

Virginia December 25, 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.

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.

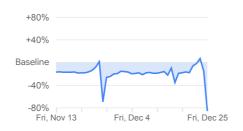
Location accuracy and the understanding of categorized places varies from region to region, so we don't recommend using this data to compare changes between countries, or between regions with different characteristics (e.g. rural versus urban areas).

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

-85%

compared to baseline

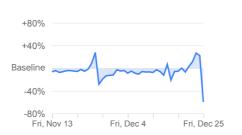


Mobility trends for places like restaurants, cafes, shopping centers, theme parks, museums, libraries, and movie theaters.

Grocery & pharmacy

-59%

compared to baseline

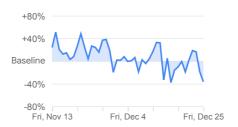


Mobility trends for places like grocery markets, food warehouses, farmers markets, specialty food shops, drug stores, and pharmacies.

Parks

-36%

compared to baseline



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

Transit stations

-69%

compared to baseline



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

Workplaces

-85%

compared to baseline

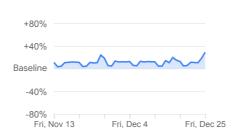


Mobility trends for places of work.

Residential

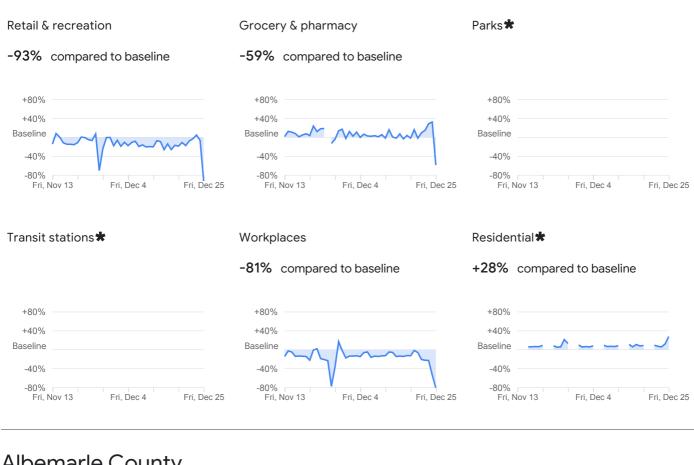
+29%

compared to baseline

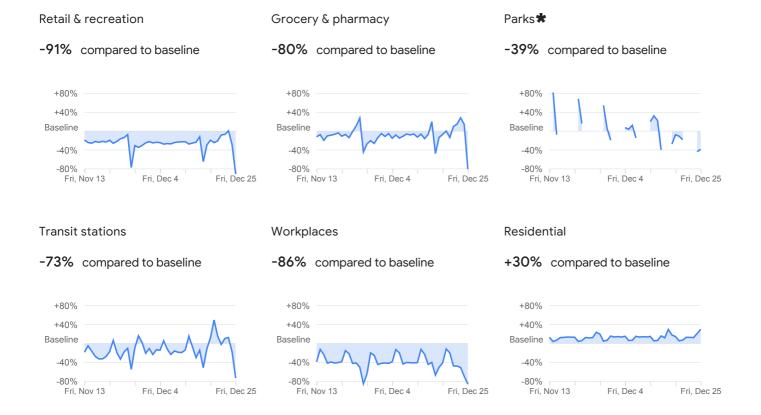


Mobility trends for places of residence.

Accomack County

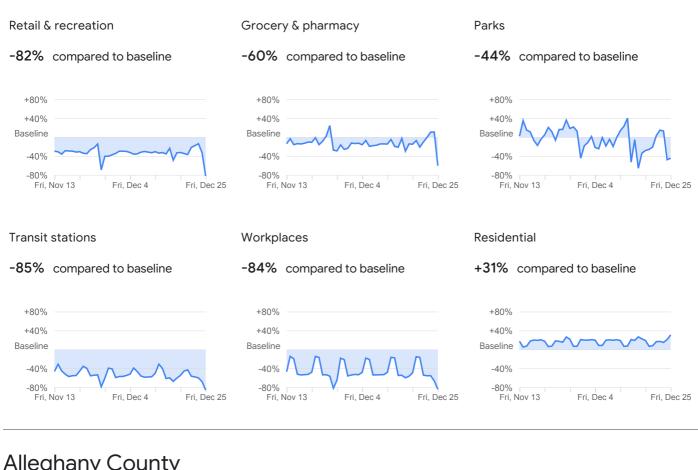


Albemarle County

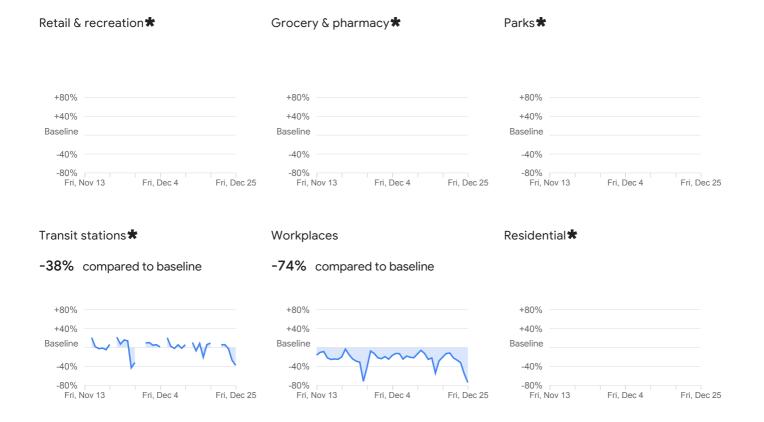


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Alexandria

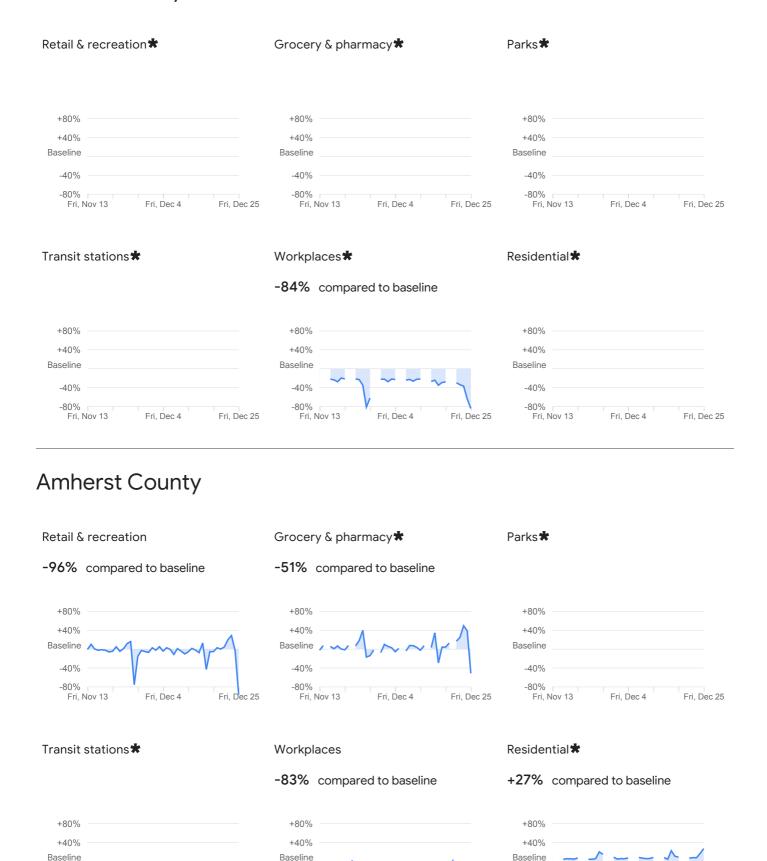


Alleghany County



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

Amelia County



-40%

-80%

Fri. Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Fri, Dec 25

-40%

-80%

Fri, Nov 13

Fri, Dec 4

-40%

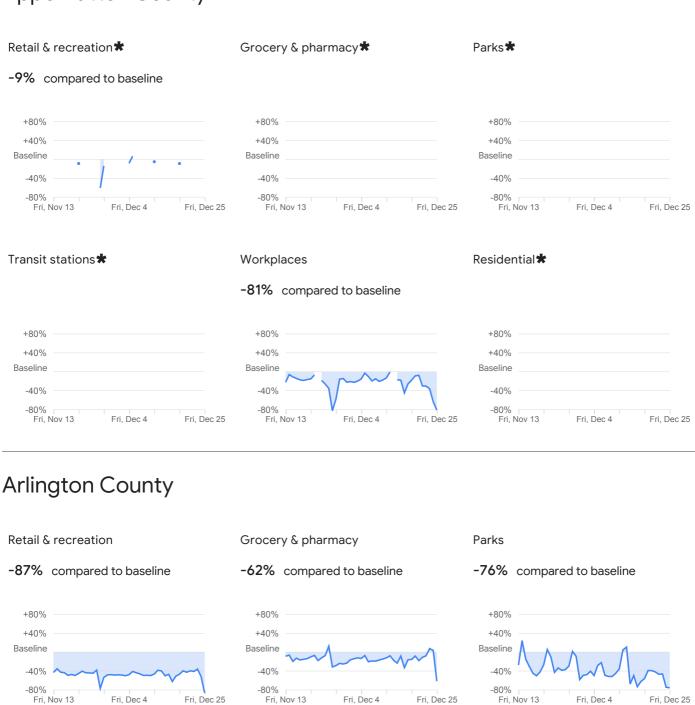
-80%

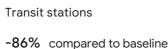
Fri, Nov 13

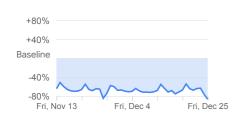
Fri, Dec 4

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Appomattox County



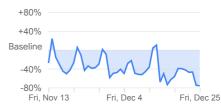




Workplaces

-86% compared to baseline





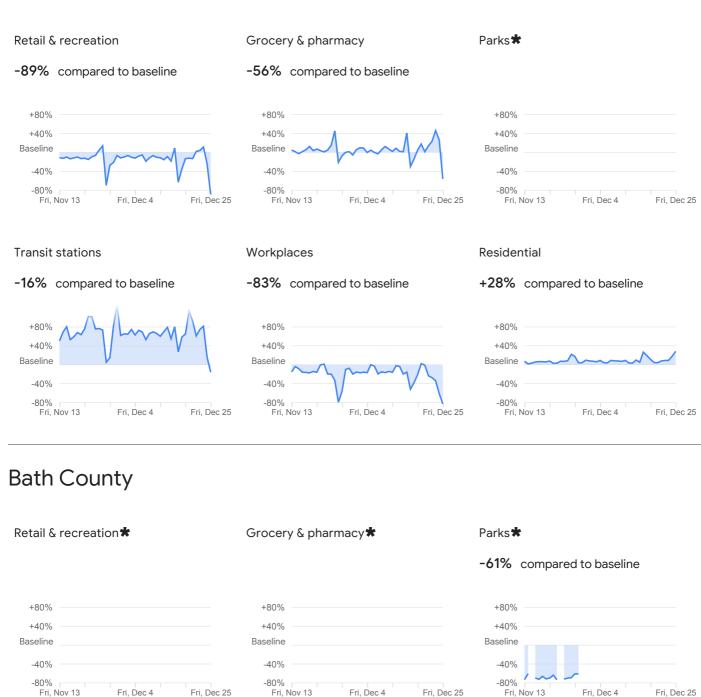
Residential

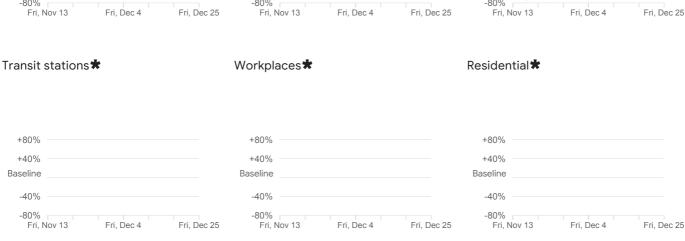
+33% compared to baseline



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

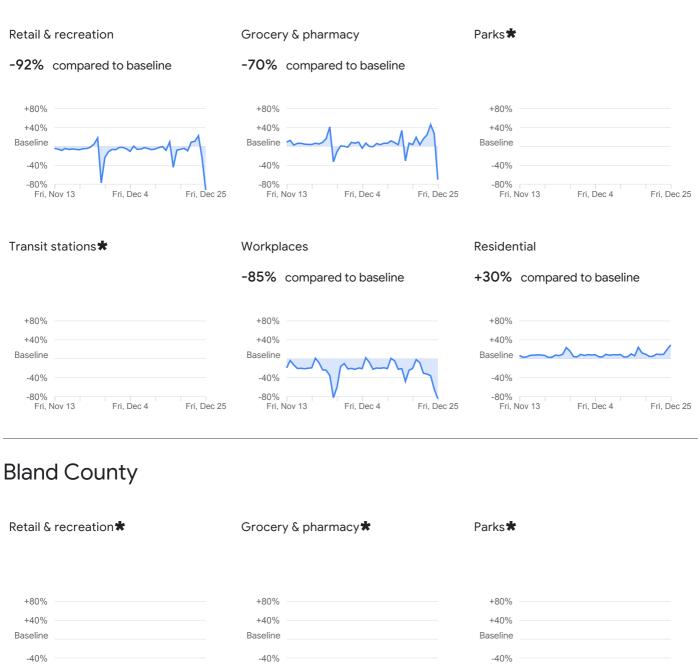
Augusta County

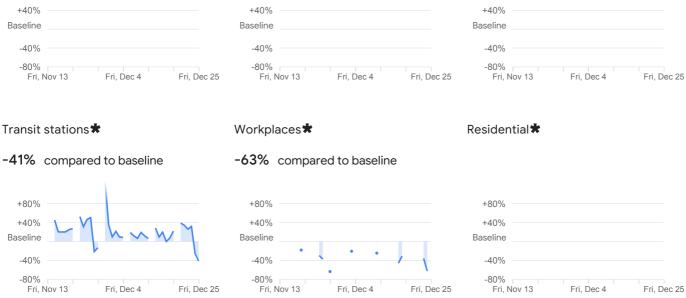




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

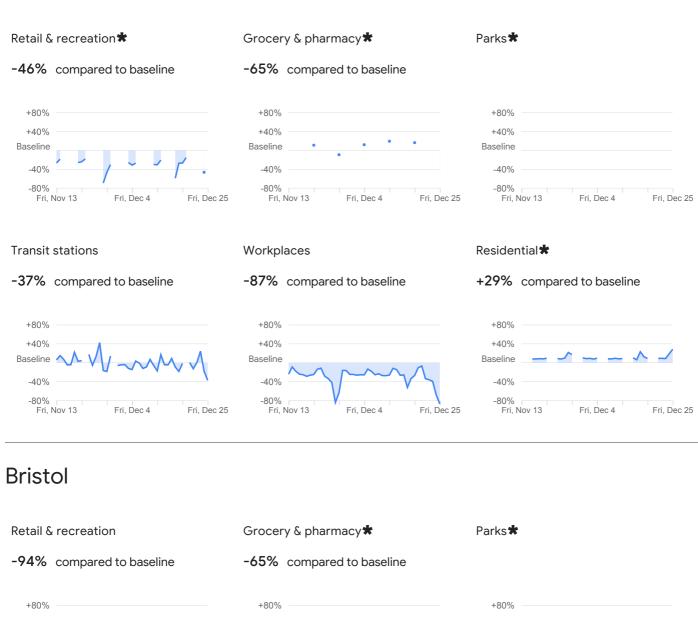
Bedford County

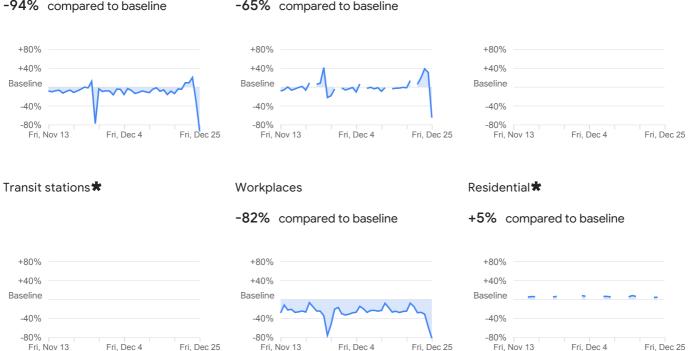




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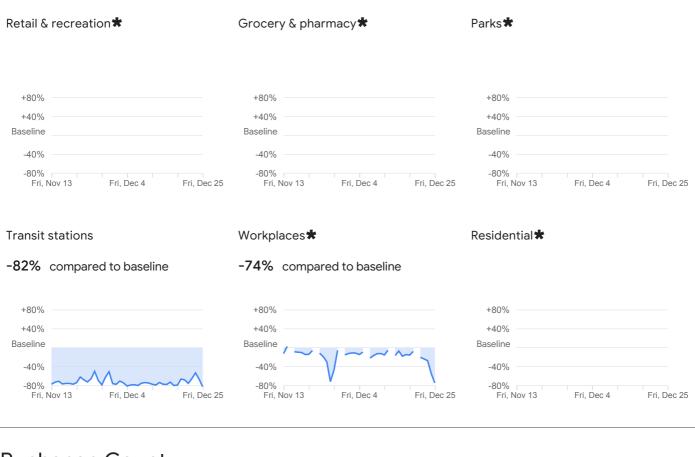
Botetourt County



