Japan April 17, 2020

Mobility changes

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

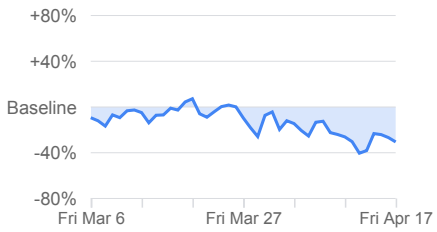
Location accuracy and the understanding of categorized places varies from region to region, so we don't recommend using this data to compare changes between countries, or between regions with different characteristics (e.g. rural versus urban areas).

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

Retail & recreation

-31%

compared to baseline



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

Grocery & pharmacy

+4%

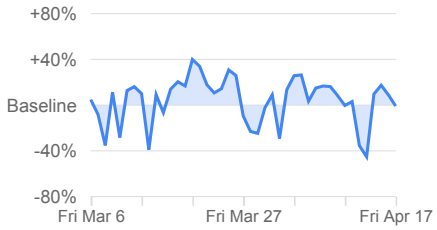
compared to baseline

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

Parks

-1%

compared to baseline



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

Transit stations

-46%

compared to baseline

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

Workplaces

-23%

compared to baseline

Mobility trends for places of work.

Residential

+14%

compared to baseline

Mobility trends for places of residence.

