COVID-19 Cases
As of Monday 4/27/2020, 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.
1. USA

**Daily New Cases in the United States**

<table>
<thead>
<tr>
<th>Daily New Cases</th>
<th>Day Moving Average Trendline</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td></td>
<td>5 per. Mov. Avg. (Daily New Cases)</td>
</tr>
</tbody>
</table>

**Active Cases in the United States**

<table>
<thead>
<tr>
<th>Active Cases</th>
<th>Total Coronavirus Currently Infected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Daily New Cases in Spain

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

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

Active Cases in Spain
Active Cases
(Number of Infected People)
3. Italy

Daily New Cases in Italy

Active Cases in Italy

5-Day Moving Average Trendline
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**

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

**Active Cases in Germany**

- **Active Cases**
- (Number of Infected People)

### 5-Day Moving Average Trendline

- **Germany**
- **5 per. Mov. Avg. (Daily New Cases)**

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- **Daily New Cases**
  - X-axis: Dates from Feb 19 to Apr 27
  - Y-axis: Number of Daily New Cases from 1000 to 8000

- **Active Cases**
  - X-axis: Dates from Feb 15 to Apr 27
  - Y-axis: Total Coronavirus Currently Infected from 0 to 100k
6. UK

Daily New Cases in the United Kingdom

Active Cases in the United Kingdom

5-Day Moving Average Trendline
Daily New Cases in Israel

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

Active Cases in Israel

Active Cases
(Number of Infected People)

Currently Infected
Trendlines for Israel

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

Israel Bar Chart of Daily New Cases from Peak till Today
- Linear Trendline
- when $y = 0; x = 39$ (May 11)

$y = -14.484x + 559.49$
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 $y = 0; x = 34$

(April 29)

$y = -313.5 \ln(x) + 1101.5$
Daily New Cases in South Korea

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

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

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

Active Cases in Australia

Active Cases
(Number of Infected People)
Trendlines for Australia

5-Day Moving Average Trendline

Australia

Day Moving Average Trendline

Australia Bar Chart of Daily New Cases from Peak till Today

Logarithmic Trendline

when y = 0; x = 38
(April 29)

Australia Bar Chart of Daily New Cases from Peak till Today

Logarithmic Trendline

when y = 0; x = 38
(April 29)

y = -161.7ln(x) + 586.78
Daily New Cases in Cyprus

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

Cyprus

y = -13.9ln(x) + 53.984

Cyprus Bar Chart of Daily New Cases from Peak Till Today

Logarithmic Trendline

when y = 0; x = 49
(May 20)
Correlation, $r$ (Between Cyprus and Hawaii) = 0.693

$r$ is significant at $\alpha = 5\%$
Worldwide Daily New Cases

5-Day Moving Average Trendline

Active Cases
(Number of Infected People)
<table>
<thead>
<tr>
<th>Country</th>
<th>Average of Daily New Cases from Last Five Days</th>
<th>Population</th>
<th>Pop./10m</th>
<th>Cut-off of COVID Cases such that COVID death rate = present Influenza death rate</th>
<th>Linear regression</th>
<th>Logarithmic regression</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>4,207</td>
<td>46,751,178</td>
<td>4.675118</td>
<td>519</td>
<td>6/15/2020</td>
<td>3/12/2021</td>
</tr>
<tr>
<td>Italy</td>
<td>2,417</td>
<td>60,479,460</td>
<td>6.047946</td>
<td>671</td>
<td>5/25/2020</td>
<td>6/28/2021</td>
</tr>
<tr>
<td>Germany</td>
<td>1,622</td>
<td>83,730,512</td>
<td>8.373051</td>
<td>929</td>
<td>5/12/2020</td>
<td>6/30/2020</td>
</tr>
<tr>
<td>Switzerland</td>
<td>179</td>
<td>8,641,938</td>
<td>0.864194</td>
<td>96</td>
<td>5/3/2020</td>
<td>6/15/2020</td>
</tr>
<tr>
<td>Austria</td>
<td>70</td>
<td>8,996,119</td>
<td>0.899612</td>
<td>100</td>
<td>4/24/2020</td>
<td>4/29/2020</td>
</tr>
<tr>
<td>Israel</td>
<td>211</td>
<td>8,628,141</td>
<td>0.862814</td>
<td>96</td>
<td>5/11/2020</td>
<td>8/22/2020</td>
</tr>
<tr>
<td>Cyprus</td>
<td>6</td>
<td>1,205,766</td>
<td>0.120576</td>
<td>13</td>
<td>4/28/2020</td>
<td>5/20/2020</td>
</tr>
<tr>
<td>France</td>
<td>1,980</td>
<td>65,247,490</td>
<td>6.524749</td>
<td>724</td>
<td>5/1/2020</td>
<td>5/16/2020</td>
</tr>
</tbody>
</table>