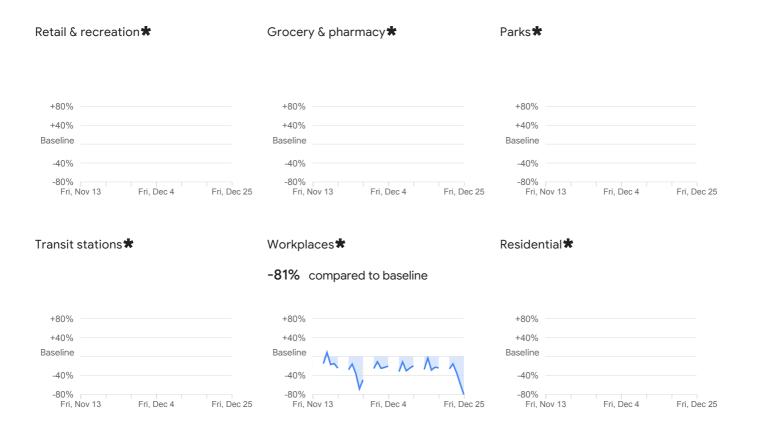


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Brunswick County

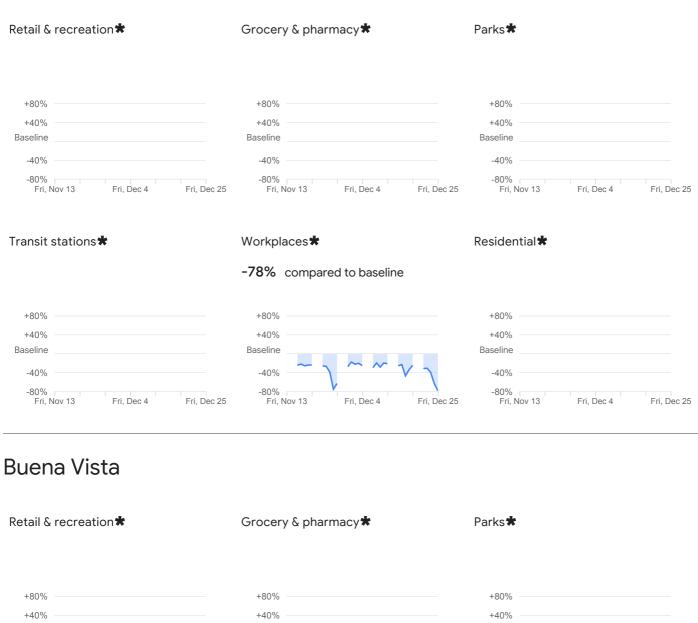


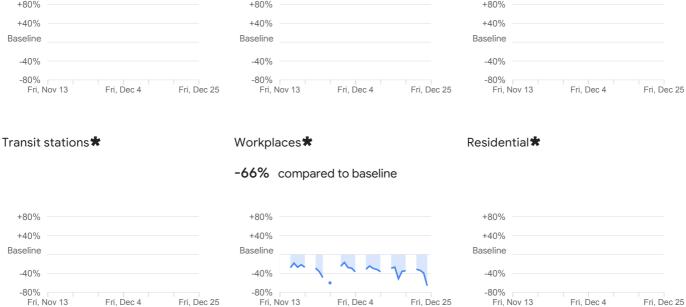
Buchanan County



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

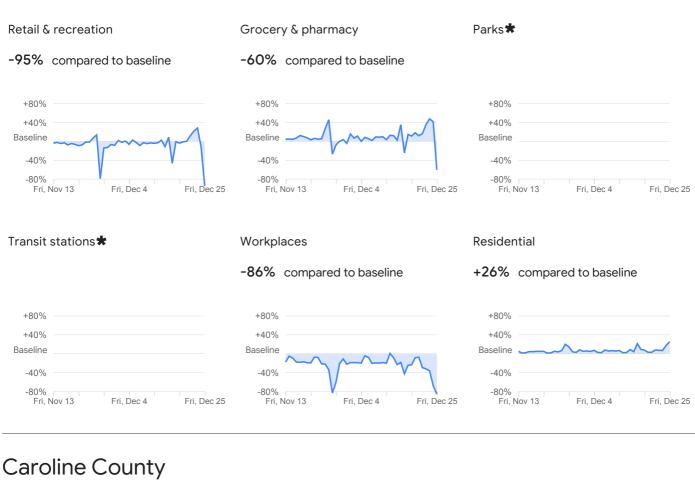
Buckingham County

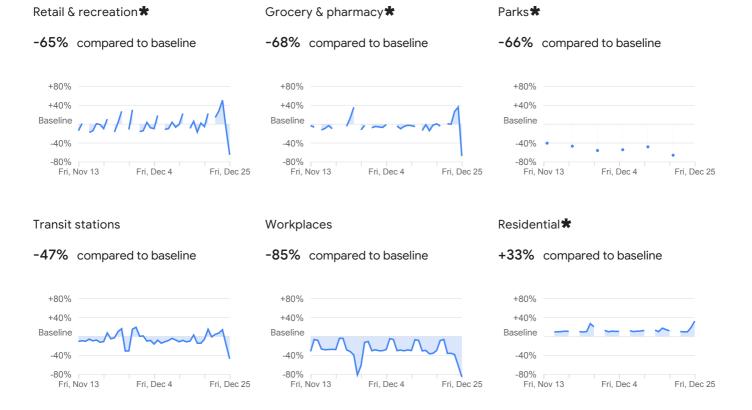




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

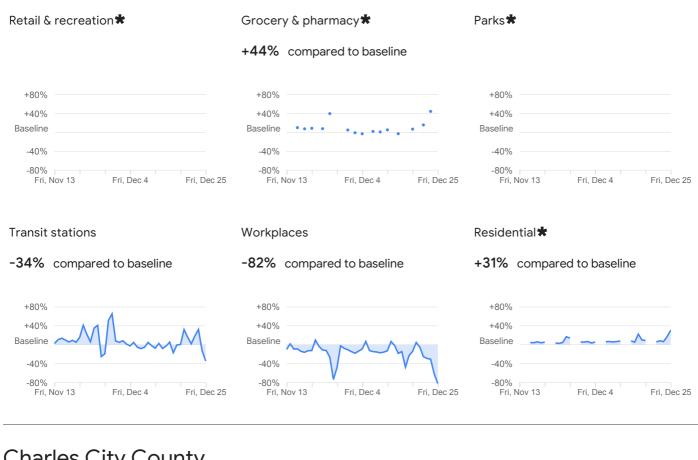
Campbell County



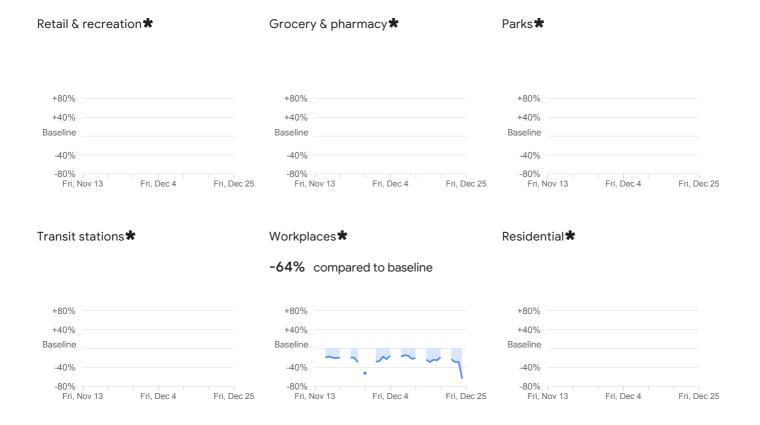


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Carroll County

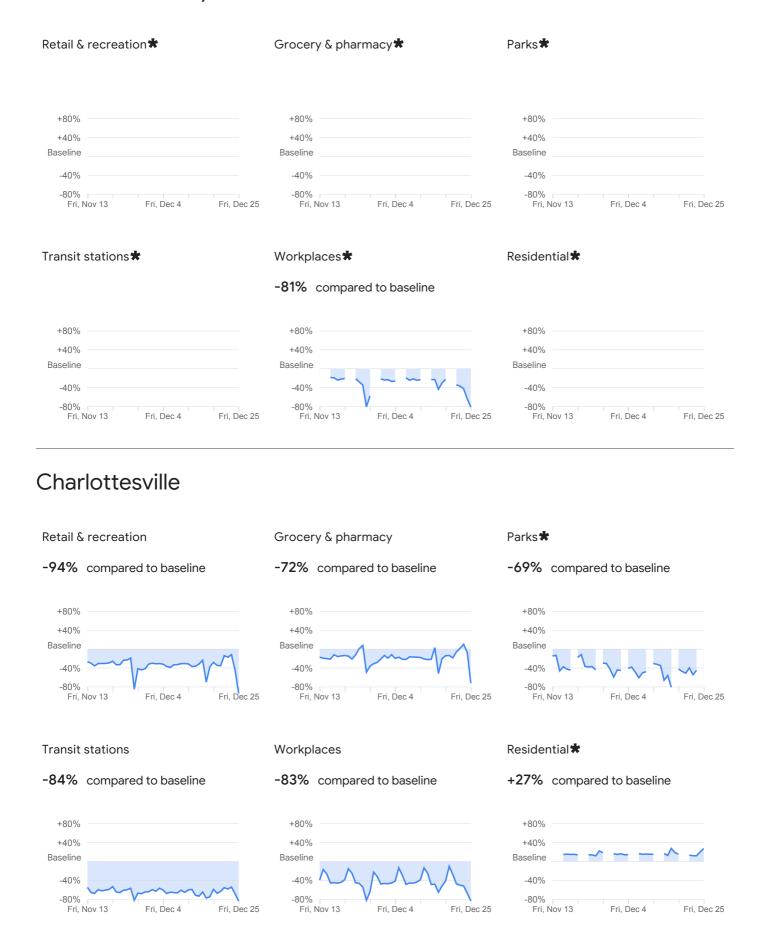


Charles City County



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

Charlotte County



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

Chesapeake

Retail & recreation

-89% compared to baseline



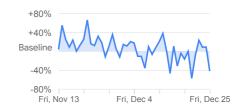
Grocery & pharmacy

-58% compared to baseline



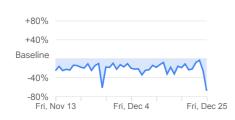
Parks

-42% compared to baseline



Transit stations

-68% compared to baseline



Workplaces

-86% compared to baseline



Residential

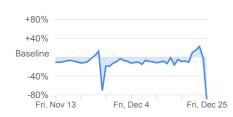
+30% compared to baseline



Chesterfield County

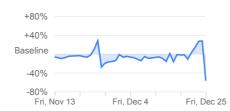
Retail & recreation

-89% compared to baseline



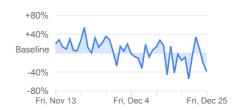
Grocery & pharmacy

-56% compared to baseline



Parks

-39% compared to baseline



Transit stations

-71% compared to baseline



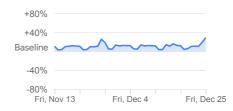
Workplaces

-86% compared to baseline

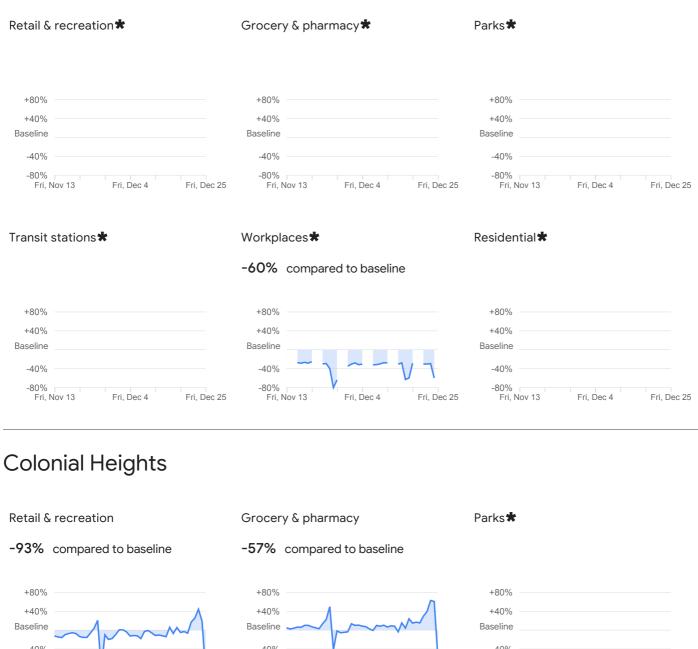


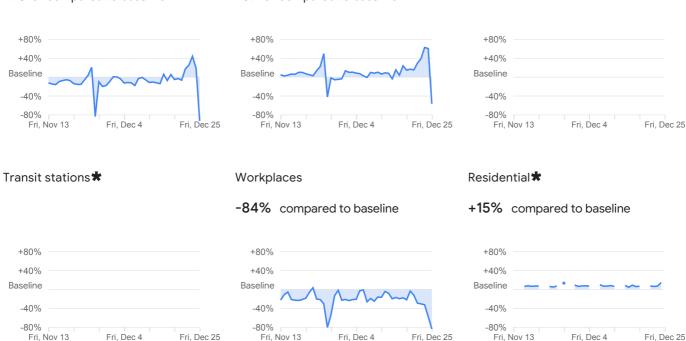
Residential

+29% compared to baseline



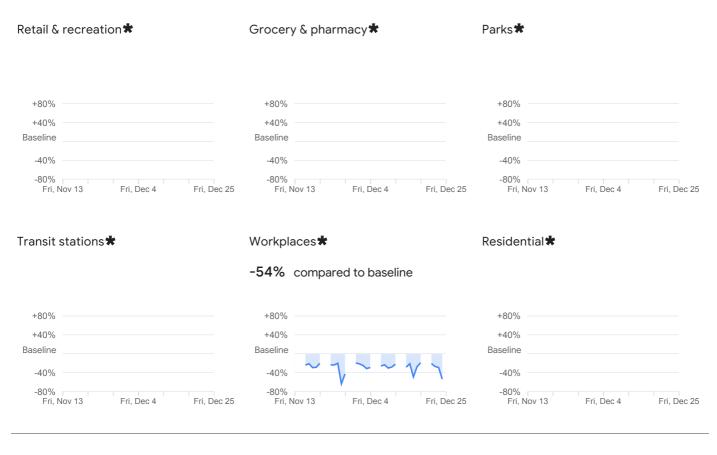
Clarke County



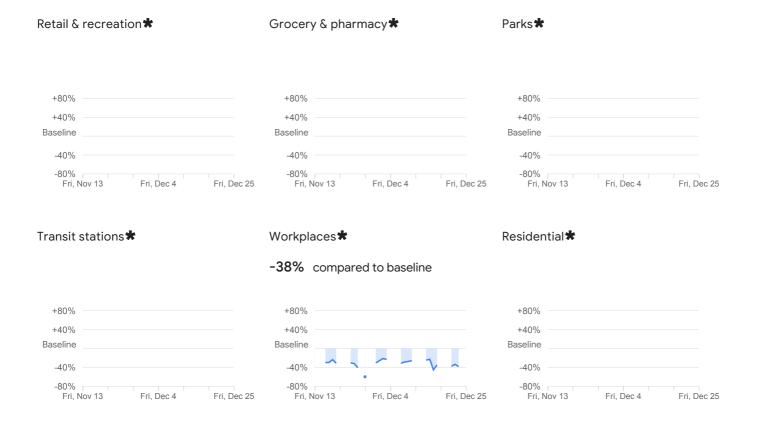


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Covington