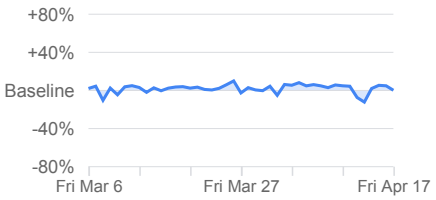
Aichi

Retail & recreation

-29% compared to baseline

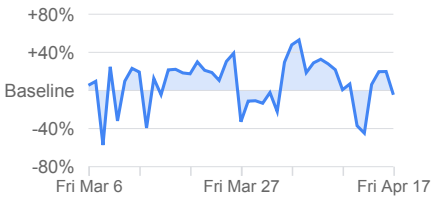
Grocery & pharmacy

+0% compared to baseline



Parks

-5% compared to baseline



Transit stations

-46% compared to baseline

Workplace

-20% compared to baseline

Residential

+14% compared to baseline

Akita

Retail & recreation

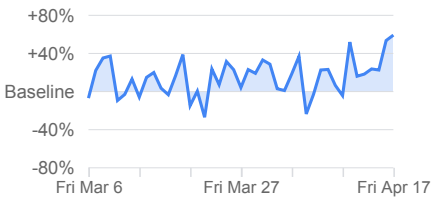
-13% compared to baseline

Grocery & pharmacy

+1% compared to baseline

Parks

+59% compared to baseline



Transit stations

-28% compared to baseline

Workplace

-8% compared to baseline

Residential

+6% compared to baseline

Aomori

Retail & recreation

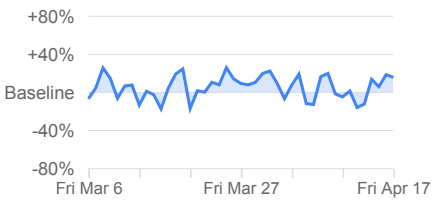
-16% compared to baseline

Grocery & pharmacy

+1% compared to baseline

Parks

+16% compared to baseline

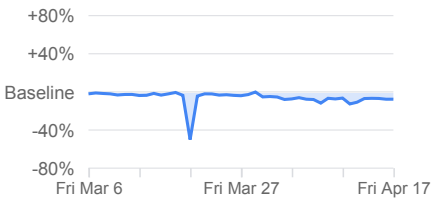


Transit stations

-30% compared to baseline

Workplace

-8% compared to baseline



Residential

+6% compared to baseline

Chiba

Retail & recreation

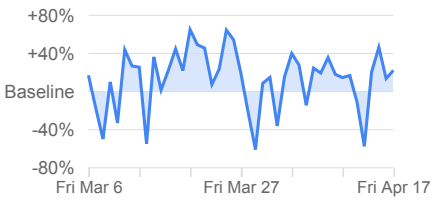
-30% compared to baseline

Grocery & pharmacy

+10% compared to baseline

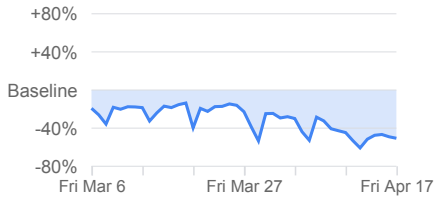
Parks

+22% compared to baseline



Transit stations

-51% compared to baseline

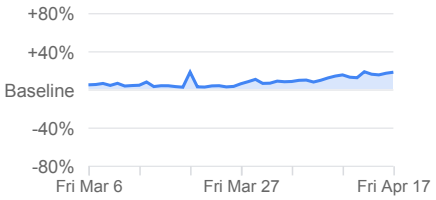


Workplace

-32% compared to baseline

Residential

+19% compared to baseline



Ehime

Retail & recreation

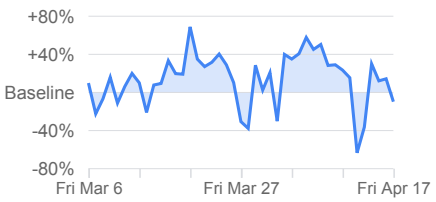
-22% compared to baseline

Grocery & pharmacy

+0% compared to baseline

Parks

-10% compared to baseline

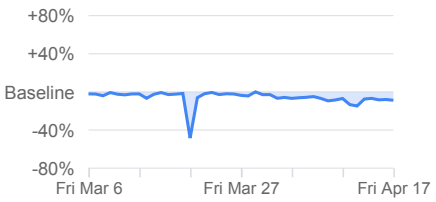


Transit stations

-36% compared to baseline

Workplace

-9% compared to baseline



Residential

+8% compared to baseline

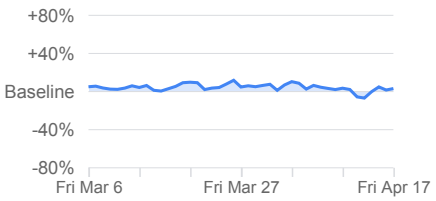
Fukui

Retail & recreation

-29% compared to baseline

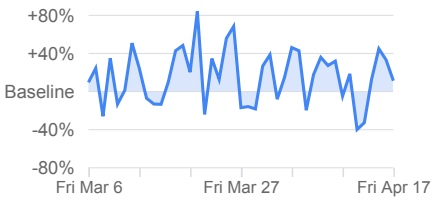
Grocery & pharmacy

+3% compared to baseline



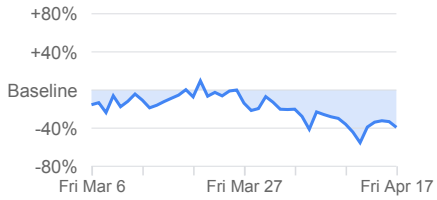
Parks

+11% compared to baseline



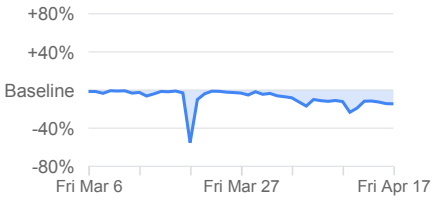
Transit stations

-39% compared to baseline



Workplace

-15% compared to baseline



Residential

+12% compared to baseline

Fukuoka

Retail & recreation

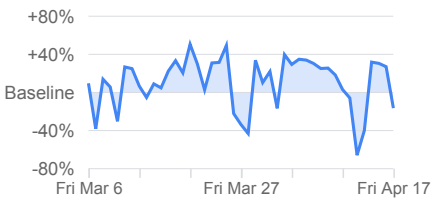
-34% compared to baseline

Grocery & pharmacy

-4% compared to baseline

Parks

-16% compared to baseline



Transit stations

-54% compared to baseline

Workplace

-25% compared to baseline

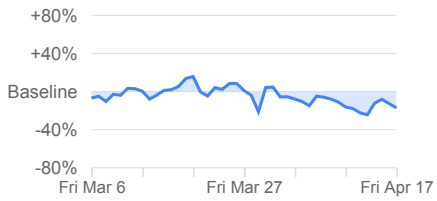
Residential

+16% compared to baseline

Fukushima

Retail & recreation

-17% compared to baseline

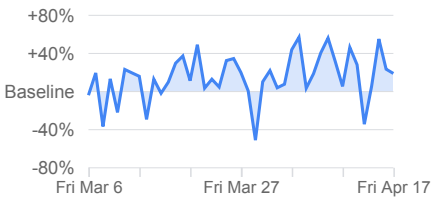


Grocery & pharmacy

+6% compared to baseline

