

Epidemic curve from outbreak of COVID-19 in Rwanda

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From December, the novel coronavirus disease 2019 (Novel COVID-19) is progressing worldwide. As of April 22, 2020, an estimate of 2.6 million cases were confirmed of which 185,166 deaths were recorded worldwide at <https://www.coronatracker.com/>. In Africa, the first case was identified on February 14, 2020 in Egypt and it took 30 more days to have the first patient confirmed positive to Covid-19 in Rwanda [1]. Here, we present a graphic depiction of the number of cases by date of case confirmation.

Data on all confirmed cases reported in Rwanda between March 14 and April 22, 2020 were extracted from electronic medical records system. Cases were being confirmed as infected by SARS-CoV-2 by real time RT-PCR [2].

A total of 153 individuals with laboratory-confirmed cases of Covid-19 were identified. 82 (54.2%) cases were recorded from people with travel history in 14 days preceding the date of first case confirmation. Currently 84 (54.9%) patients have recovered and were discharged from the treatment centers [3]. As the number of imported cases was increasing, on March 21, 2020, Rwanda announced country lockdown and started to test people with travel history, and their contacts of those who tested positive to COVID-19 [2,4].

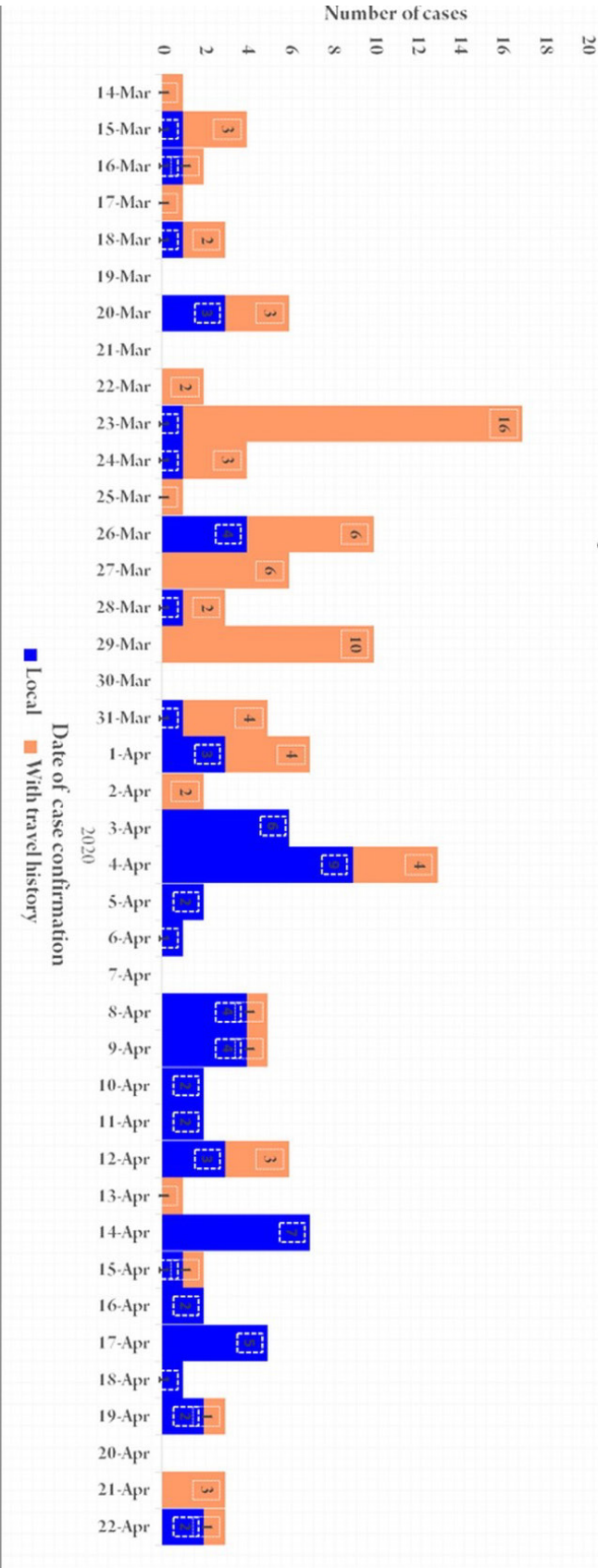


Figure 1: Epidemic curve from outbreak of COVID-19 in Rwanda

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REFERENCE

[1] W. Is and S. Stigma, Social Stigma associated with COVID-19 A guide to preventing and addressing, no. February, pp. 1–5, 2020.

[2] Ministry of Health Rwanda, standard operating procedures for covid-19 outbreak preparedness, pp. 1–84.

[3] Ministry of Health Rwanda, Updates on COVID-19 Rwanda-25 April 2020.

[4] Office of the Prime Minister Republic of Rwanda, “Announcement on enhanced COVID-19 prevention measures.