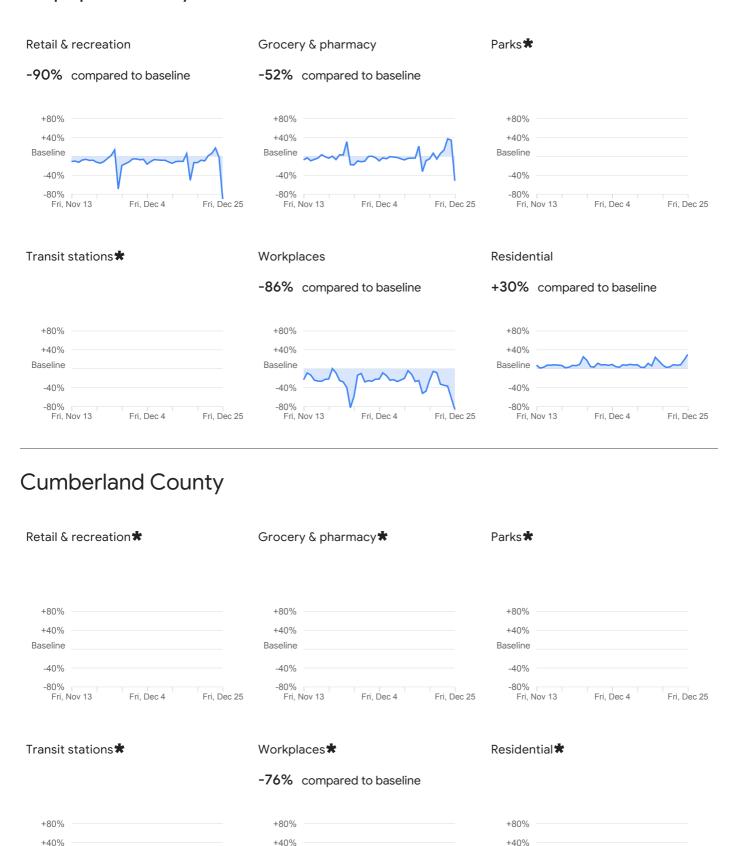


Craig County



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Culpeper County



Baseline -40%

-80%

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Fri. Dec 4

Fri, Dec 25

Baseline

-40%

-80%

Fri, Nov 13

Baseline

-40%

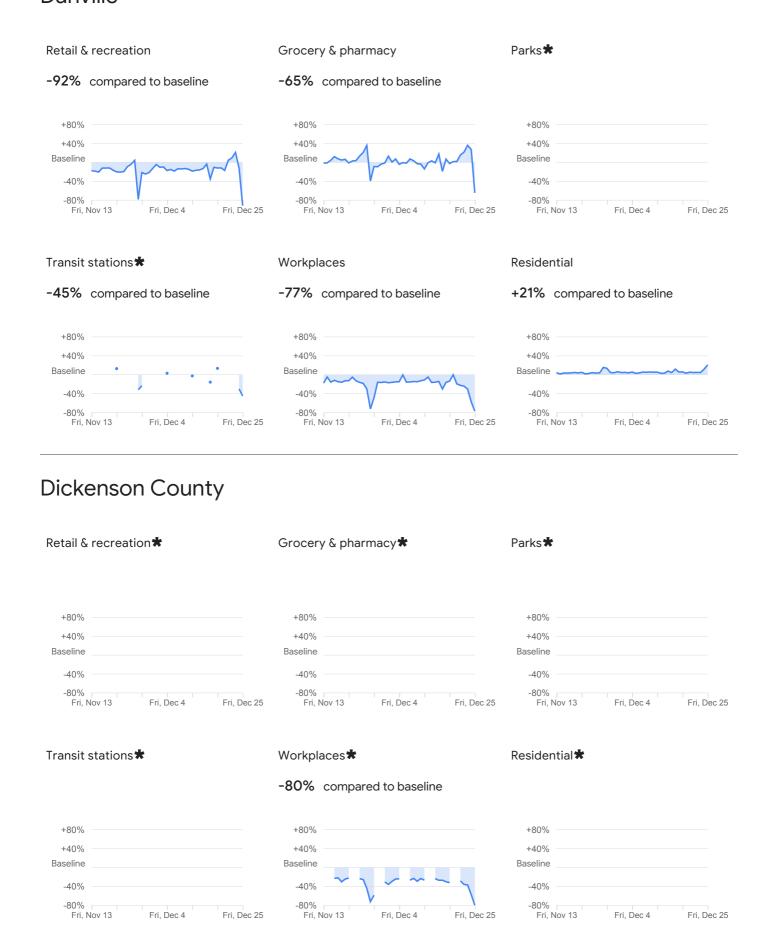
-80%

Fri, Nov 13

Fri, Dec 4

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

Danville



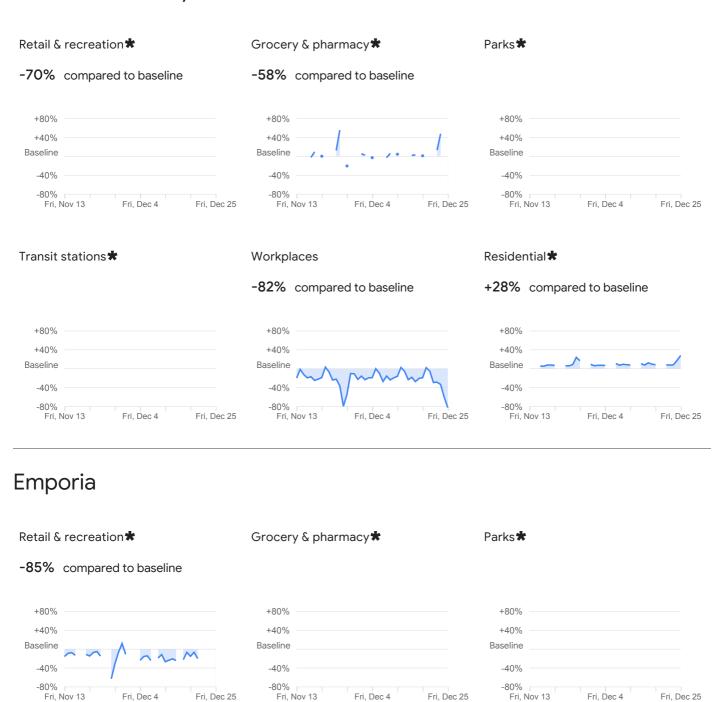
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Dinwiddie County

Transit stations*

+80%

-6% compared to baseline





-40% compared to baseline

Residential*

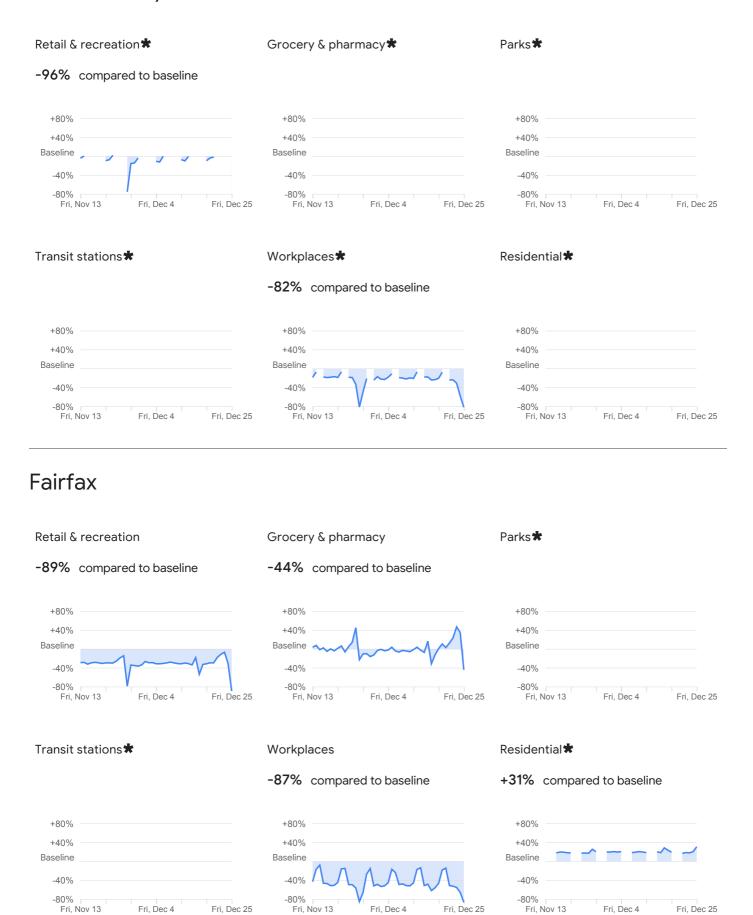
+80%

Workplaces*

+80%

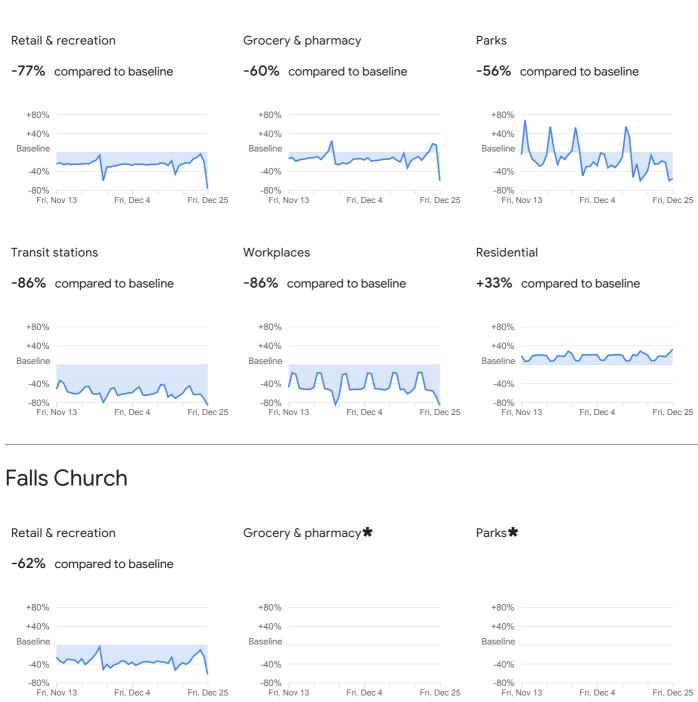
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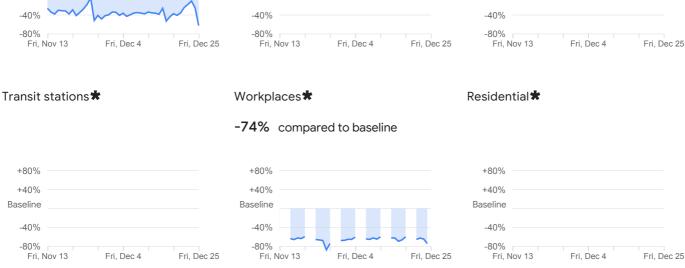
Essex County



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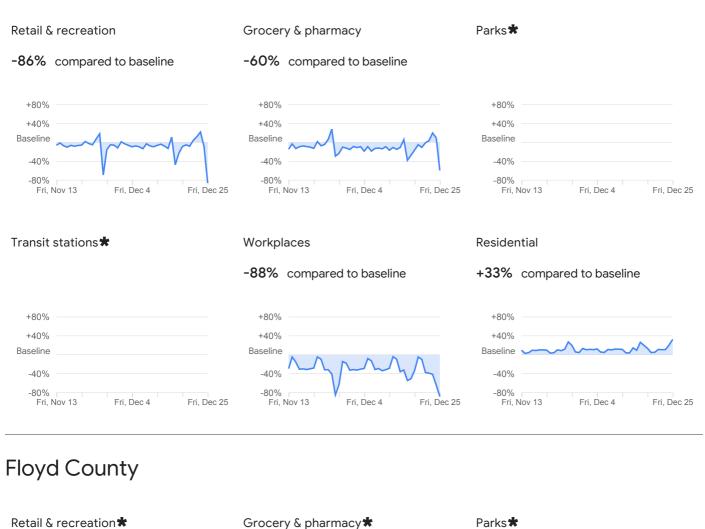
Fairfax County

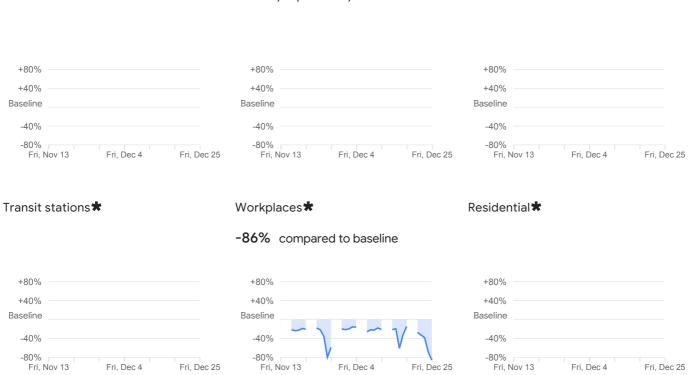




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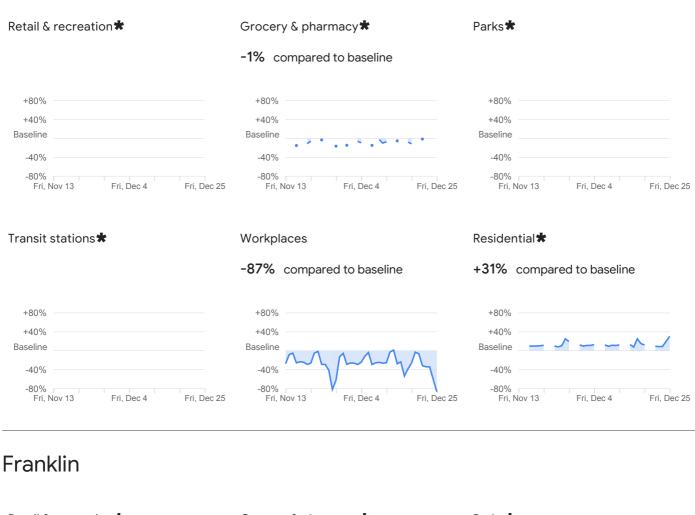
Fauquier County

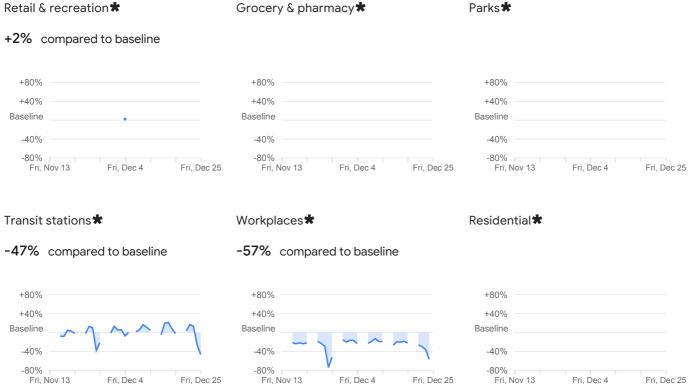




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

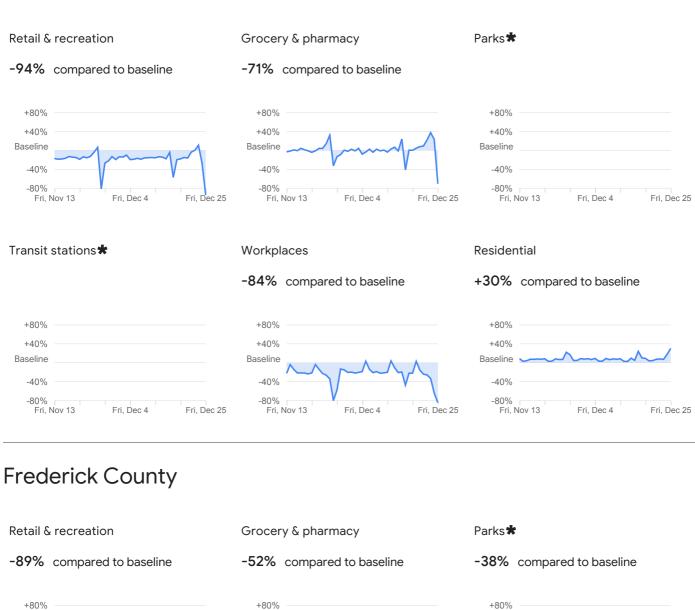
Fluvanna County

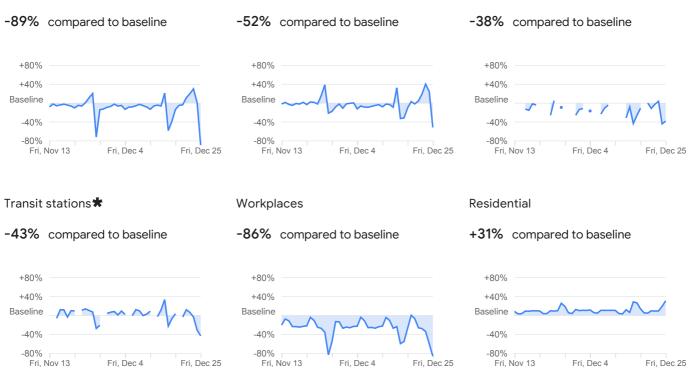




^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Franklin County





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

Fredericksburg

Transit stations*

+80%

+40%

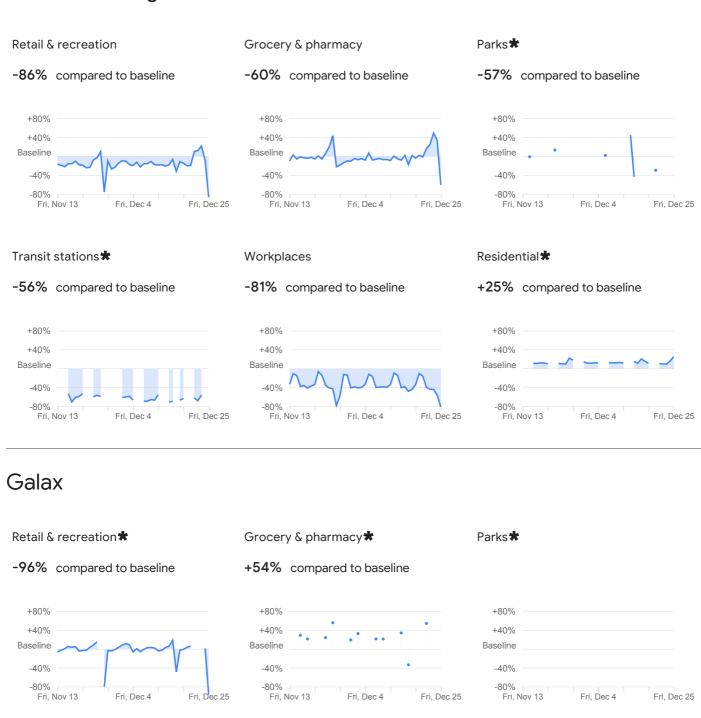
-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline



Fri, Dec 25

Workplaces*

+80%

+40%

-40%

-80%

Fri, Nov 13

Baseline

-63% compared to baseline

Fri, Dec 4

Residential*

+80%

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Baseline

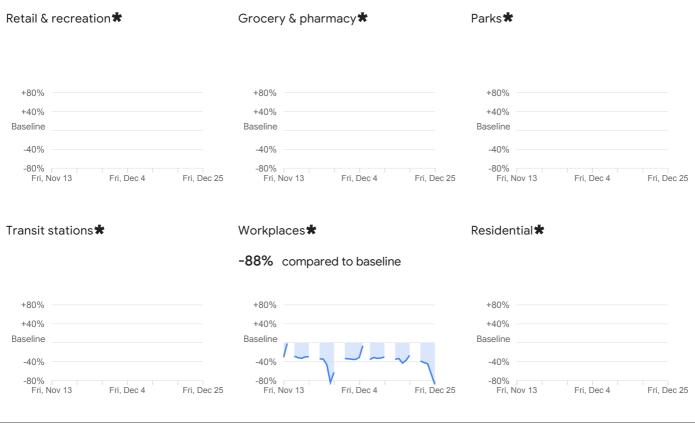
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Giles County

