COVID-19 Cases
As of Friday 4/24/2020, 5:00PM HST

Statistics regarding daily new cases and active cases of the six countries that has the highest number of total cases, China, Switzerland, Austria, Israel, South Korea, Australia, and Cyprus.

Source: https://www.worldometers.info/coronavirus/

Statistics regarding daily new cases are also included for Hawaii.

2. Spain

Daily New Cases in Spain

5-Day Moving Average Trendline

Active Cases in Spain
4. France

Note: The numbers for the “Daily New Cases” for the period of 4/3 – 4/16 were changed on April 17 on Worldometers.
5. Germany

Daily New Cases in Germany

Active Cases in Germany

5-Day Moving Average Trendline

Germany vs. 5 per. Mov. Avg. (Daily New Cases)
6. UK

Daily New Cases in the United Kingdom

Active Cases in the United Kingdom

5-Day Moving Average Trendline
Daily New Cases in China

Daily New Cases per Day
Data as of 00:00 GMT+0

5-Day Moving Average Trendline

China

Active Cases in China

Active Cases (Number of Infected People)
Daily New Cases in Switzerland

- **Daily New Cases**
  - Cases per Day
  - Data as of 00:00 GMT+0

- **5-Day Moving Average Trendline**
  - Switzerland
  - 5 per. Mov. Avg. (Daily New Cases)

Active Cases in Switzerland

- **Active Cases**
  - (Number of Infected People)
Trendlines for Austria

5-Day Moving Average Trendline
- Austria
- 5 per. Mov. Avg. (Daily New Cases)

Austria Bar Chart of Daily New Cases from Peak till Today
- Logarithmic Trendline
- when $y = 0; x = 32$
  (April 27)

Logarithmic equation:
$$y = -320.8\ln(x) + 1114.5$$
Daily New Cases in Israel

Active Cases in Israel

Israel
Daily New Cases in South Korea

Daily New Cases
Cases per Day
Data as of 0:00 GMT +0

Active Cases in South Korea
Active Cases
(Number of Infected People)

5-Day Moving Average Trendline
- S Korea
- 5 per. Mov. Avg. (Daily New Cases)
Trendlines for Australia

5-Day Moving Average Trendline

- Australia
- 5 per. Mov. Avg. (Daily New Cases)

Australia Bar Chart of Daily New Cases from Peak till Today

Logarithmic Trendline when $y = 0; \ x = 37$ (April 28)

$y = -162.6\ln(x) + 588.48$
Cyprus

Cyprus Bar Chart of Daily New Cases from Peak Till Today

Logarithmic Trendline
when $y = 0; x = 53$
(May 24)

$y = -13.41\ln(x) + 53.187$
Correlation, $r$ (Between Cyprus and Hawaii) = 0.655
$r$ is significant at $a = 5\%$
Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

5-Day Moving Average Trendline

Worldwide

Active Cases
(Number of Infected People)
<table>
<thead>
<tr>
<th>Country</th>
<th>Daily Cases</th>
<th>Population</th>
<th>Pop./10m</th>
<th>Based on present COVID death rate = present influenza death rate</th>
<th>Linear regression</th>
<th>Logarithmic regression</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>6,740</td>
<td>46,751,178</td>
<td>4.675118</td>
<td>519</td>
<td>6/15/2020</td>
<td>7/5/2021</td>
</tr>
<tr>
<td>Italy</td>
<td>3,021</td>
<td>60,479,460</td>
<td>6.047946</td>
<td>671</td>
<td>5/25/2020</td>
<td>1/26/2022</td>
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<tr>
<td>Germany</td>
<td>1,870</td>
<td>83,730,512</td>
<td>8.373051</td>
<td>929</td>
<td>5/12/2020</td>
<td>7/20/2020</td>
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<tr>
<td>Switzerland</td>
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<td>8,641,938</td>
<td>0.864194</td>
<td>96</td>
<td>5/3/2020</td>
<td>6/26/2020</td>
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<tr>
<td>Austria</td>
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<td>0.899612</td>
<td>100</td>
<td>4/22/2020</td>
<td>4/27/2020</td>
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<td>Australia</td>
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<td>25,440,289</td>
<td>2.544029</td>
<td>282</td>
<td>4/20/2020</td>
<td>4/28/2020</td>
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<td>Israel</td>
<td>225</td>
<td>8,628,141</td>
<td>0.862814</td>
<td>96</td>
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<td>11/3/2020</td>
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<td>Cyprus</td>
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<td>13</td>
<td>4/28/2020</td>
<td>5/24/2020</td>
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<td>France</td>
<td>1,645</td>
<td>65,247,490</td>
<td>6.524749</td>
<td>724</td>
<td>4/29/2020</td>
<td>5/13/2020</td>
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</tbody>
</table>