

COVID-19 in Italy: a province-based analysis

Cumulative Cases and Cumulative Rates for different provinces

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Notes and Example

The following plot aims to compare the series for the different provinces. The comparison is made on the basis of the cumulative cases and on the cumulative rates per 100000 inhabitants calculated as:

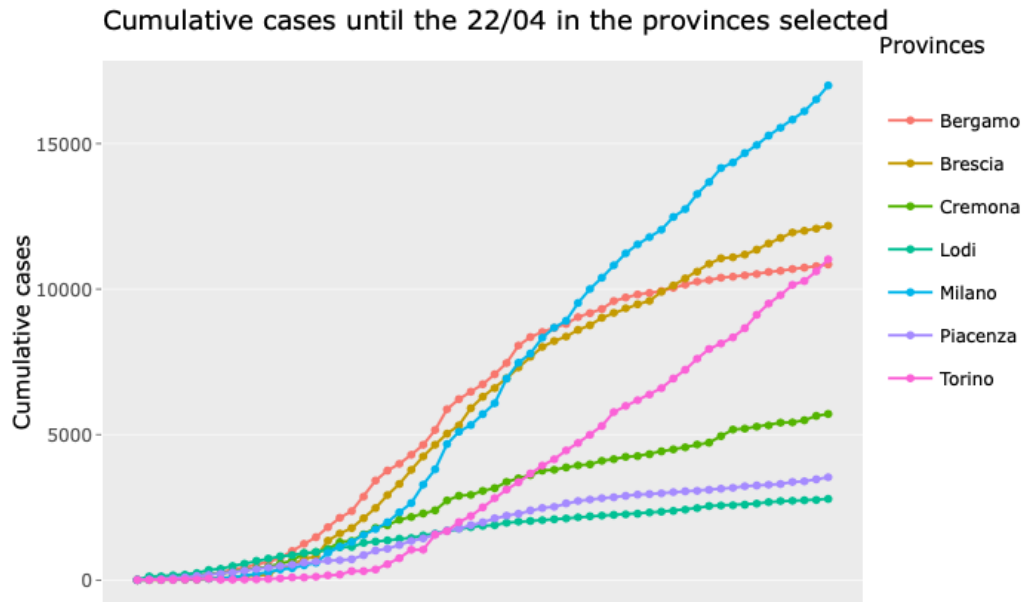
$$\frac{Cases^1}{Population^2} * 100000 \quad (1)$$

It is possible to select the provinces to be compared (also belonging to different regions) on one of the two measures. In the example we have chosen to represent Milan, Bergamo, Brescia, Cremona, Lodi, Turin and Piacenza, the cities most affected in Italy by Covid19.

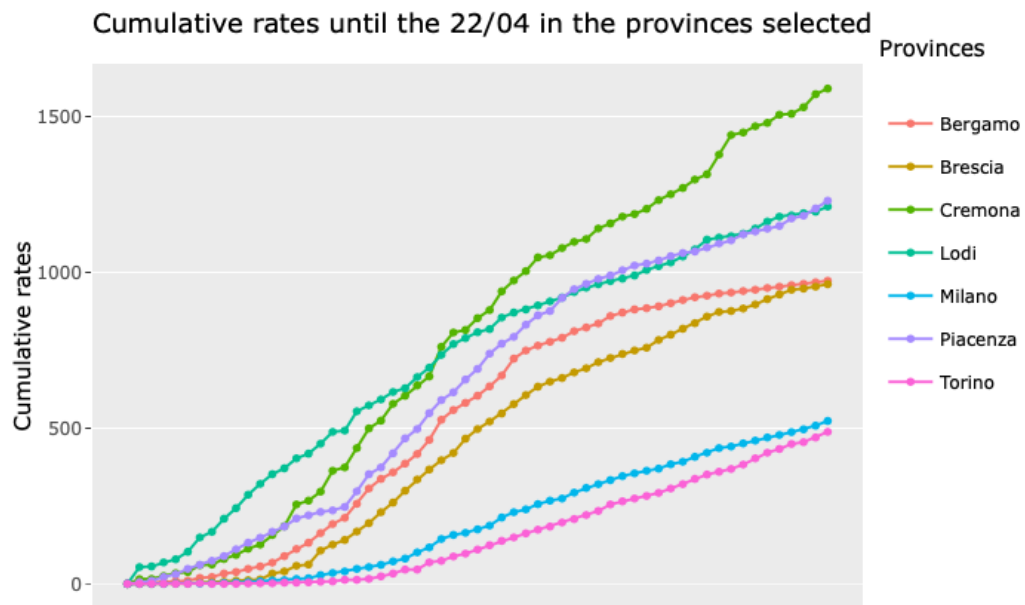
It can be seen that considering the absolute values (a), Milan is the most affected city among those represented, with 17000 cases, followed by Brescia, Turin and Bergamo and finally Cremona, Piacenza and Lodi. If you look instead at the cumulative rates (b), Cremona stands out with 1590 cases per 100000 inhabitants, followed by Piacenza and Lodi with 1230 and 1211, followed by Bergamo, Brescia and finally Turin with 470 and Milan with 523.

²Ministry of Health

²ISTAT



(a)



(b)