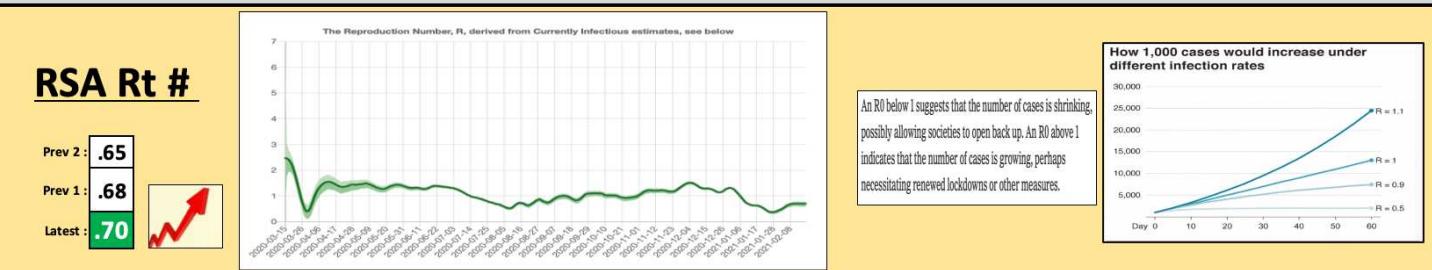
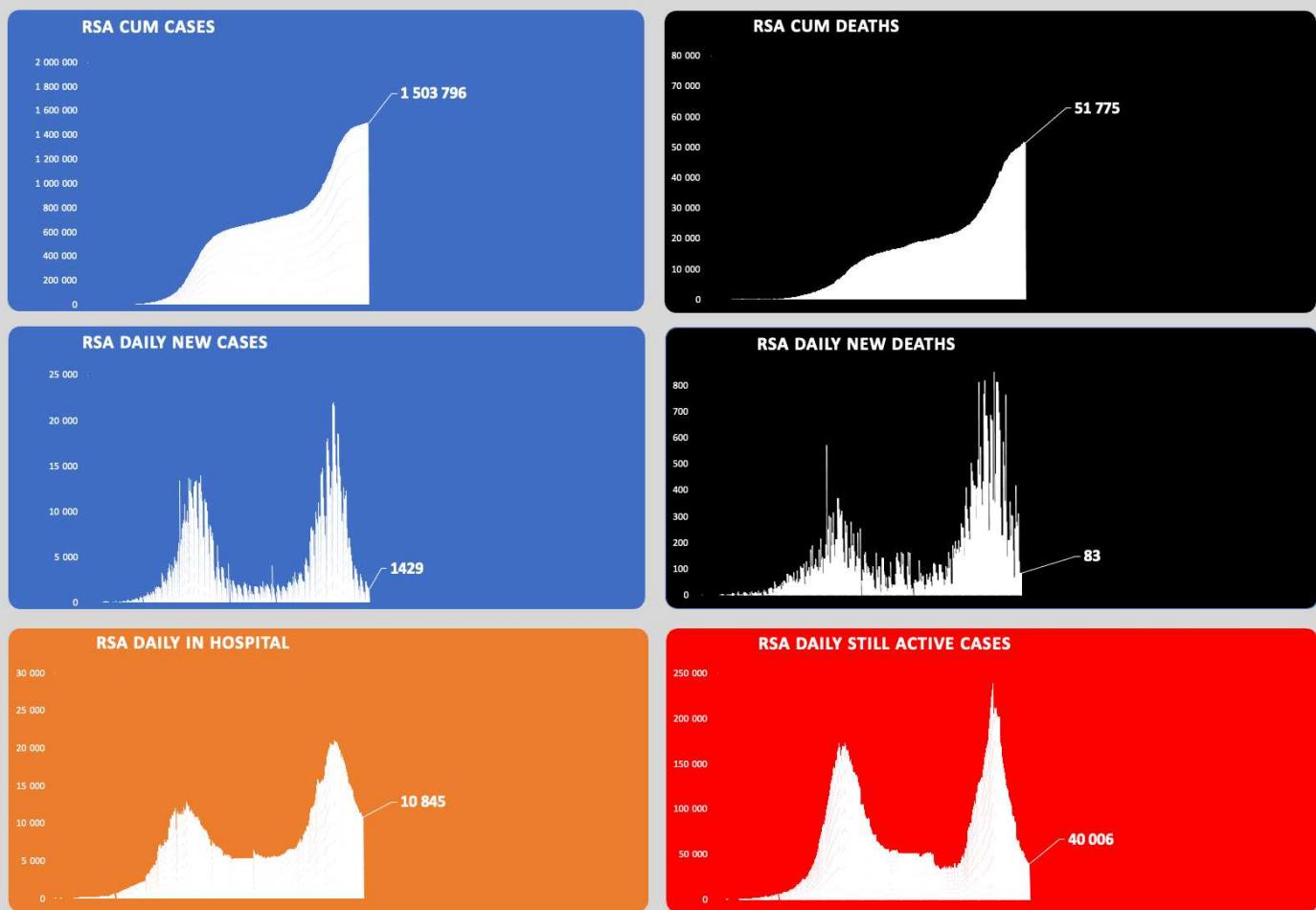
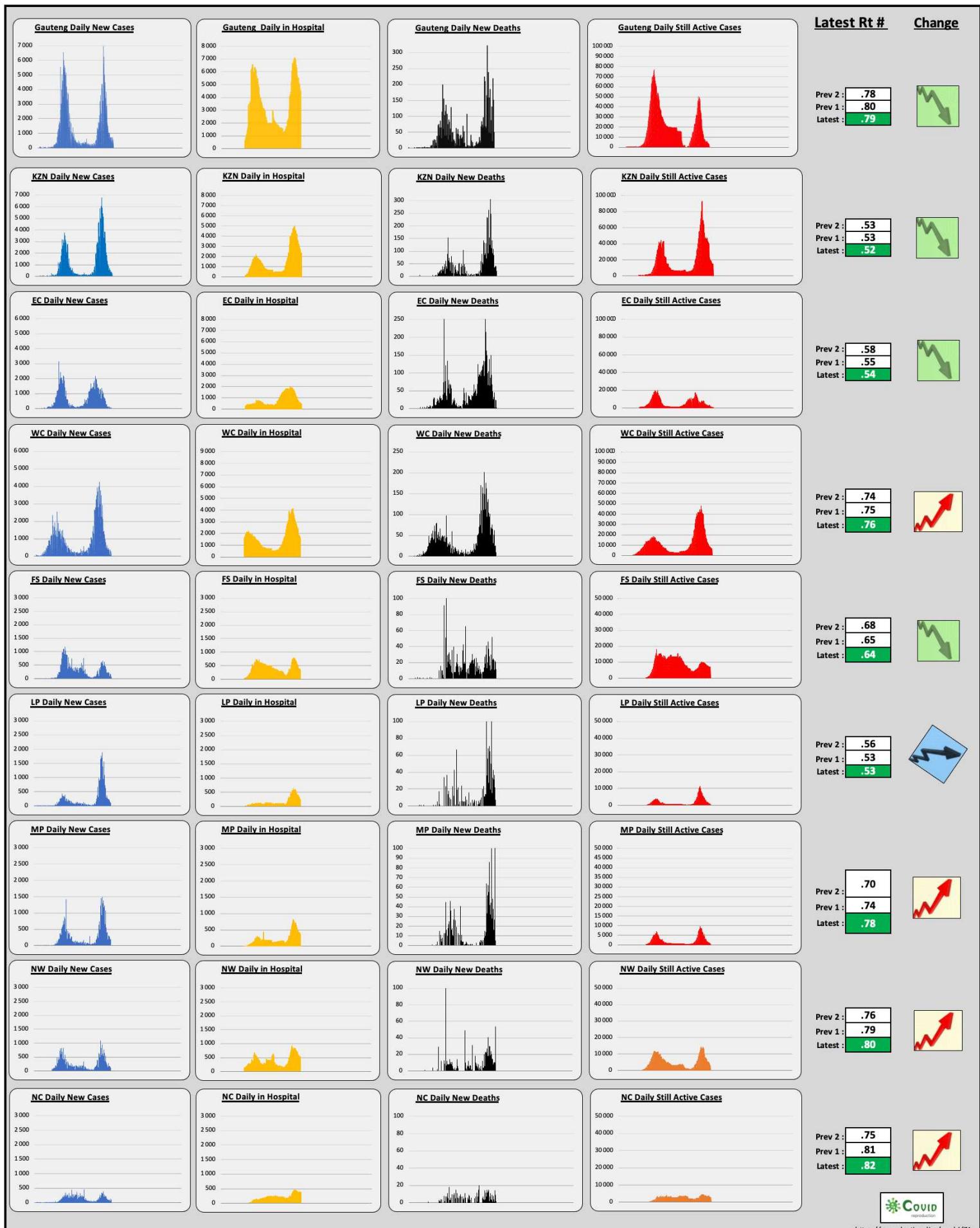


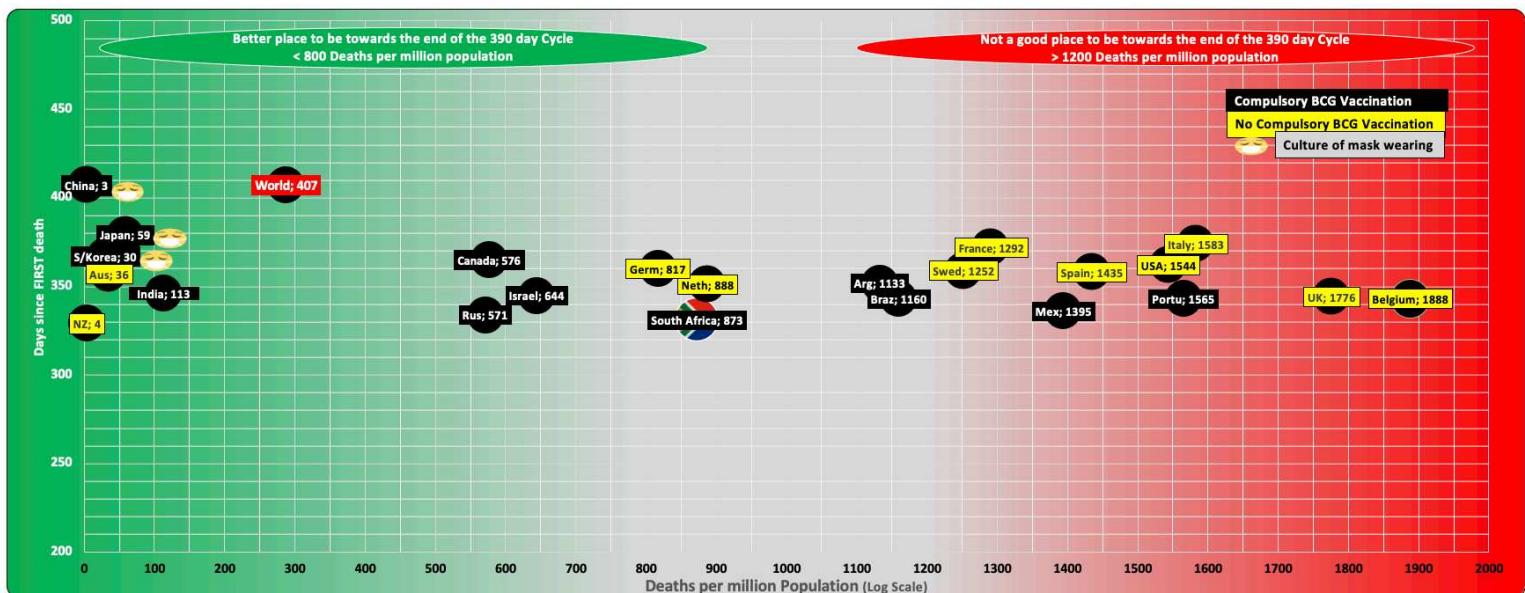
# HarryG COVID-19 Dashboard

Cum +Cases		Daily Cases		RSA COVID-19 DASHBOARD 22 February 2021	