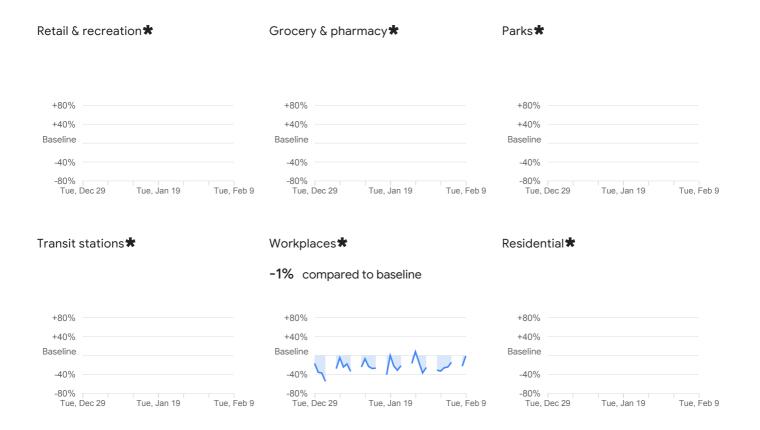
+40%

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Brunswick County

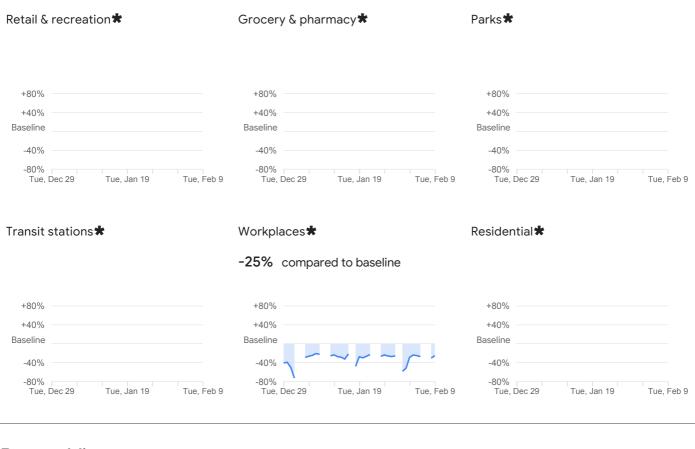


Buchanan County

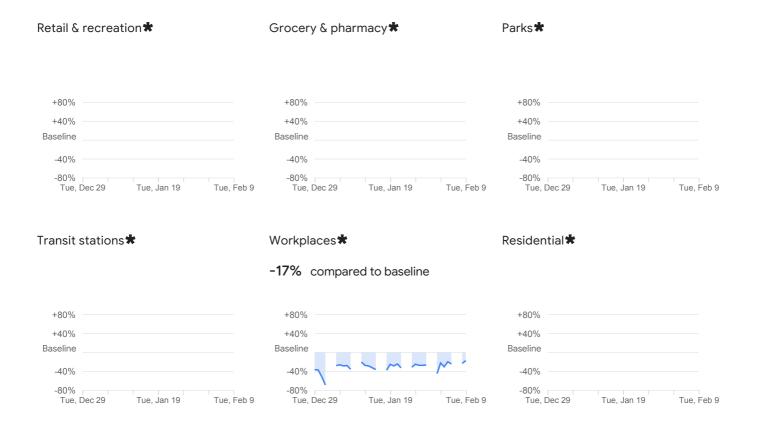


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Buckingham County

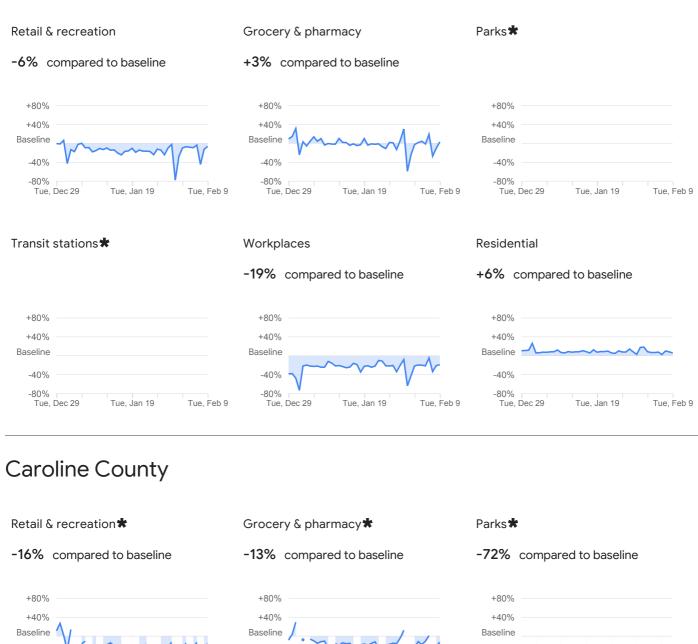


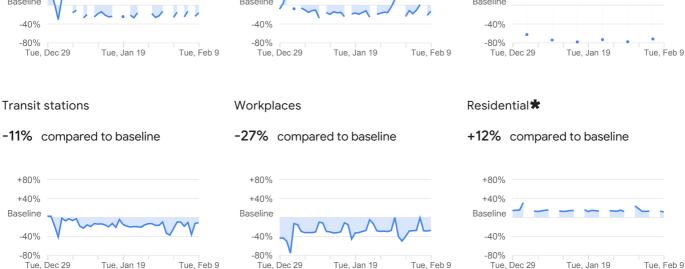
Buena Vista



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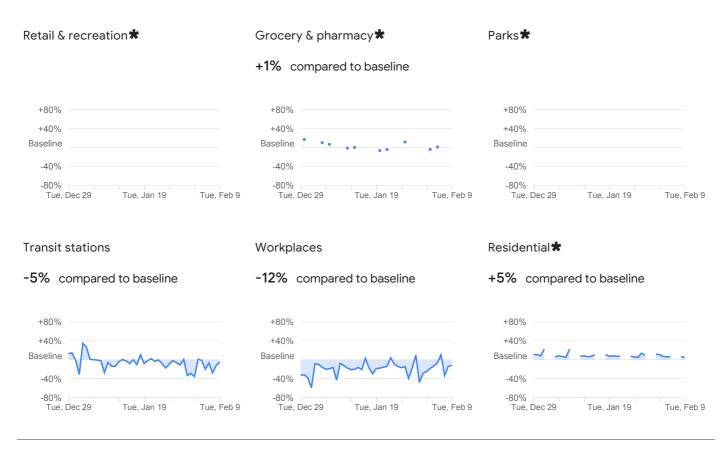
Campbell County