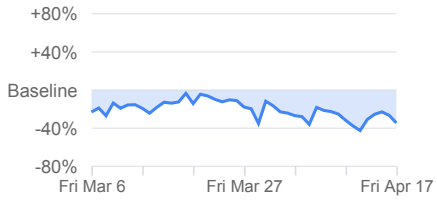
Parks

+19% compared to baseline



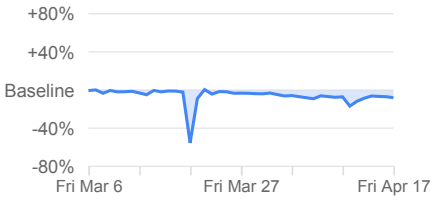
Transit stations

-35% compared to baseline



Workplace

-8% compared to baseline



Residential

+7% compared to baseline

Gifu

Retail & recreation

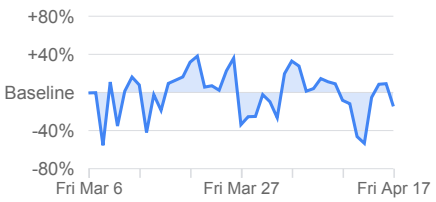
-28% compared to baseline

Grocery & pharmacy

+2% compared to baseline

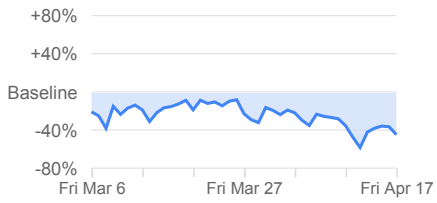
Parks

-15% compared to baseline



Transit stations

-45% compared to baseline



Workplace

-17% compared to baseline

Residential

+12% compared to baseline

Gunma

Retail & recreation

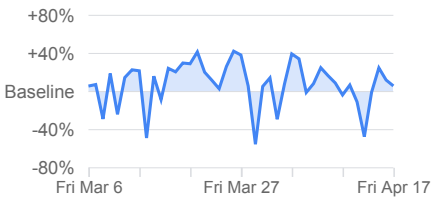
-21% compared to baseline

Grocery & pharmacy

+2% compared to baseline

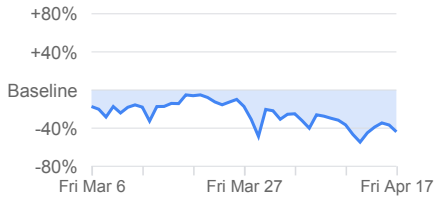
Parks

+6% compared to baseline



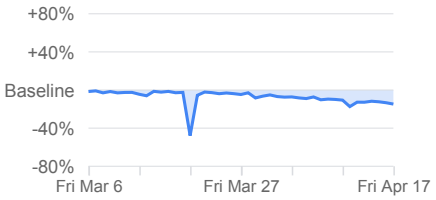
Transit stations

-44% compared to baseline



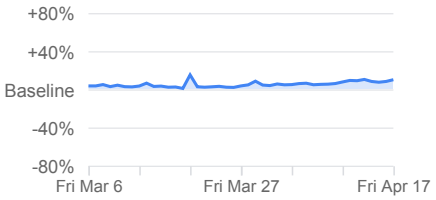
Workplace

-15% compared to baseline



Residential

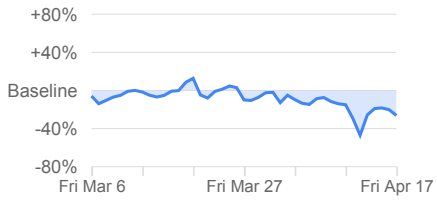
+11% compared to baseline



Hiroshima

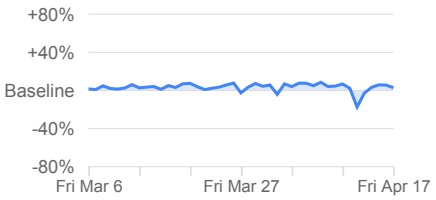
Retail & recreation

-26% compared to baseline



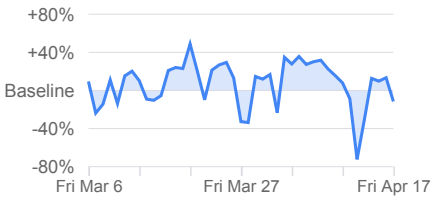
Grocery & pharmacy

+3% compared to baseline



Parks

-12% compared to baseline

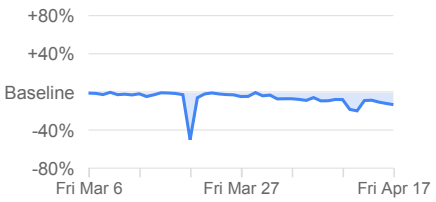


Transit stations

-42% compared to baseline

Workplace

-13% compared to baseline



Residential

+11% compared to baseline

Hokkaido

Retail & recreation

-20% compared to baseline

Grocery & pharmacy

+6% compared to baseline

Parks

+12% compared to baseline

Transit stations

-34% compared to baseline

Workplace

-10% compared to baseline

Residential

+6% compared to baseline

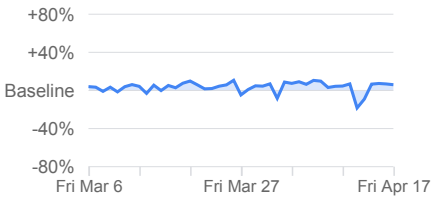
Hyogo

Retail & recreation

-31% compared to baseline

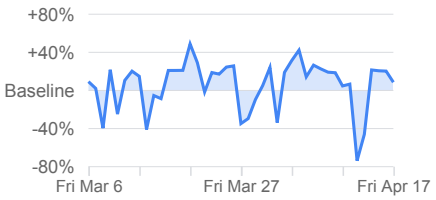
Grocery & pharmacy

+6% compared to baseline



Parks

+9% compared to baseline

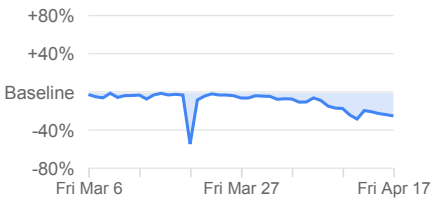


Transit stations

-45% compared to baseline

Workplace

-25% compared to baseline



Residential

+15% compared to baseline

Ibaraki

Retail & recreation

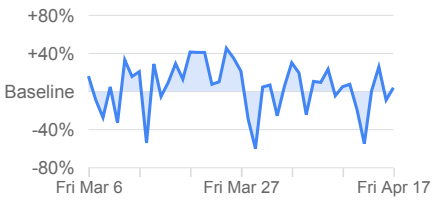
-19% compared to baseline

Grocery & pharmacy

+7% compared to baseline

Parks

+4% compared to baseline

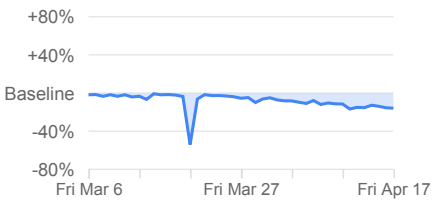


Transit stations

-47% compared to baseline

Workplace

-16% compared to baseline



Residential

+12% compared to baseline

Ishikawa

Retail & recreation

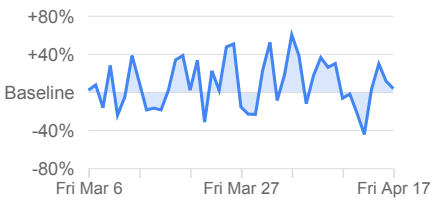
-29% compared to baseline

Grocery & pharmacy

+3% compared to baseline

Parks

+4% compared to baseline



Transit stations

