










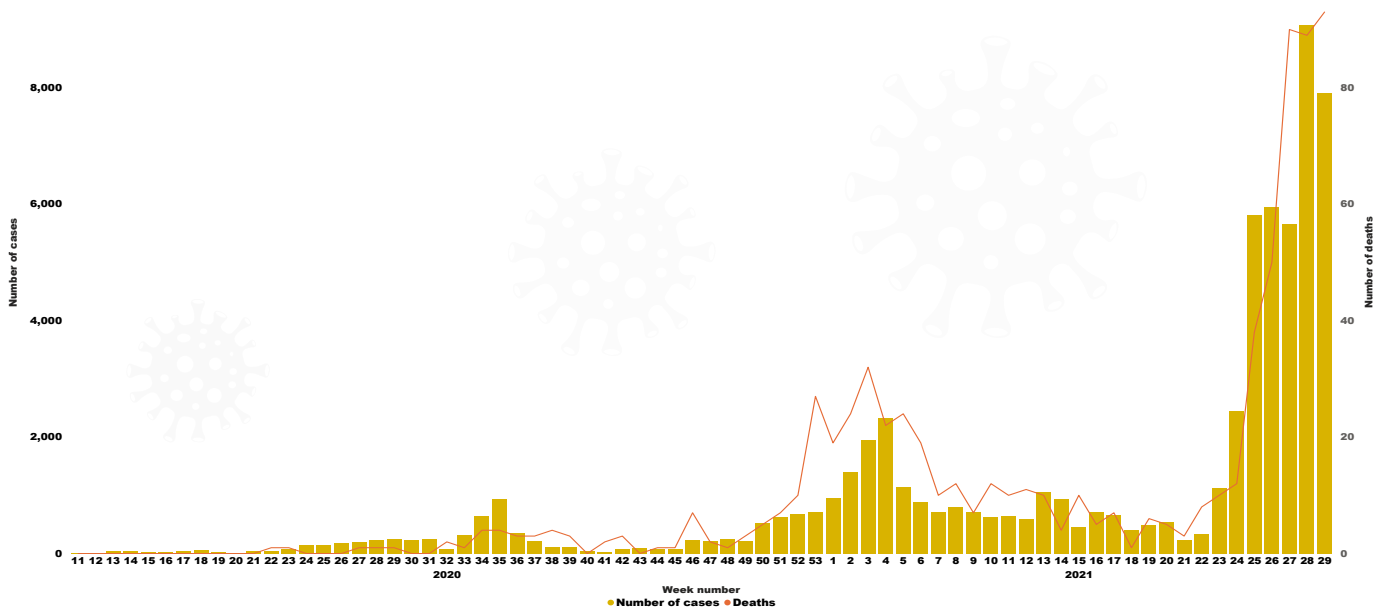
COVID19 Weekly Epidemiological Bulletin

EPI WEEK 29: From 19th to 25th July, 2021

1. Epidemiological Summary as of 25th July 2021

	Number of tests:	2,019,581		Active cases:	18,495
	Average tests per day:	4,047		Number of cases in critical condition:	66
	Number of positive cases:	65,227		Total vaccinated:	426,558
	Positivity rate:	3.22%			
	Number of deaths:	741			
	Case fatality ratio:	1.13%			
	Number of recoveries:	38,472			
	Recovery rate:	58.9%			

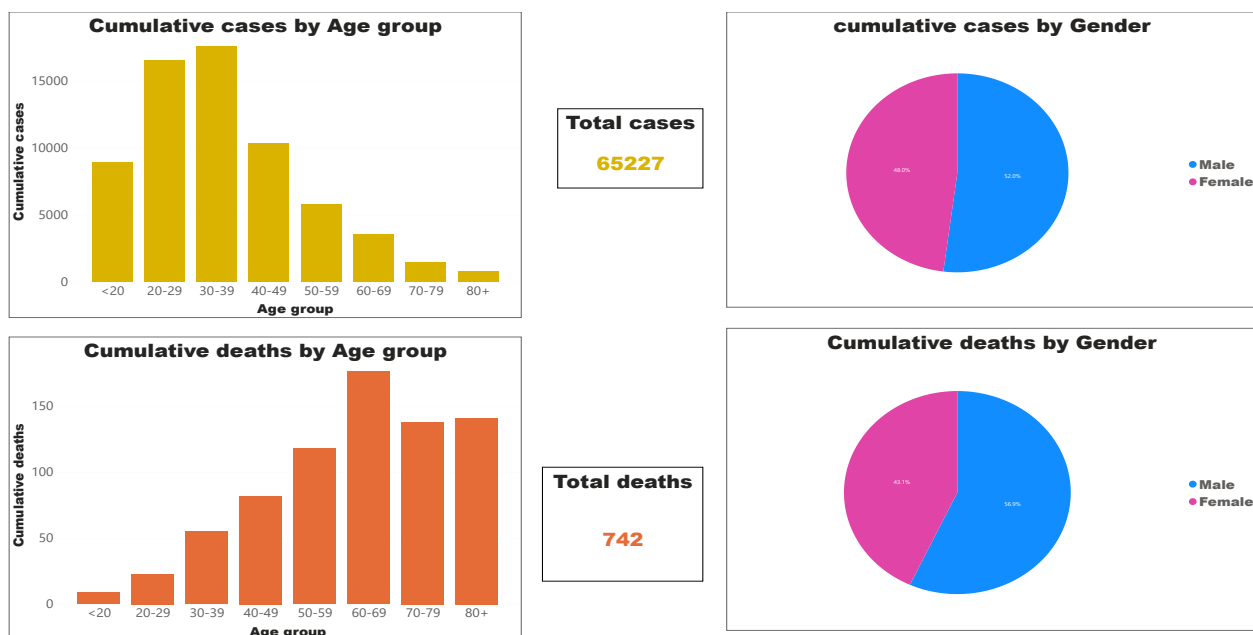
2. Weekly trend in number of new cases and deaths