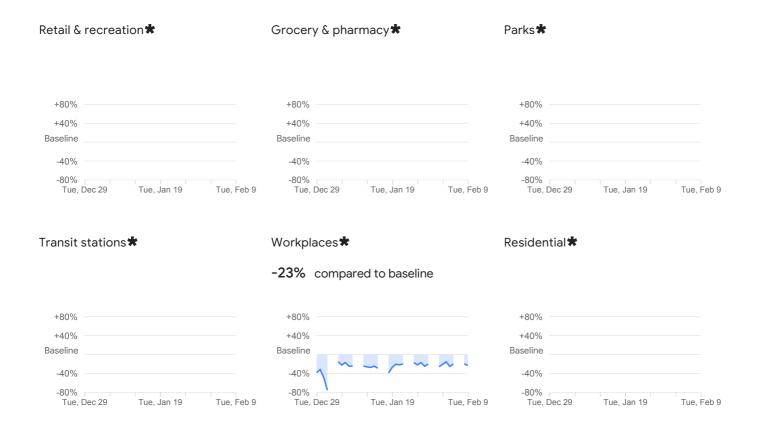


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Carroll County

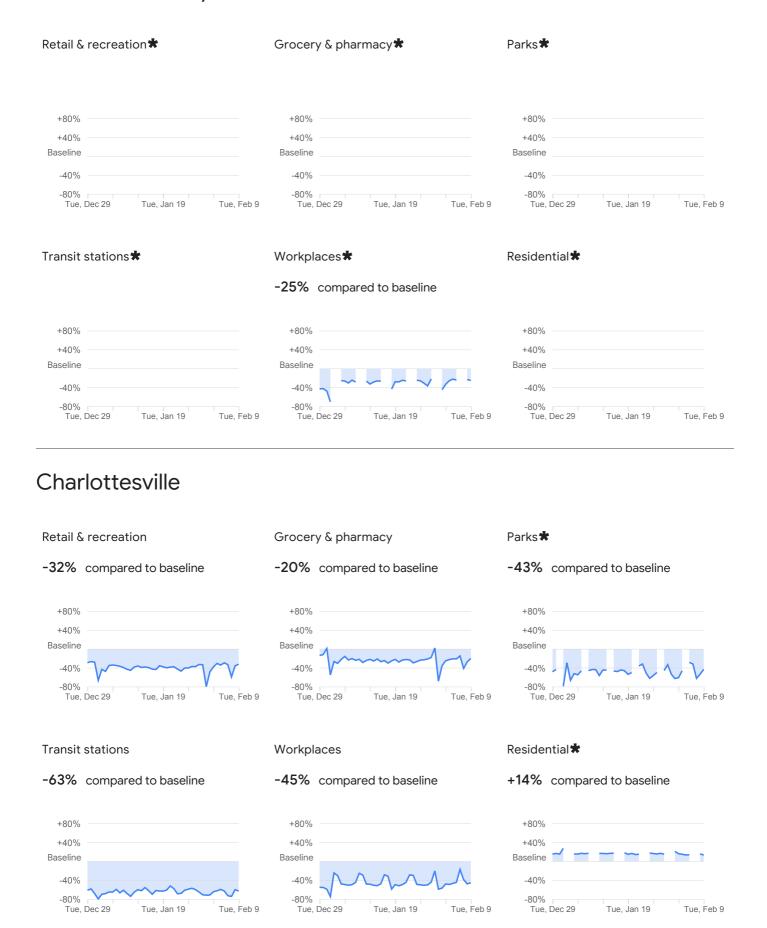


Charles City County



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Charlotte County

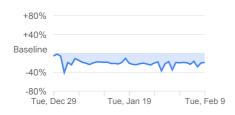


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Chesapeake

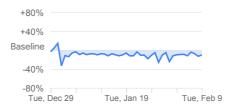
Retail & recreation

-19% compared to baseline



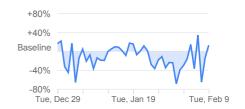
Grocery & pharmacy

-10% compared to baseline



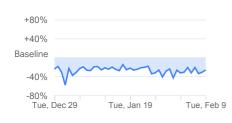
Parks

+13% compared to baseline



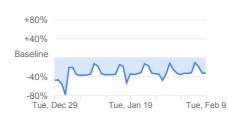
Transit stations

-26% compared to baseline



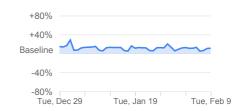
Workplaces

-33% compared to baseline



Residential

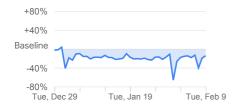
+12% compared to baseline



Chesterfield County

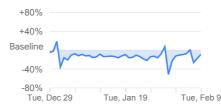
Retail & recreation

-14% compared to baseline



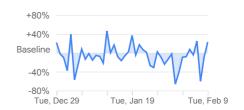
Grocery & pharmacy

-9% compared to baseline



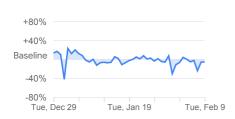
Parks

+24% compared to baseline



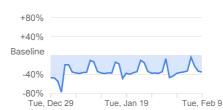
Transit stations

-5% compared to baseline



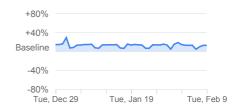
Workplaces

-35% compared to baseline

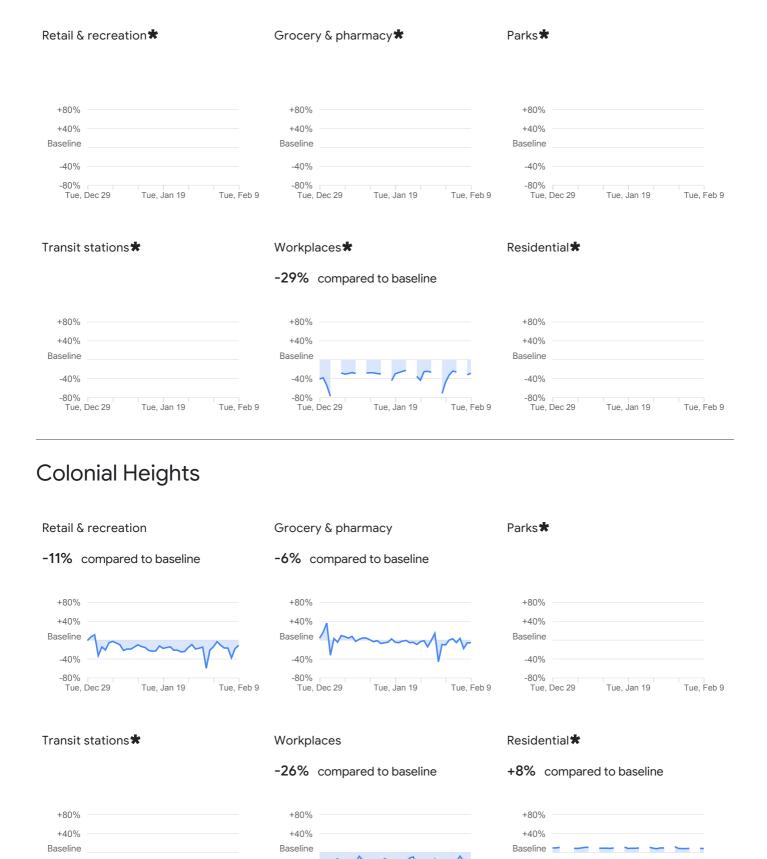


Residential

+13% compared to baseline



Clarke County



Tue, Feb 9

-40%

-80%

Tue. Dec 29

Tue. Jan 19

-40%

-80%

Tue, Feb 9

Tue, Dec 29

Tue, Jan 19

Tue, Feb 9

-40%

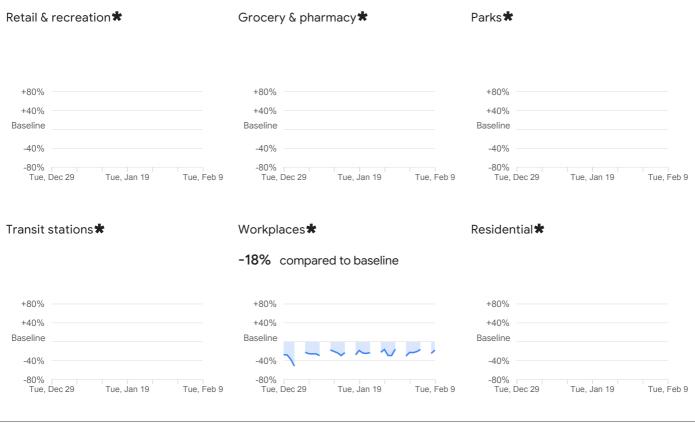
-80%

Tue, Dec 29

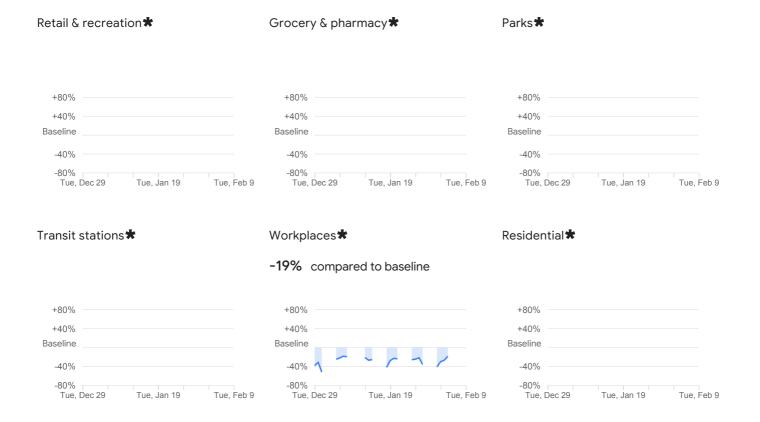
Tue, Jan 19

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Covington

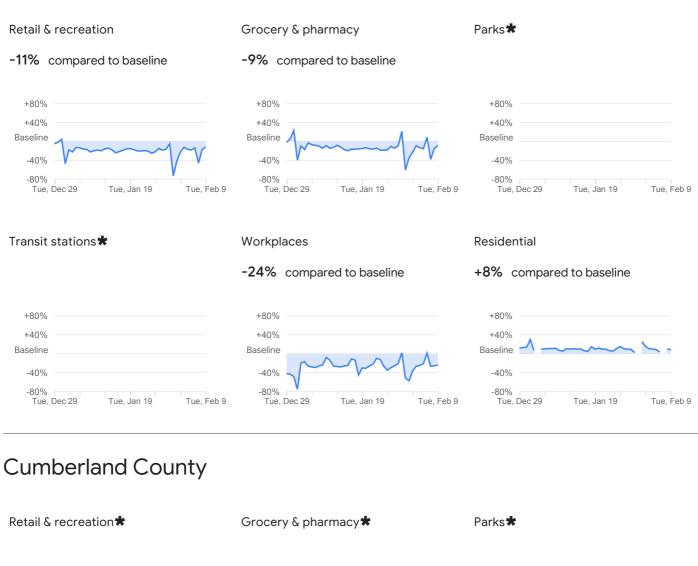


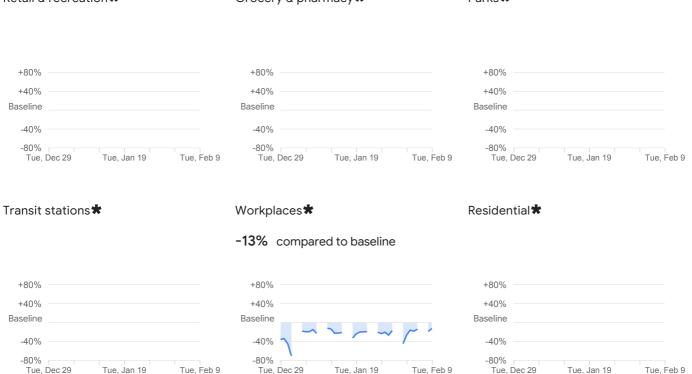
Craig County



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Culpeper County





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Danville

+80%

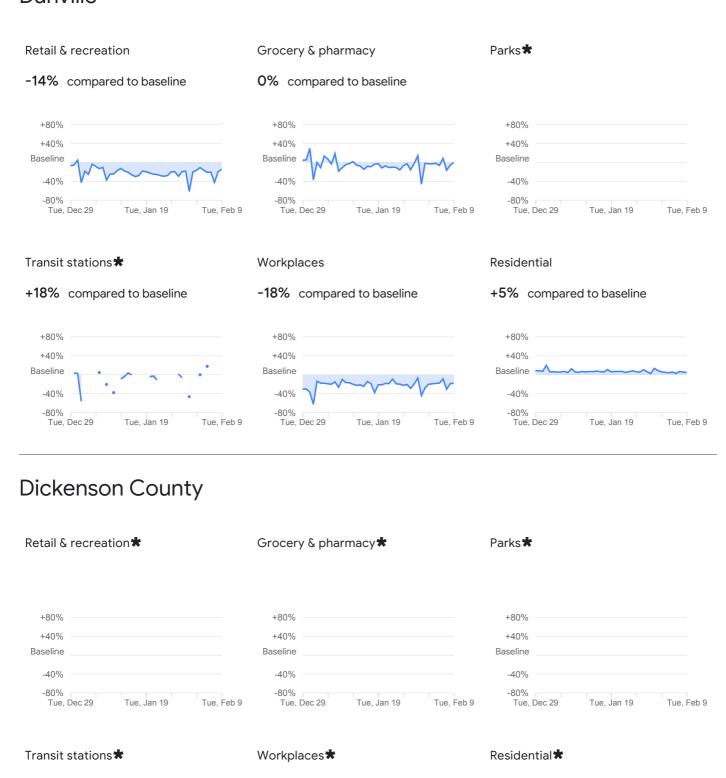
+40%

-40% -80%

Tue, Dec 29

Tue, Jan 19

Baseline



-21% compared to baseline

Tue. Jan 19

+80%

+40%

-40%

-80%

Tue, Feb 9

Tue, Dec 29

Tue, Jan 19

Tue, Feb 9

Baseline

+80%

+40%

-40%

-80%

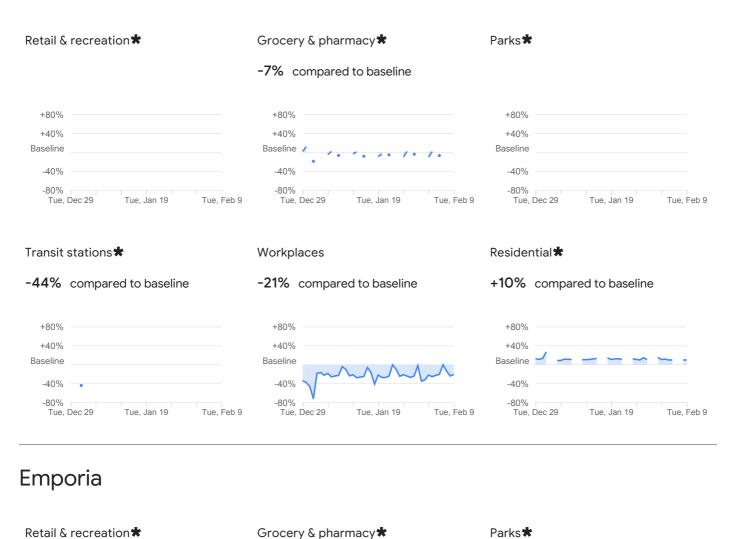
Tue, Dec 29

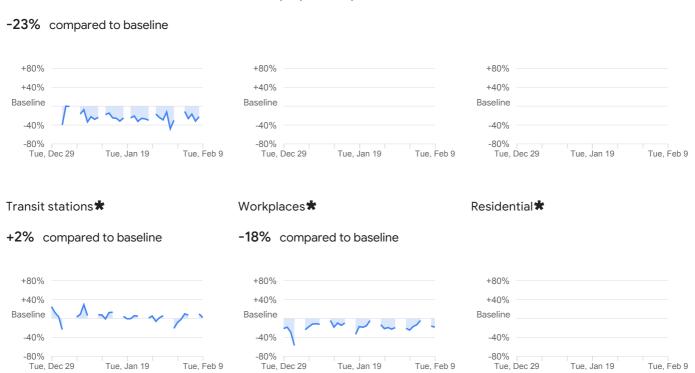
Baseline

Tue, Feb 9

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

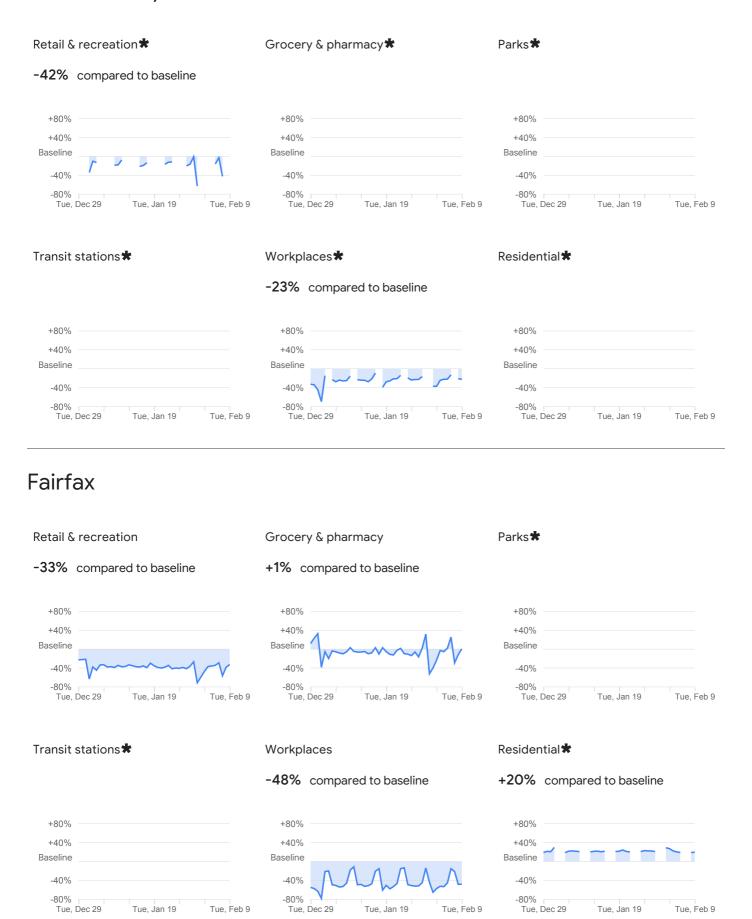
Dinwiddie County





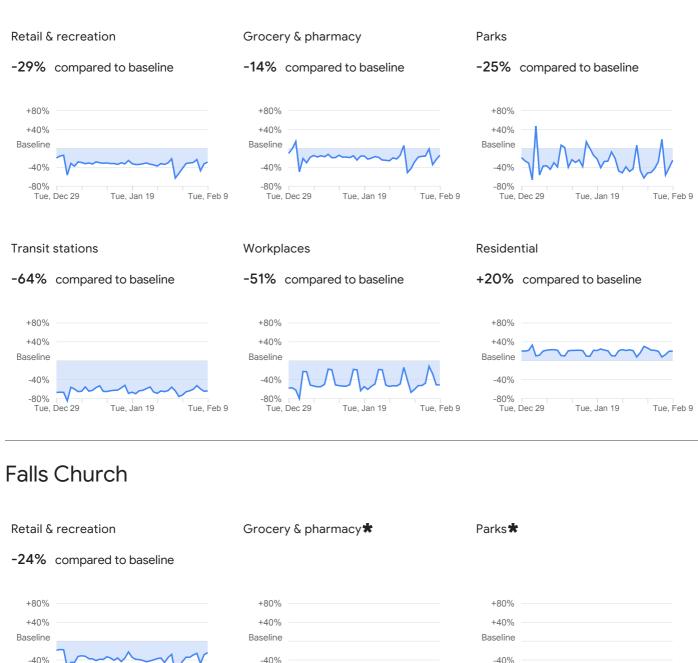
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

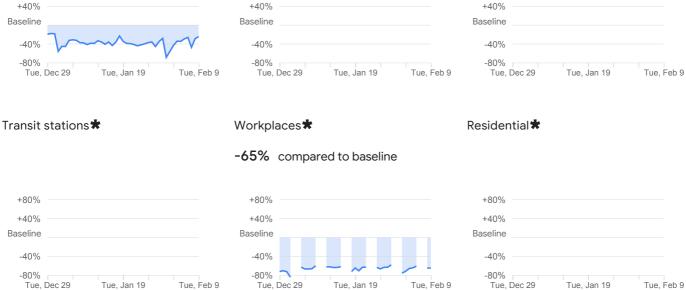
Essex County



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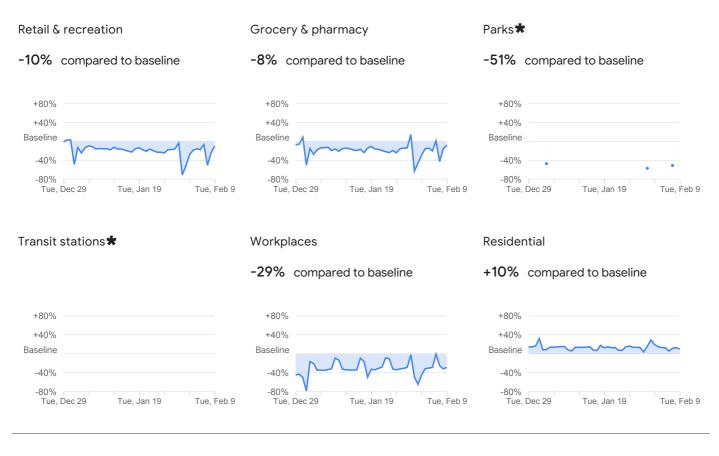
Fairfax County



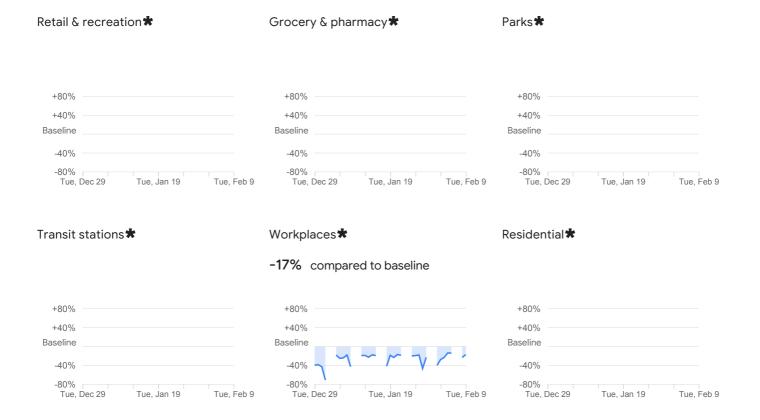


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Fauquier County



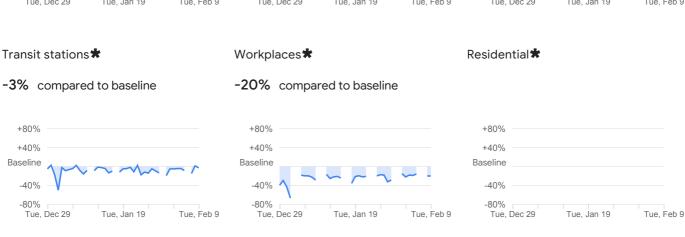
Floyd County



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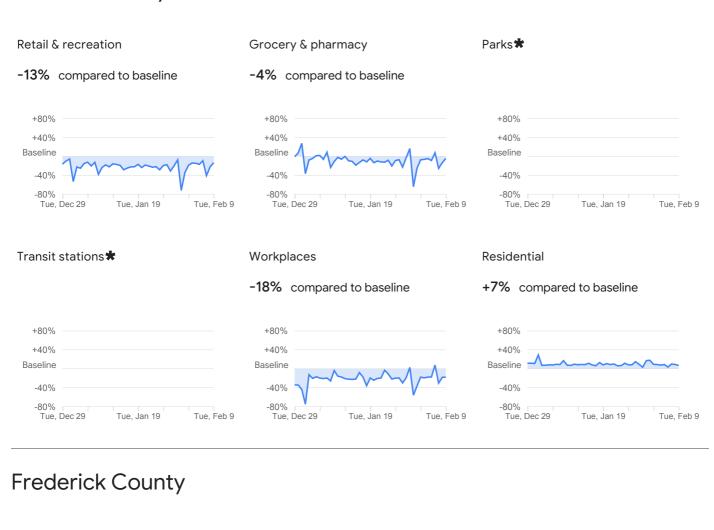
Fluvanna County

