Google

Washington March 29, 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.

Sun Mar 29

Sun Mar 29

Retail & recreation

-48%

+40% Baseline -40%

+80%

Sun Feb 16

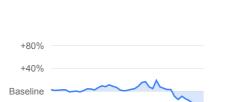
-40%

-80% Sun Feb 16

+80%

+40%

Baseline



Sun Mar 8

Sun Mar 8

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

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

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

compared to baseline

Grocery & pharmacy

-26%

compared to baseline

Parks

-11%

compared to baseline

-80% Sun Feb 16 Sun Mar 8 Sun Mar 29

Transit stations



compared to baseline

Workplaces



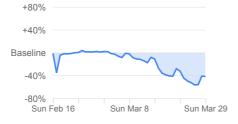
compared to baseline

Residential



compared to baseline





Sun Mar 8

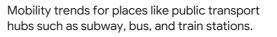
Sun Mar 29

+80%

+40%

-80% Sun Feb 16

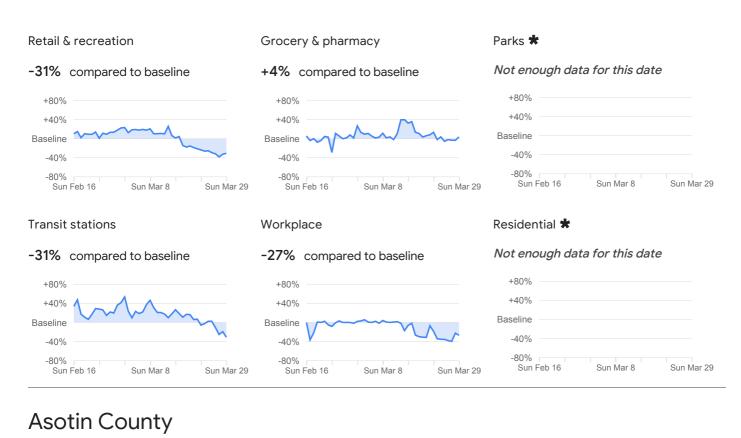
Baseline



Mobility trends for places of work.

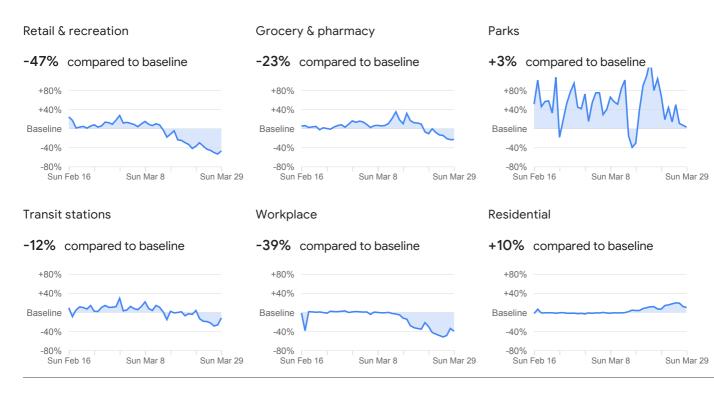
Mobility trends for places of residence.

Adams County

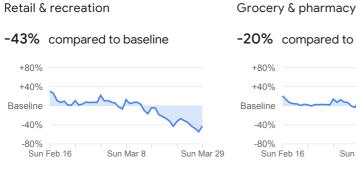


Retail & recreation	Grocery & pharmacy 苯	Parks 苯
-33% compared to baseline	Not enough data for this date	Not enough data for this date
+80%	+80%	+80%
+40%	+40%	+40%
Baseline	Baseline	Baseline
-40%	-40%	-40%
-80% Sun Feb 16 Sun Mar 8 Sun Mar 29	-80% Sun Feb 16 Sun Mar 8 Sun Mar 29	-80% Sun Feb 16 Sun Mar 8 Sun Mar 29
Transit stations 🖈	Workplace	Residential 苯
Not enough data for this date	-31% compared to baseline	+7% compared to baseline
+80%	+80%	+80%
+40%	+40%	+40%
Baseline	Baseline	Baseline
-40%	-40%	-40%