-52% compared to baseline

Workplace

-18% compared to baseline

Residential

+12% compared to baseline

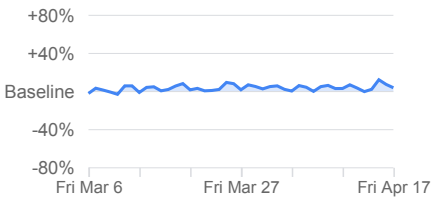
Iwate

Retail & recreation

-12% compared to baseline

Grocery & pharmacy

+4% compared to baseline

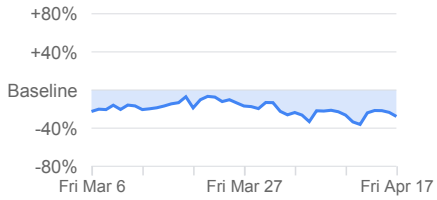


Parks

+25% compared to baseline

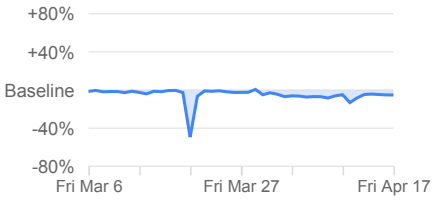
Transit stations

-28% compared to baseline



Workplace

-5% compared to baseline



Residential

+5% compared to baseline

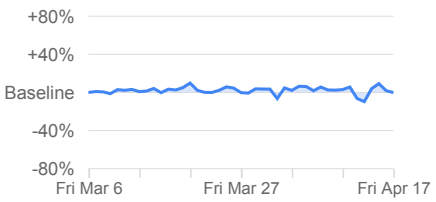
Kagawa

Retail & recreation

-24% compared to baseline

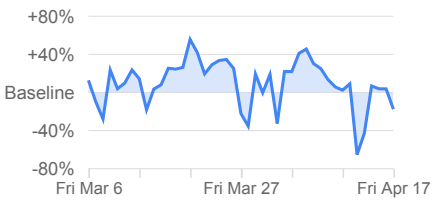
Grocery & pharmacy

+0% compared to baseline



Parks

-18% compared to baseline

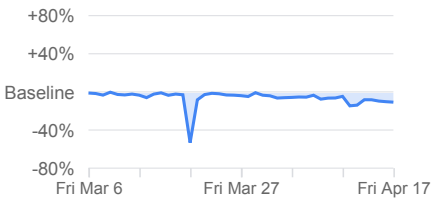


Transit stations

-42% compared to baseline

Workplace

-11% compared to baseline



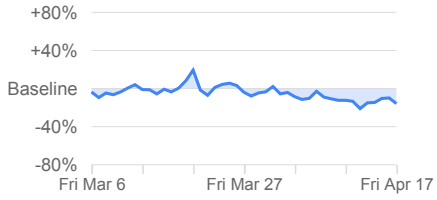
Residential

+9% compared to baseline

Kagoshima

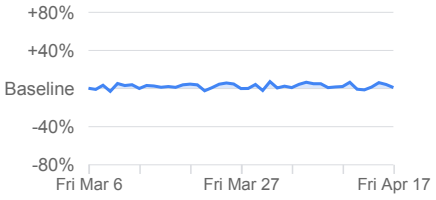
Retail & recreation

-16% compared to baseline



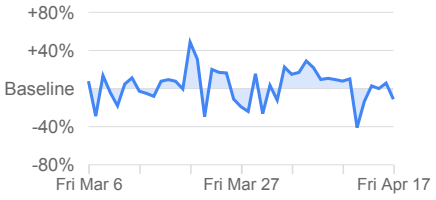
Grocery & pharmacy

+1% compared to baseline



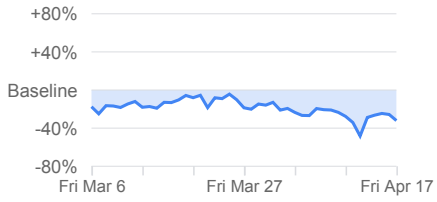
Parks

-11% compared to baseline



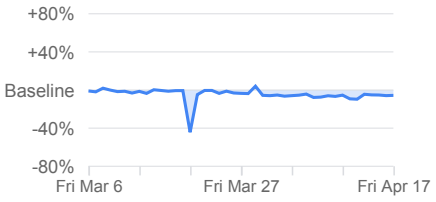
Transit stations

-32% compared to baseline



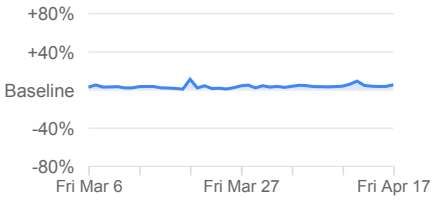
Workplace

-6% compared to baseline



Residential

+6% compared to baseline



Kanagawa

Retail & recreation

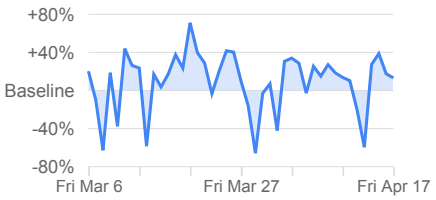
-35% compared to baseline

Grocery & pharmacy

+10% compared to baseline

Parks

+13% compared to baseline



Transit stations

-49% compared to baseline

Workplace

-38% compared to baseline

Residential

+22% compared to baseline

Kochi

Retail & recreation

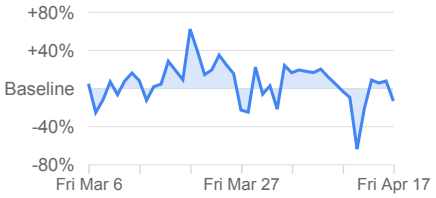
-28% compared to baseline

Grocery & pharmacy

-4% compared to baseline

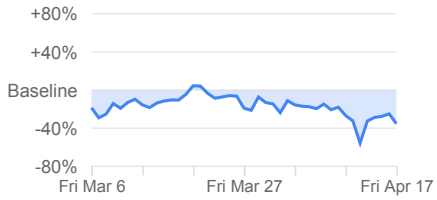
Parks

-13% compared to baseline



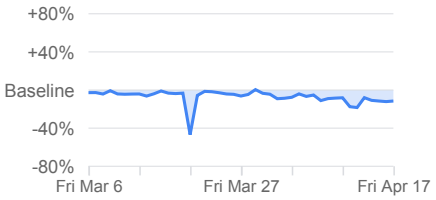
Transit stations

-35% compared to baseline



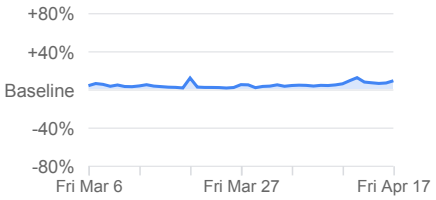
Workplace

-12% compared to baseline



Residential

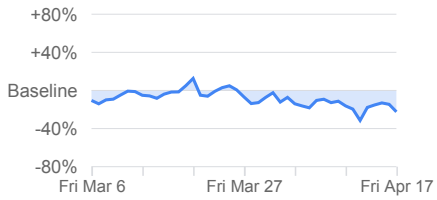
+10% compared to baseline



Kumamoto

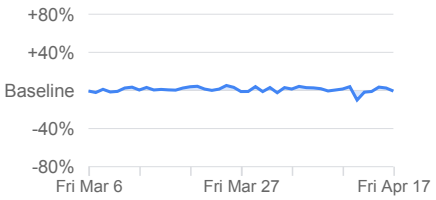
Retail & recreation

-22% compared to baseline



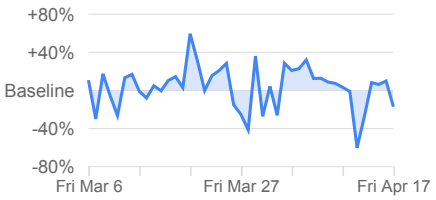
Grocery & pharmacy

-1% compared to baseline



Parks

-17% compared to baseline



Transit stations

-37% compared to baseline

Workplace

-12% compared to baseline

Residential

+10% compared to baseline

Kyoto

Retail & recreation

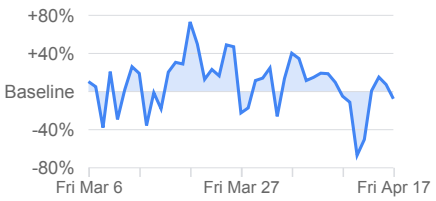
-30% compared to baseline

Grocery & pharmacy