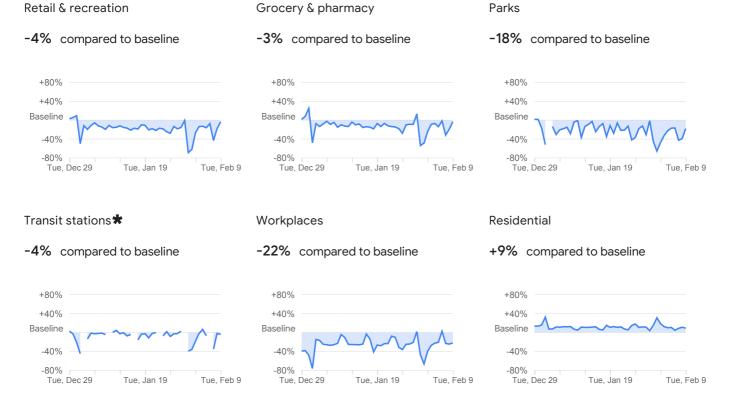




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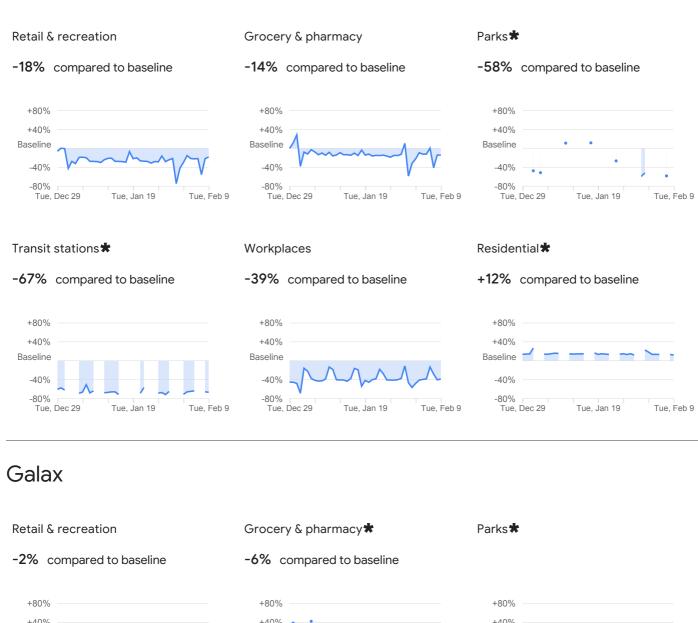
Franklin County

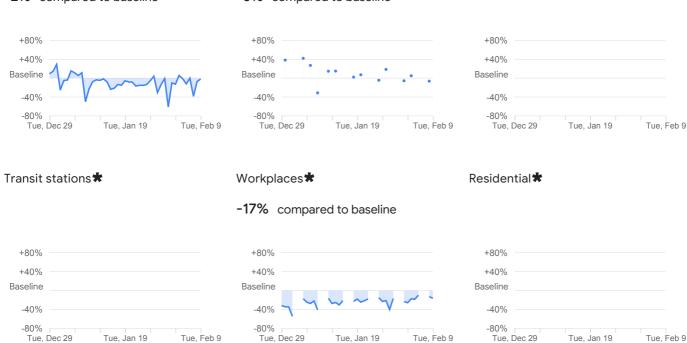




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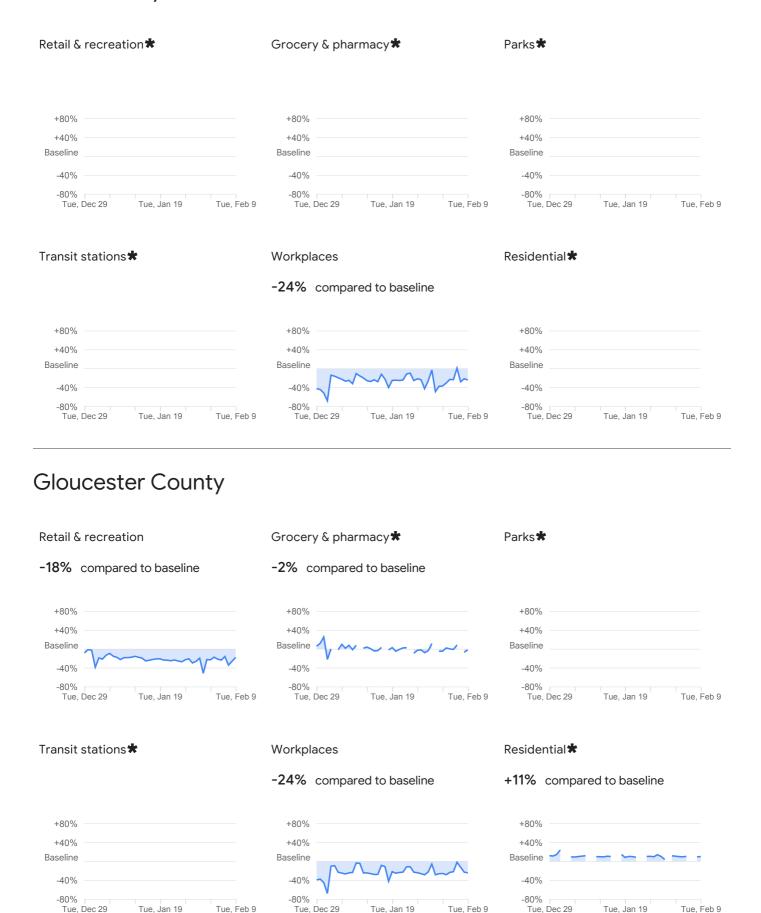
Fredericksburg





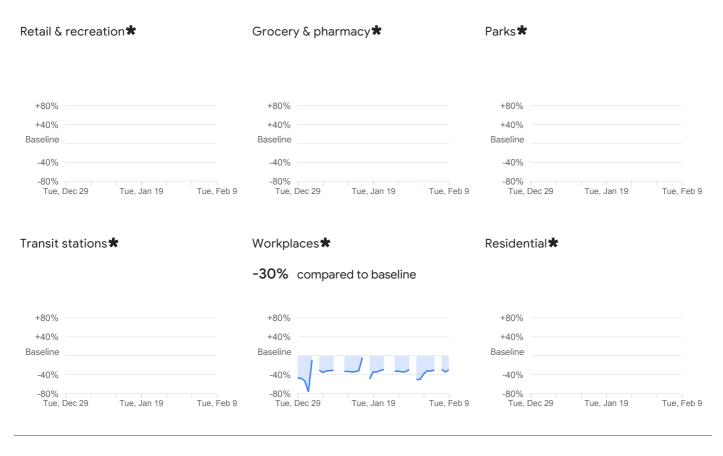
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Giles County

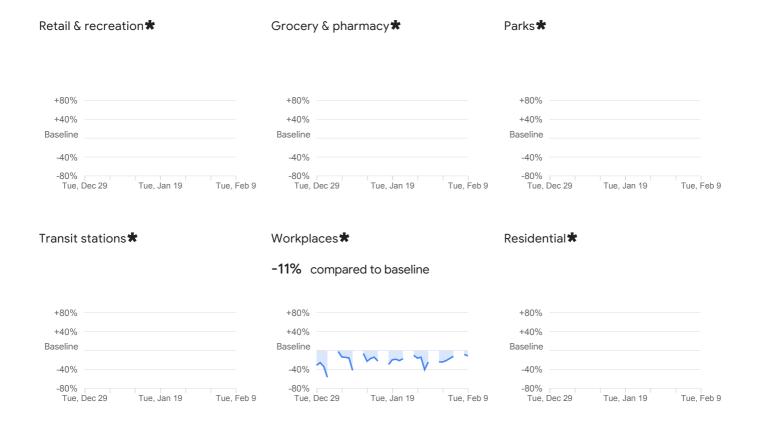


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Goochland County

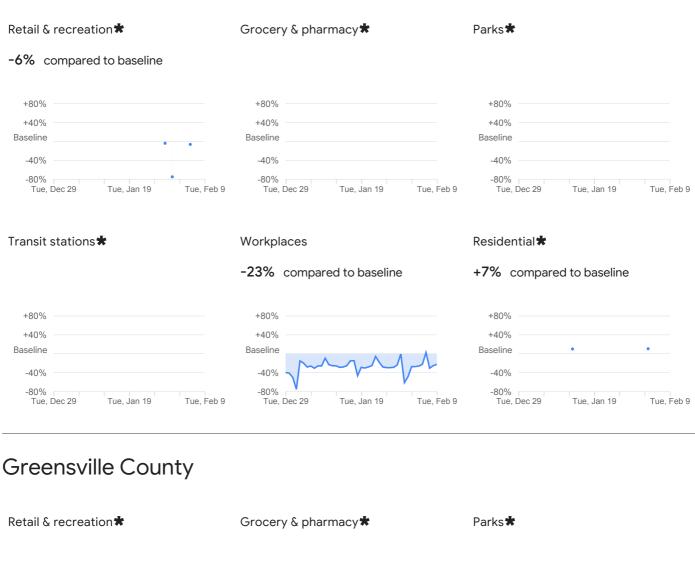


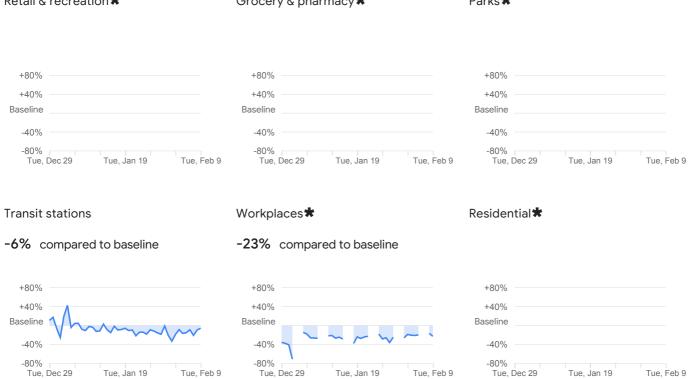
Grayson County



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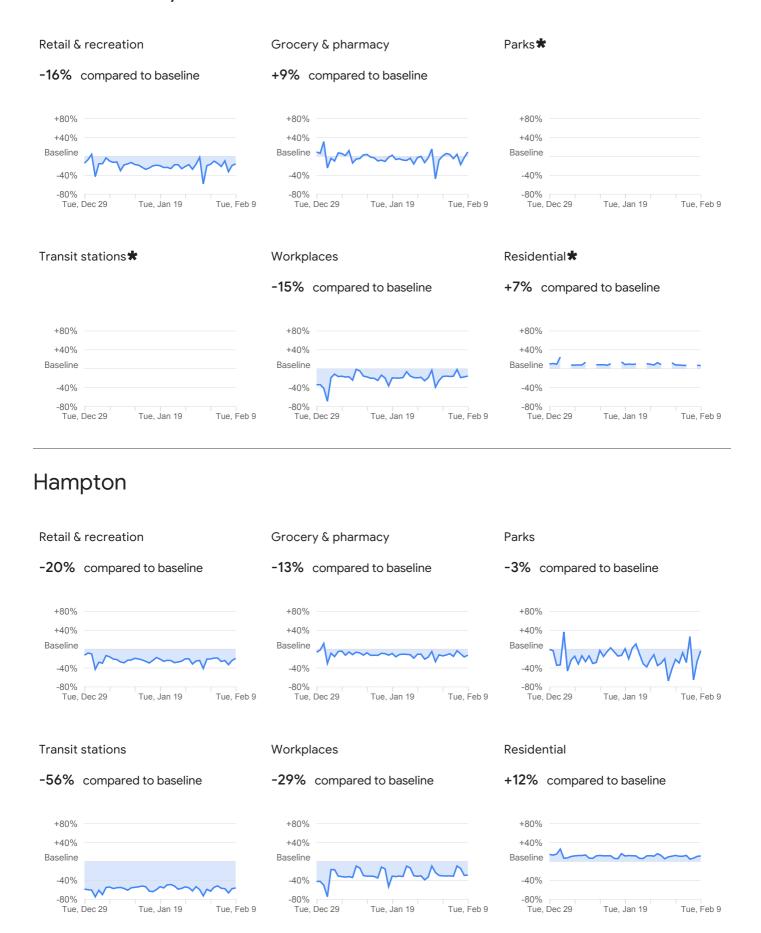
Greene County





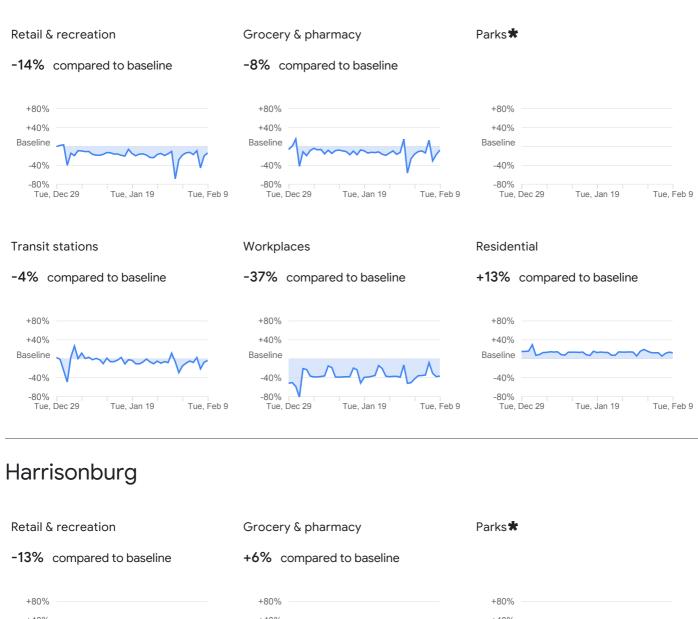
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