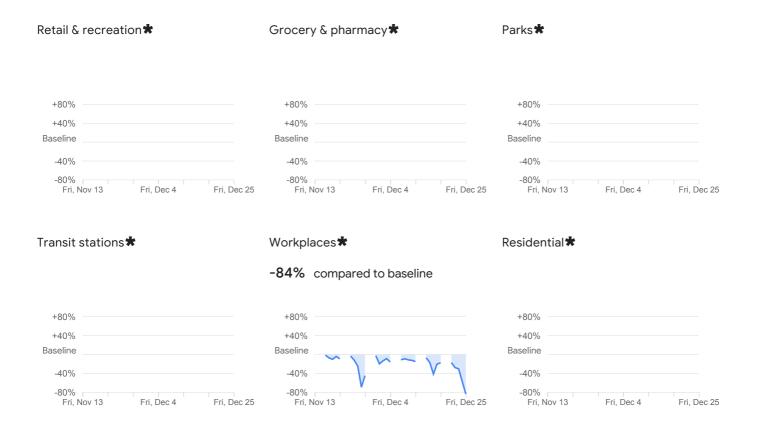


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Goochland County

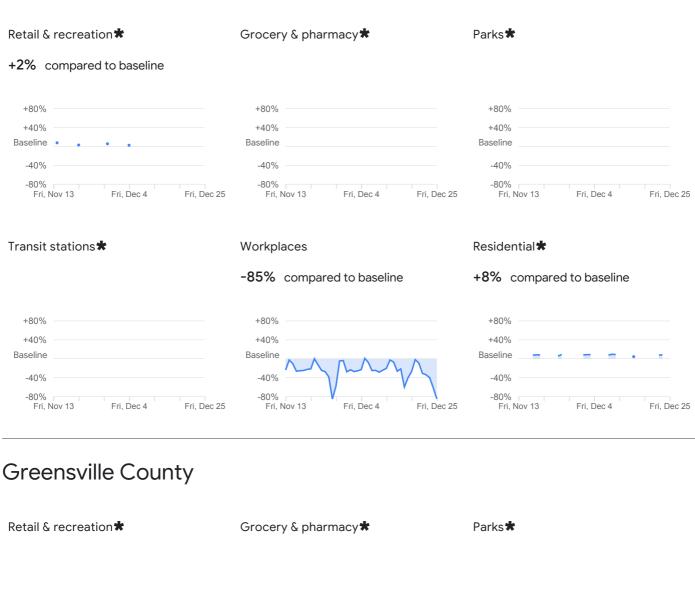


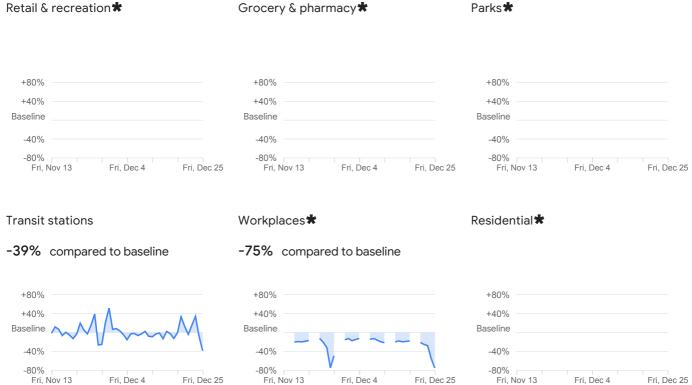
Grayson County



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

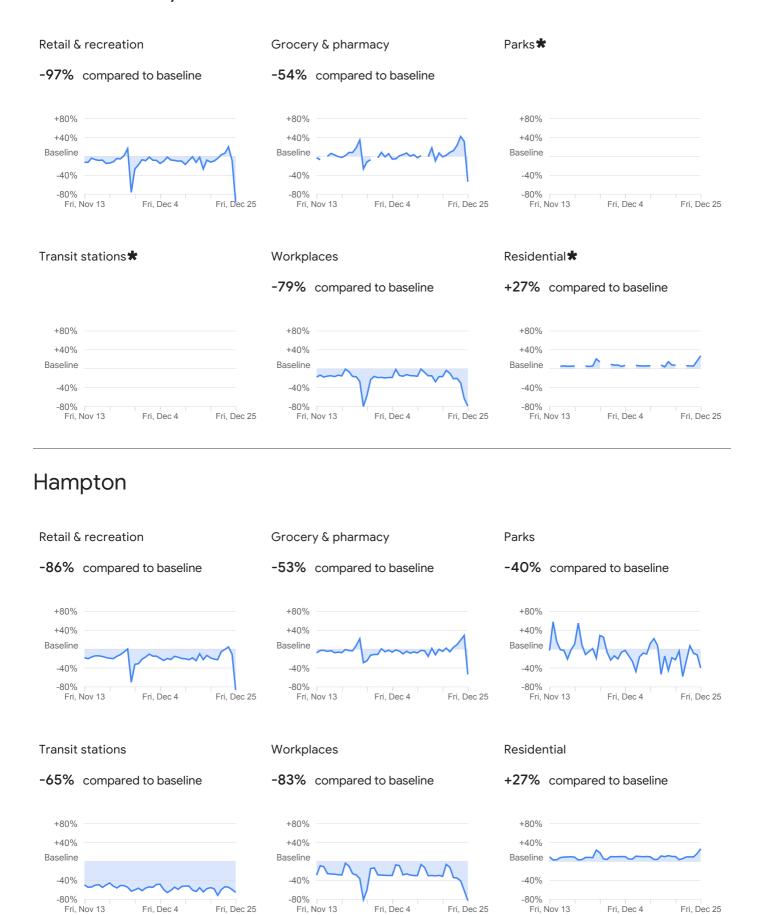
Greene County





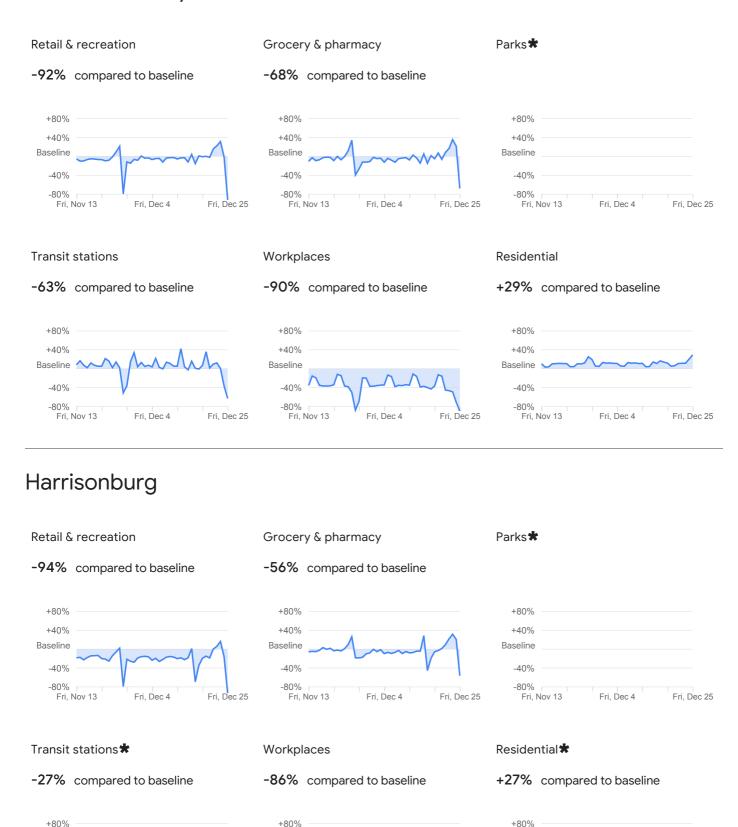
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Halifax County