Benton County

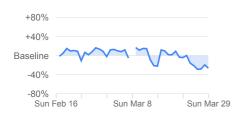


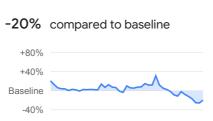
Chelan County





-27% compared to baseline

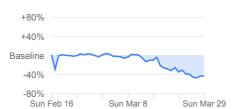




-80% Sun Feb 16 Sun Mar 8 Sun Mar 29

Workplace

-43% compared to baseline



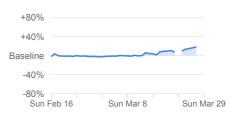
Parks

-15% compared to baseline

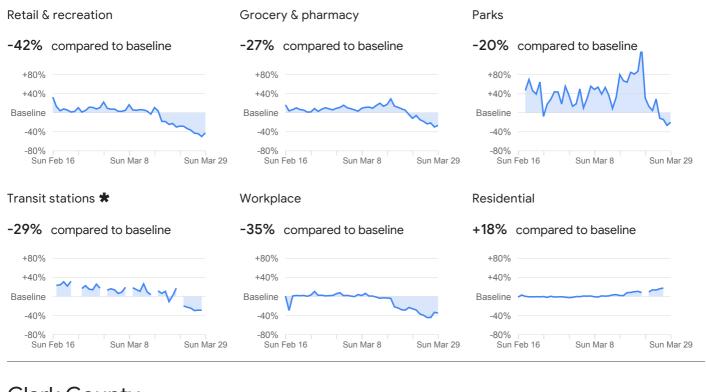


Residential

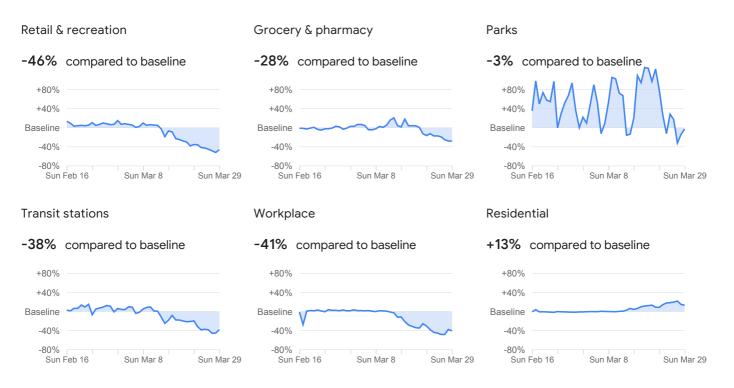
+18% compared to baseline



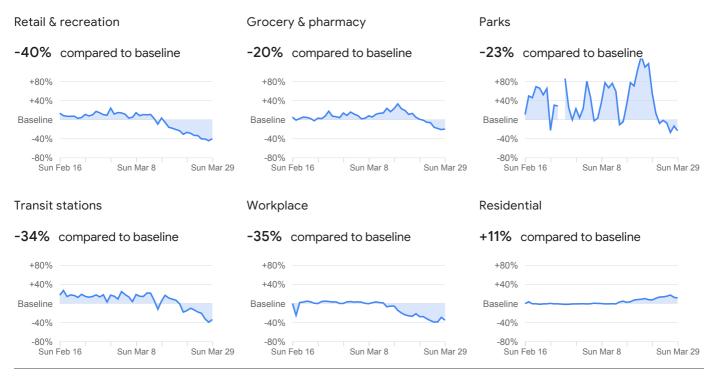
Clallam County



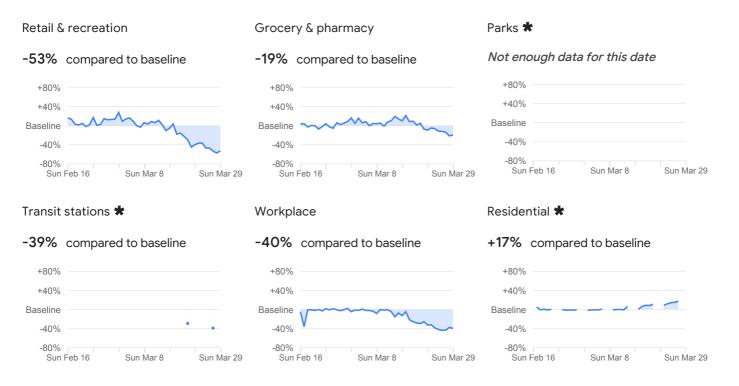
Clark County



Cowlitz County



Douglas County



Ferry County