Graph 1 Weekly trends in number of new cases and deaths

3. Distribution of cases and deaths by age group and gender.

Distribution of cases and deaths by age group and gender as of July 25th ,2021



Graph 2 Distribution of cases and deaths by age group and gender

4. Weekly summary in numbers: Comparison with the previous week

Indicator	Week 28 From 12 th July to 18 th July, 2021	Week 29 From 19 th July to 25 th July, 2021
Number of new tests	163,500	132,319
New cases	9,078	7,905
Positivity rate	5.5%	5.9%
New deaths	89	93
New recoveries	7,518	5,949
New cases in Kigali	4,933	2,466
New cases outside Kigali	4,145	5,439
New deaths in Kigali	39	44
New deaths outside Kigali	50	49
Incidence rate (cases by 100,000 people)	70/100,000	61/100,000



5. Weekly focus: Excess Mortality calculation to measure the impact of COVID-19

Excess mortality is defined as the difference in the total number of deaths in a crisis compared to those expected under normal conditions. COVID-19 excess mortality accounts for both the total number of deaths directly attributed to the virus as well as the indirect impact, such as disruption to essential health services or travel disruptions (WHO, 2021).

Estimating the excess COVID-19 death is based on measurement of the excess death during the pandemic week by week compared to what would have been expected based on past years' trends and seasonality of deaths. However, the total excess death does not equal the excess COVID-19 deaths. Excess mortality may be influenced by six drivers of all-cause mortality that relate to the pandemic and the social distancing mandates that came with the pandemic, namely:

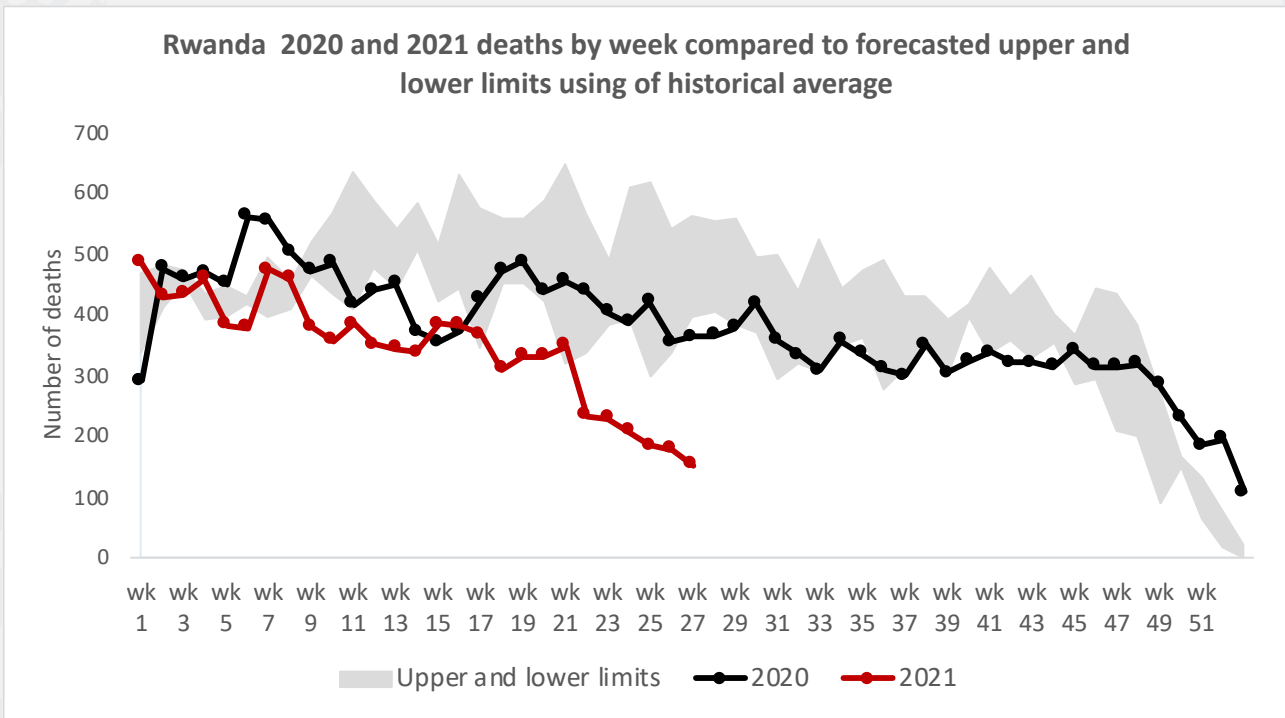
- A.** The excess COVID-19 death rate, that is, all deaths directly related to COVID-19 infection,
- B.** The increase in mortality due to needed health care being delayed or deferred during the pandemic,
- C.** The increase in mortality due to increases in mental health disorders including depression, increased alcohol use, and increased opioid use,