Daily Still in Hospitals	% of Reported Cases who Died (CFR)	Cum Recoveries	
1 503 796	1 429 <span style="color: green;">↓</span>	10845 <span style="color: green;">↓</span>	3,44% <span style="color: blue;">↗</span>		1 412 015 <span style="color: green;">↑</span>	93,9%		
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP	% of RSA PoP who have died to date (CMR)	0,087%		% of RSA PoP Vaccinated & % Vacs + Recovered Cases	2,46%	
40 006 <span style="color: green;">↓</span>	25 355	873	Cum Deaths Daily	51 775 83 <span style="color: green;">↓</span>		Cum Tests Daily Tests	8 892 515 24 856 <span style="color: red;">↓</span>	
Deaths Avg Age	Deaths Min Age	Deaths Max Age	Cases Deaths CFR	57,8% 51,7% 2,82% 42,2% 48,3% 3,62%	59,8	Daily Positivity Rate:	5,7% <span style="color: green;">↓</span>	
62,3	0,2	105	Female: Male:					
			20-Feb					

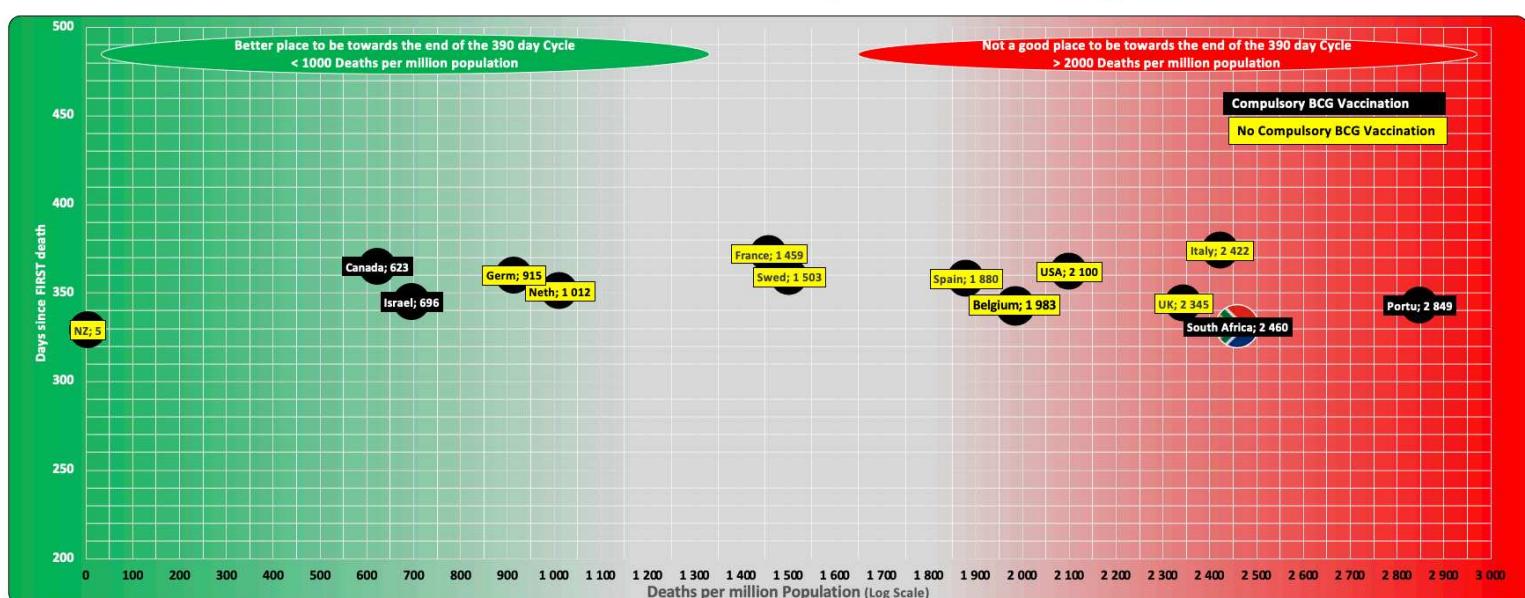


RSA Provinces detailed daily Data and Trends Jan 2020 to Dec 2021How old is the Data? : Cases 2-5 days, Hospitalisation 1-3 days, Deaths 4-10 