Retail & recreation * Grocery & pharmacy 苯 Parks 🛣 Not enough data for this date Not enough data for this date +80% +80% +40% +40% Baseline Baseline -40% -40% -80% -80% Sun Mar 29 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Feb 16 Residential 🖈 Transit stations 🗱 Workplace 苯

Not enough data for this date



Franklin County

-40% compared to baseline

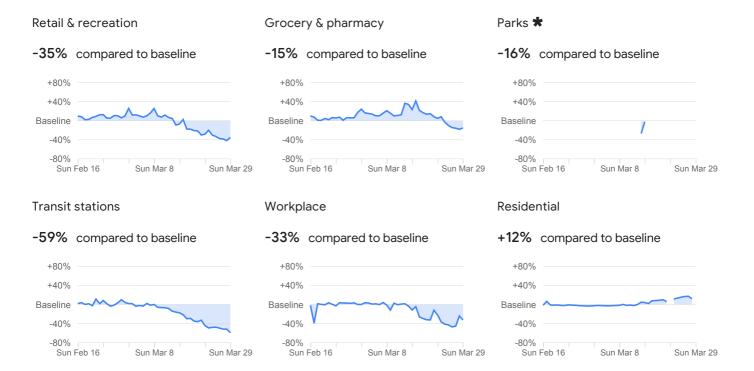
+80%			
+40%			
Baseline			
-40%	•		~
-80% Sun I	Feb 16	Sun Mar 8	Sun Mar 29

Not enough data for this date

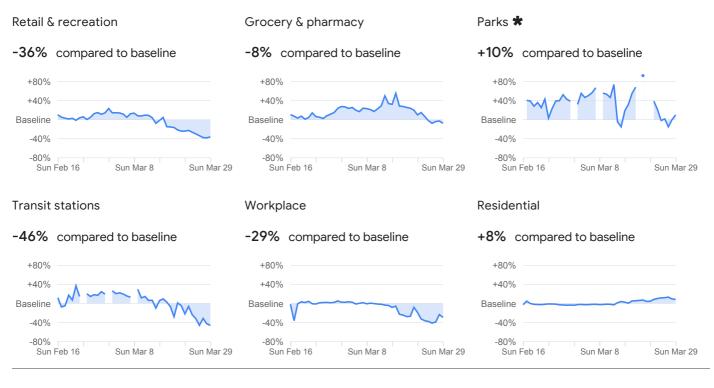
000/			
+80%			
+40%			
Baseline			
-40%			
-80% Sun	Feb 16	Sun Mar 8	Sun Mar 29

Not enough data for this date

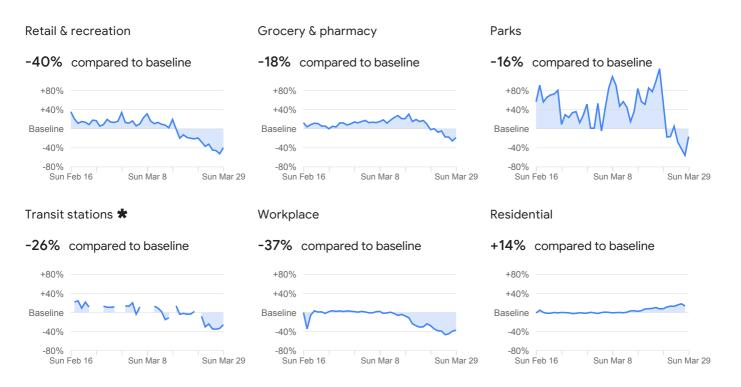
+80%				
+40%				
Baseline				
-40%				
-80% Sun	Feb 16	Sun Mar 8	Sun M	1ar 29