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

Hanover County



Fri, Dec 25

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline

+40% Baseline

-40%

-80%

Fri. Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

+40%

-40% -80%

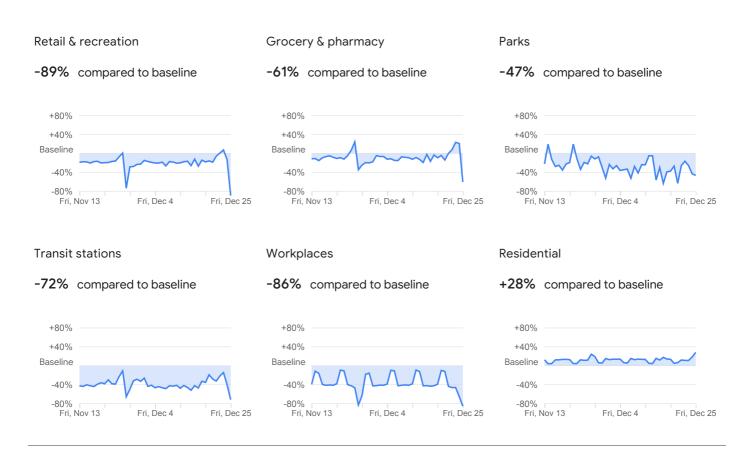
Fri. Nov 13

Fri. Dec 4

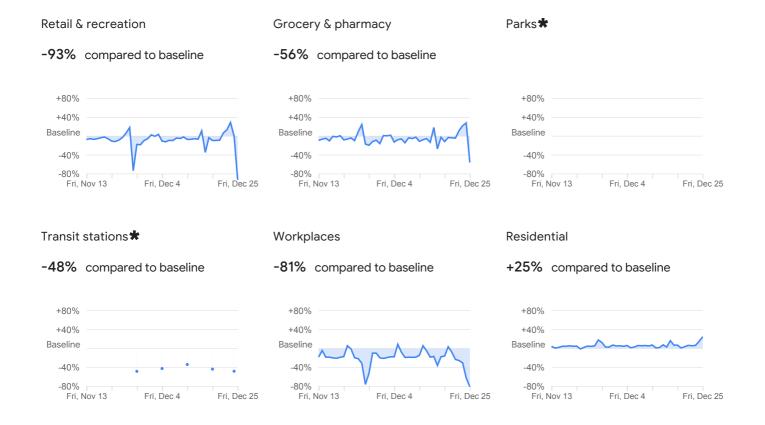
Baseline

^{*} 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

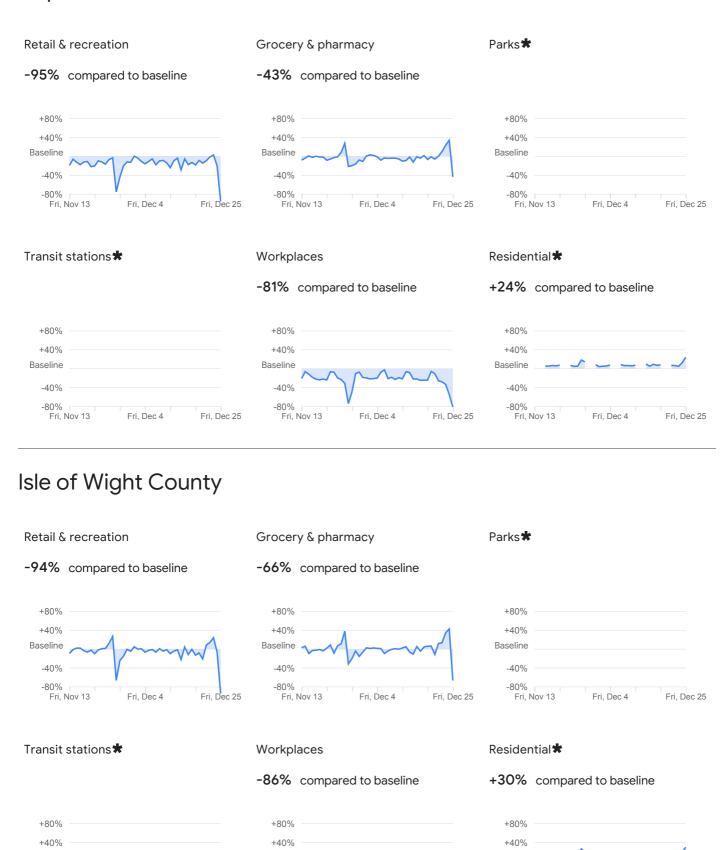
Baseline

-40%

-80%

Fri, Nov 13

Fri, Dec 4



Baseline

-40%

-80%

Fri. Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Fri, Dec 25

Baseline

-40%

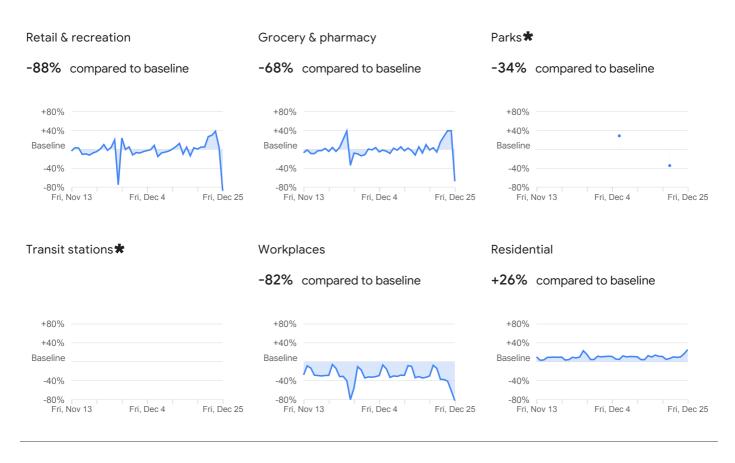
-80%

Fri. Nov 13

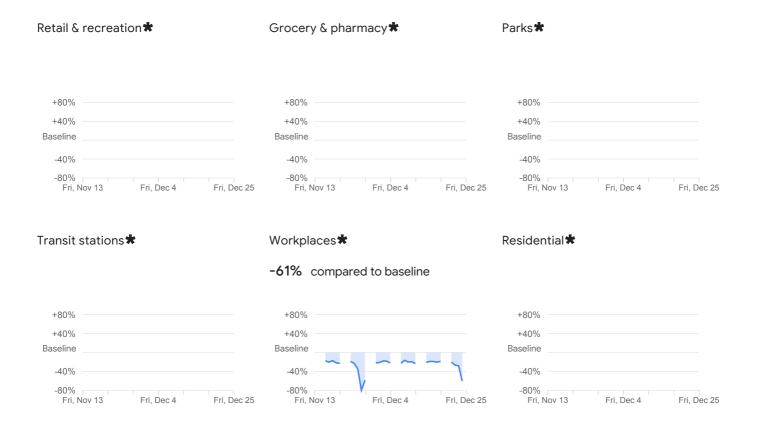
Fri, Dec 4

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

James City County

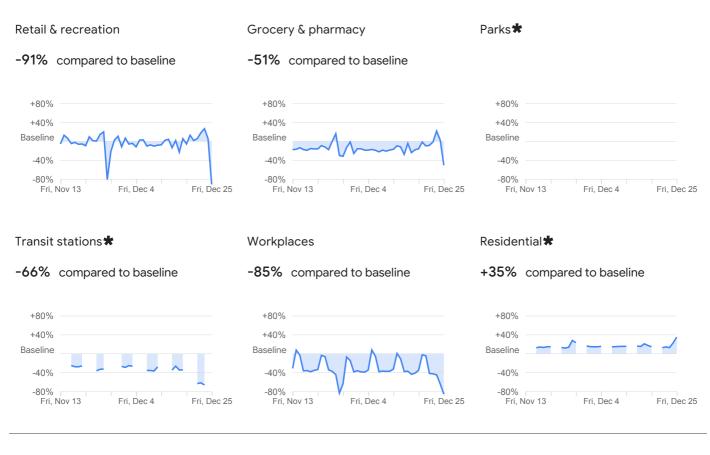


King and Queen County

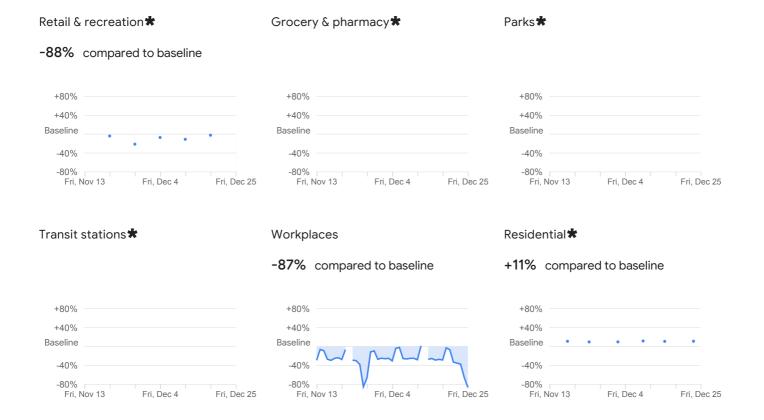


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King George County

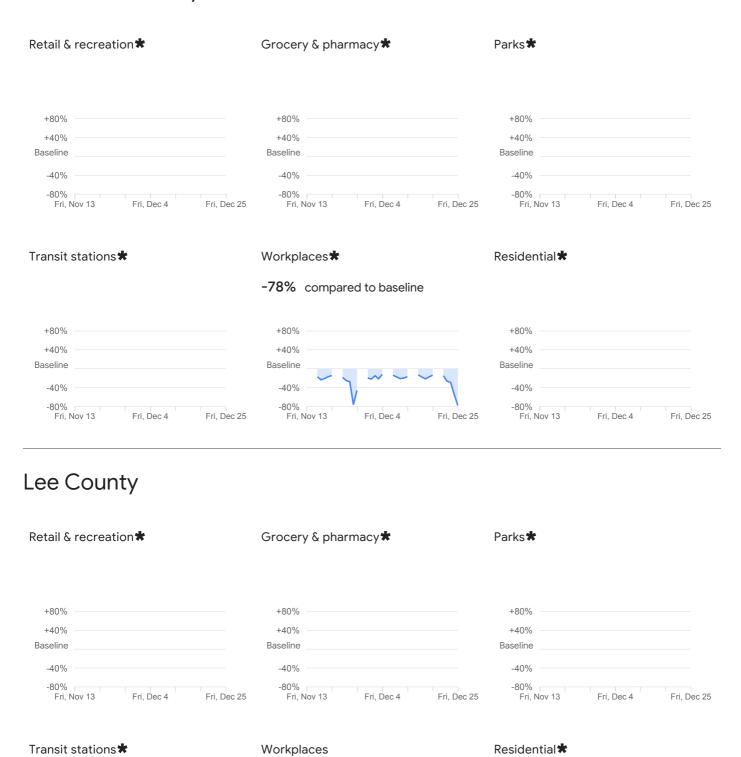


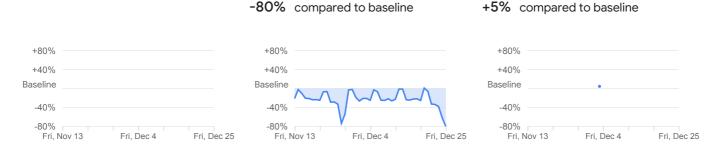
King William County



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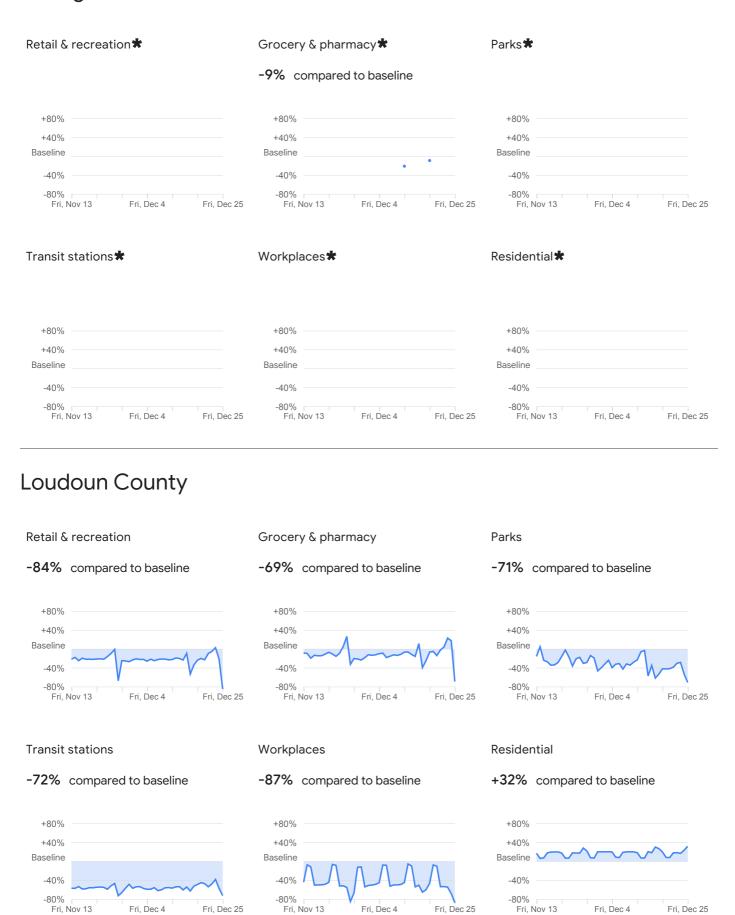
Lancaster County





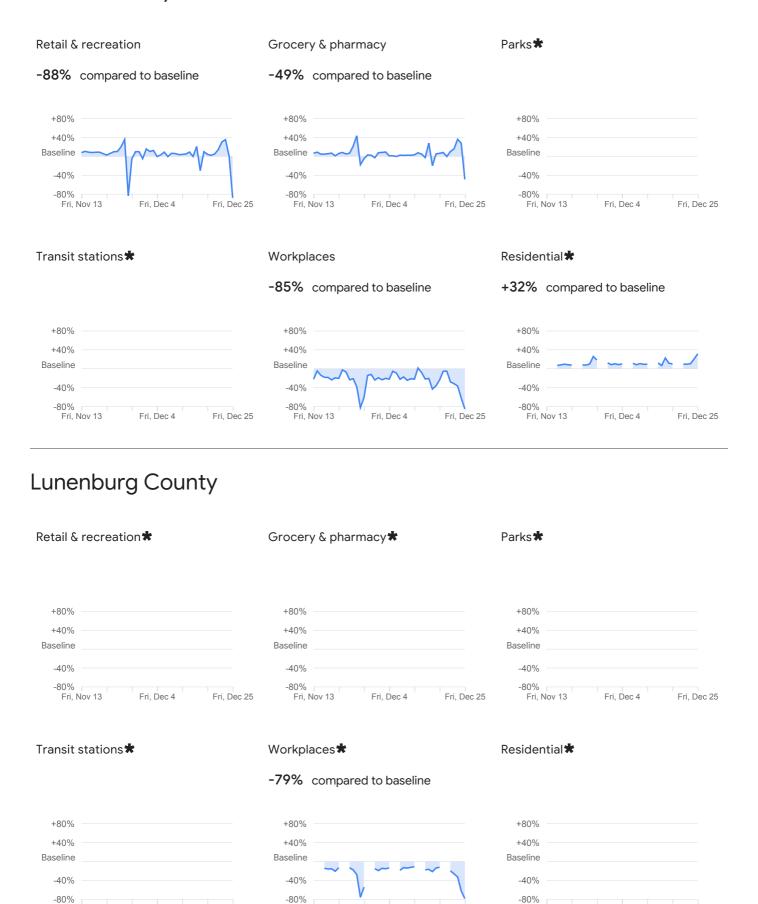
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Lexington



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

Louisa County



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

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Nov 13

Fri, Dec 4

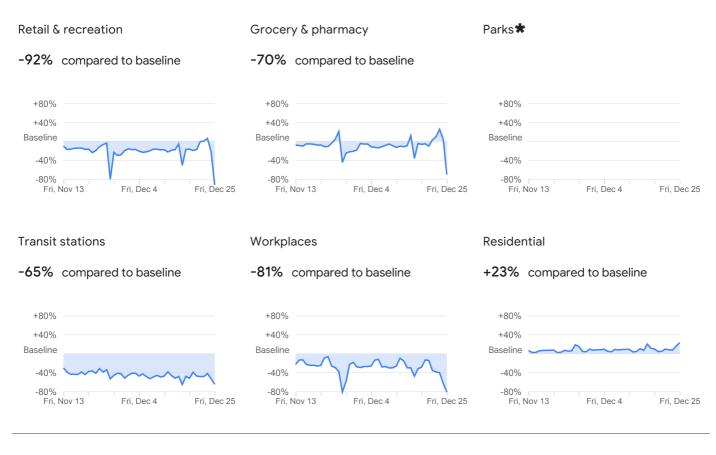
Fri, Dec 25

Fri, Dec 25

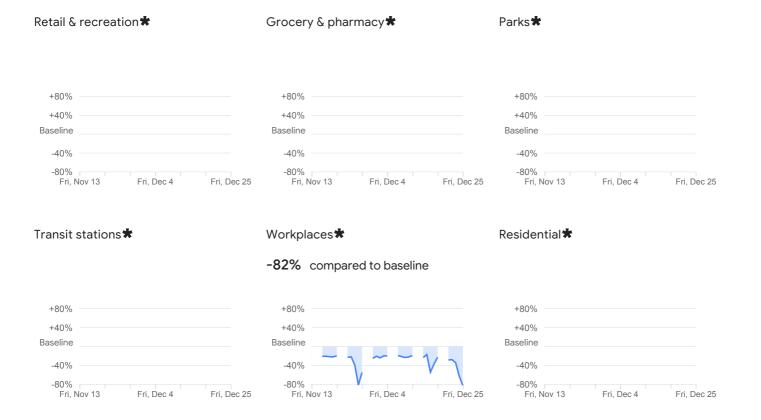
Fri, Nov 13

Fri, Dec 4

Lynchburg

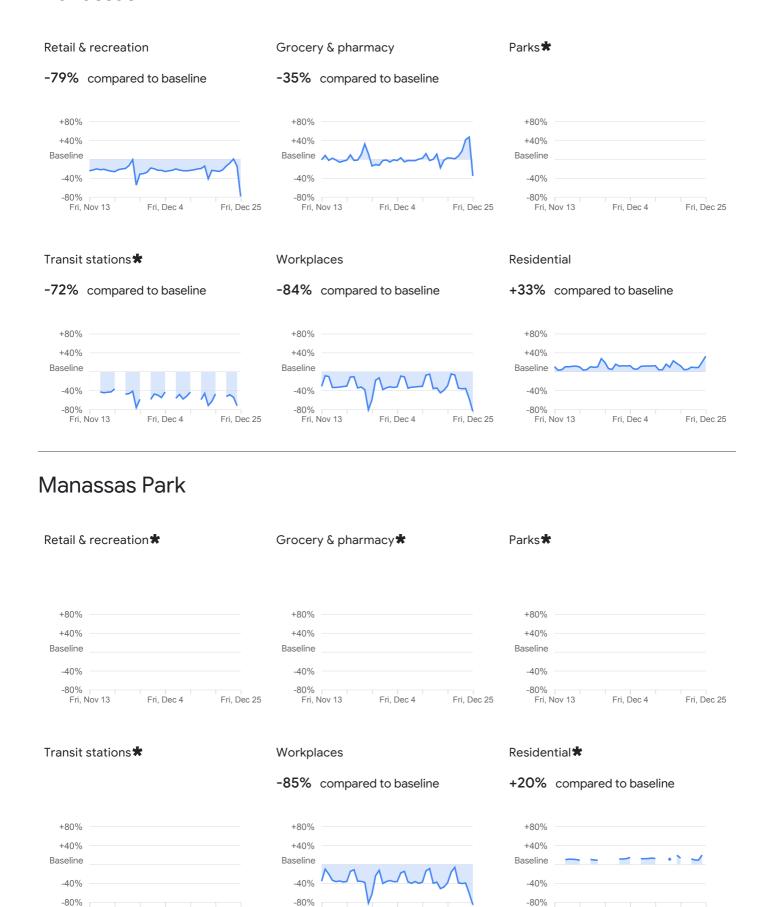


Madison County



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

Manassas



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

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Fri, Nov 13

Fri, Dec 4

Martinsville

Transit stations*

+80%

+40%

Baseline





-52% compared to baseline

Residential*

+80%

+40%

Baseline

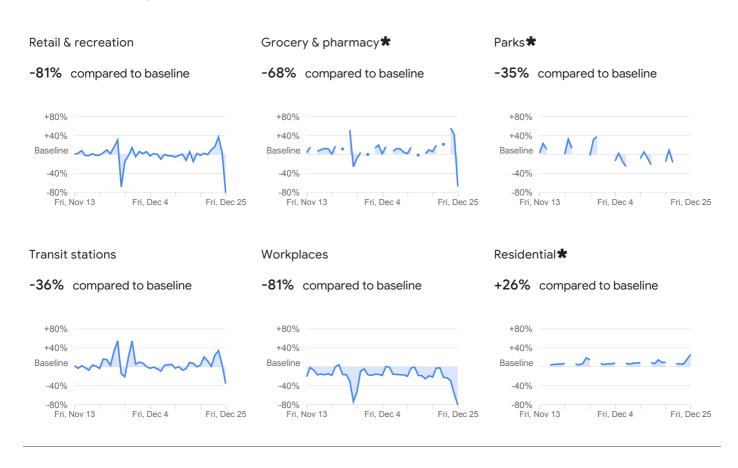
Workplaces*

+80%

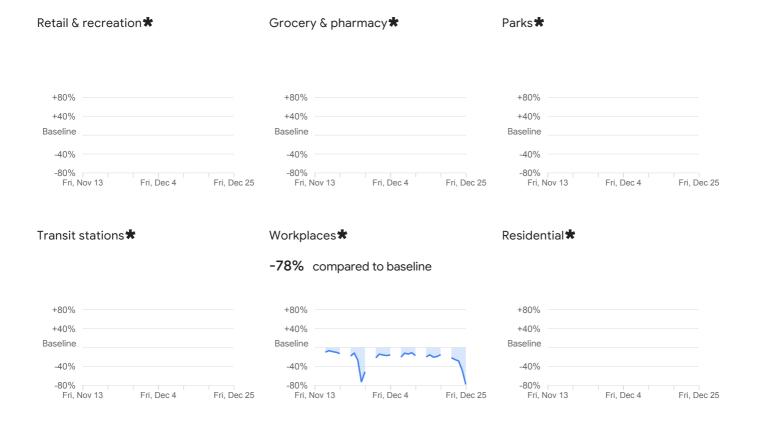
+40%

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

Mecklenburg County

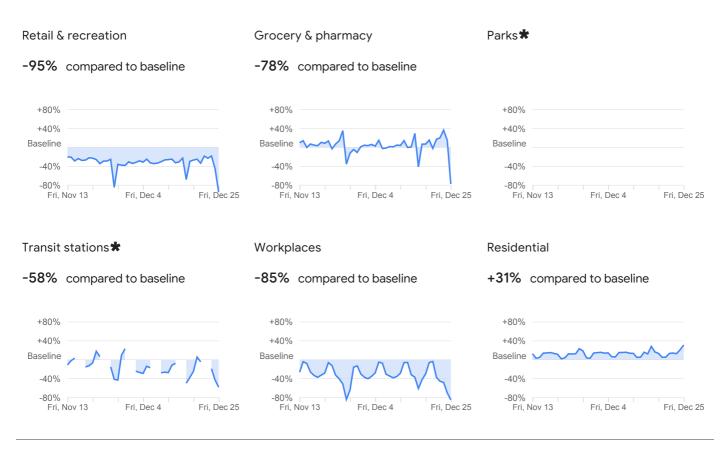


Middlesex County

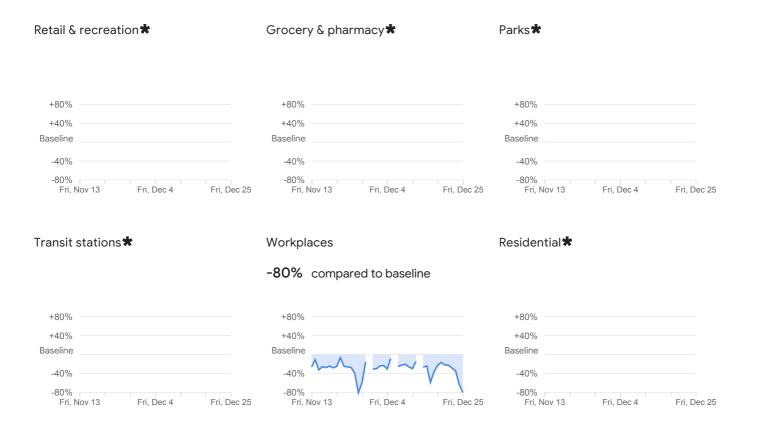


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Montgomery County

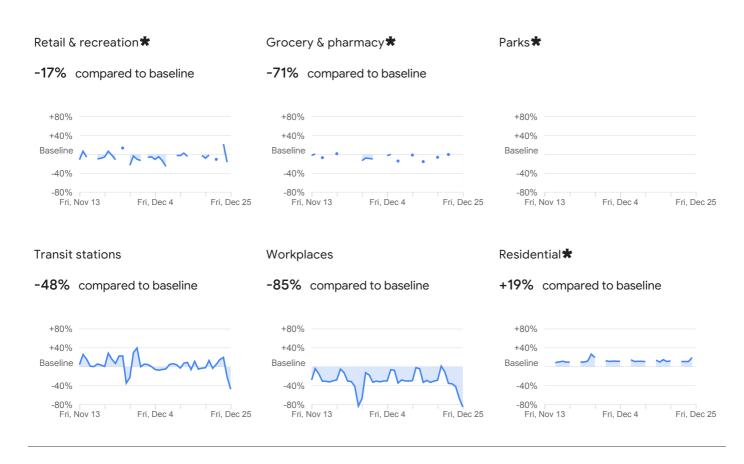


Nelson County

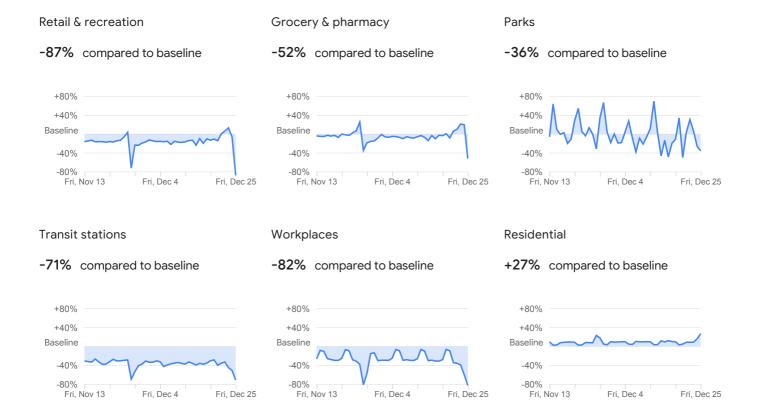


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

New Kent County



Newport News



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

Norfolk

+40%

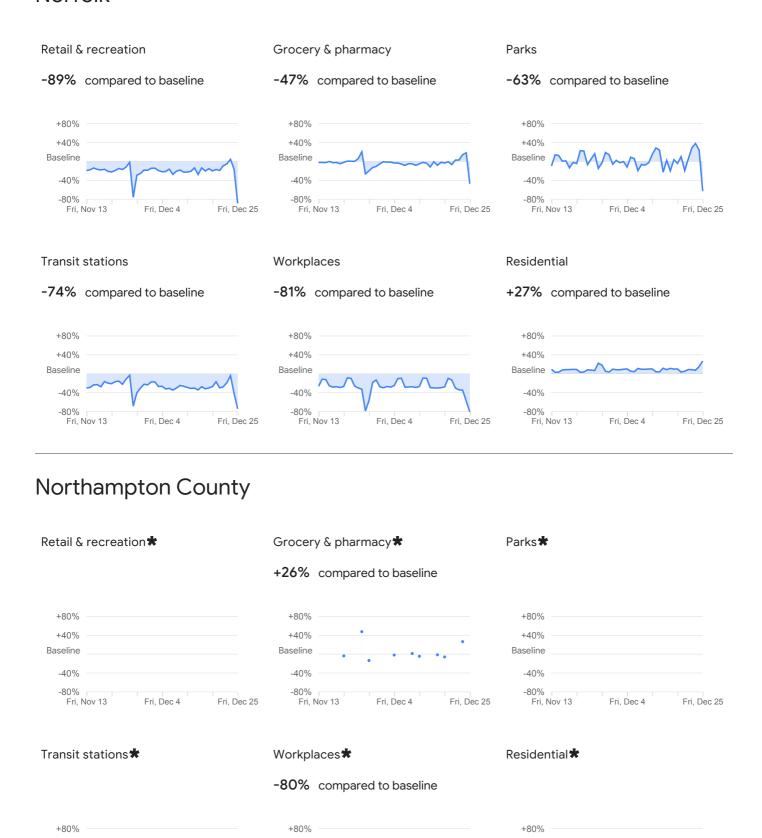
-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline



Fri, Dec 25

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

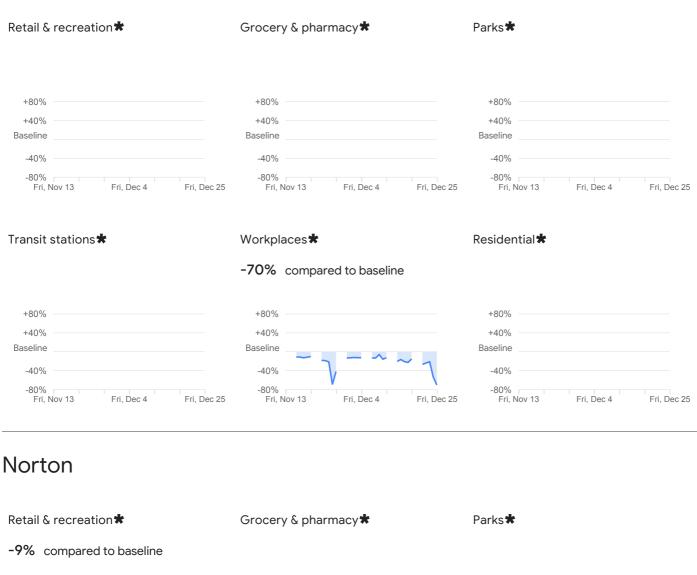
Fri, Dec 25

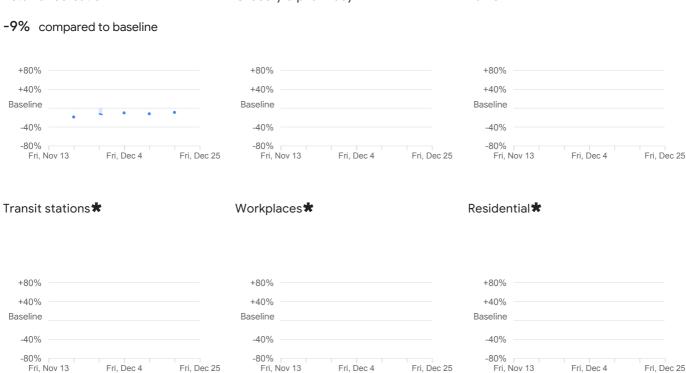
Fri, Dec 25

Baseline

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

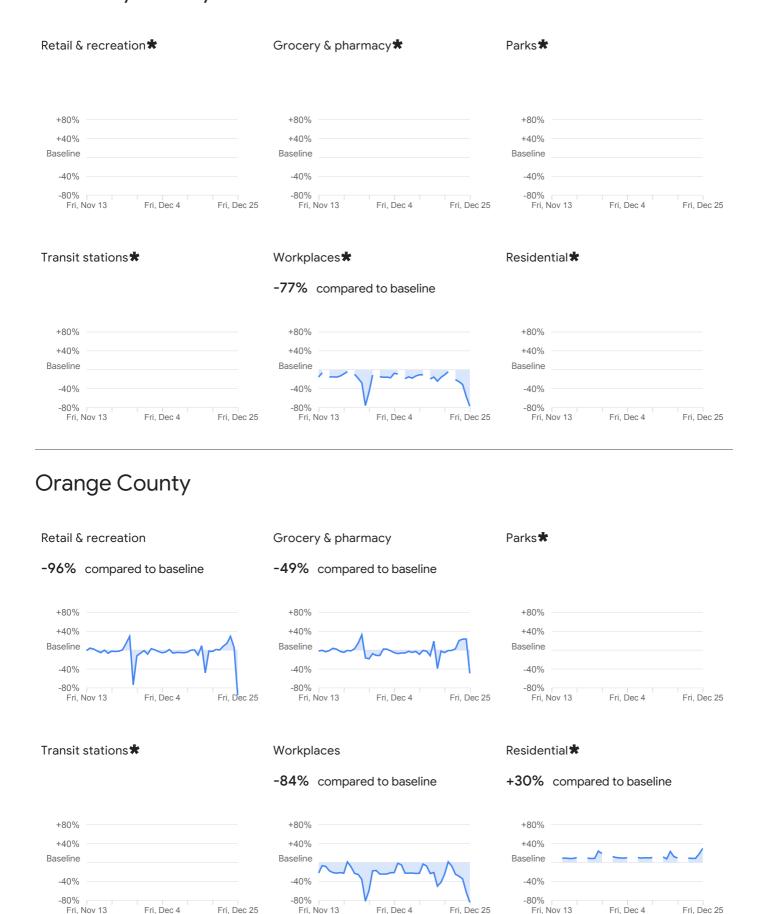
Northumberland County





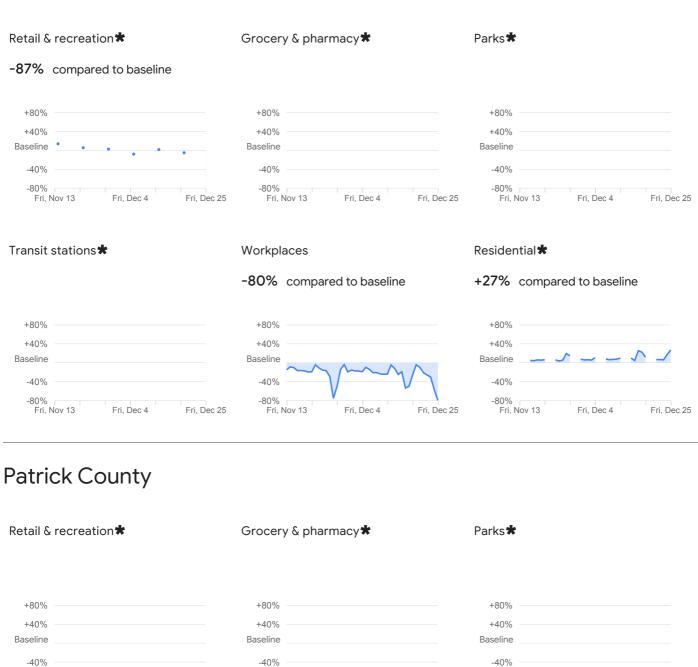
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

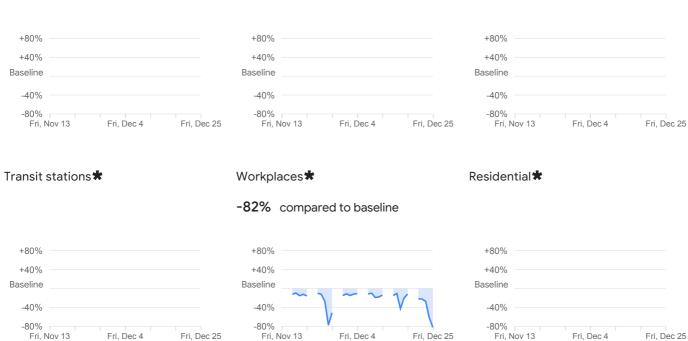
Nottoway County



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

Page County





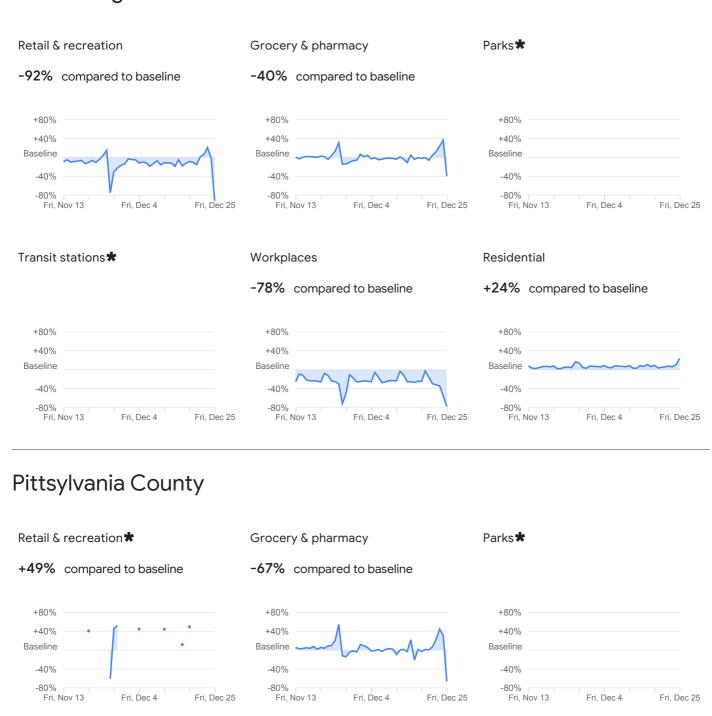
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Petersburg

Transit stations*

+80%

+40%





-83% compared to baseline

Residential

+80%

+40%

+27% compared to baseline

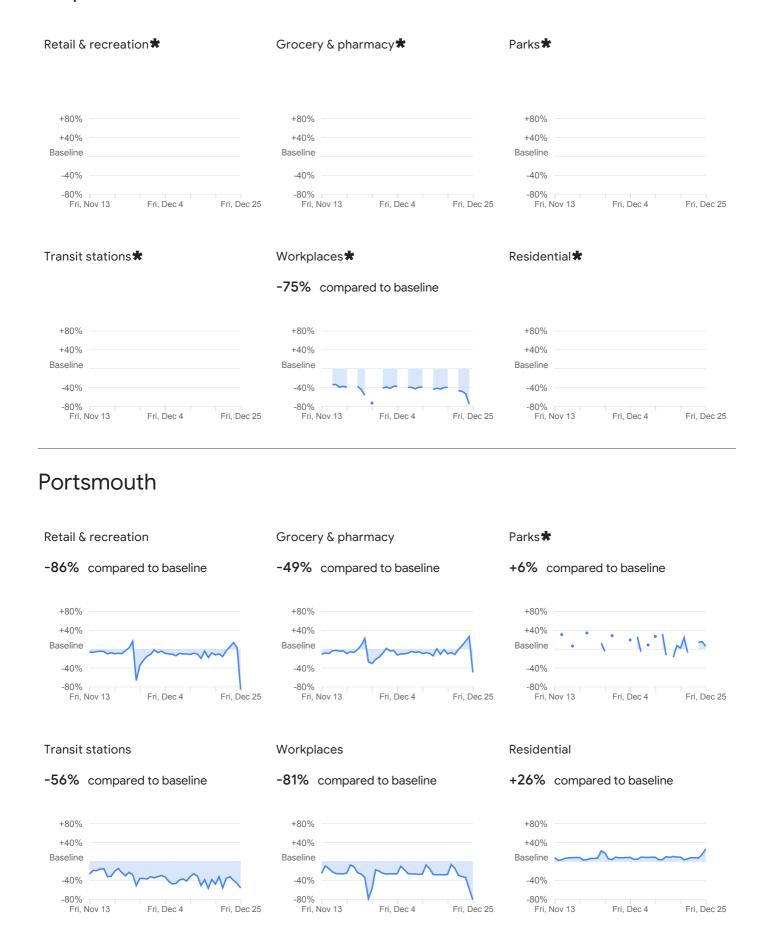
Workplaces

+80%

+40%

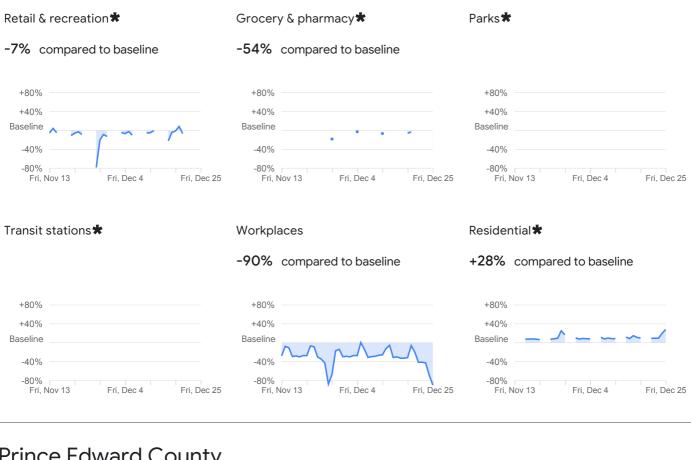
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Poquoson