days, Still Active Cases 4-10 days, Rt #'s 3-10 days

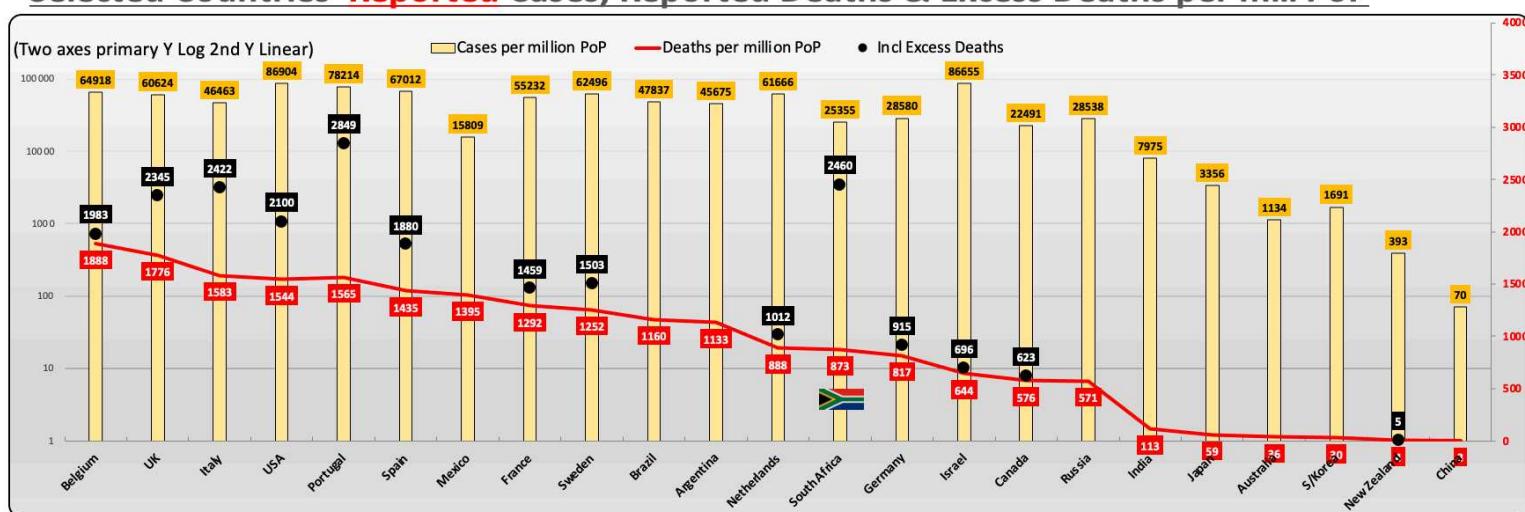
## Selected Countries' Reported Deaths per mill PoP



## Selected Countries' Deaths incl Excess Deaths (if data available) per mill PoP



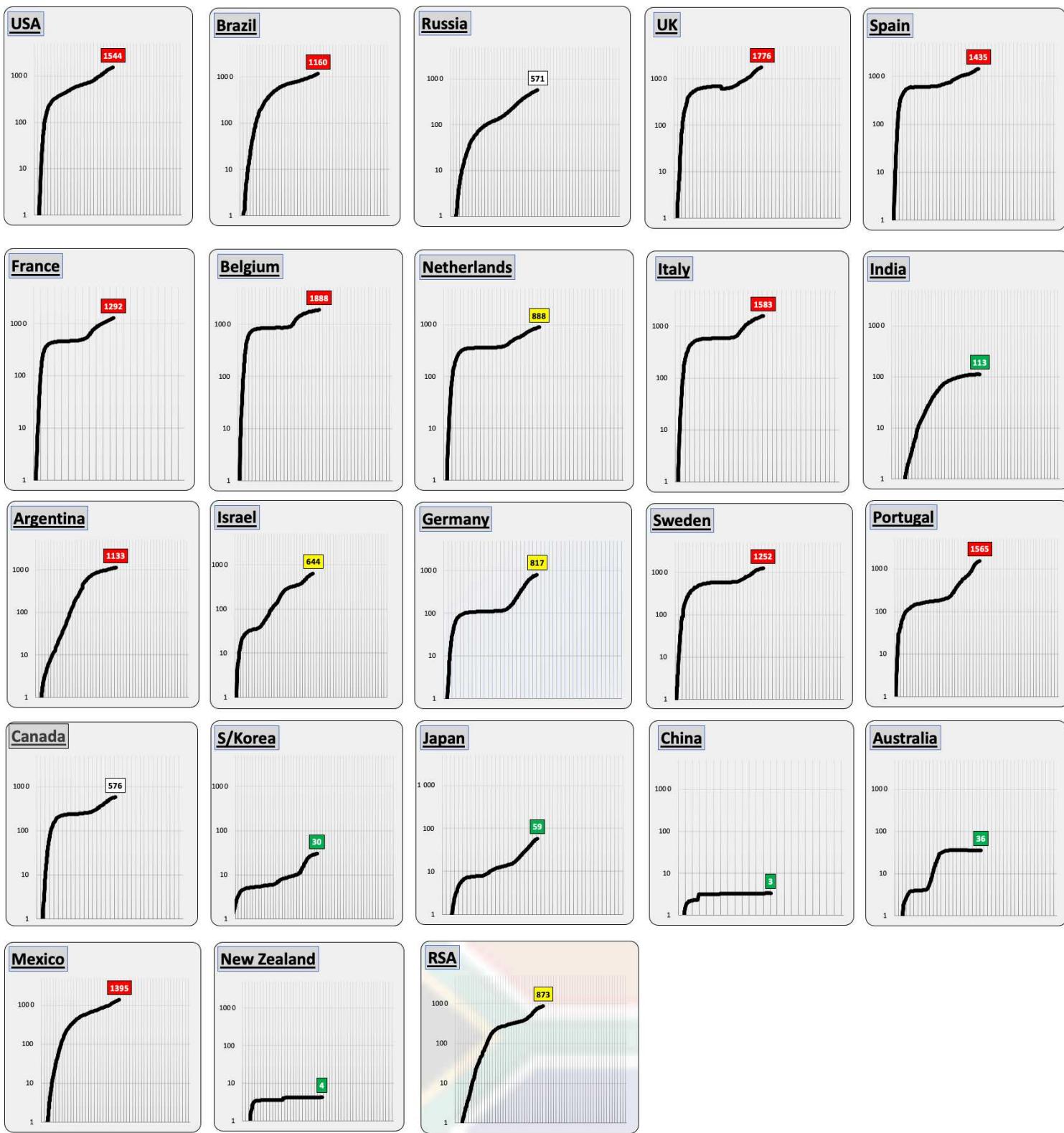