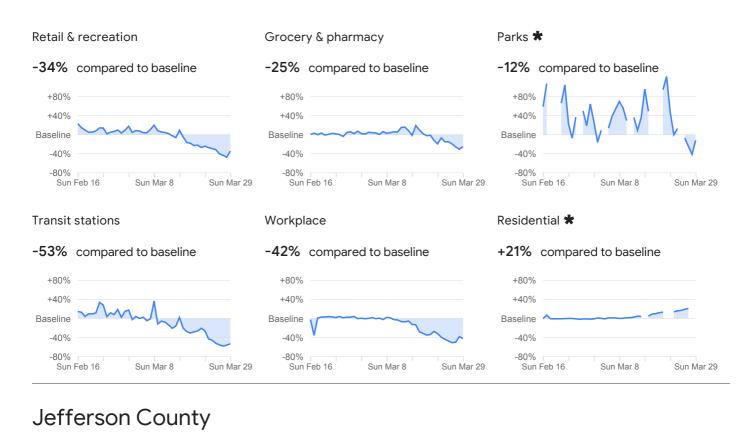
Grant County

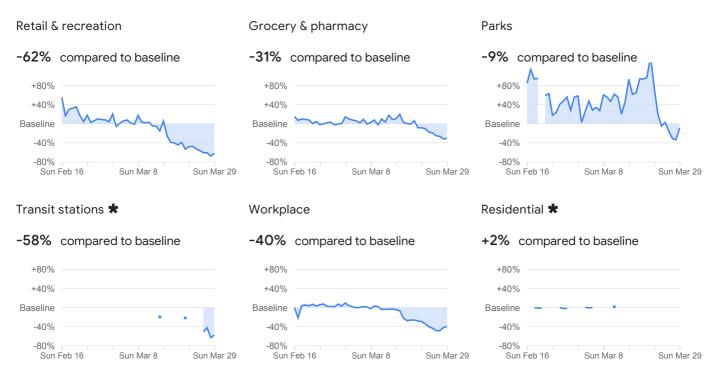


Grays Harbor County



Island County





King County



Kitsap County

Retail & recreation

Transit stations

+80%

+40%

-40%

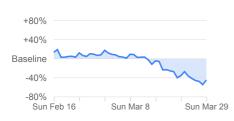
-80%

Sun Feb 16

Baseline

-45% compared to baseline

-62% compared to baseline



Sun Mar 8

Sun Mar 29

+40%

Grocery & pharmacy

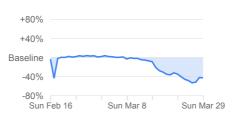
-27% compared to baseline



Workplace

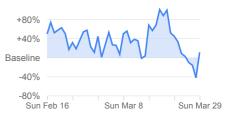
+80%

-43% compared to baseline



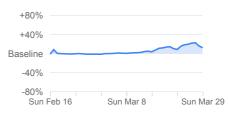
Parks

+12% compared to baseline

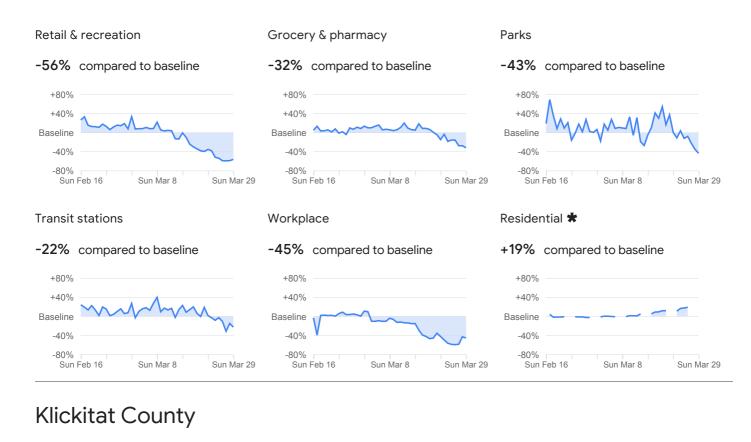


Residential

+12% compared to baseline

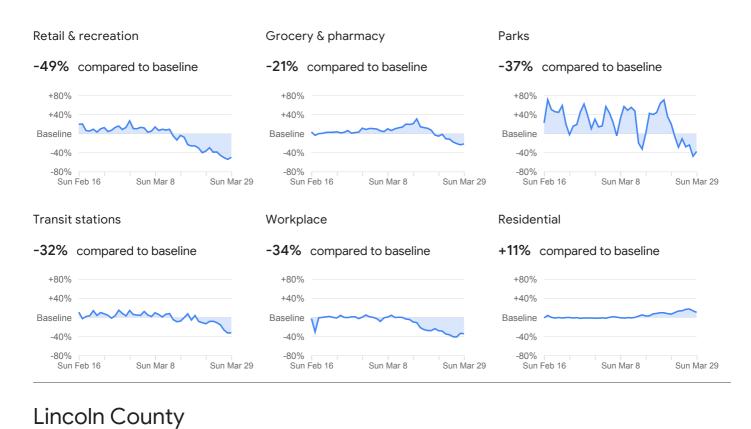


Kittitas County



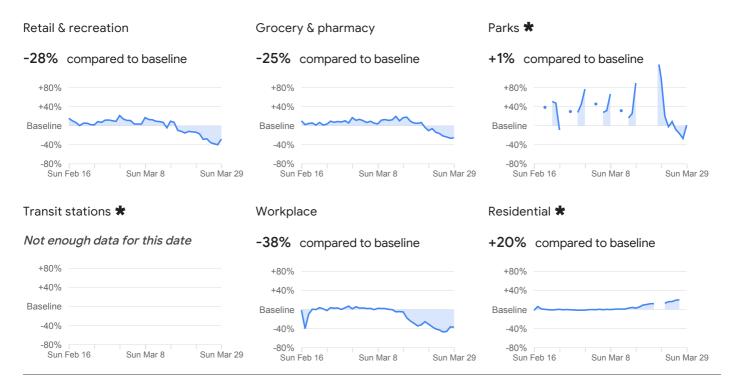
Retail & recreation	Grocery & pharmacy	Parks 苯
-56% compared to baseline	-3% compared to baseline	Not enough data for this date