+3% compared to baseline

Parks

-8% compared to baseline

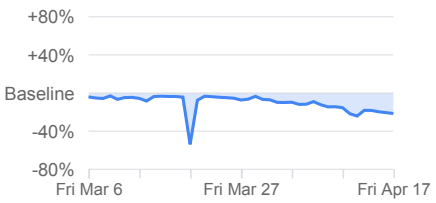


Transit stations

-48% compared to baseline

Workplace

-21% compared to baseline



Residential

+13% compared to baseline

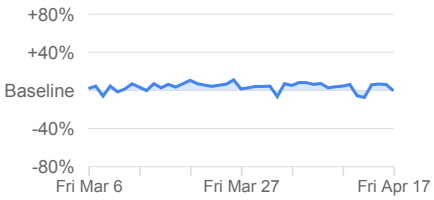
Mie

Retail & recreation

-24% compared to baseline

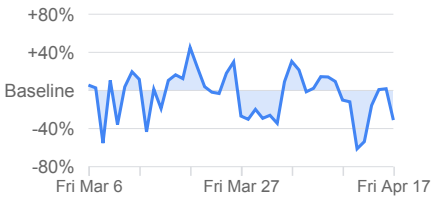
Grocery & pharmacy

+0% compared to baseline



Parks

-31% compared to baseline

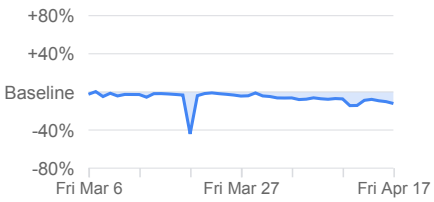


Transit stations

-46% compared to baseline

Workplace

-12% compared to baseline



Residential

+10% compared to baseline

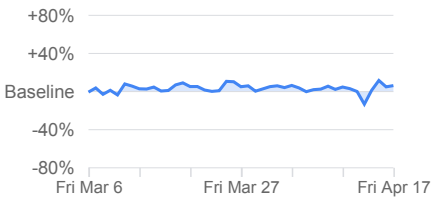
Miyagi

Retail & recreation

-24% compared to baseline

Grocery & pharmacy

+6% compared to baseline



Parks

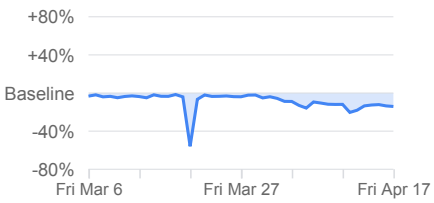
+11% compared to baseline

Transit stations

-43% compared to baseline

Workplace

-14% compared to baseline



Residential

+11% compared to baseline

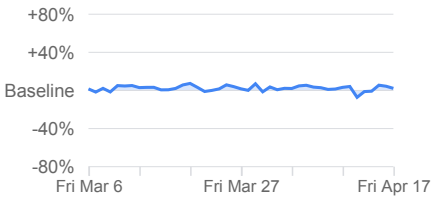
Miyazaki

Retail & recreation

-19% compared to baseline

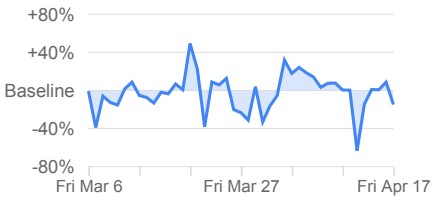
Grocery & pharmacy

+2% compared to baseline



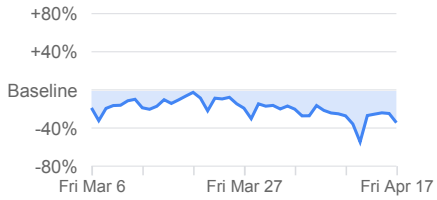
Parks

-15% compared to baseline



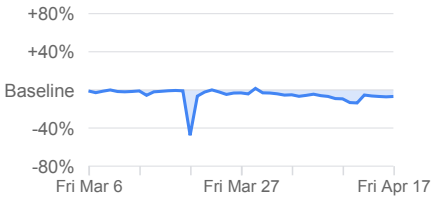
Transit stations

-34% compared to baseline



Workplace

-7% compared to baseline



Residential

+7% compared to baseline

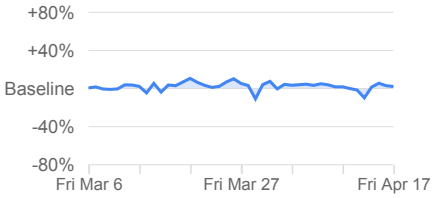
Nagano

Retail & recreation

-24% compared to baseline

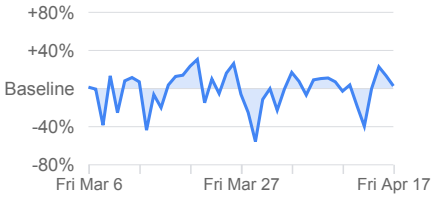
Grocery & pharmacy

+2% compared to baseline



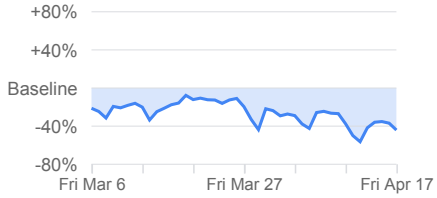
Parks

+3% compared to baseline



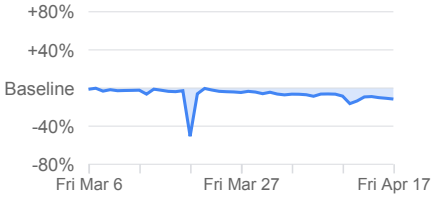
Transit stations

-44% compared to baseline



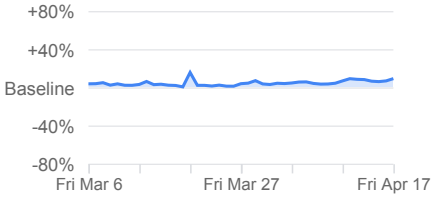
Workplace

-12% compared to baseline



Residential

+10% compared to baseline



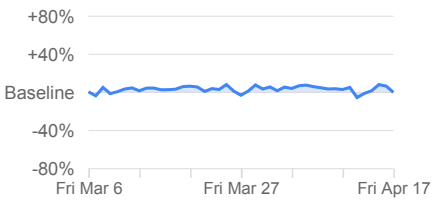
Nagasaki

Retail & recreation

-21% compared to baseline

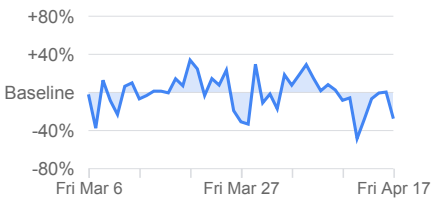
Grocery & pharmacy

+0% compared to baseline



Parks

-27% compared to baseline



Transit stations

-33% compared to baseline

Workplace

-8% compared to baseline

Residential

+8% compared to baseline

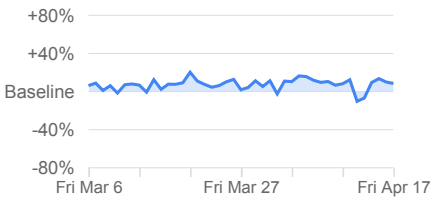
Nara

Retail & recreation

-18% compared to baseline

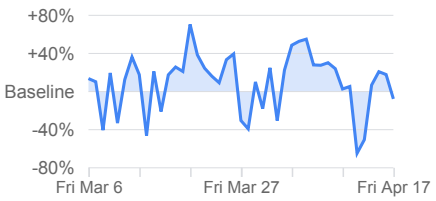
Grocery & pharmacy

+9% compared to baseline



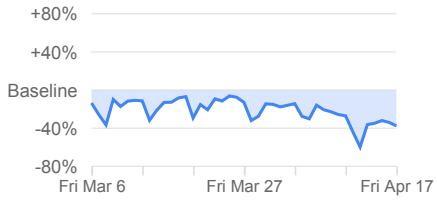
Parks

-8% compared to baseline



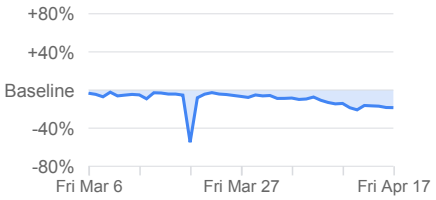
Transit stations

-38% compared to baseline



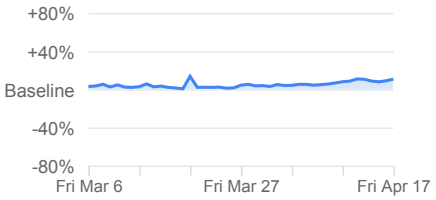
Workplace

-19% compared to baseline



