

Iran COVID-19 epidemic models situation report No 40 – 2022-01-30

Farshad Pourmalek MD PhD

Former lecturer, University of British Columbia, Vancouver | [UBC SPPH](#) | [ORCID](#) | [PubMed](#)
pourmalek_farshad@yahoo.com

**Combine and visualize international periodically updated estimates of
COVID-19 pandemic
at the country level, countries without subnational level estimates
Iran**

Based on uptake 20220130 in <https://github.com/pourmalek/covir2>

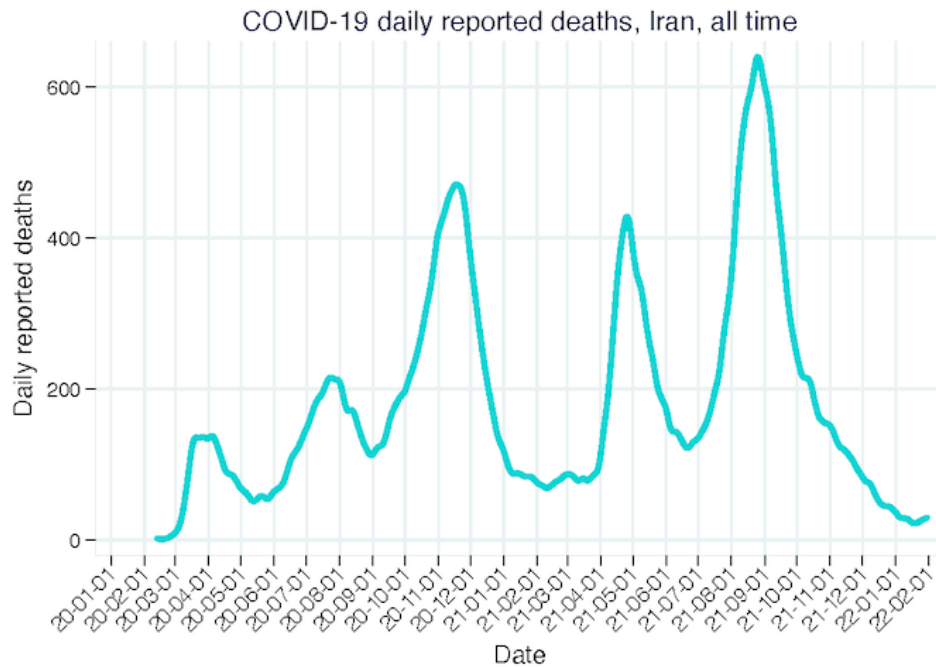
JOHN HOPKINS only in uptake 20220130.

IHME and IMPE models have not been updated since the previous uptake of CovidVisualizedGlobal, and the SRIV model updated estimates are highly implausible.

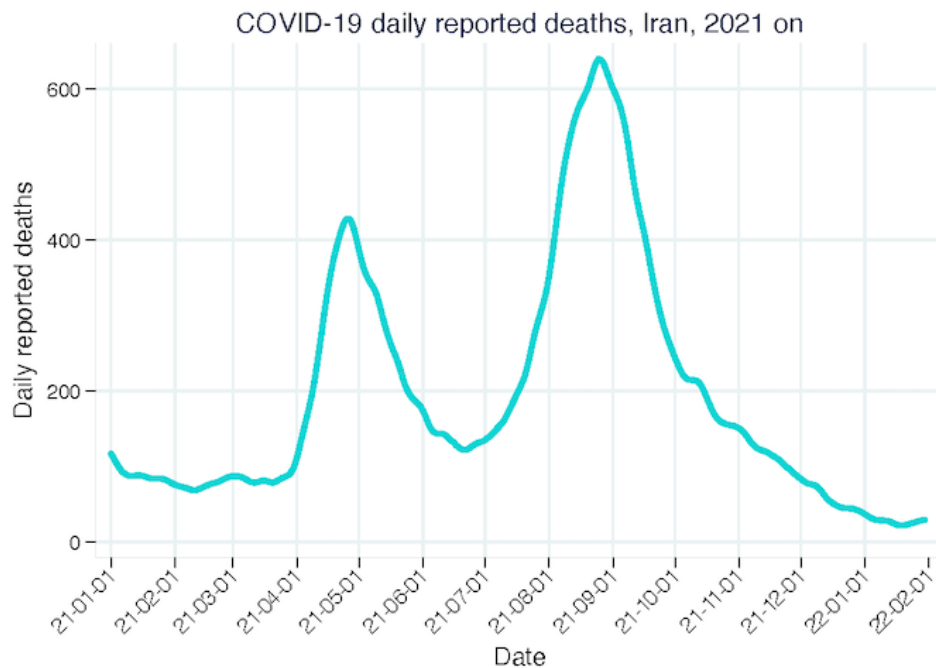
The rate of increase in daily cases in the first 25 days of the sixth wave is about **two times** that of the fifth wave (graph 8 below).