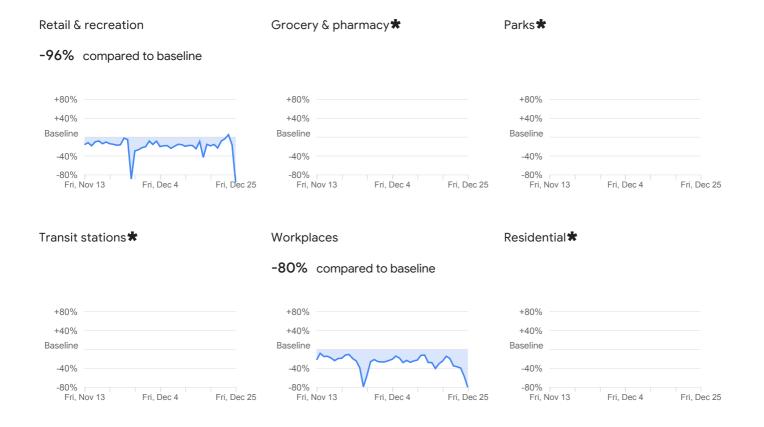


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Powhatan County

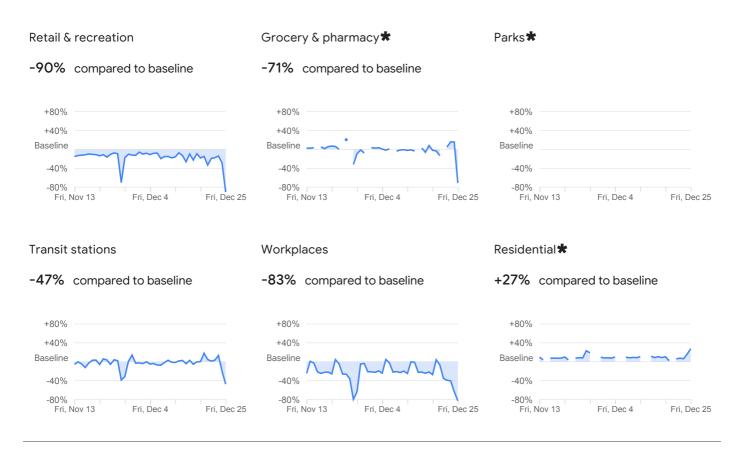


Prince Edward County

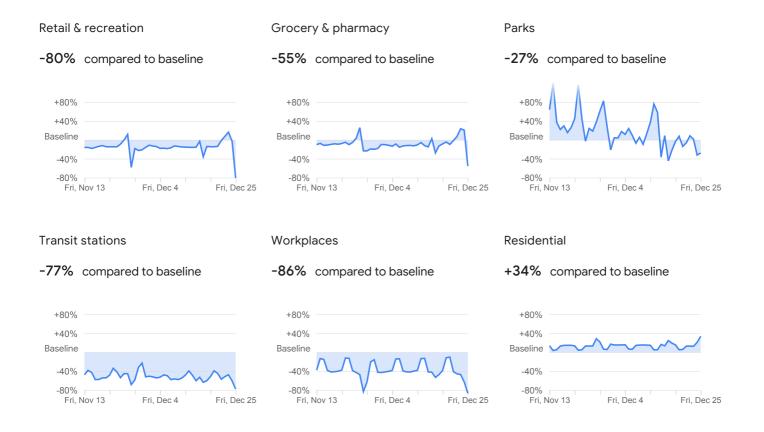


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Prince George County

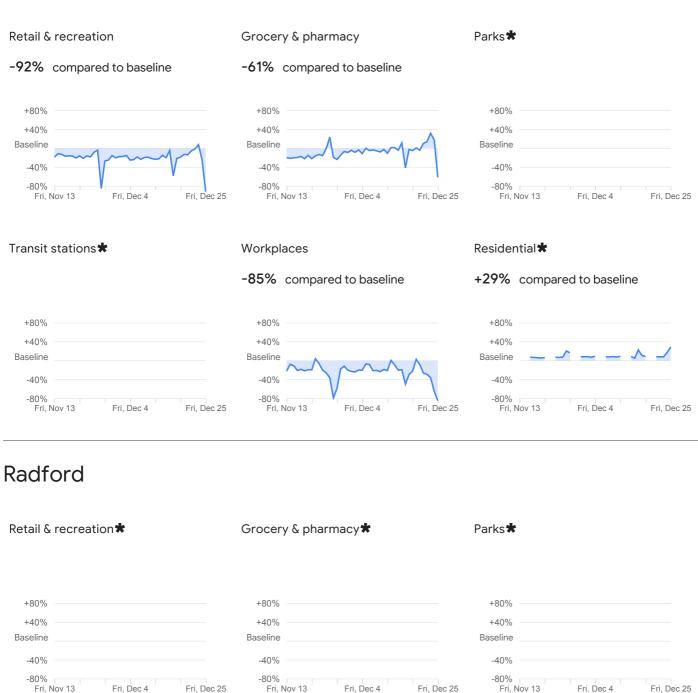


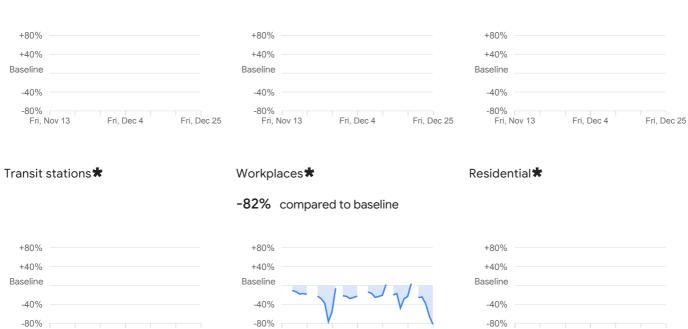
Prince William County



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

Pulaski County





Fri, Dec 4

Fri, Dec 25

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Nov 13

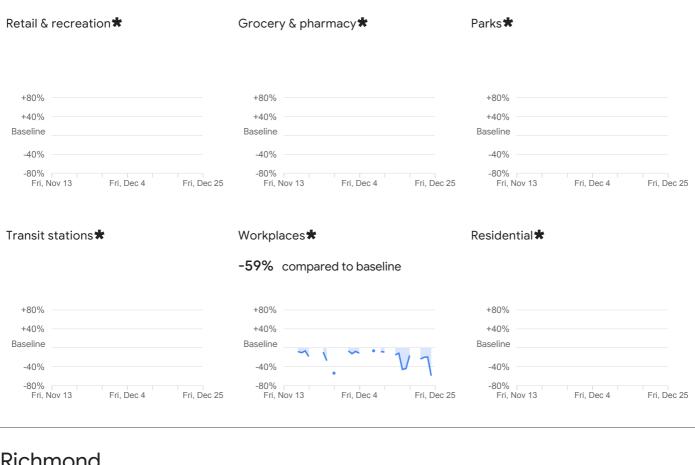
Fri, Dec 25

Fri, Nov 13

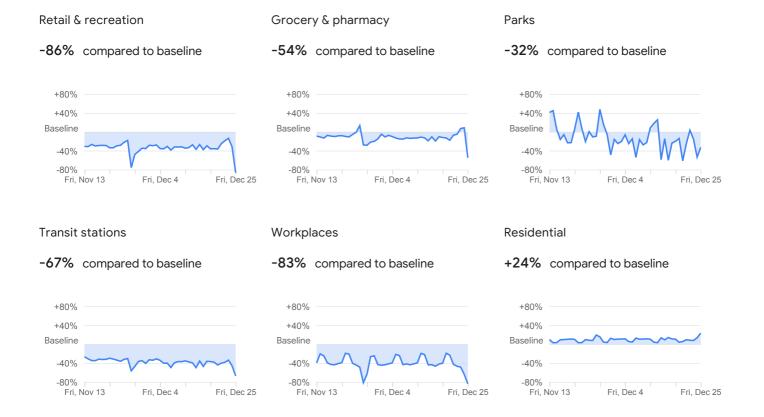
Fri, Dec 4

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

Rappahannock County

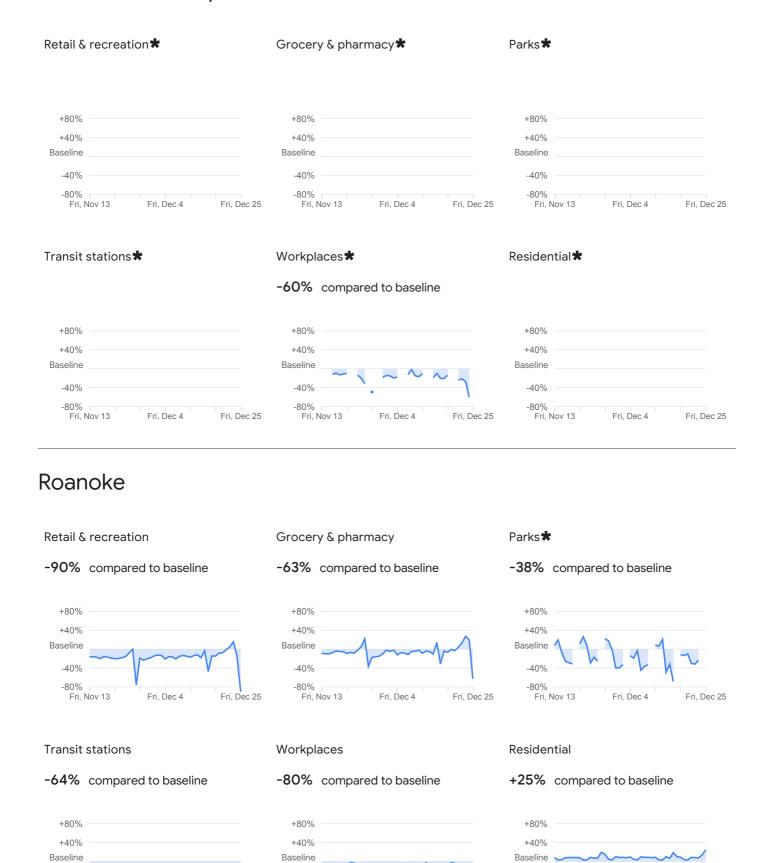


Richmond



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

Richmond County



-40%

-80%

Fri, Nov 13

Fri, Dec 4

Fri, Dec 25

Fri, Dec 25

Fri, Dec 25

-40%

-80%

Fri, Nov 13

Fri, Dec 4

-40%

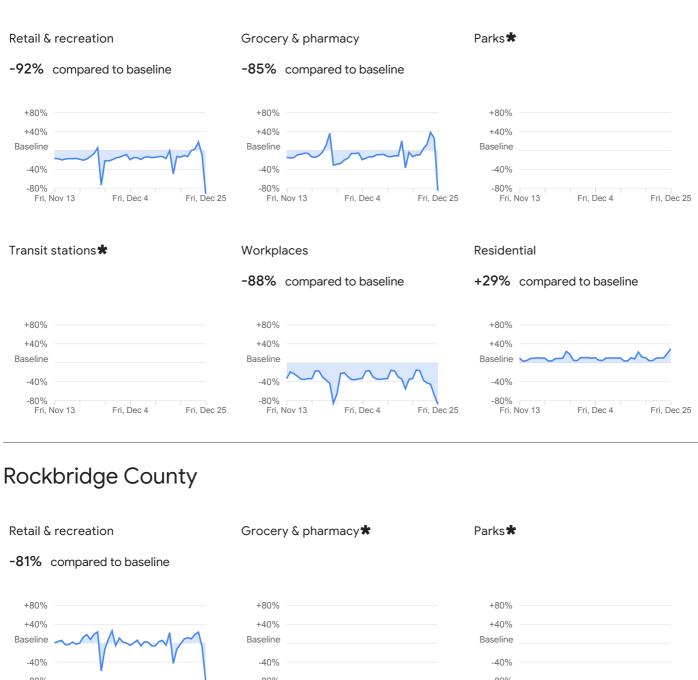
-80%

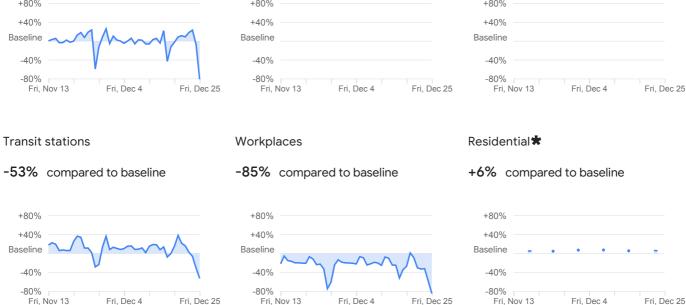
Fri, Nov 13

Fri, Dec 4

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

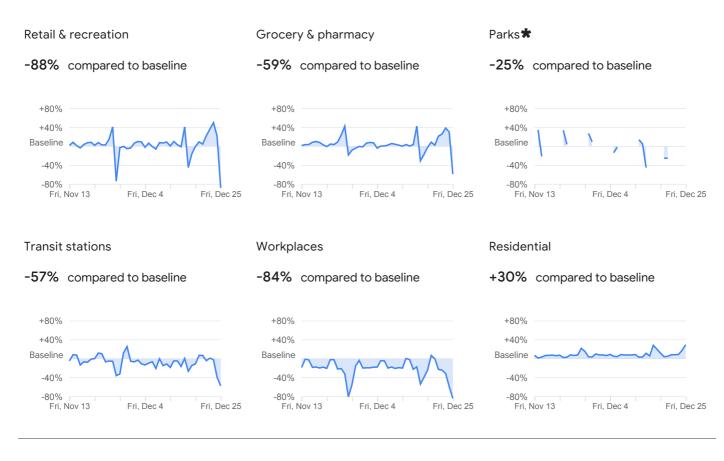
Roanoke County



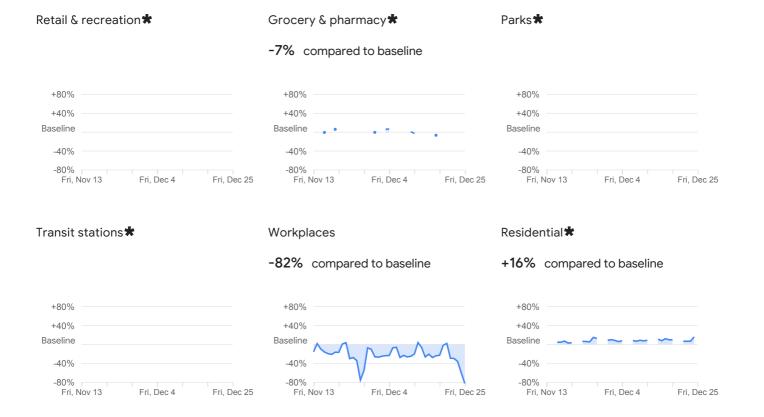


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Rockingham County

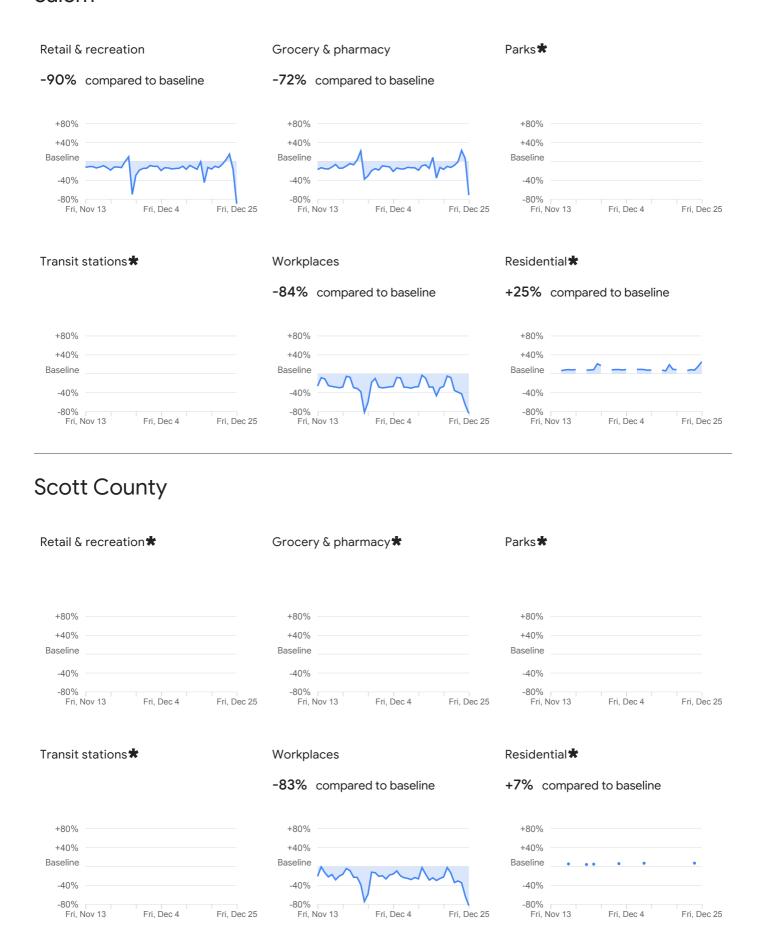


Russell County



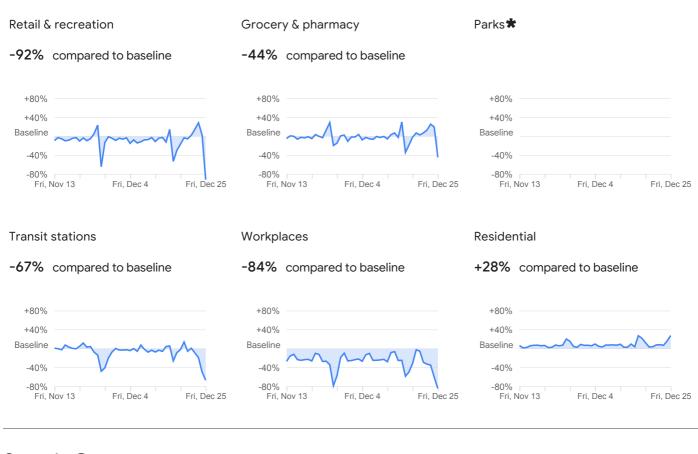
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Salem

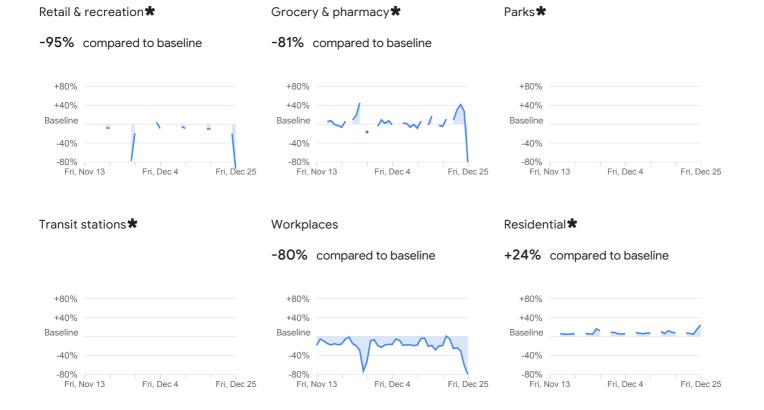


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Shenandoah County



Smyth County



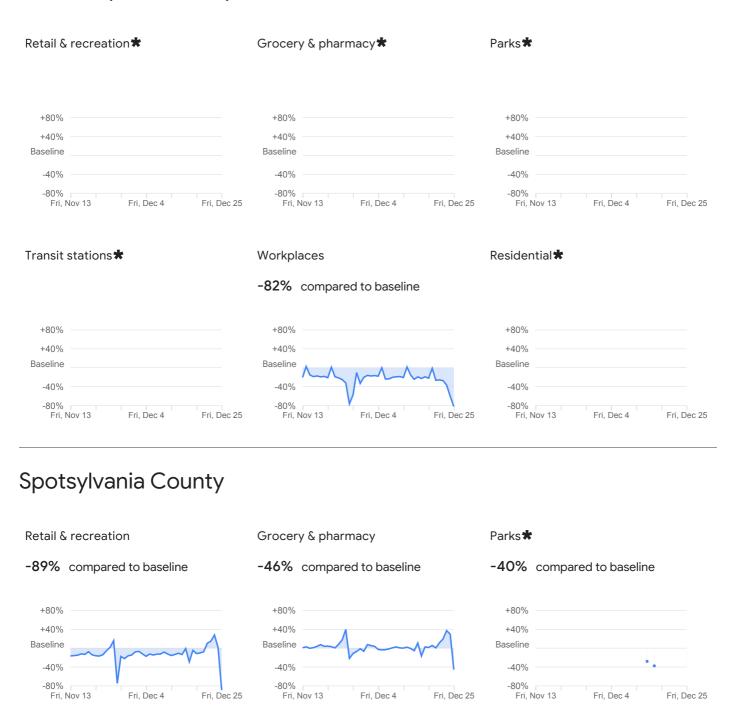
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Southampton County

