

# Modelling the evolution of the Covid-19

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The COVID19 crisis has been affected by the need for more information as it is an unknown virus. Until there have been further infections, it has not been known how it affected the morbidity and mortality of different population groups, nor the most relevant environmental and social factors. Moreover, strategies to suppress the virus are only effective if social distancing is observed.

In the framework of this key note, two fundamental aspects will be dealt with (1) those factors that influence morbidity and mortality will be analysed and evaluated, collecting data from isolation, through triage, and up to the result of the test and (2) tools and strategies that guarantee social distancing will be presented by means of digital identities based on blockchain that allow monitoring compliance.

A model of the evolution of the virus according to population flows will be presented. It will also be shown how these models are extrapolated to future pandemics and other viruses [0-205].

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