Selected graphs

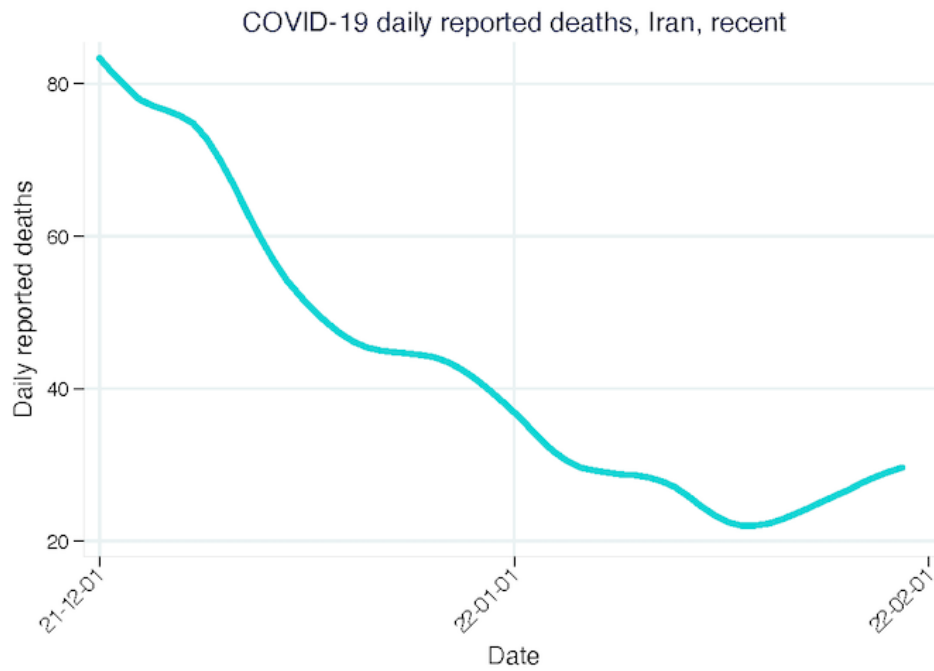
(1) Iran [Daily reported deaths, all time](#)



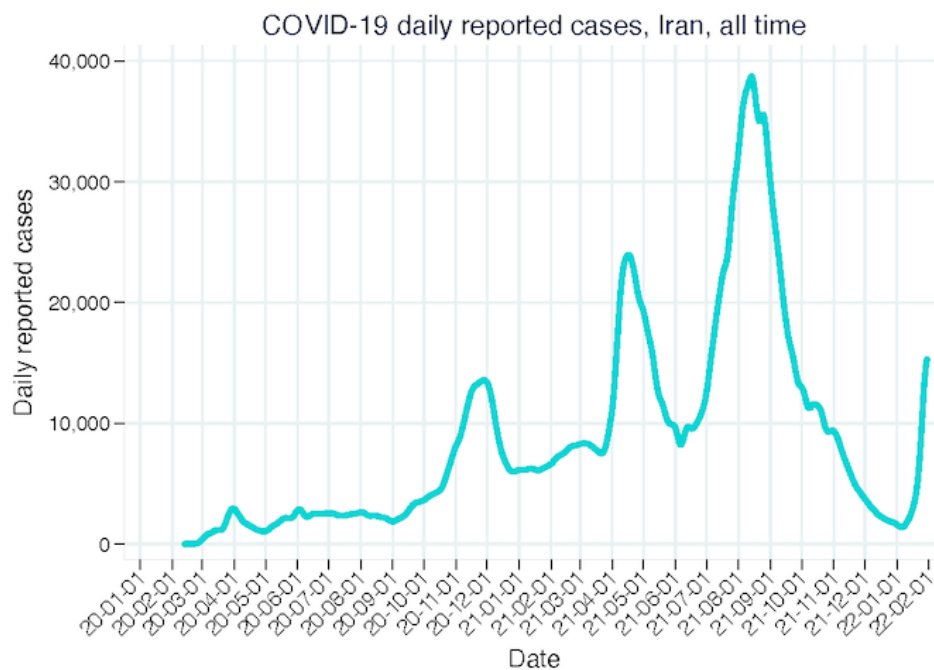
(2) Iran [Daily reported deaths, 2021 on](#)