Residential

+11% compared to baseline



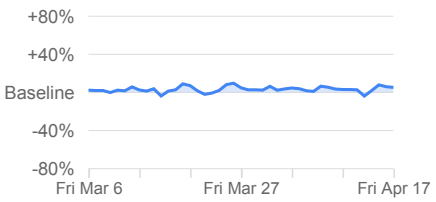
Niigata

Retail & recreation

-14% compared to baseline

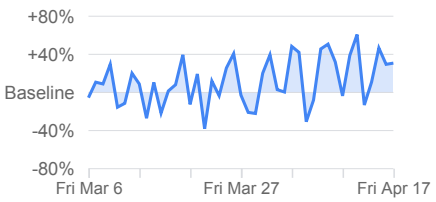
Grocery & pharmacy

+5% compared to baseline



Parks

+31% compared to baseline

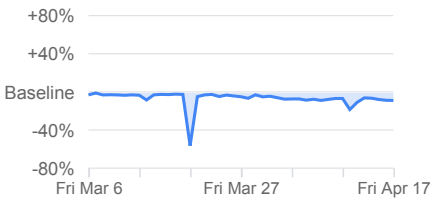


Transit stations

-39% compared to baseline

Workplace

-9% compared to baseline



Residential

+7% compared to baseline

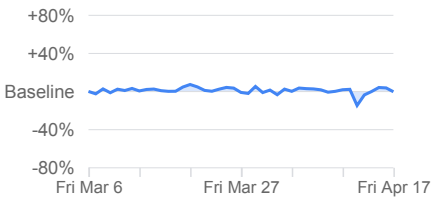
Oita

Retail & recreation

-21% compared to baseline

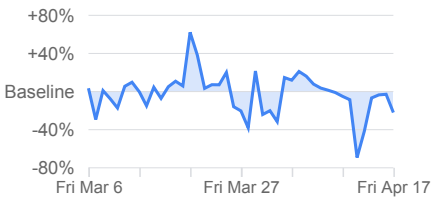
Grocery & pharmacy

+0% compared to baseline



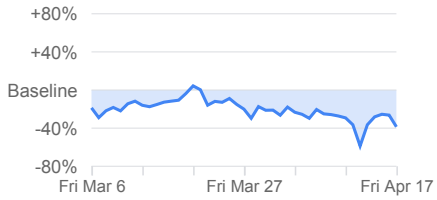
Parks

-22% compared to baseline



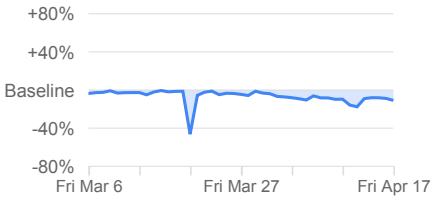
Transit stations

-39% compared to baseline



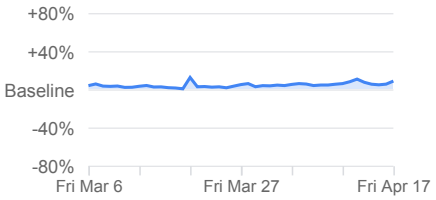
Workplace

-11% compared to baseline



Residential

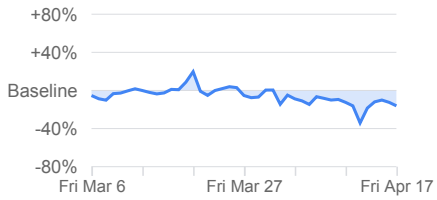
+9% compared to baseline



Okayama

Retail & recreation

-16% compared to baseline

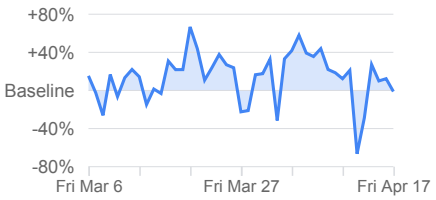


Grocery & pharmacy

+4% compared to baseline

Parks

-1% compared to baseline

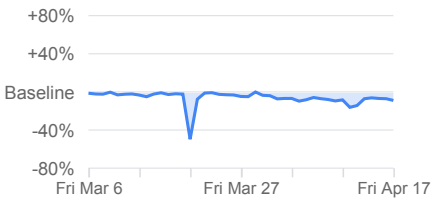


Transit stations

-37% compared to baseline

Workplace

-9% compared to baseline



Residential

+8% compared to baseline

Okinawa

Retail & recreation

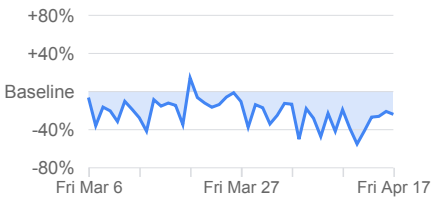
-34% compared to baseline

Grocery & pharmacy

-7% compared to baseline

Parks

-24% compared to baseline



Transit stations

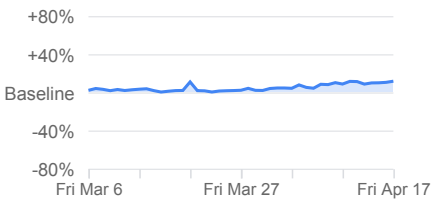
-56% compared to baseline

Workplace

-18% compared to baseline

Residential

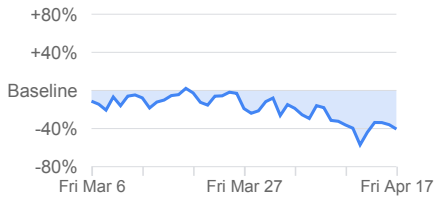
+12% compared to baseline



Osaka

Retail & recreation

-41% compared to baseline

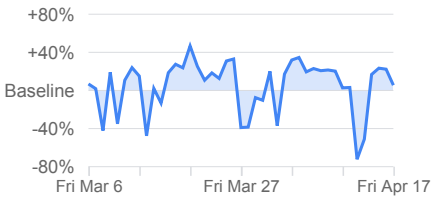


Grocery & pharmacy

+2% compared to baseline

Parks

+6% compared to baseline



Transit stations

-48% compared to baseline

Workplace

-28% compared to baseline

Residential

+16% compared to baseline

Saga

Retail & recreation

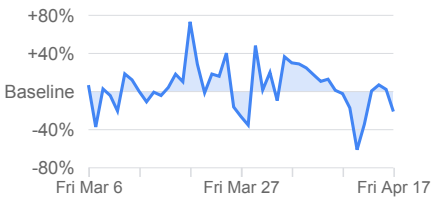
-19% compared to baseline

Grocery & pharmacy

+0% compared to baseline

Parks

-21% compared to baseline

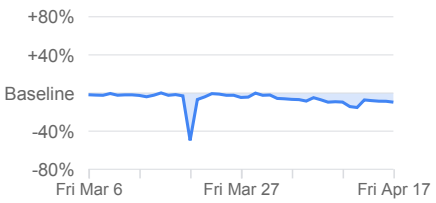


Transit stations

-40% compared to baseline

Workplace

-10% compared to baseline



Residential

+9% compared to baseline

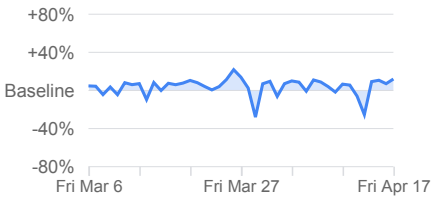
Saitama

Retail & recreation

-26% compared to baseline

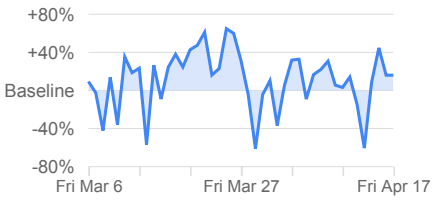
Grocery & pharmacy

+12% compared to baseline



Parks

+16% compared to baseline



Transit stations

-49% compared to baseline

Workplace

-30% compared to baseline

Residential

