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.
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Change compared to baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aichi</td>
<td>Retail &amp; recreation</td>
<td>-29%</td>
</tr>
<tr>
<td></td>
<td>Grocery &amp; pharmacy</td>
<td>+0%</td>
</tr>
<tr>
<td></td>
<td>Parks</td>
<td>-5%</td>
</tr>
<tr>
<td></td>
<td>Transit stations</td>
<td>-46%</td>
</tr>
<tr>
<td></td>
<td>Workplace</td>
<td>-20%</td>
</tr>
<tr>
<td></td>
<td>Residential</td>
<td>+14%</td>
</tr>
<tr>
<td>Akita</td>
<td>Retail &amp; recreation</td>
<td>-13%</td>
</tr>
<tr>
<td></td>
<td>Grocery &amp; pharmacy</td>
<td>+1%</td>
</tr>
<tr>
<td></td>
<td>Parks</td>
<td>+59%</td>
</tr>
<tr>
<td></td>
<td>Transit stations</td>
<td>-28%</td>
</tr>
<tr>
<td></td>
<td>Workplace</td>
<td>-8%</td>
</tr>
<tr>
<td></td>
<td>Residential</td>
<td>+6%</td>
</tr>
</tbody>
</table>
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
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
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

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### 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
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
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
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 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