+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29
Transit stations * Not enough data for this date	Workplace	Residential 苯 Not enough data for this date
+80%	-36% compared to baseline +80% +40%	+80%
Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29

Lewis County

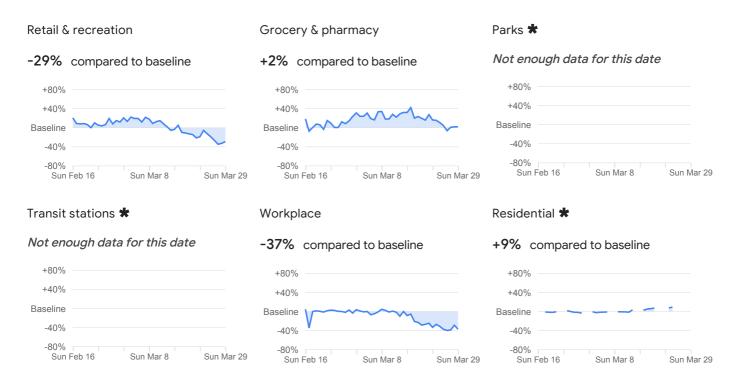


Retail & recreation 苯	Grocery & pharmacy 苯	Parks 苯
Not enough data for this date	Not enough data for this date	Not enough data for this date
+80%	+80%	+80%
+40%	+40%	+40%
Baseline	Baseline	Baseline
-40%	-40%	-40%
-80% Sun Feb 16 Sun Mar 8 Sun Mar 29	-80% Sun Feb 16 Sun Mar 8 Sun Mar 29	-80% Sun Feb 16 Sun Mar 8 Sun Mar 29
Transit stations 苯	Workplace 苯	Residential 苯
Not enough data for this date	-37% compared to baseline	Not enough data for this date
+80%	+80%	+80%
+40%	+40%	+40%
Baseline	Baseline 🔶 💛 🔨 💊	Baseline
-40%	-40%	-40%
-80% Sun Feb 16 Sun Mar 8 Sun Mar 29	-80%	-80% Sun Feb 16 Sun Mar 8 Sun Mar 29