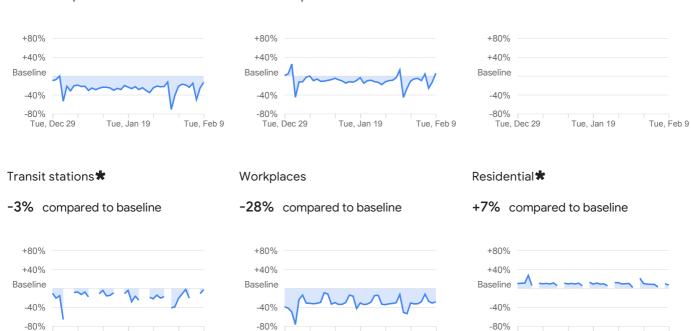
Halifax County



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Hanover County





Tue. Jan 19

Tue, Feb 9

Tue. Dec 29

Tue, Jan 19

Tue, Feb 9

Tue. Dec 29

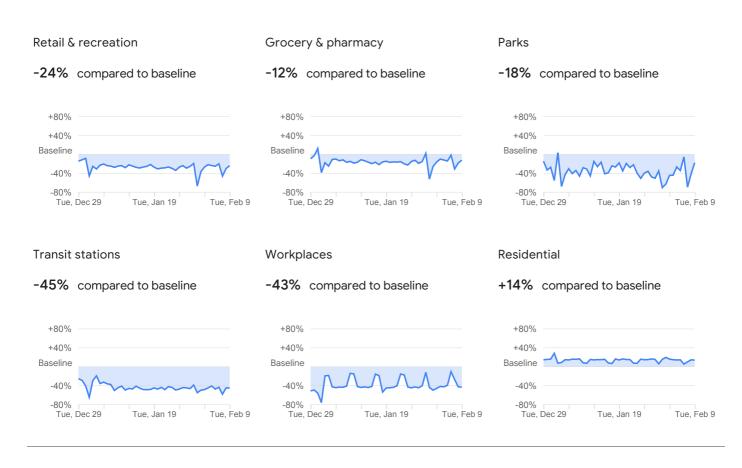
Tue, Feb 9

Tue, Jan 19

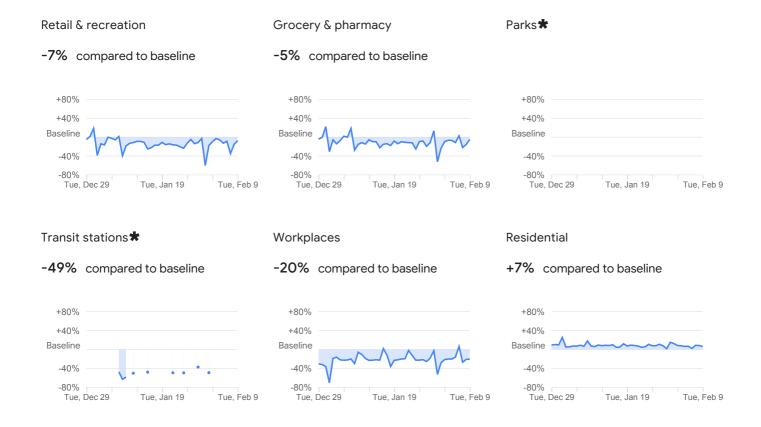
Tue. Dec 29

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

Henrico County

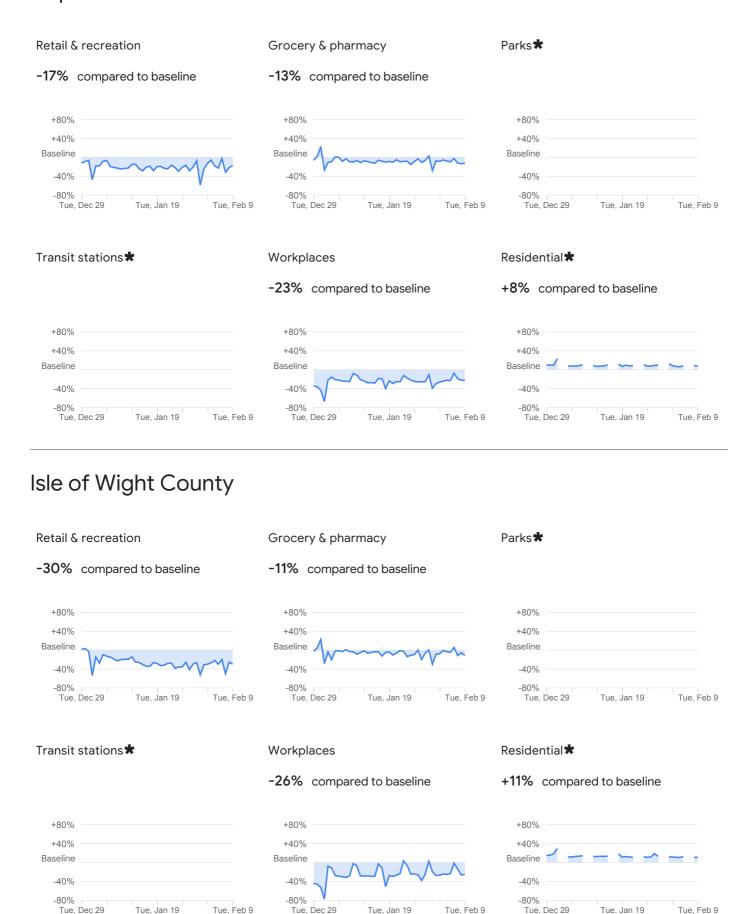


Henry County



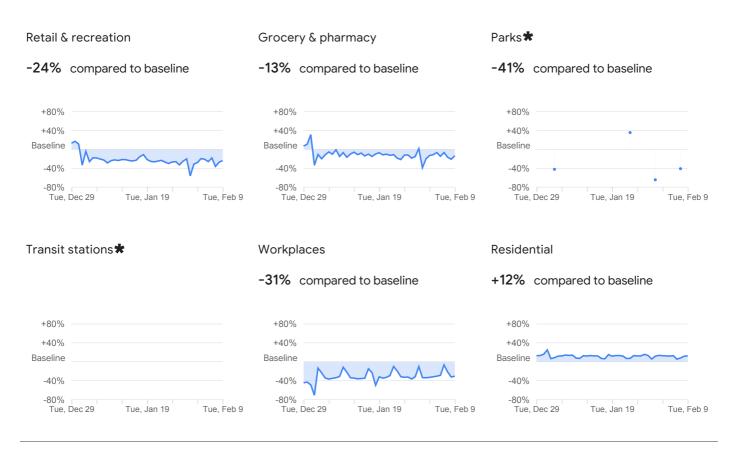
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Hopewell

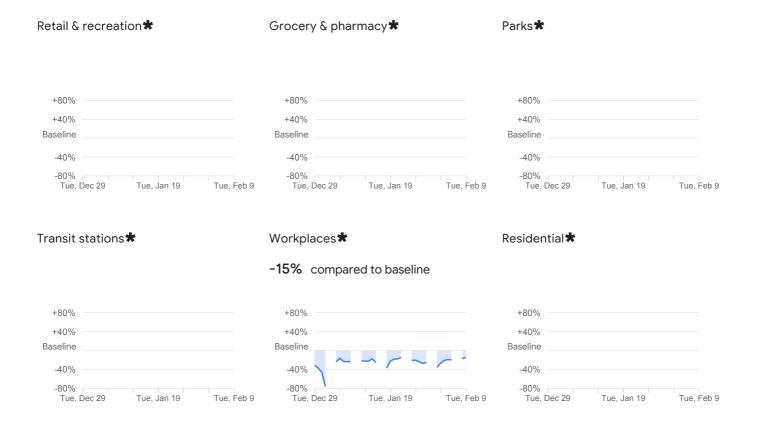


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James City County

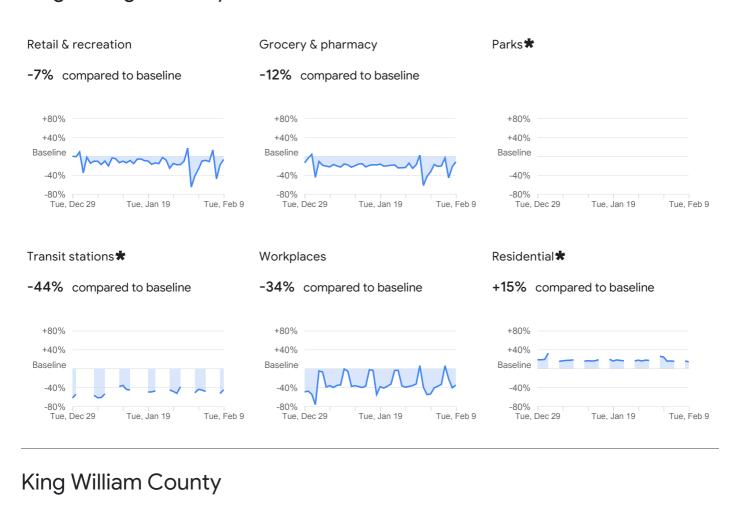


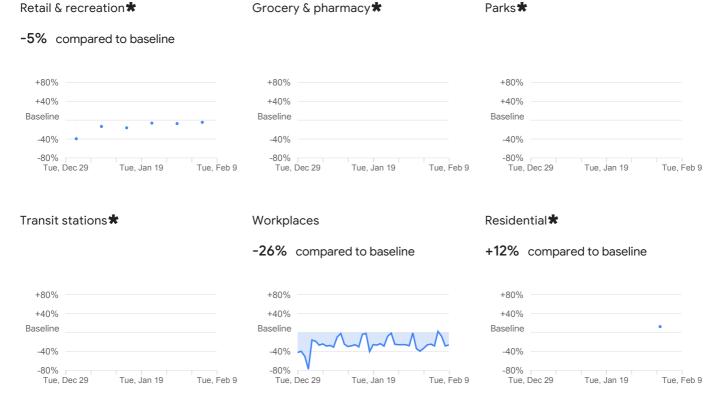
King and Queen County



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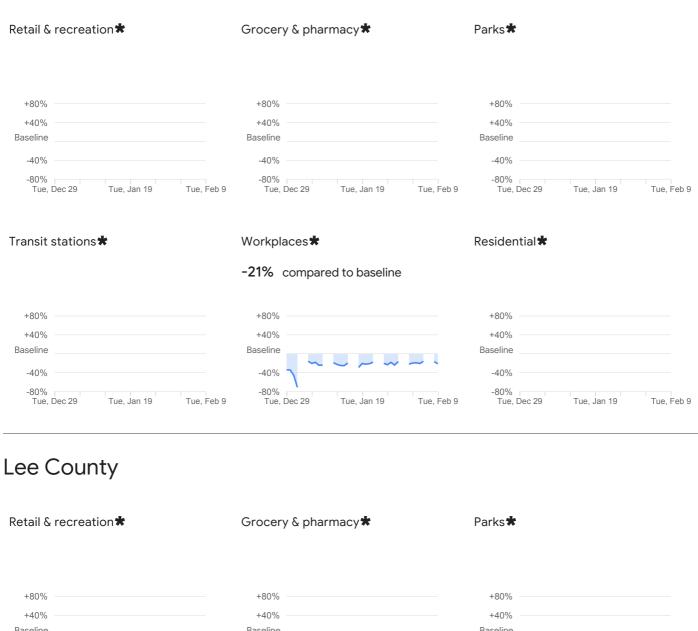
King George County

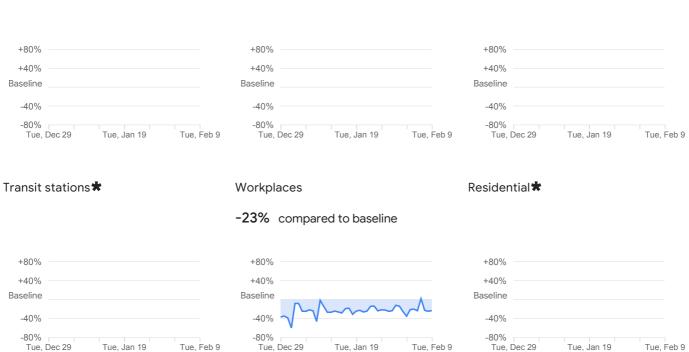




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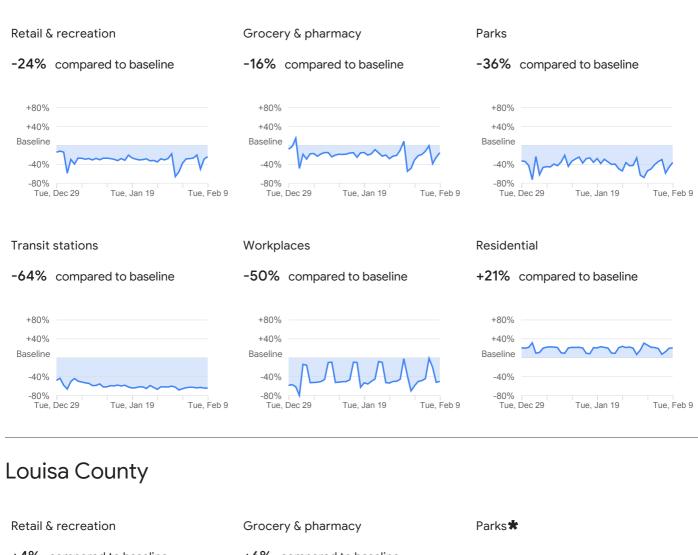
Lancaster County