Transit stations*

+80%

+40%





-85% compared to baseline

Residential

+80%

+40%

+31% compared to baseline

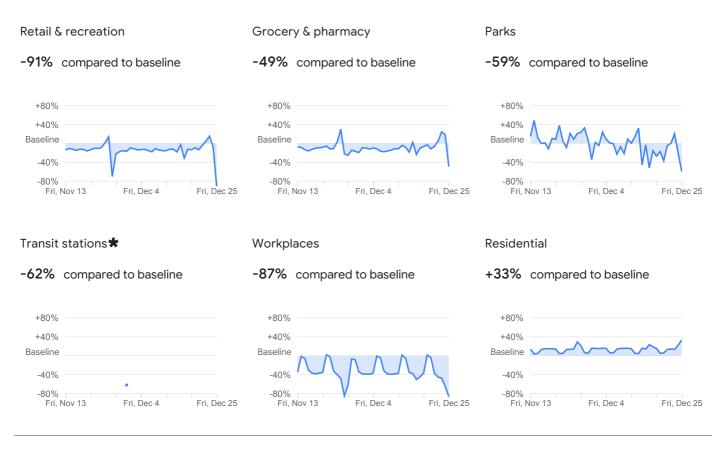
Workplaces

+80%

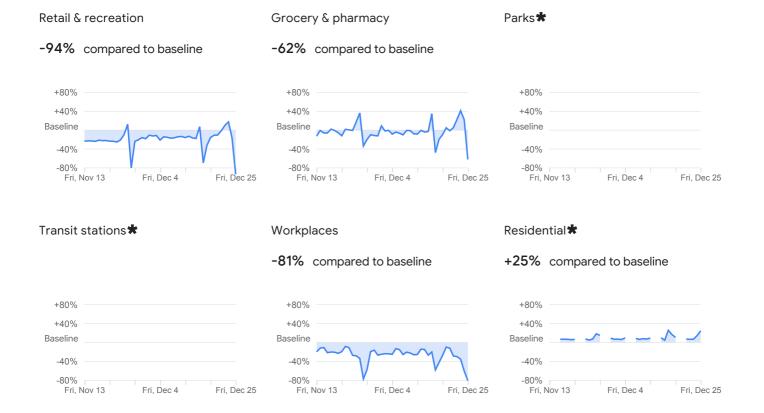
+40%

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

Stafford County



Staunton



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

Suffolk

+80%

+40%

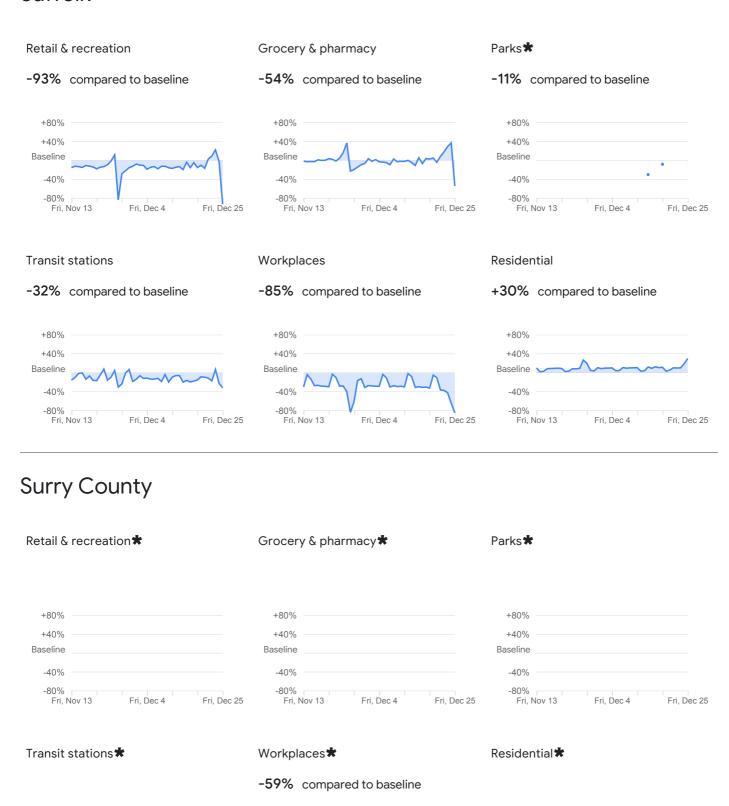
-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline



Fri, Dec 25

+80%

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline

+80%

+40%

-40%

-80%

Fri, Nov 13

Fri, Dec 4

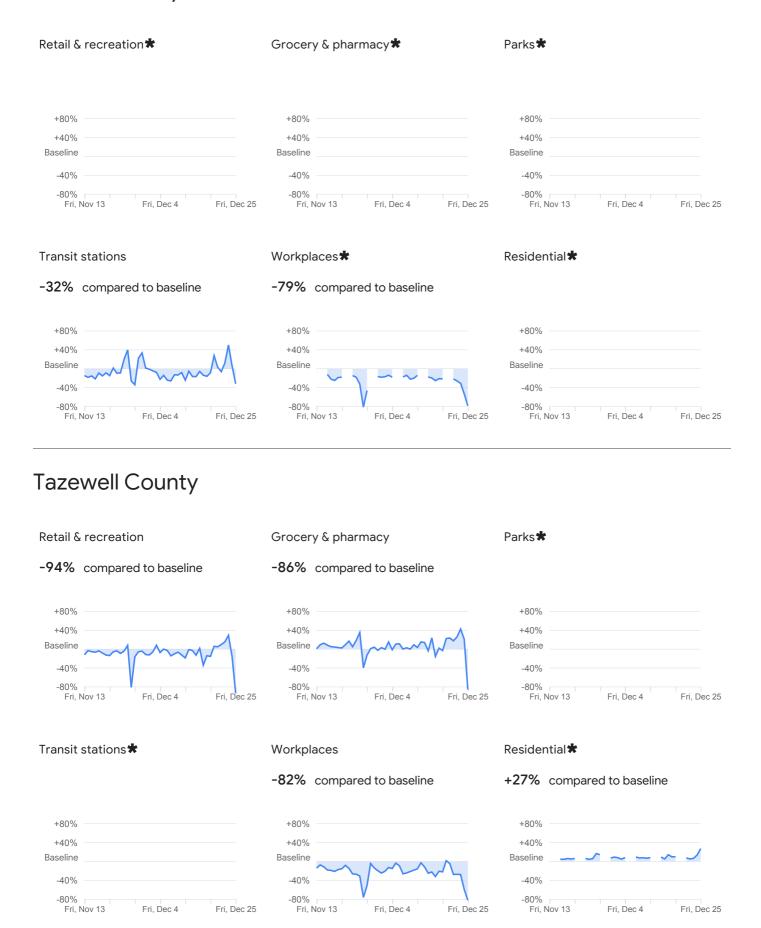
Fri, Dec 25

Fri, Dec 25

Baseline

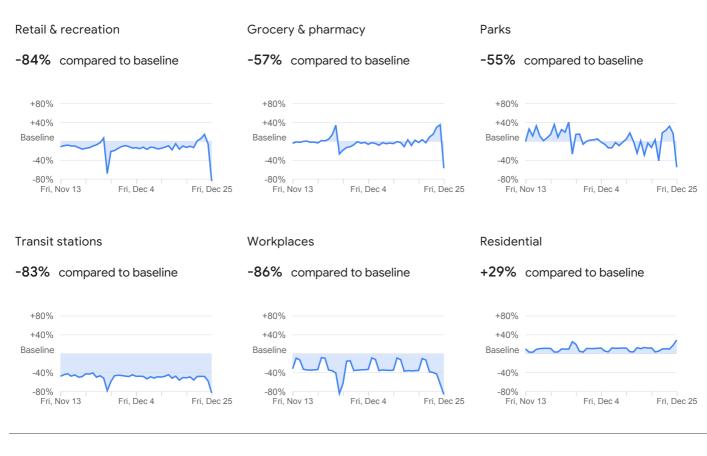
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Sussex County

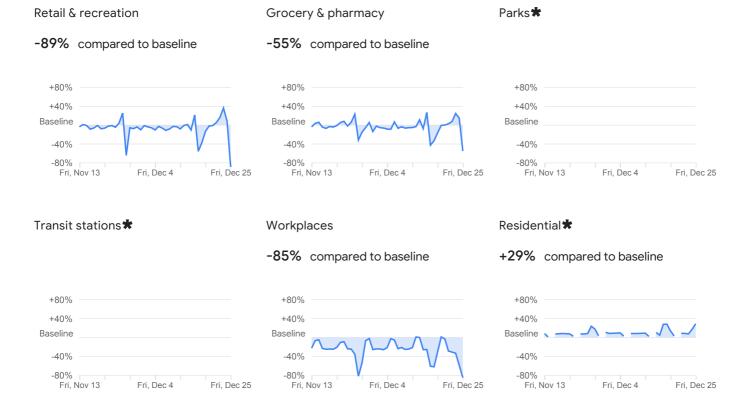


^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Virginia Beach



Warren County



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

Washington County

Transit stations*

+80%

+40%

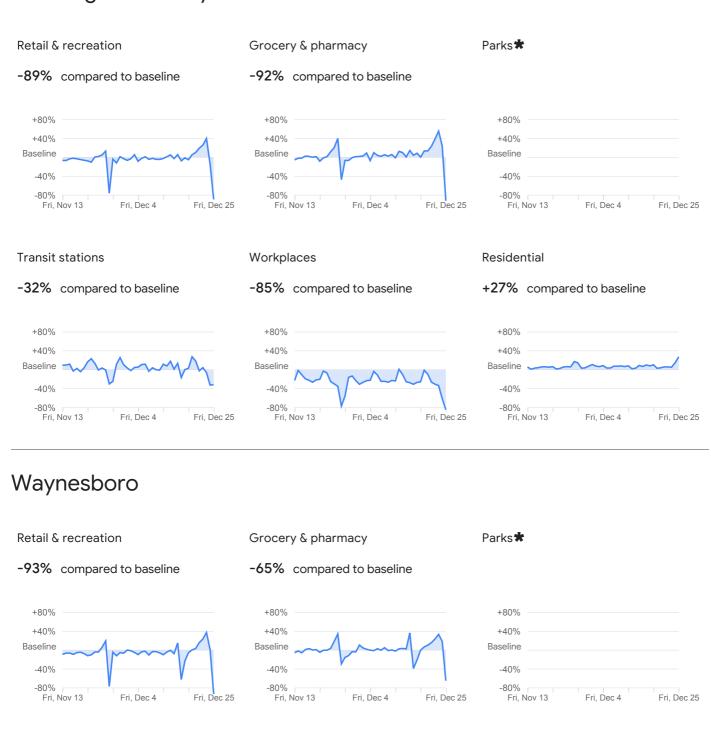
-40%

-80%

Fri, Nov 13

Fri, Dec 4

Baseline



Fri, Dec 25

Workplaces

+80%

+40%

-40%

-80%

Fri, Nov 13

Baseline

-84% compared to baseline

Fri, Dec 4

Residential*

+80%

+40%

-40%

-80%

Fri. Nov 13

Fri, Dec 25

Baseline

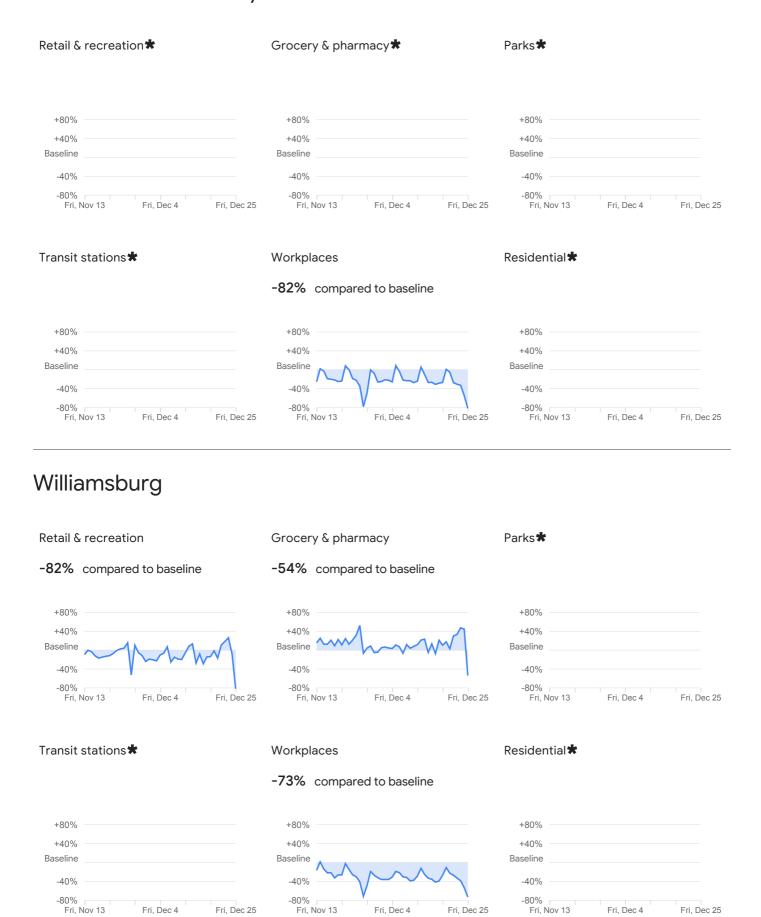
+25% compared to baseline

Fri, Dec 4

Fri, Dec 25

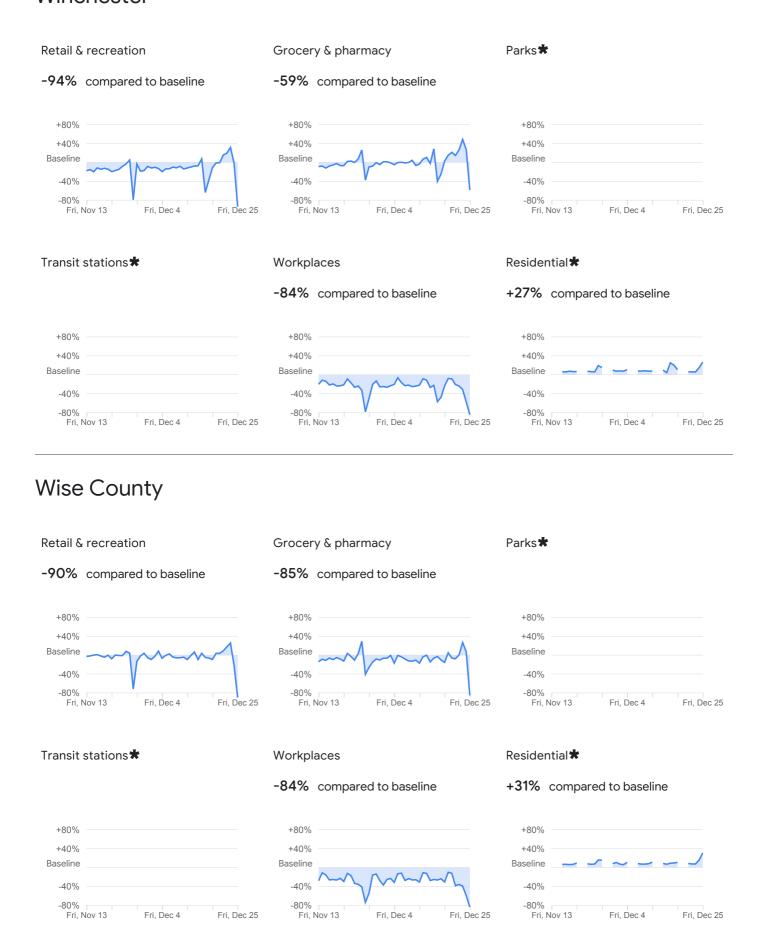
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

Westmoreland County



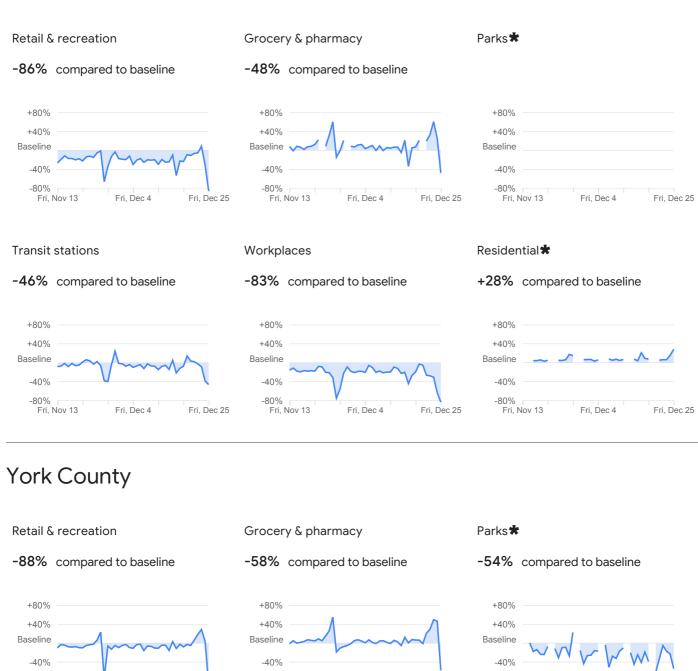
^{*} The data doesn't meet quality and privacy thresholds for every day in the chart.

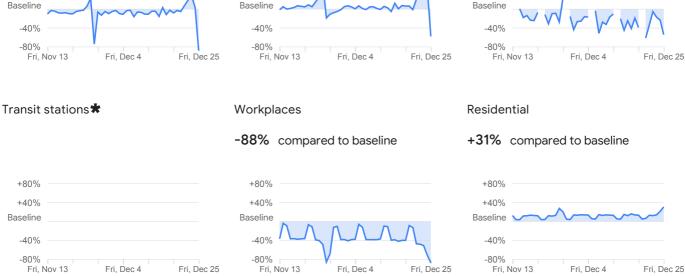
Winchester



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

Wythe 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