Mason County



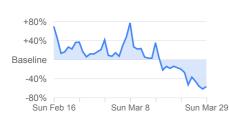
Okanogan County



Pacific County

Retail & recreation

-56% compared to baseline

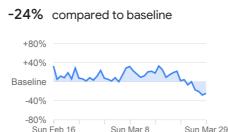


Transit stations 🖈

Not enough data for this date

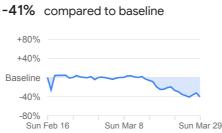


Pend Oreille County

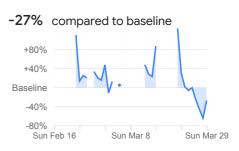


Grocery & pharmacy

Workplace



Parks 苯



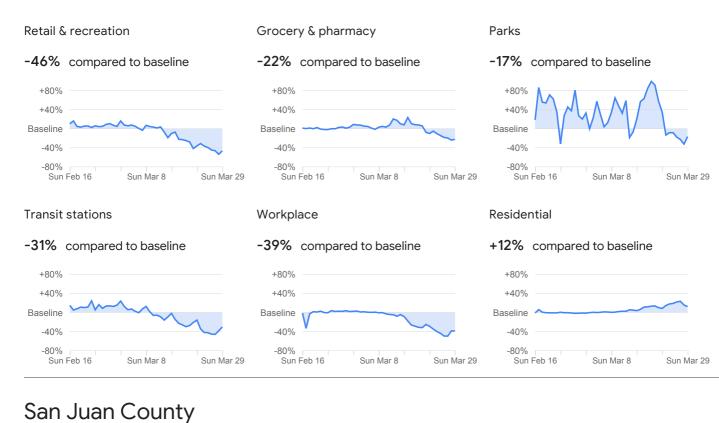
Residential 苯

Not enough data for this date

+80%				
+40%				
Baseline				
-40%				
-80% Sun I	Feb 16	Sun Mar 8	S	un Mar 29

Retail & recreation Grocery & pharmacy Parks 🖈 Not enough data for this date -67% compared to baseline -6% compared to baseline +80% +80% +80% +40% +40% +40% Baseline Baseline Baseline -40% -40% -40% -80% -80% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Mar 29 Transit stations 苯 Workplace 🖈 Residential 🖈 Not enough data for this date Not enough data for this date -41% compared to baseline +80% +80% +80% +40% +40% +40% Baseline Baseline Baseline -40% -40% -40% -80% -80% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Mar 29

Pierce County



Retail & recreation Grocery & pharmacy Parks 🖈 Not enough data for this date -61% compared to baseline -32% compared to baseline +80% +80% +80% +40% +40% +40% Baseline Baseline Baseline -40% -40% -40% -80% -80% -80% Sun Feb 16 Sun Feb 16 Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Mar 29 Transit stations 🗱 Workplace Residential 🖈

-43% compared to baseline -45% compared to baseline +80% +80% +40% +40% Baseline Baseline -40% -40% -80% -80% Sun Mar 8 Sun Mar 29 Sun Feb 16 Sun Mar 8 Sun Feb 16