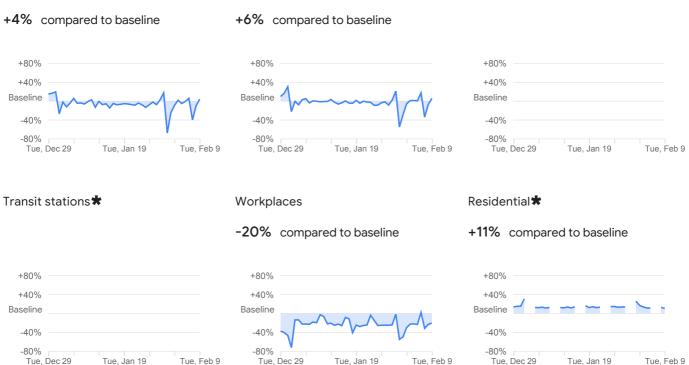




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

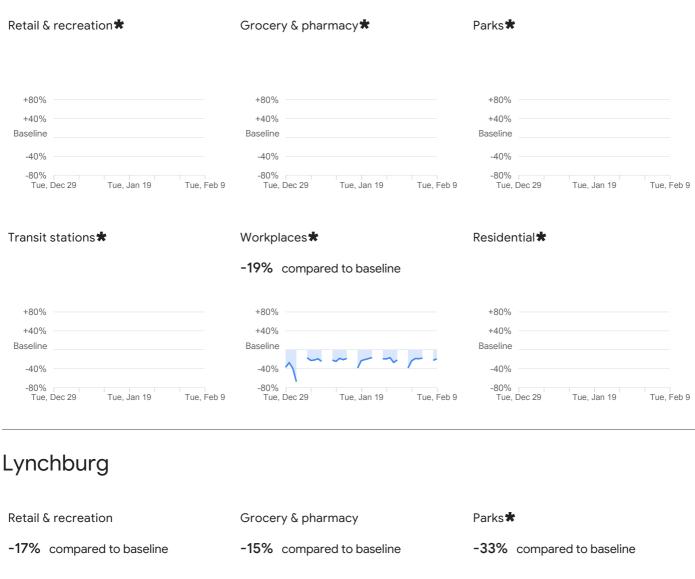
Loudoun County





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Lunenburg County





Tue. Jan 19

Tue, Feb 9

Tue, Jan 19

Tue. Dec 29

Tue, Feb 9

Tue. Dec 29

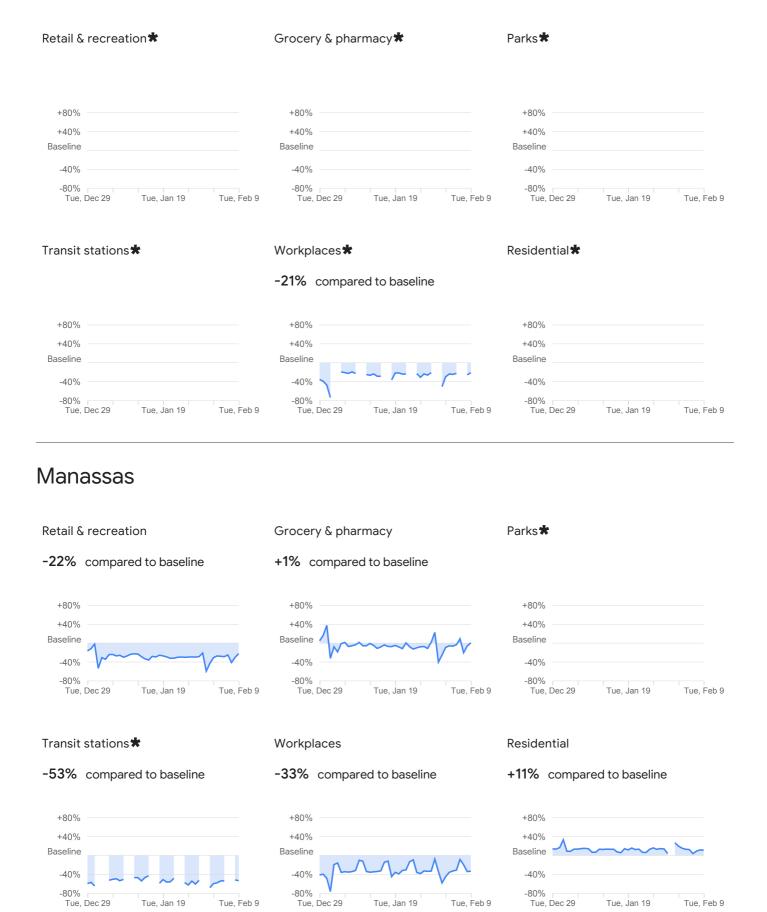
Tue, Feb 9

Tue, Jan 19

Tue. Dec 29

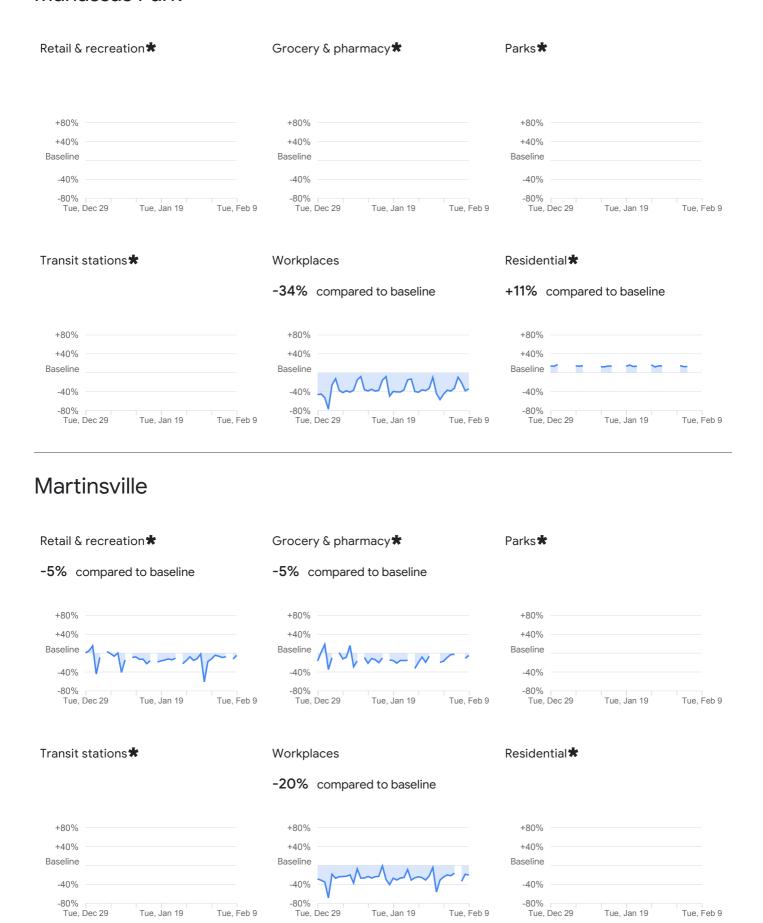
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Madison County



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

Manassas Park

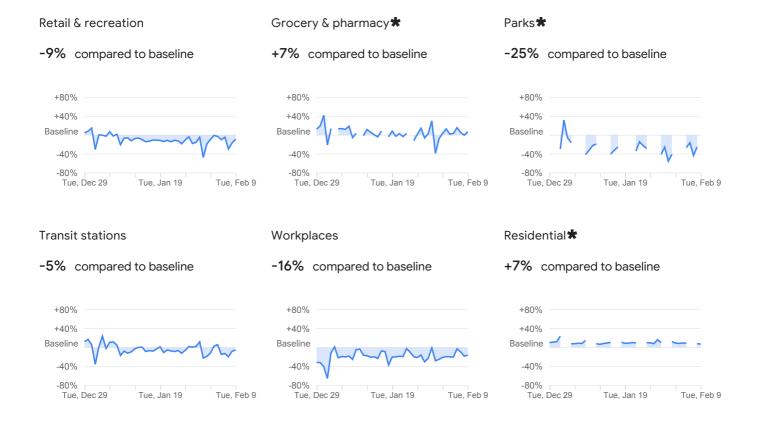


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Mathews County

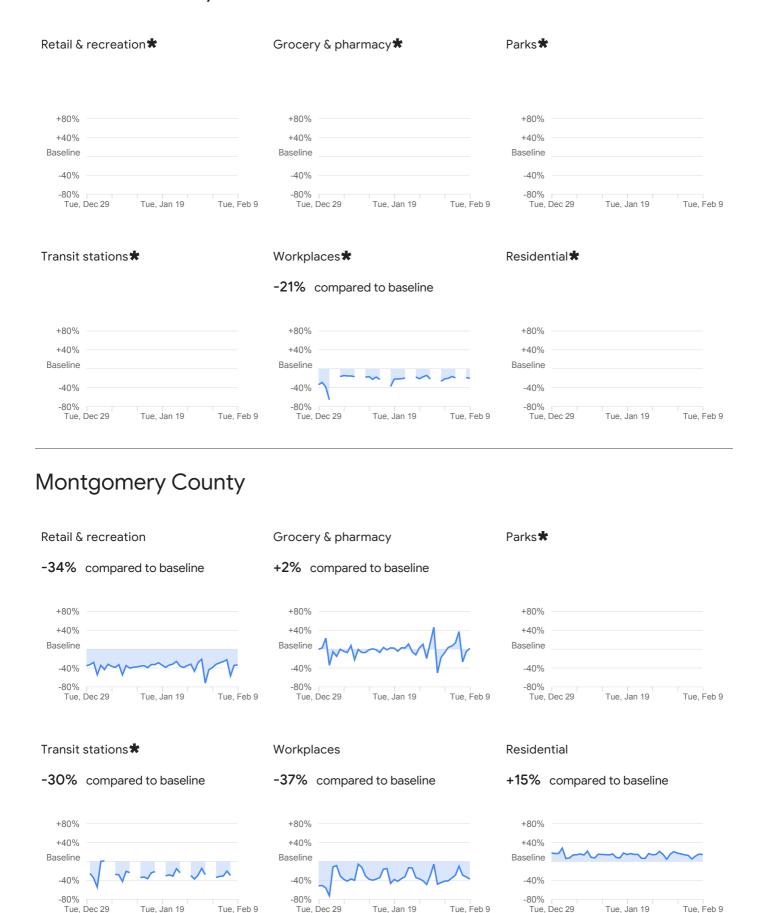


Mecklenburg County



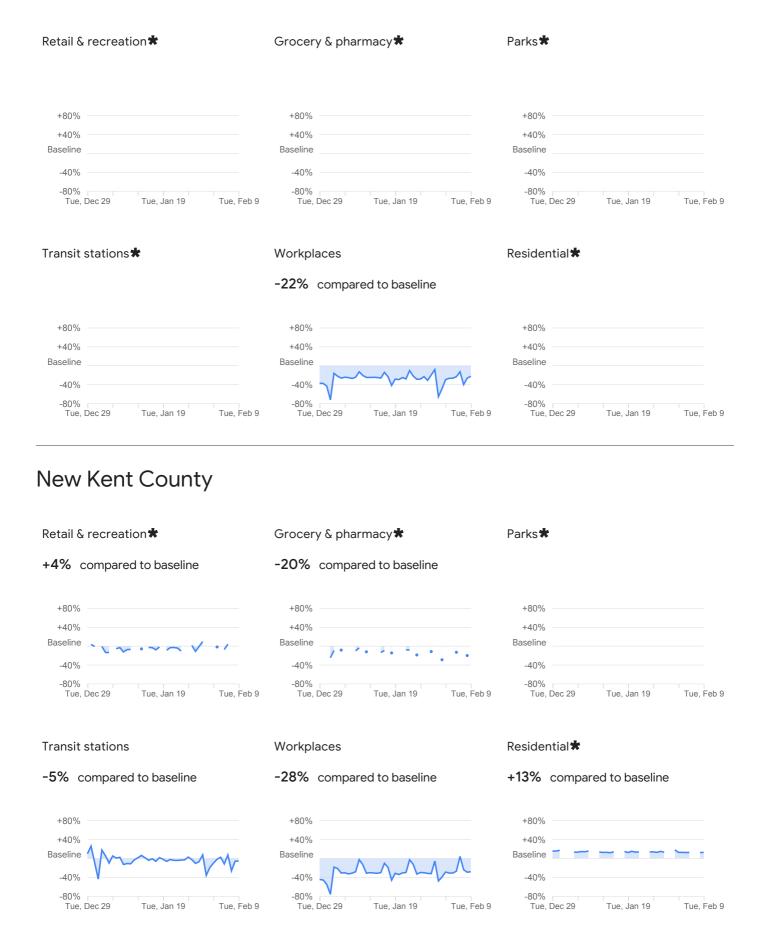
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Middlesex County



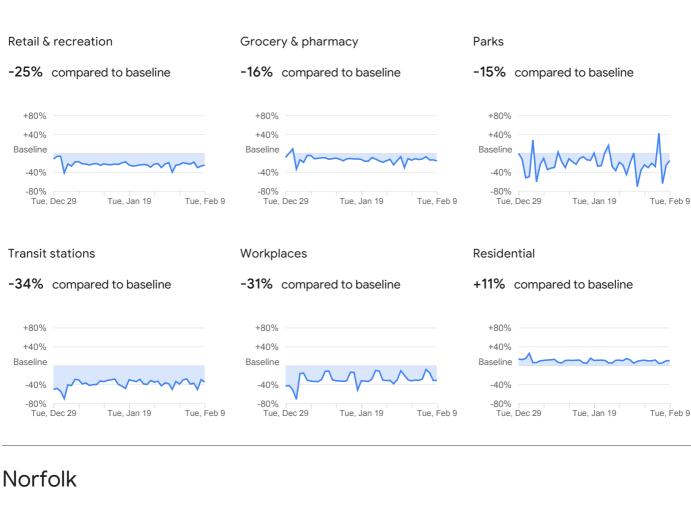
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

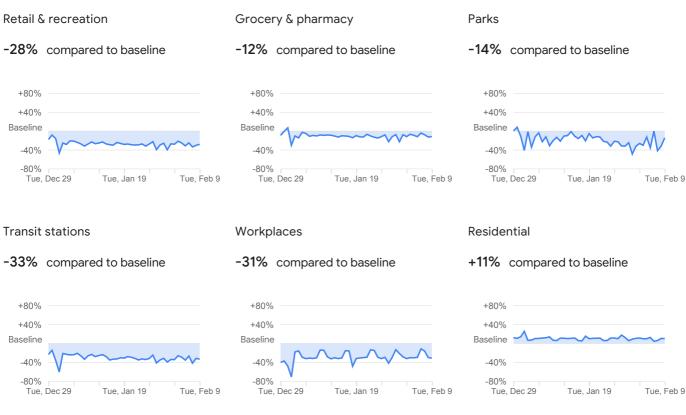
Nelson County



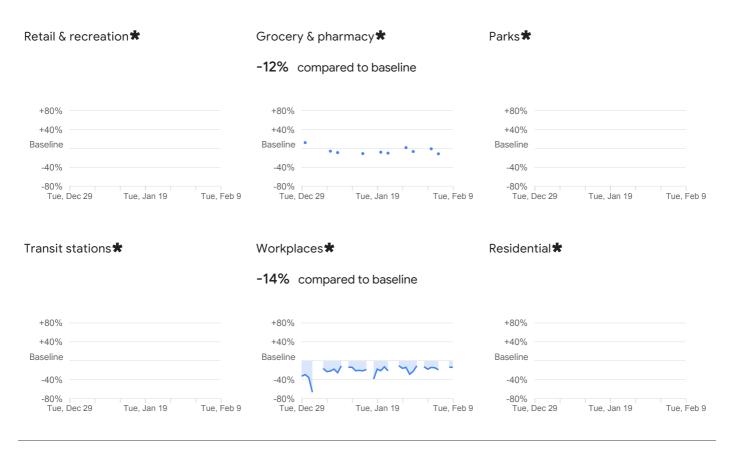
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Newport News

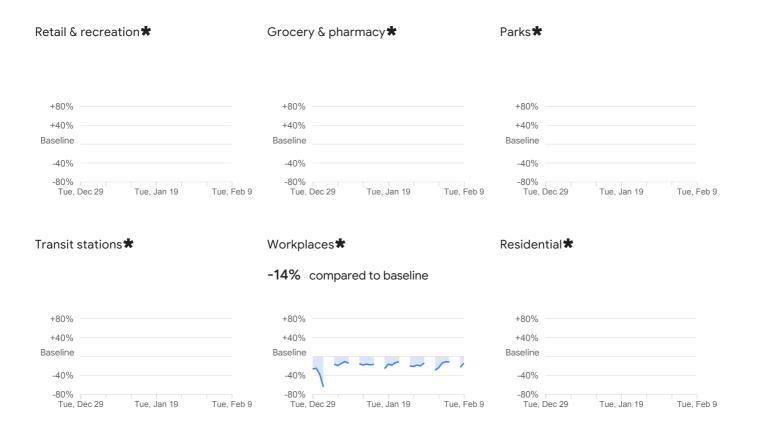




Northampton County

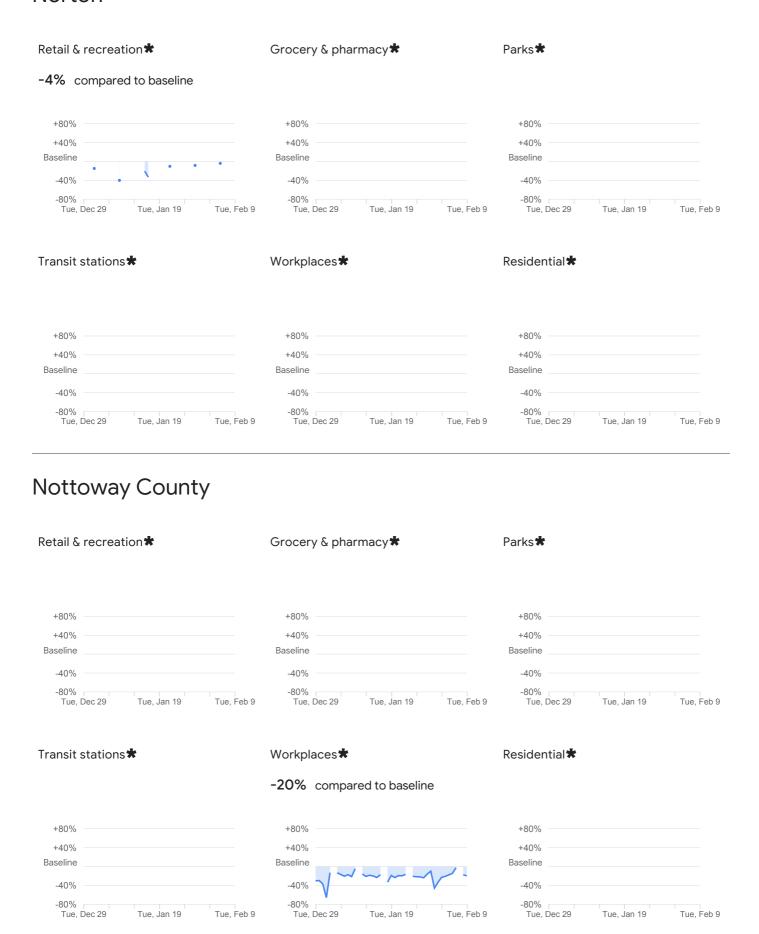


Northumberland County



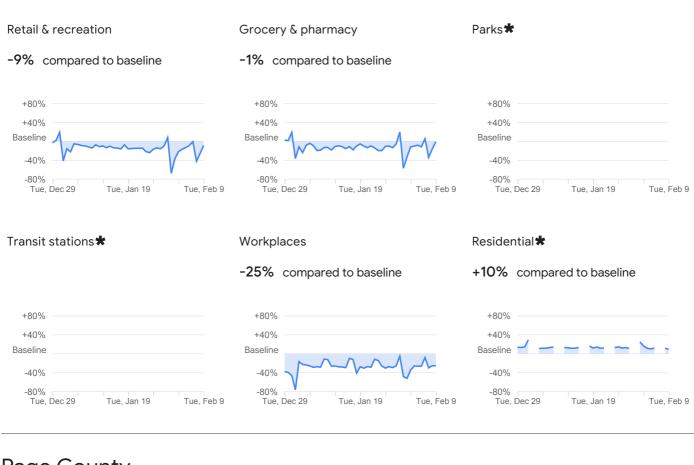
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Norton