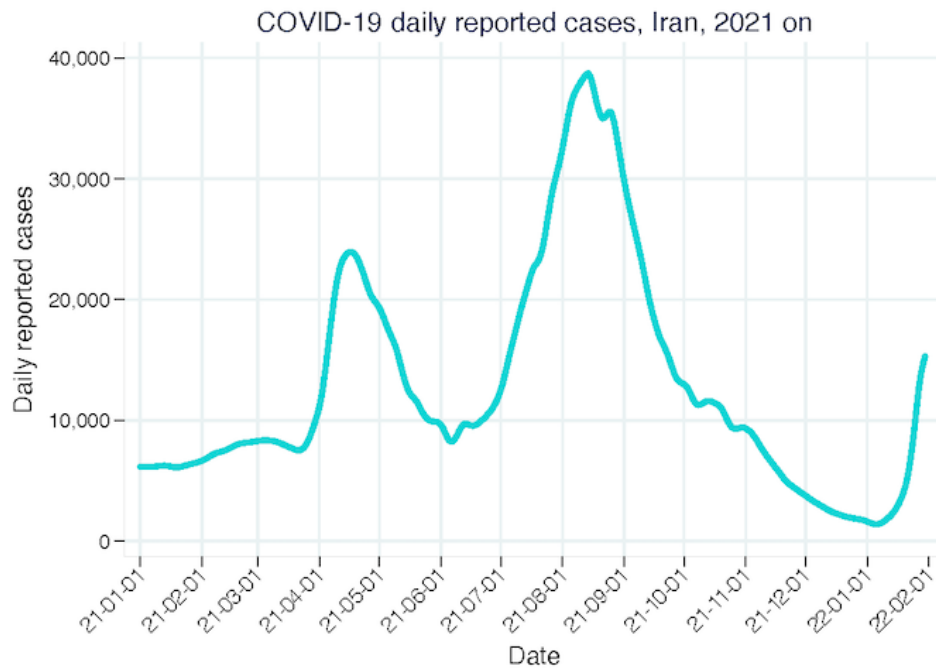
(3) Iran [Daily reported deaths, recent](#)