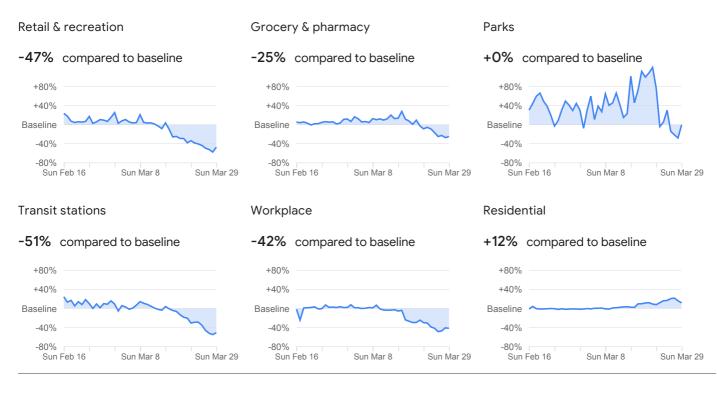
Not enough data for this date



Sun Mar 8

Sun Mar 29

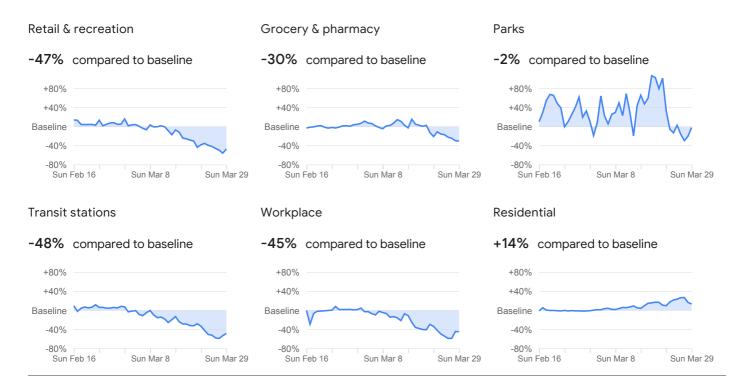
Skagit County



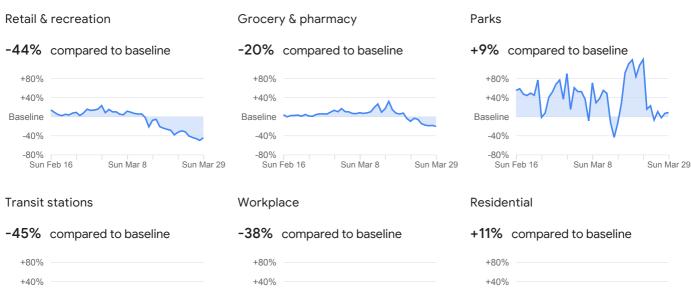
Skamania County

Retail & recreation 苯	Grocery & pharmacy 苯	Parks
-65% compared to baseline	Not enough data for this date	-57% compared to baseline
+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29	+80% +40% Baseline -40% -80% Sun Feb 16 Sun Mar 8 Sun Mar 29
Transit stations 苯	Workplace ★	Residential 苯
Transit stations * <i>Not enough data for this date</i>	Workplace ★ -40% compared to baseline	Residential 苯 Not enough data for this date
Not enough data for this date	-40% compared to baseline	Not enough data for this date
Not enough data for this date	-40% compared to baseline	Not enough data for this date
Not enough data for this date +80% +40%	-40% compared to baseline +80% +40%	Not enough data for this date +80% +40%