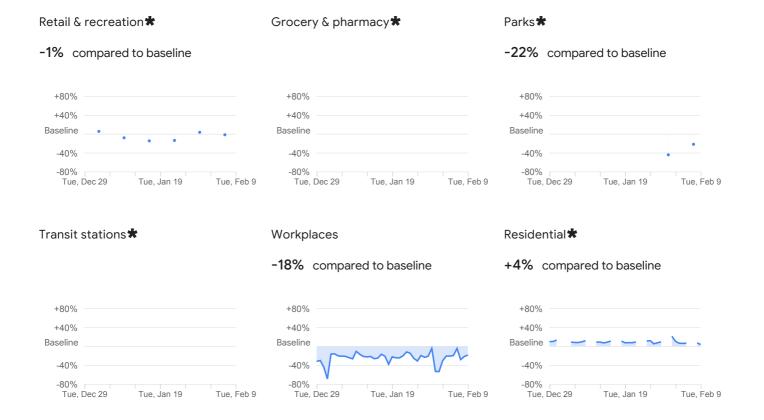


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Orange County

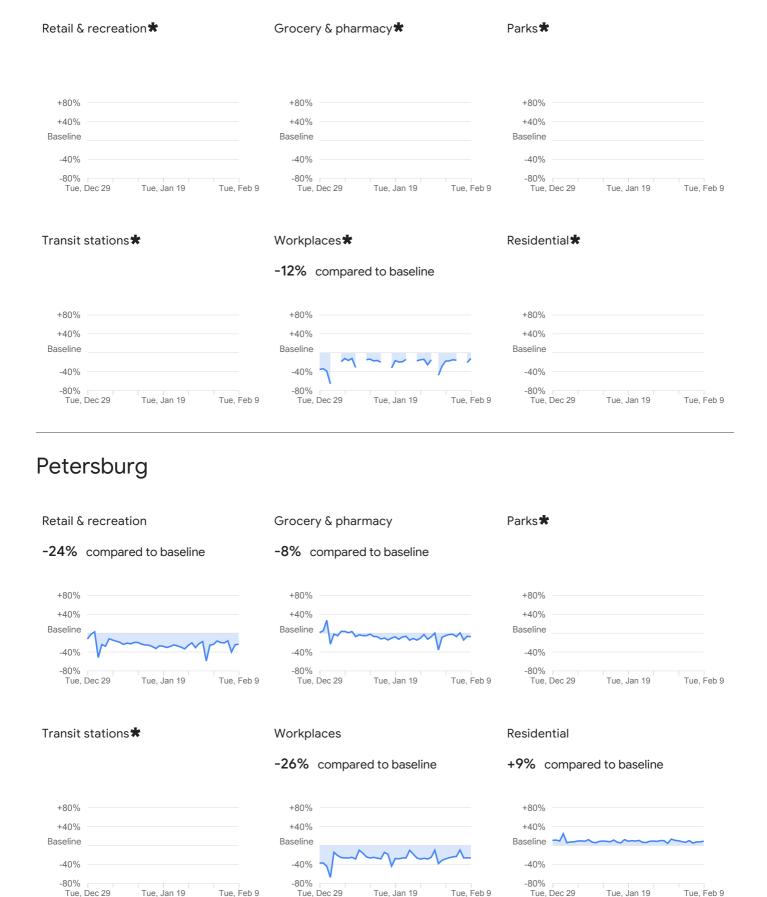


Page County



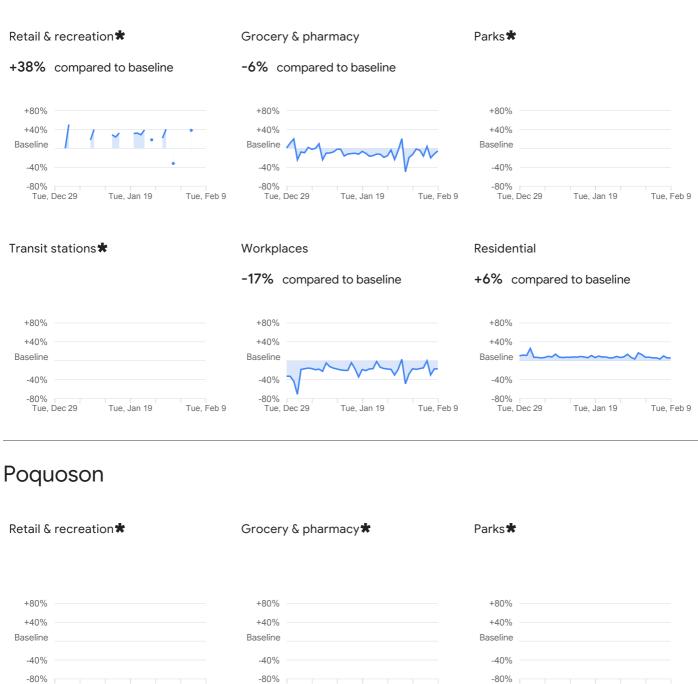
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