D. the reduction in mortality due to decreases in injuries because of general reductions in mobility associated with social distancing mandates,

E. The reduction in mortality due to reduced transmission of other viruses, and

F. The reductions in mortality due to some chronic conditions, such as cardiovascular disease and chronic respiratory disease, that occur when frail individuals who would have died from these conditions died earlier from COVID-19 instead.

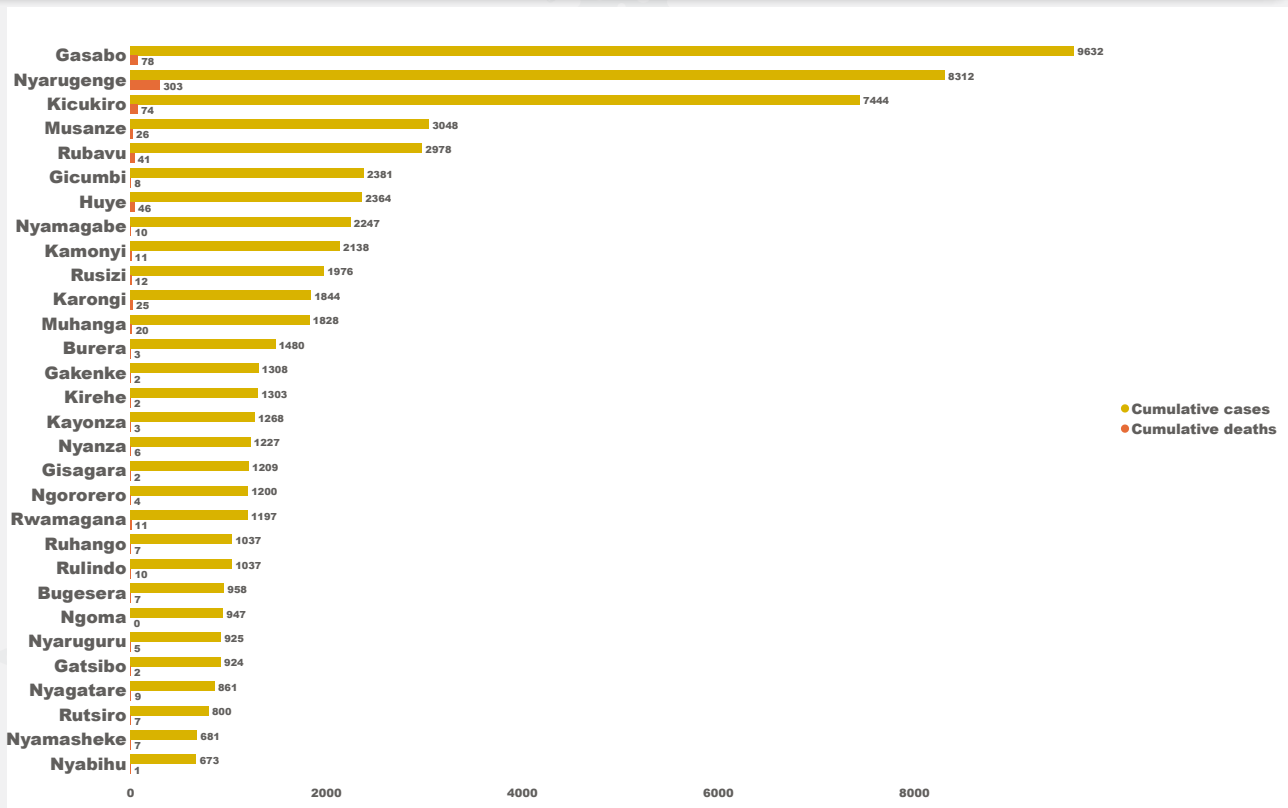
The graph below (graph 3) shows the weekly trend in number of all-causes deaths reported in 2020 and 2021 up to week 27. The upper and lower boundaries show the number of expected deaths in 2021 and 2021 under normal conditions using historical death data. Health facility All-cause Mortality data were extracted DHIS 2 death at health facility instance (currently integrated with the national CRVS) while community deaths were from the community module of Civil Registration and Vital Statistics System.



Graph 3: weekly trend in number of all causes deaths for 2020 and 2021 compared to forecasted deaths using historical average

As shown on the graph the number of all causes death for 2020 and 2021 did not exceed the expected forecasted (upper and lower limits) number of deaths for those year. In general, there is no excess deaths due to COVID-19 outbreak in Rwanda.

6. Cumulative Number of cases and deaths by district as of July 25th, 2021



Graph 4 cases and deaths by district