Snohomish County



Spokane County







Baseline

-40%

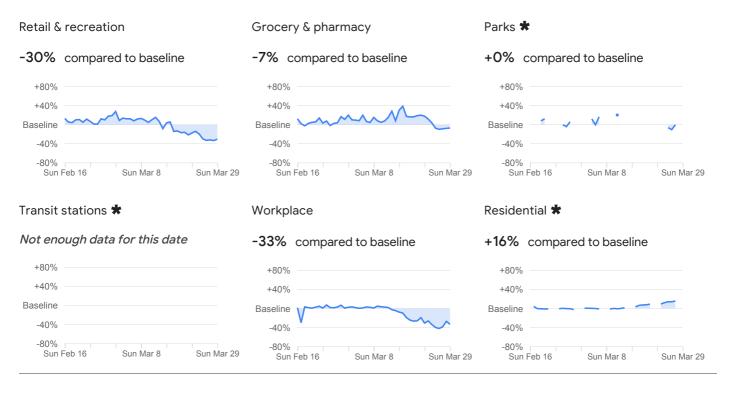
-80%

Sun Feb 16

Sun Mar 8

Sun Mar 29

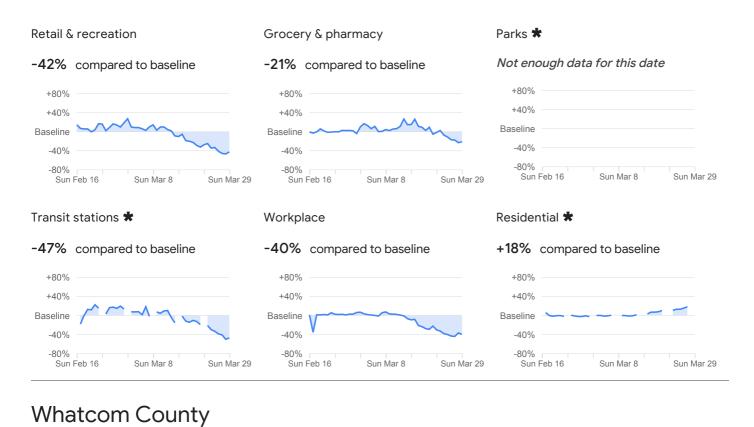
Stevens County

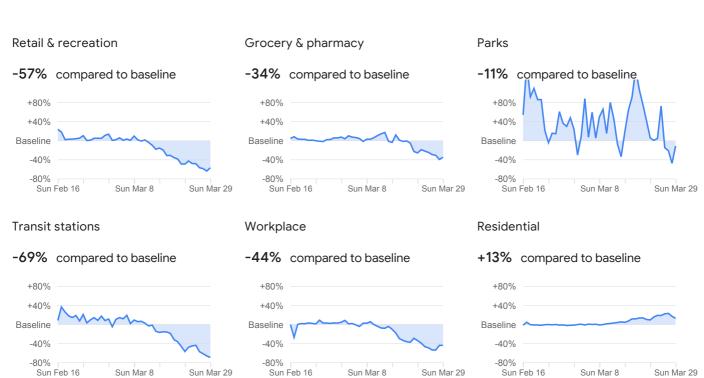


Thurston County

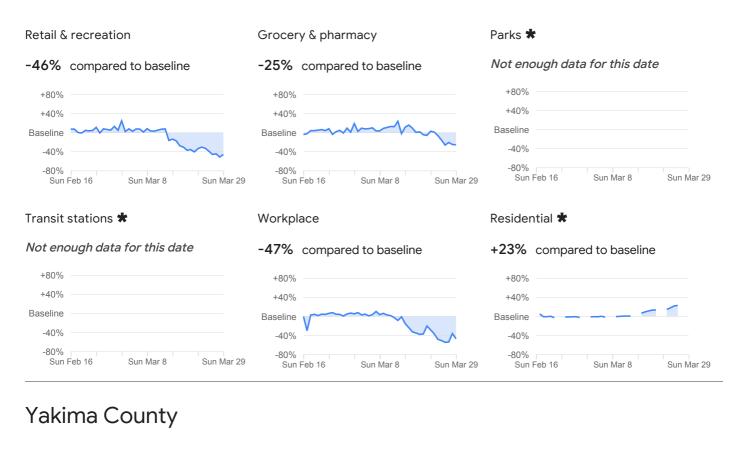


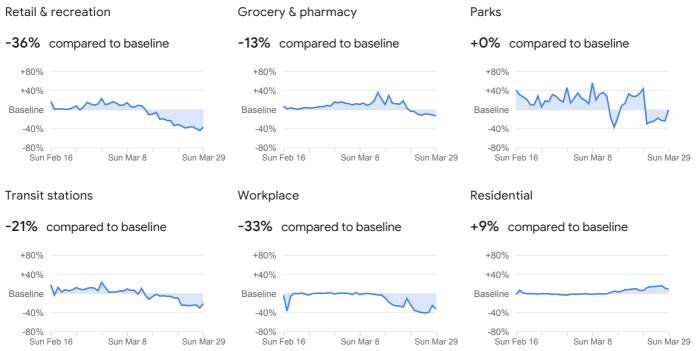
Walla Walla County





Whitman County





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