+18% compared to baseline

Shiga

Retail & recreation

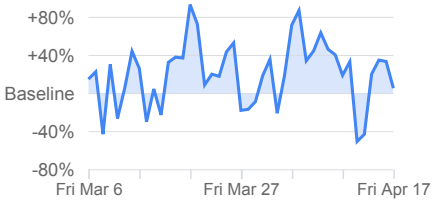
-22% compared to baseline

Grocery & pharmacy

+2% compared to baseline

Parks

+6% compared to baseline



Transit stations

-44% compared to baseline

Workplace

-16% compared to baseline

Residential

+11% compared to baseline

Shimane

Retail & recreation

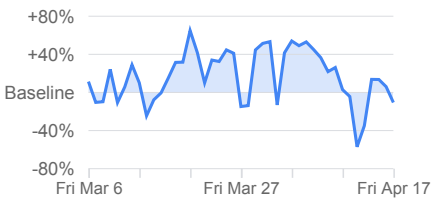
-20% compared to baseline

Grocery & pharmacy

+6% compared to baseline

Parks

-11% compared to baseline



Transit stations

-32% compared to baseline

Workplace

-8% compared to baseline

Residential

+8% compared to baseline

Shizuoka

Retail & recreation

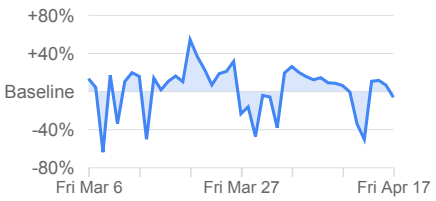
-21% compared to baseline

Grocery & pharmacy

+3% compared to baseline

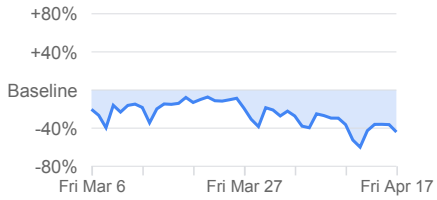
Parks

-6% compared to baseline



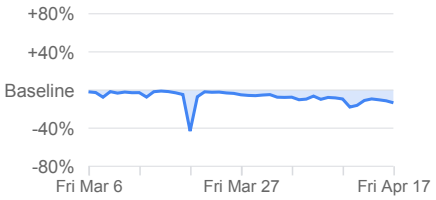
Transit stations

-44% compared to baseline



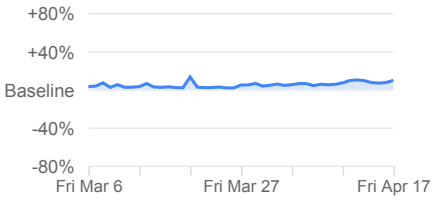
Workplace

-13% compared to baseline



Residential

+10% compared to baseline



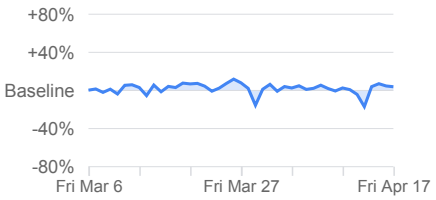
Tochigi

Retail & recreation

-22% compared to baseline

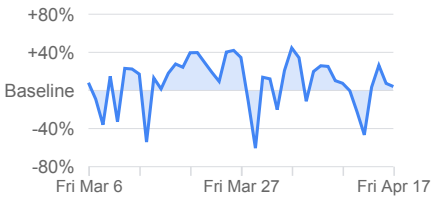
Grocery & pharmacy

+4% compared to baseline



Parks

+4% compared to baseline



Transit stations

-46% compared to baseline

Workplace

-14% compared to baseline

Residential

+11% compared to baseline

Tokushima

Retail & recreation

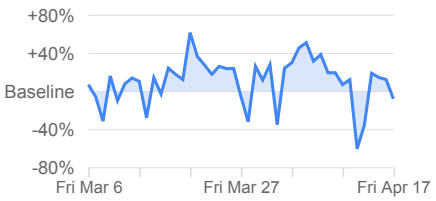
-19% compared to baseline

Grocery & pharmacy

+2% compared to baseline

Parks

-8% compared to baseline



Transit stations

-34% compared to baseline

Workplace

-9% compared to baseline

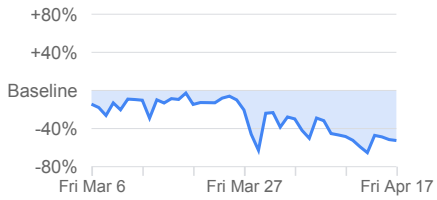
Residential

+7% compared to baseline

Tokyo

Retail & recreation

-53% compared to baseline

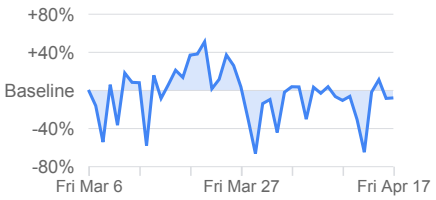


Grocery & pharmacy

+7% compared to baseline

Parks

-8% compared to baseline



Transit stations

-57% compared to baseline

Workplace

-46% compared to baseline

Residential

+26% compared to baseline

Tottori

Retail & recreation

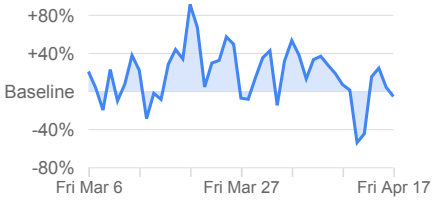
-16% compared to baseline

Grocery & pharmacy

+8% compared to baseline

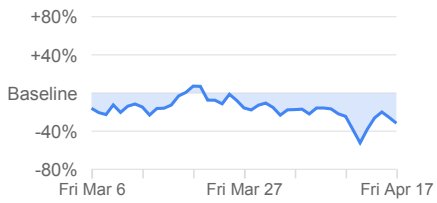
Parks

-5% compared to baseline



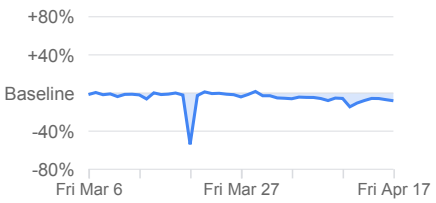
Transit stations

-32% compared to baseline



Workplace

-8% compared to baseline



Residential

+6% compared to baseline

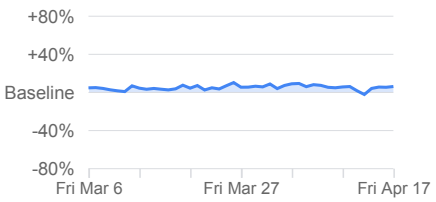
Toyama

Retail & recreation

-23% compared to baseline

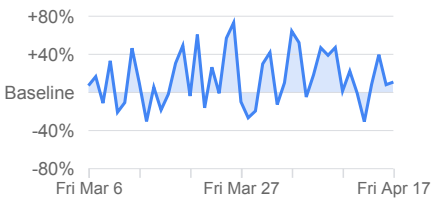
Grocery & pharmacy

+6% compared to baseline



Parks

+11% compared to baseline



