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

Source: [https://www.worldometers.info/coronavirus/](https://www.worldometers.info/coronavirus/)

Statistics regarding daily new cases are also included for Hawaii.

Daily New Cases in the United States

3-Day Moving Average Trendline

Active Cases in the United States
2. Spain
3-Day Moving Average Trendline

Spain 3 per. Mov. Avg. (Daily New Cases)

Spain Bar Chart of Daily New Cases from Peak till Today

Linear Trendline
when $y = 0; x = 39$
(May 04)
3. Italy
Trendlines for Italy

### Linear Trendline
When $y = 0; x = 50$
(May 10)

### 3-Day Moving Average Trendline
- **Italy**
- **3 per. Mov. Avg. (Daily New Cases)**
4. Germany
Trendlines for Germany

Linear Trendline
when $y = 0; x = 48$
(May 14)

$y = -132.1x + 6297.7$
5. France

- Daily New Cases in France
- Active Cases in France
- 3-Day Moving Average Trendline
6. China

**Daily New Cases in China**

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

**Active Cases in China**

- **Active Cases**
  - (Number of Infected People)
7. Iran
Trendlines for Iran

3-Day Moving Average Trendline

Iran Bar Chart of Daily New Cases from Peak Till Today

Linear Trendline
when $y = 0; x = 23$
(April 22)
Daily New Cases in the United Kingdom

3-Day Moving Average Trendline

Active Cases in the United Kingdom

8. UK
Switzerland Bar Chart of Daily New Cases from Peak till Today

Linear Trendline when y = 0; x = 51 (May 10)

y = -23.322x + 1200.8

3-Day Moving Average Trendline
Daily New Cases in Austria

Active Cases in Austria
Trendlines for Austria

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

Austria Bar Chart of Daily New Cases from Peak till Today
- Linear Trendline
- when \( y = 0; x = 18 \)
- (April 13)

Equation: \( y = -52.546x + 930.77 \)
Daily New Cases in Israel

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

Active Cases in Israel
Active Cases
(Number of Infected People)
Trendlines for Israel

3-Day Moving Average Trendline

Day Moving Average Trendline

Israel Bar Chart of Daily New Cases from Peak till Today

Linear Trendline
when $y = 0; x = 15$
(April 17)
Daily New Cases in Australia

Active Cases in Australia

Australia
Trendlines for Australia

3-Day Moving Average Trendline

Australia
3 per. Mov. Avg. (Daily New Cases)

Day Moving Average Trendline

Australia

Daily New Cases

Australia Bar Chart of Daily New Cases from Peak till Today

Linear Trendline

when y = 0; x = 23
(April 14)
Correlation, $r$ (Between Cyprus and Hawaii) = 0.650

$r$ is significant at $\alpha = 5\%$
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Table 1.a
GROWTH IN NEW CASES SINCE THE DAY BEFORE
Table 1.b

**AVERAGE GROWTH OF LAST FIVE DAYS**

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COVID-19
‘MODIFIED’ CONTROL CHART ANALYSIS
‘Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (from 4/7/20 to 4/9/20) are below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Italy.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (from 4/5/20 to 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Italy. A good ‘out-of-control’ sign.

- Nine successive points are on one side of the centerline.
  - The last nine points (from 4/1/20 to 4/9/20) are all on one side (below) of the centerline. This good ‘out-of-control’ pattern suggests that the daily COVID-19 cases in Italy are stabilizing in a positive direction.
Spain

‘Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (from 4/7/20 to 4/9/20) are below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Spain. Also, the regressed trend line from 3/26/20 has a downward slope.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (from 4/5/20 to 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Spain. A good ‘out-of-control’ sign.
Germany

‘Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - Two points (4/7/20 and 4/9/20) are below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Germany. Also, a linear trend line with a downward slope can be observed from 3/27/20.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - Four points (4/5/20 to 4/7/20, 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Germany. A good ‘out-of-control’ sign.
Switzerland

‘Modified’ Control Chart Analysis:
- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - Two points (4/7/20 and 4/9/20) are below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Switzerland.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - Four points (4/5/20 - 4/7/20, 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Switzerland. A good ‘out-of-control’ sign.
‘Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (from 4/7/20 to 4/9/20) are below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Australia. This is a good pattern. Also, a linear trend line with a downward slope can be observed from 3/22/20.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (from 4/5/20 to 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Australia. A good ‘out-of-control’ sign.
Austria

‘Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (from 4/7/20 to 4/9/20) are below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Austria. This is a good ‘out-of-control’ pattern.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (from 4/5/20 to 4/9/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Austria. A good ‘out-of-control’ sign. Also, a linear trend line with a downward slope can be observed from 3/26/20.
'Modified’ Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - Three successive points (from 4/6/20 to 4/8/20) are below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Israel. This is a good ‘out-of-control’ pattern. Also, a linear trend line with a downward slope can be observed from 4/2/20.

- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - Four points (4/4/20, 4/6/20 - 4/8/20) are all below the control line, which suggests an ‘out-of-control’ pattern for COVID-19 cases in Israel. A good ‘out-of-control’ sign.