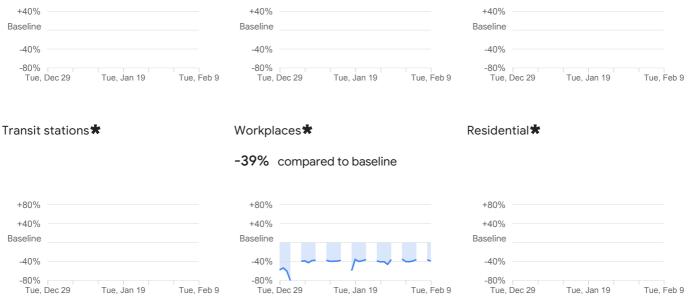
Patrick County



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

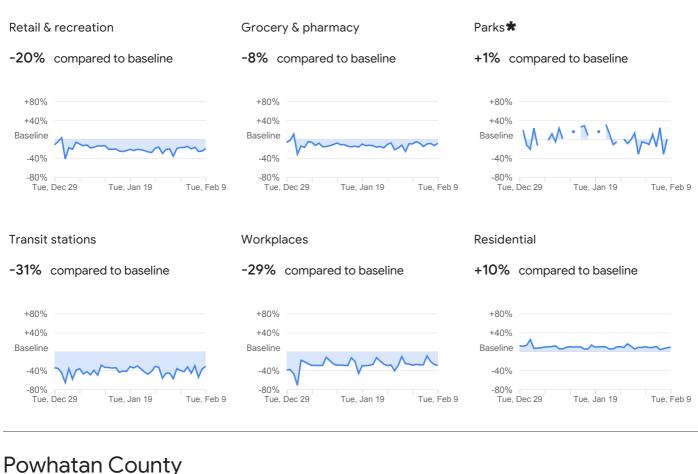
Pittsylvania County



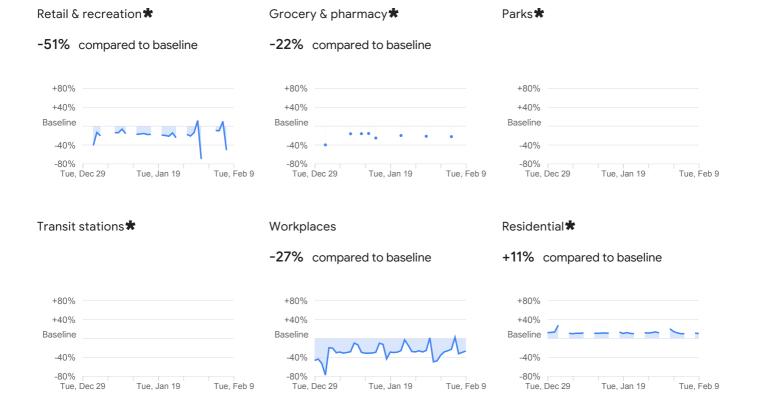


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Portsmouth

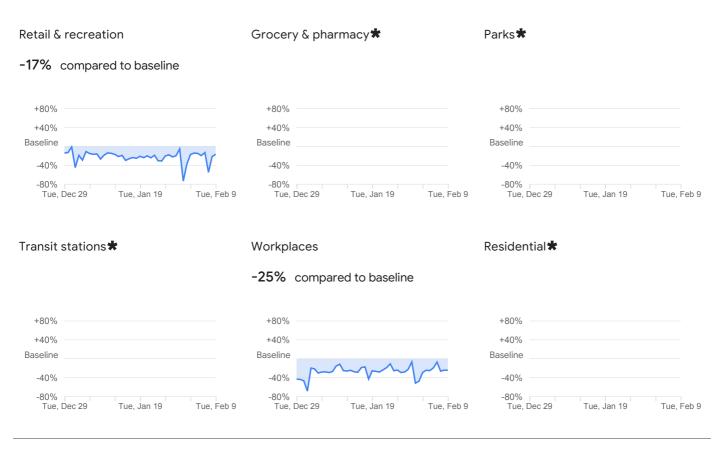


Powhatan County

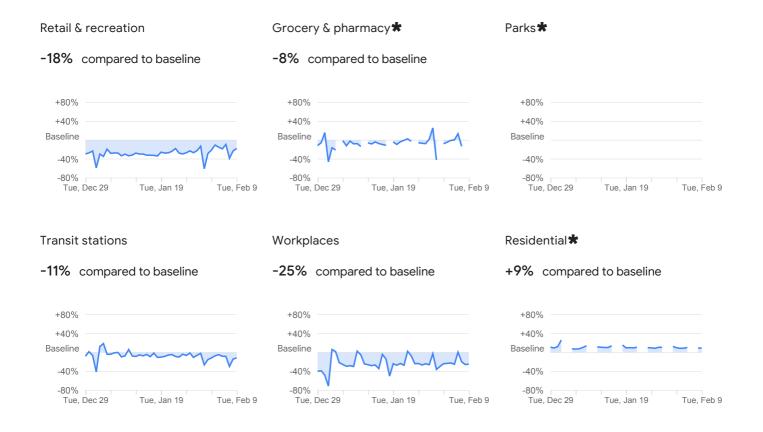


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Prince Edward County

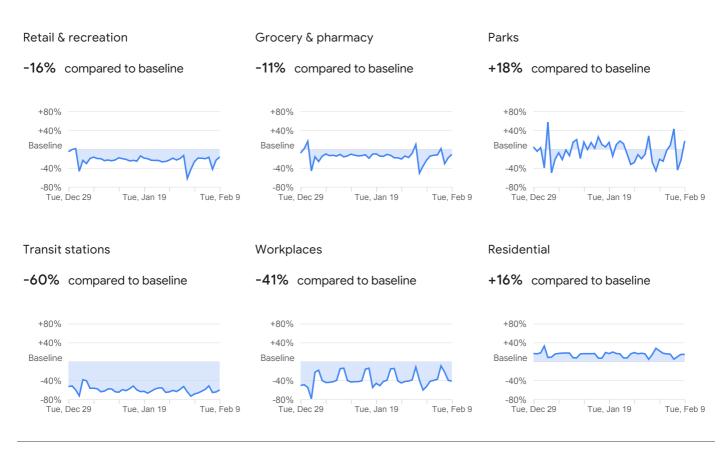


Prince George County

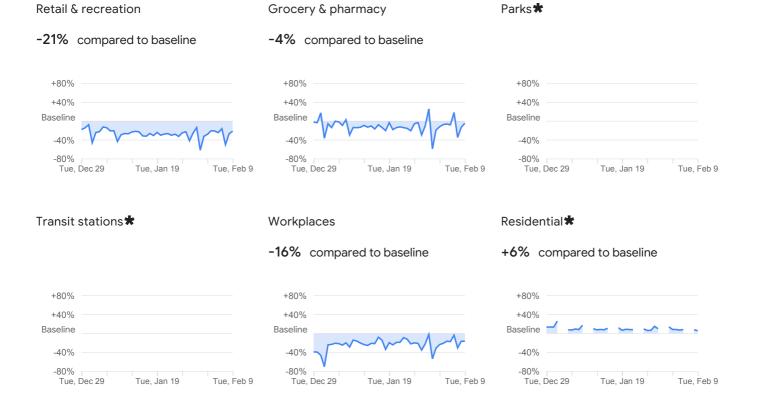


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Prince William County

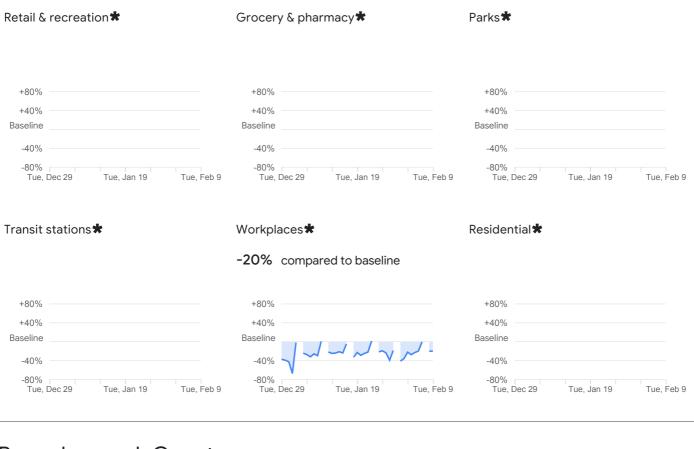


Pulaski County

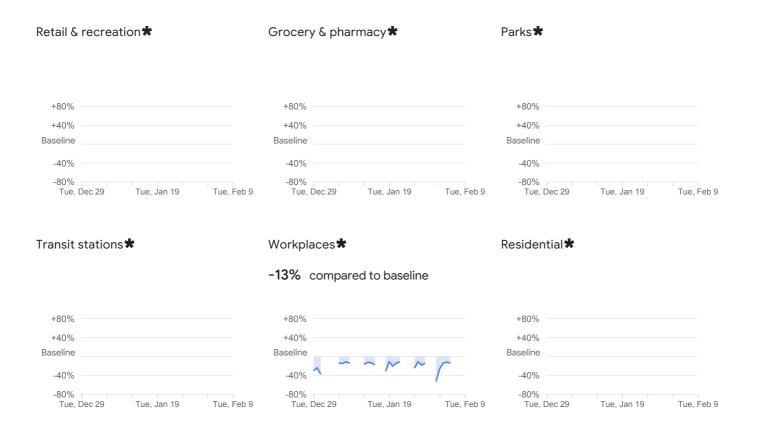


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Radford



Rappahannock County



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

Richmond

Transit stations*

+80%

+40%

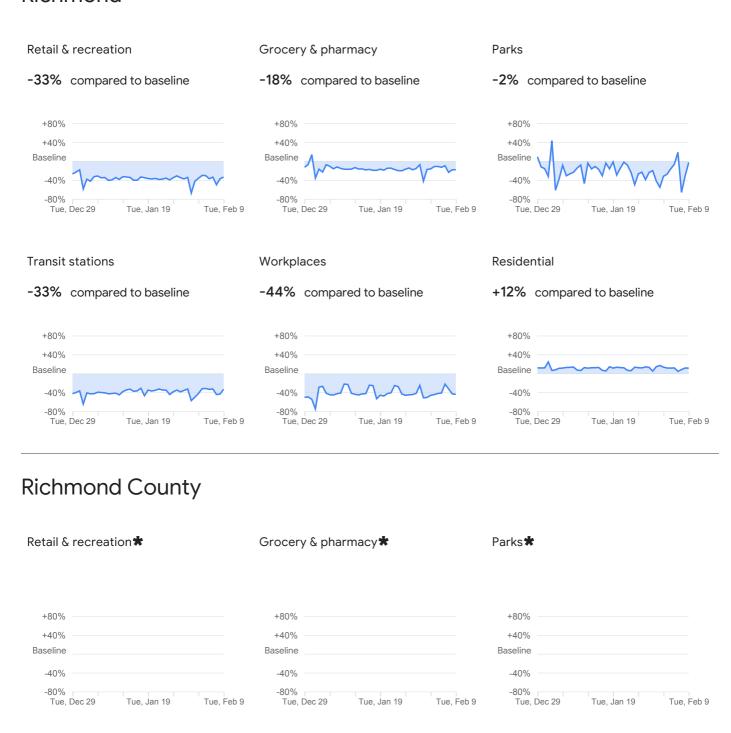
-40%

-80%

Tue, Dec 29

Tue, Jan 19

Baseline



Tue, Feb 9

Workplaces*

+80%

+40%

-40%

-80%

Tue, Dec 29

Baseline

-14% compared to baseline

Tue, Jan 19

Residential*

+80%

+40%

-80%

Tue, Feb 9

Tue, Dec 29

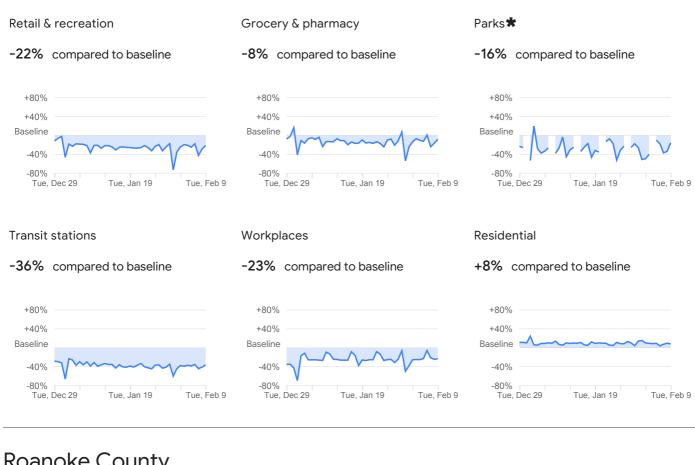
Tue, Jan 19

Tue, Feb 9

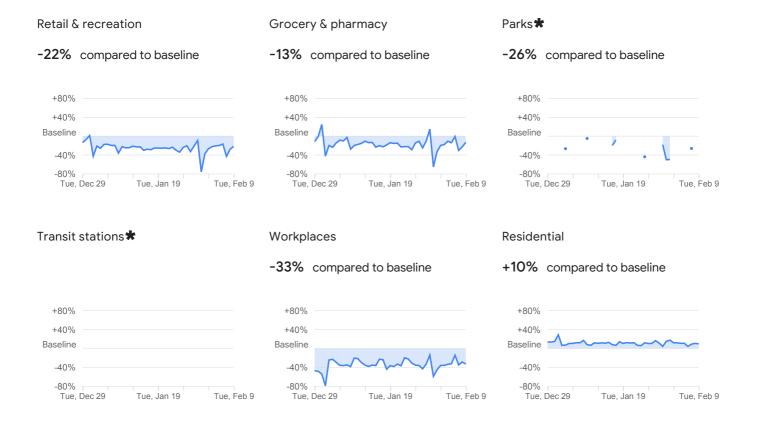
Baseline

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

Roanoke

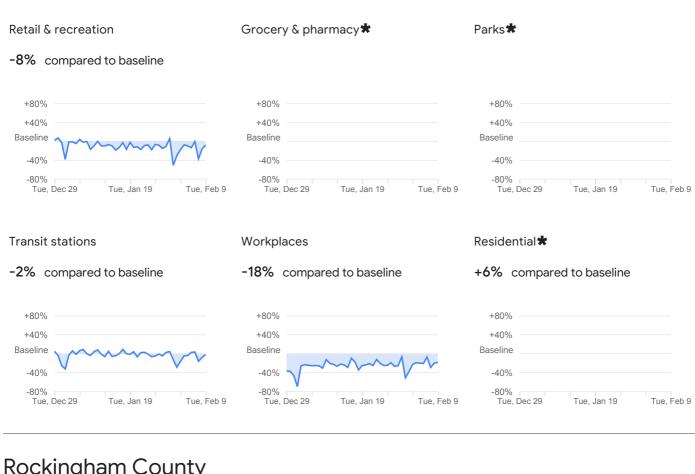


Roanoke County

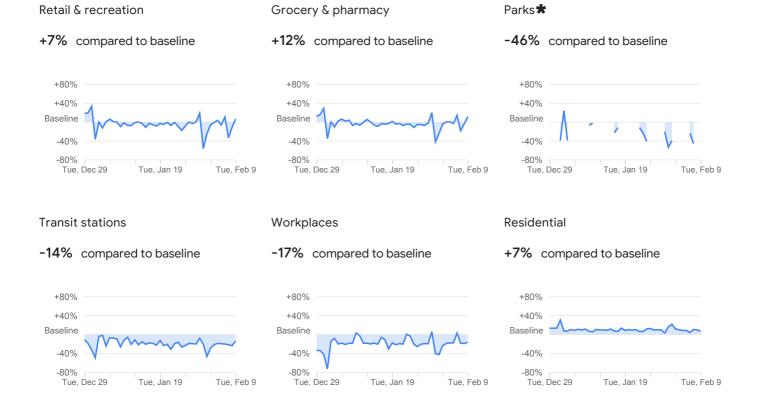


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Rockbridge County

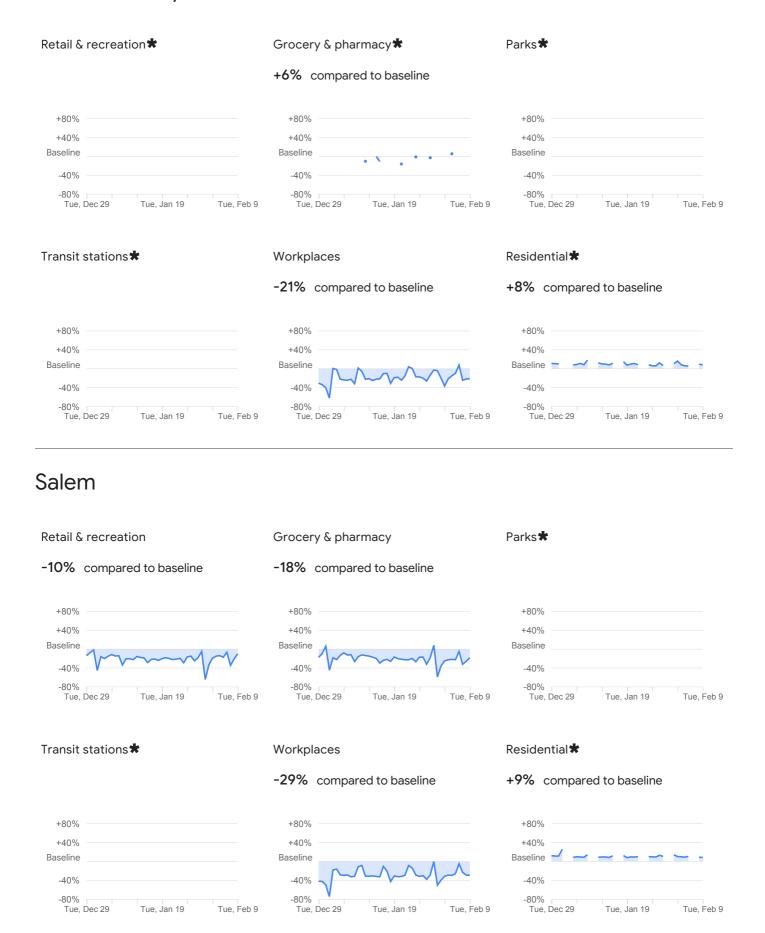


Rockingham County



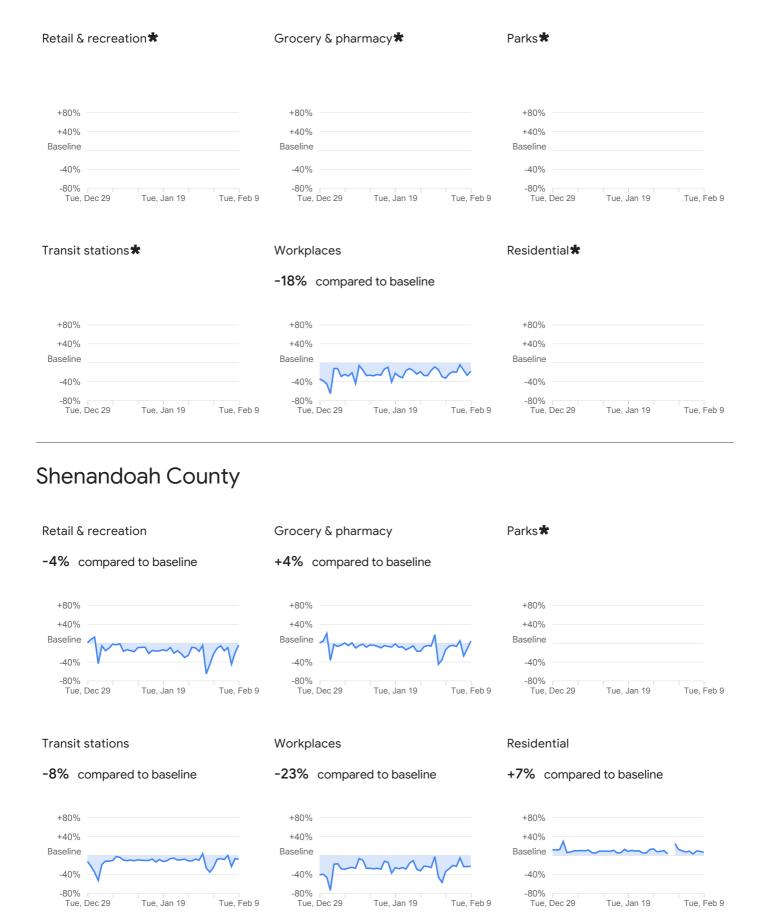
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Russell County



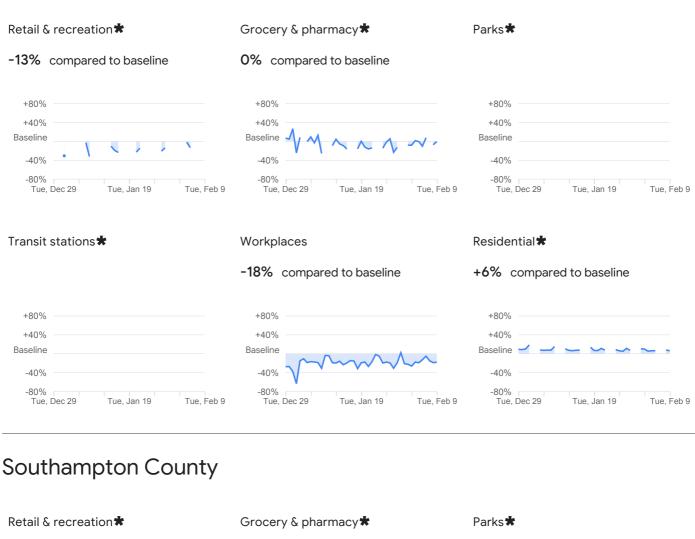
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

