The effects of physical distancing and lockdown to restrain SARS-CoV-2 outbreak in the Italian Municipality of Cogne

written by Fabio Truc e Gianpiero Gervino | 1 Aprile 2021

ABSTRACT

The outbreak of SARS-CoV-2 started in Wuhan, China, and is now a pandemic. An understanding of the prevalence and contagiousness of the disease, and of whether the strategies used to contain it to date have been successful, is important for understanding future containment strategies. One strategy for controlling the spread of SARS-CoV-2 is to adopt strong social distancing policies. The Municipality of Cogne (I), adopted strict lockdown rules from March 4, 2020 up to May 18, 2020. This first wave of the pandemic impressed by the extremely low impact of the SARS-CoV-2 on the locals, compared to the number accused on all the Italian territory. Starting from October 2020 up to the end of December, when the second wave hit Italy and Cogne territory, heavier effects were observed. In order to cast light on the effectiveness of the adopted strategy 74,5% of the local population underwent to a blood screening to detect IgM and IgG antibodies and after six months all the people tested positive were again investigated to establish the longitudinal changes in antibodies level. Moreover, within the context of this survey a rare and interesting case of secondary infection has been identified and here presented.

Continua a leggere l’articolo.