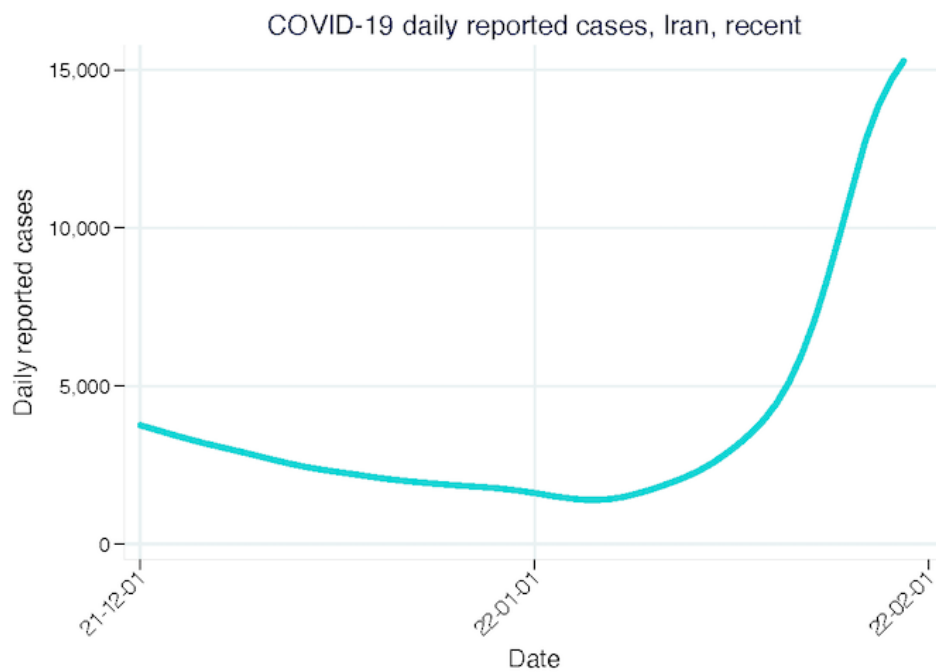
(4) Iran [Daily reported cases, all time](#)



(5) Iran [Daily reported cases, 2021 on](#)

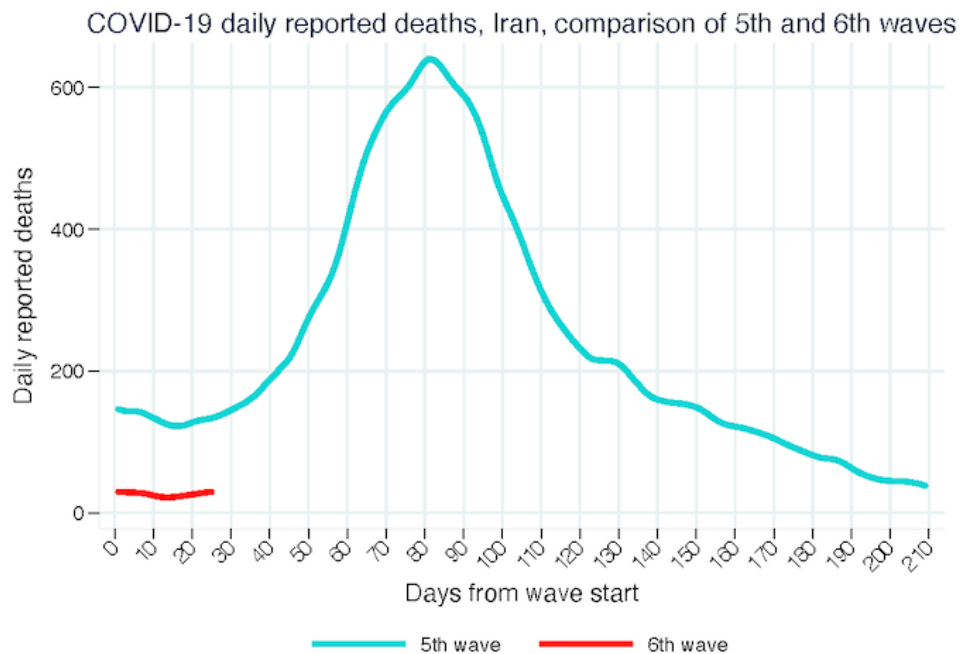


(6) Iran [Daily reported cases, recent](#)



(7) Iran [Daily reported deaths, Comparison of 5th and 6th waves](#)

In days 1 and 25 of each wave, smoothed reported daily death were respectively 146 and 133 in the 5th wave, and 23 and 23 in the sixth wave. Rise of daily deaths lags rise of daily cases.



(8) Iran [Daily reported cases, Comparison of 5th and 6th waves](#)

Absolute Percent change = $100 * (|Old - New|) / Old = 100 * (|8231 - 12035|) / 8231 = 46.2$ for 5th wave and $100 * (|1399 - 15279|) / 15279 = 90.8$ for 6th wave. $90.8 / 46.2 = 1.97$ or about **two times** more. The rate of increase in daily cases in the first 25 days of the sixth wave is about **two times** that of the fifth wave.