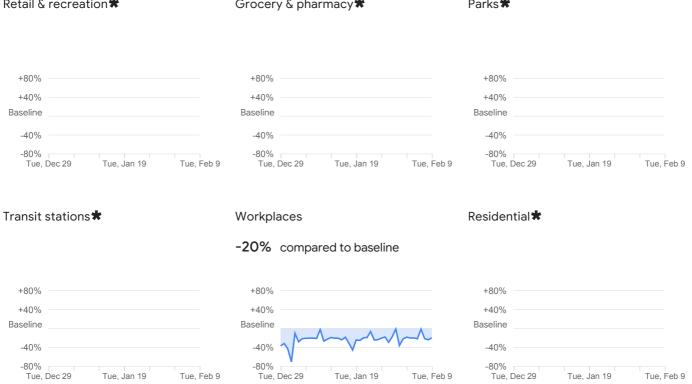
Scott County



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

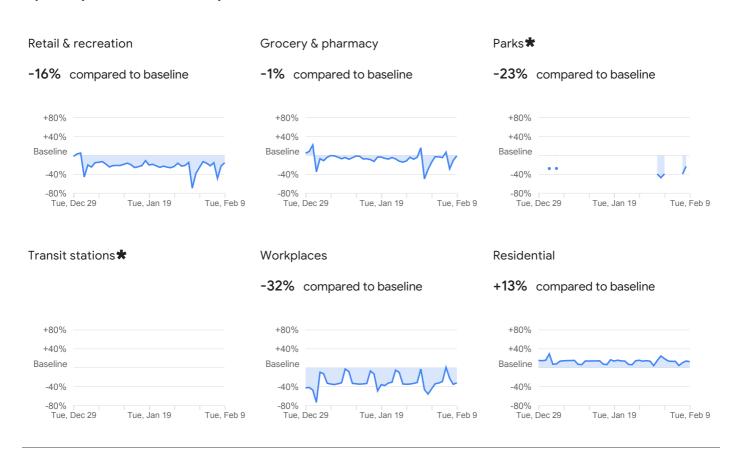
Smyth County



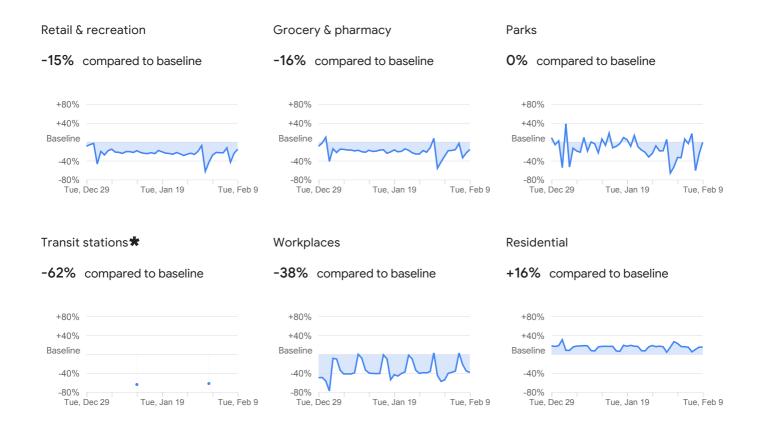


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Spotsylvania County

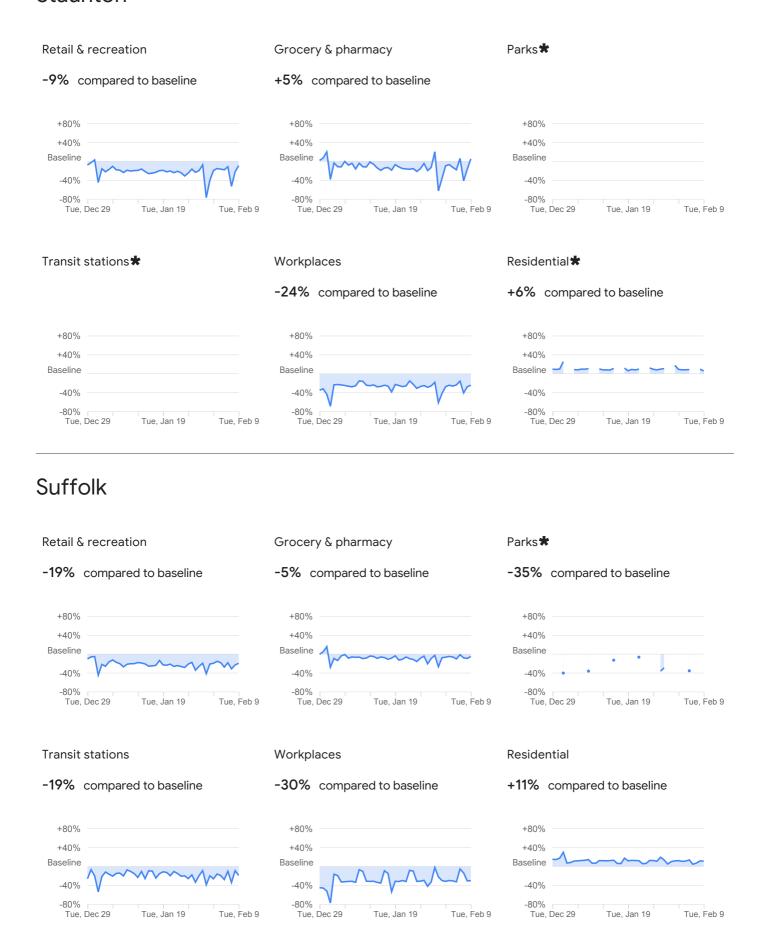


Stafford County



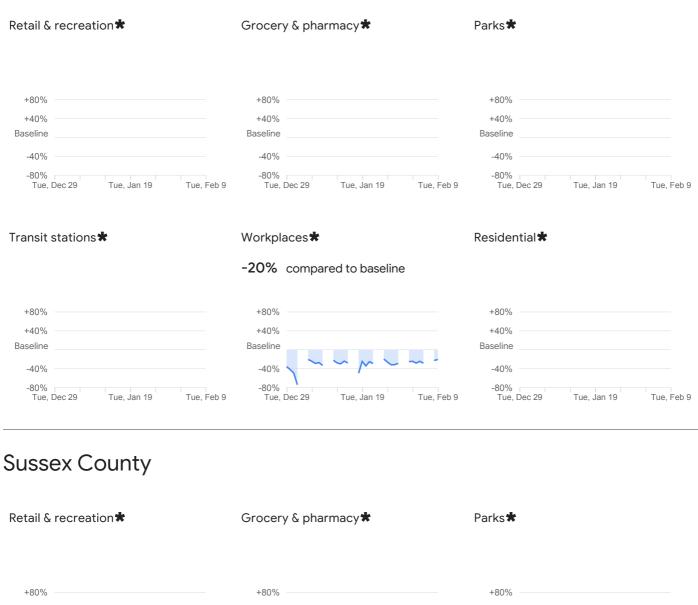
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

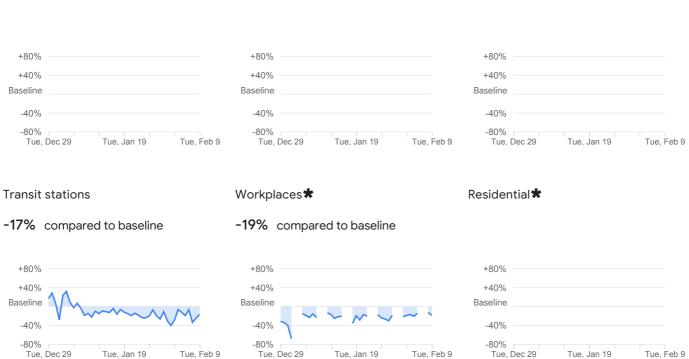
Staunton



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

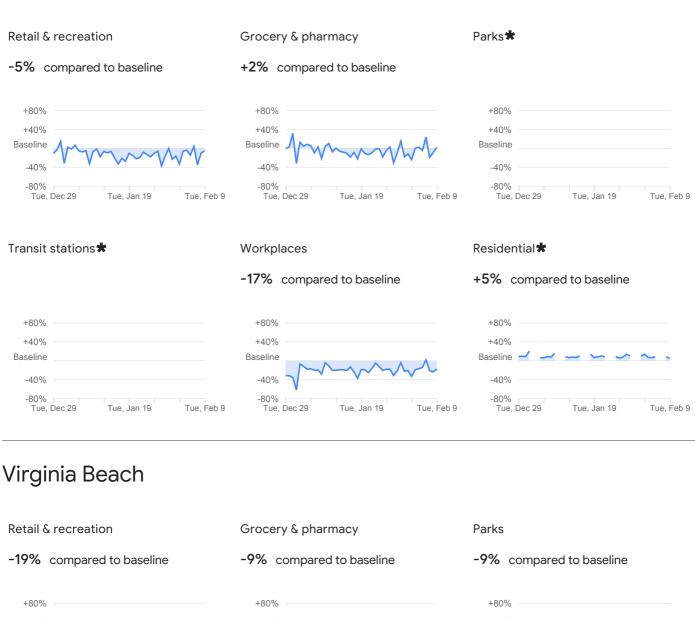
Surry County

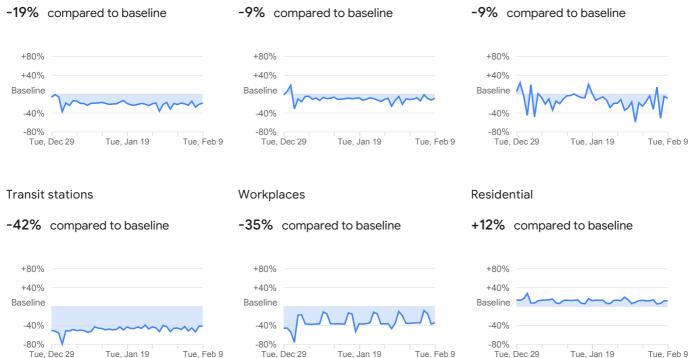




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

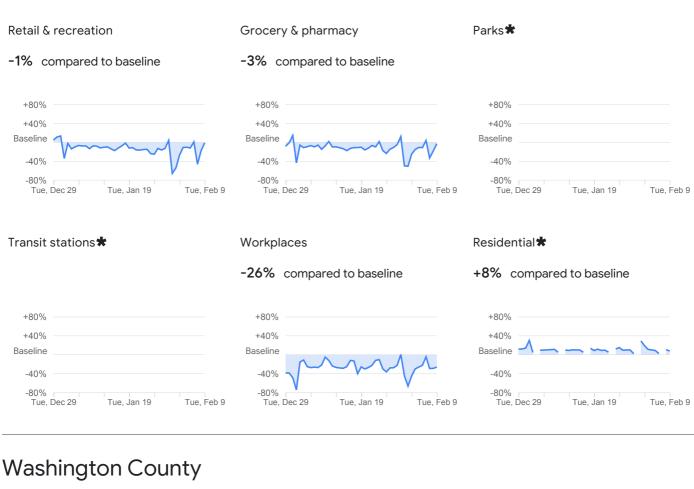
Tazewell County

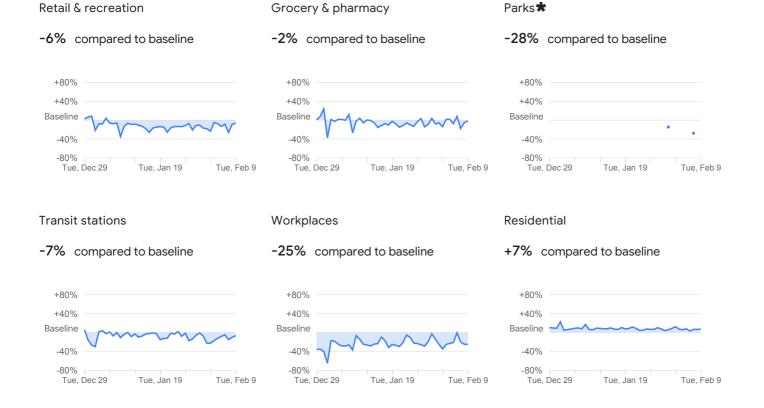




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

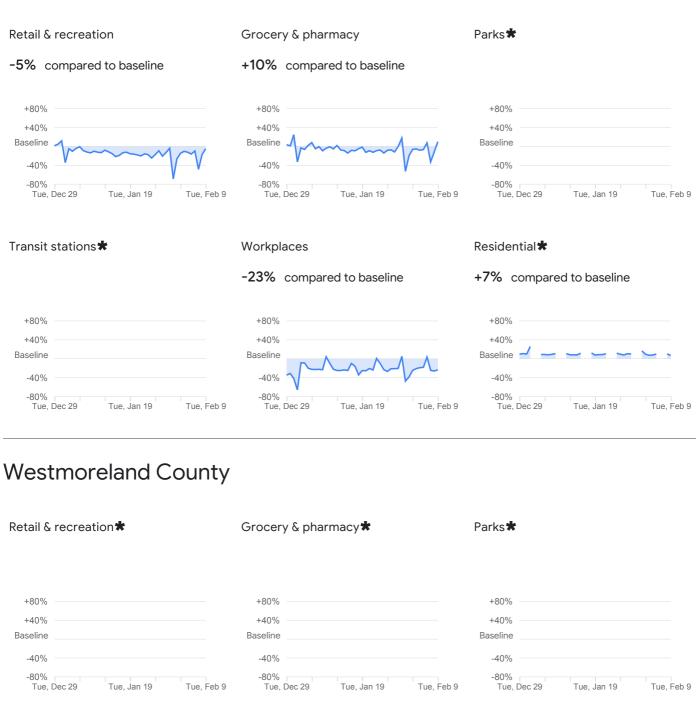
Warren County

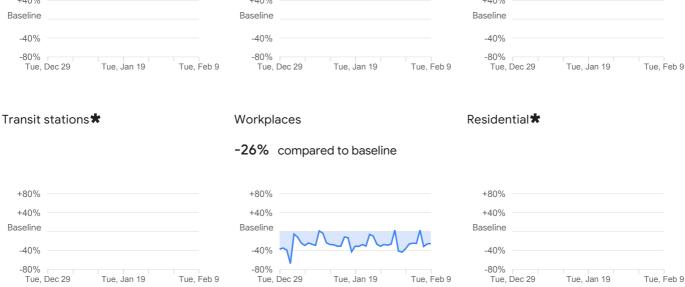




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

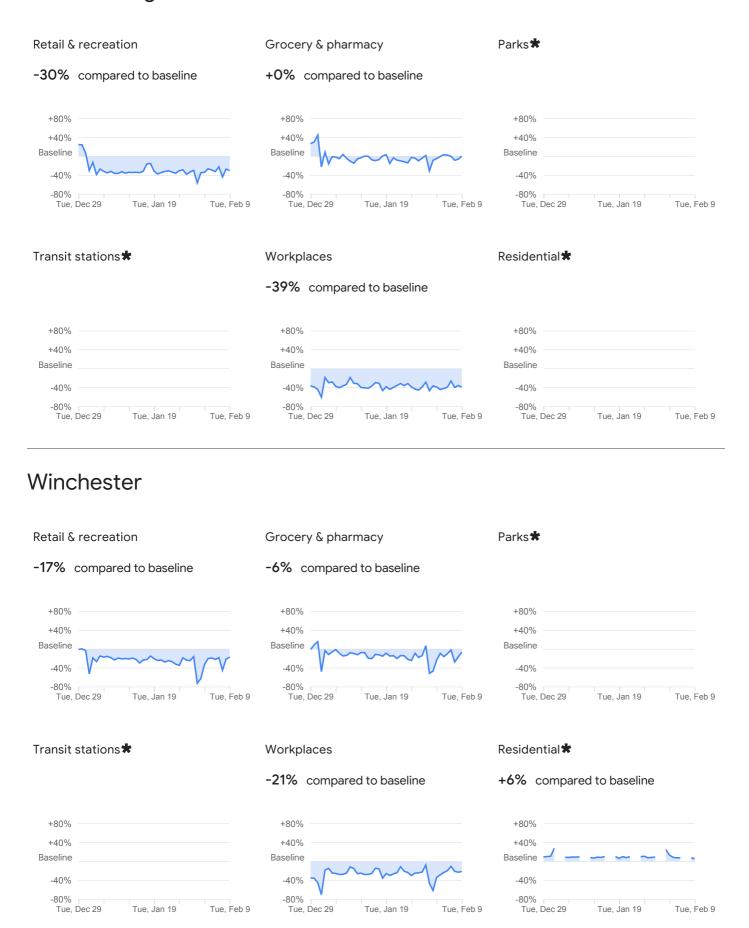
Waynesboro





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

Williamsburg



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

Wise County

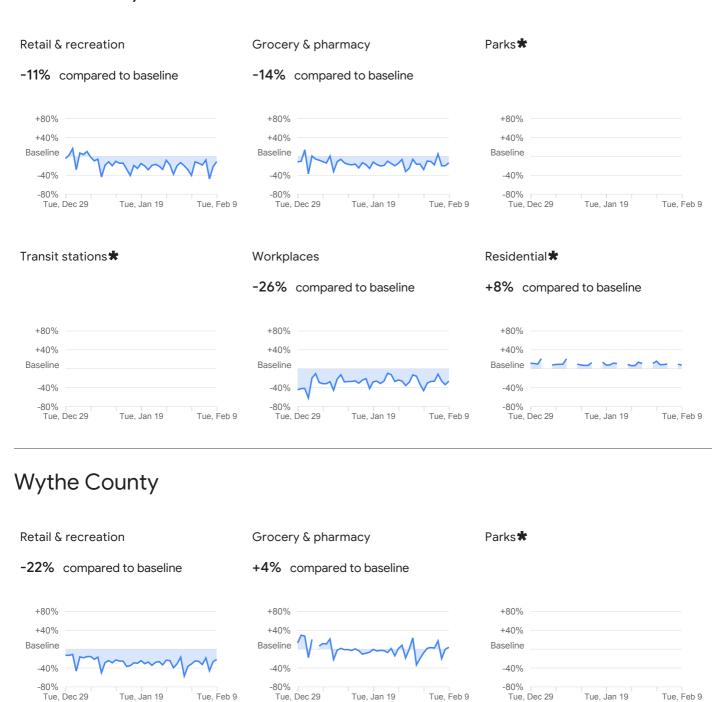
Transit stations

+80%

+40%

Baseline

-13% compared to baseline





-19% compared to baseline

Residential*

+80%

+40%

Baseline

+6% compared to baseline

Workplaces

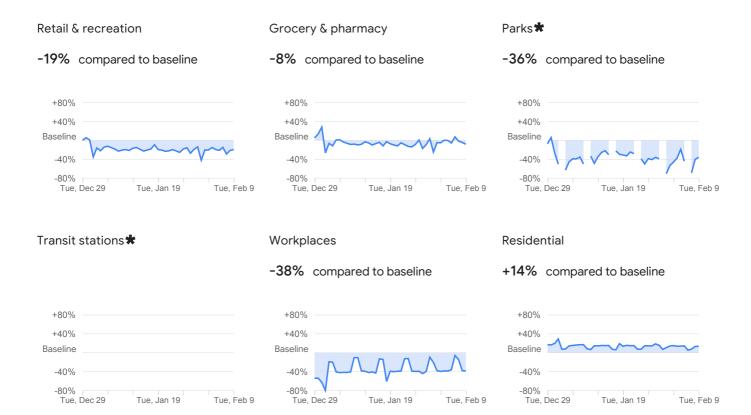
+80%

+40%

Baseline

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

York County



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

About this data

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

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

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

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

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

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

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

Preserving privacy

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

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

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

Further resources

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

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