Transit stations

-40% compared to baseline

Workplace

-12% compared to baseline

Residential

+10% compared to baseline

Wakayama

Retail & recreation

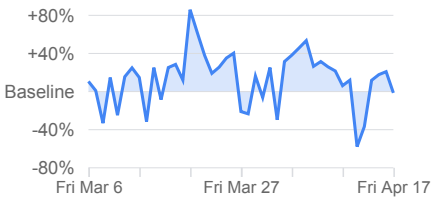
-22% compared to baseline

Grocery & pharmacy

+2% compared to baseline

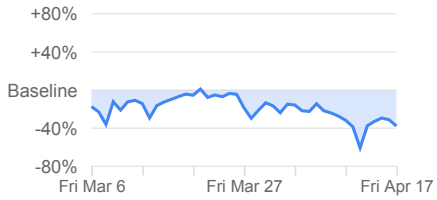
Parks

-1% compared to baseline



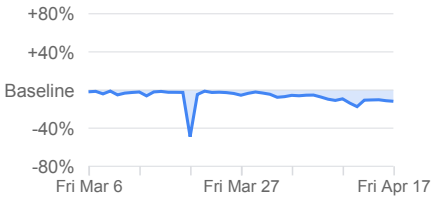
Transit stations

-38% compared to baseline



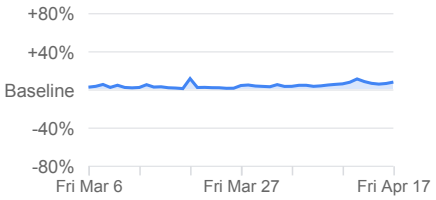
Workplace

-12% compared to baseline



Residential

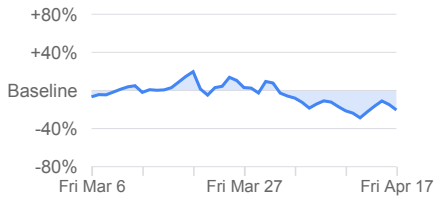
+8% compared to baseline



Yamagata

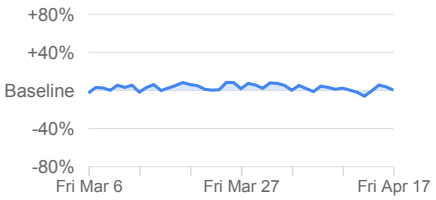
Retail & recreation

-20% compared to baseline



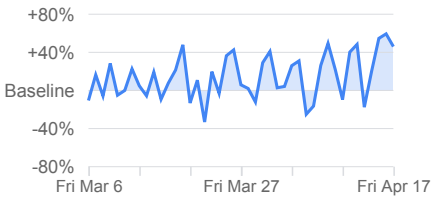
Grocery & pharmacy

+0% compared to baseline



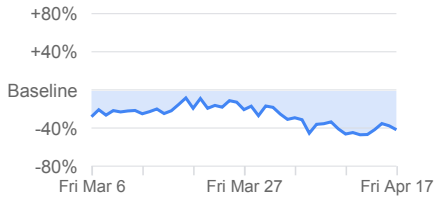
Parks

+46% compared to baseline



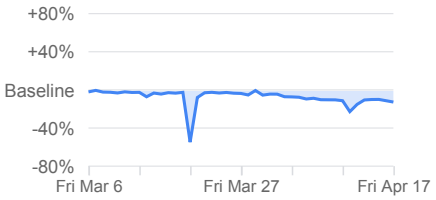
Transit stations

-42% compared to baseline



Workplace

-13% compared to baseline



Residential

+9% compared to baseline

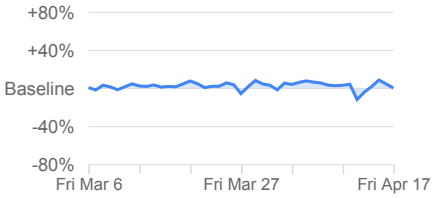
Yamaguchi

Retail & recreation

-23% compared to baseline

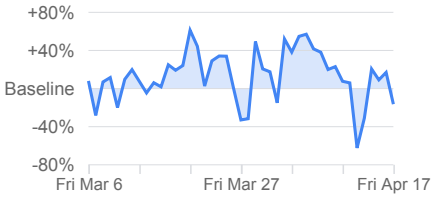
Grocery & pharmacy

+1% compared to baseline



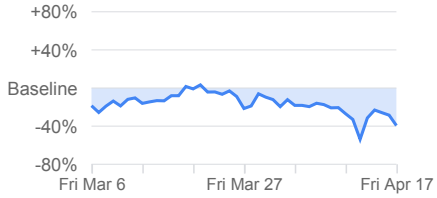
Parks

-16% compared to baseline



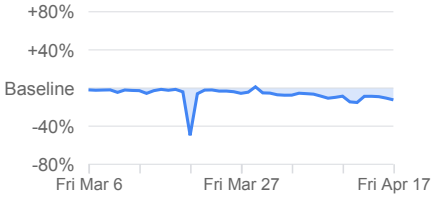
Transit stations

-39% compared to baseline



Workplace

-12% compared to baseline



Residential

+10% compared to baseline

Yamanashi

Retail & recreation

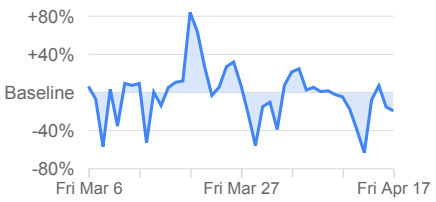
-25% compared to baseline

Grocery & pharmacy

-2% compared to baseline

Parks

-19% compared to baseline

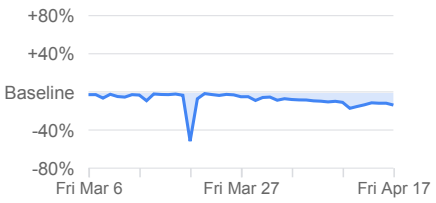


Transit stations

-47% compared to baseline

Workplace

-14% compared to baseline



Residential

+11% compared to baseline

About this data

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

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

- The baseline is the *median* value, for the corresponding day of the week, during the 5-week period Jan 3–Feb 6, 2020.

- The reports show trends over several weeks with the most recent data representing approximately 2-3 days ago—this is how long it takes to produce the reports.

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

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

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

Preserving privacy

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

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

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

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