COVID-19 Cases
As of Wednesday 4/22/2020, 5:00PM HST

Statistics regarding daily new cases and active cases of the six countries that has the highest number of total cases, Iran, 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

Active Cases in Spain

5-Day Moving Average Trendline

- Spain
- 5 per. Mov. Avg. (Daily New Cases)
Daily New Cases in Italy

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

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

Active Cases in Italy

- **Active Cases**
  - (Number of Infected People)
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
- 5 per. Mov. Avg. (Daily New Cases)
5-Day Moving Average Trendline

Iran

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

Iran Bar Chart of Daily New Cases from Peak Till Today

Linear Trendline

when \( y = 0; x = 36 \)

(May 05)

\[
y = -86.132x + 3063.6
\]
Trendlines for Austria

5-Day Moving Average Trendline

Austria Bar Chart of Daily New Cases from Peak till Today

Logarithmic Trendline when $y = 0$; $x = 32$

(April 27)

$y = -325.2\ln(x) + 1122$
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)
Trendlines for Israel

5-Day Moving Average Trendline

Israel

Day Moving Average Trendline (Daily New Cases)

y = -13.987x + 554.14

Israel Bar Chart of Daily New Cases from Peak till Today

Linear Trendline

when y = 0; x = 40
(May 12)
Daily New Cases in South Korea

Active Cases in South Korea
Australia

Daily New Cases in Australia

Active Cases in Australia
Trendlines for Australia

Australia Bar Chart of Daily New Cases from Peak till Today

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

\[ y = -162.2\ln(x) + 587.79 \]
Correlation, $r$ (Between Cyprus and Hawaii) = 0.627
$r$ is significant at $a = 5\%$
<table>
<thead>
<tr>
<th>Country</th>
<th>Daily Cases</th>
<th>Population</th>
<th>Pop/10m</th>
<th>Cut off for logarithmic regression</th>
<th>Linear regression</th>
<th>Logarithmic regression</th>
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<td>4,211</td>
<td>46,751,178</td>
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