**Selected Countries' Reported Cases, Reported Deaths & Excess Deaths per mill PoP**



## Cum Reported Deaths per mill PoP for selected countries

All on same Log Scale (compare Apples with Apples)

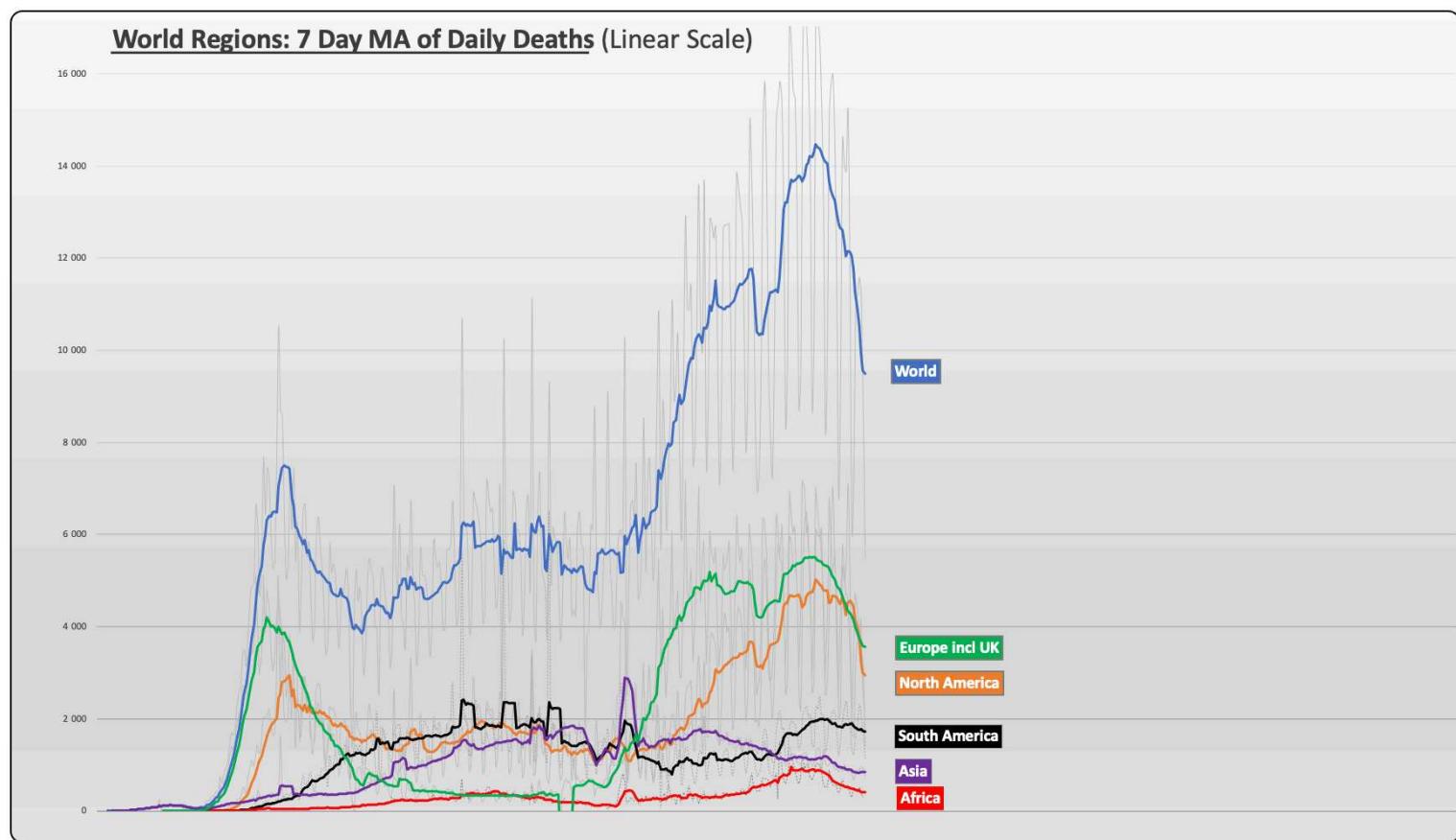
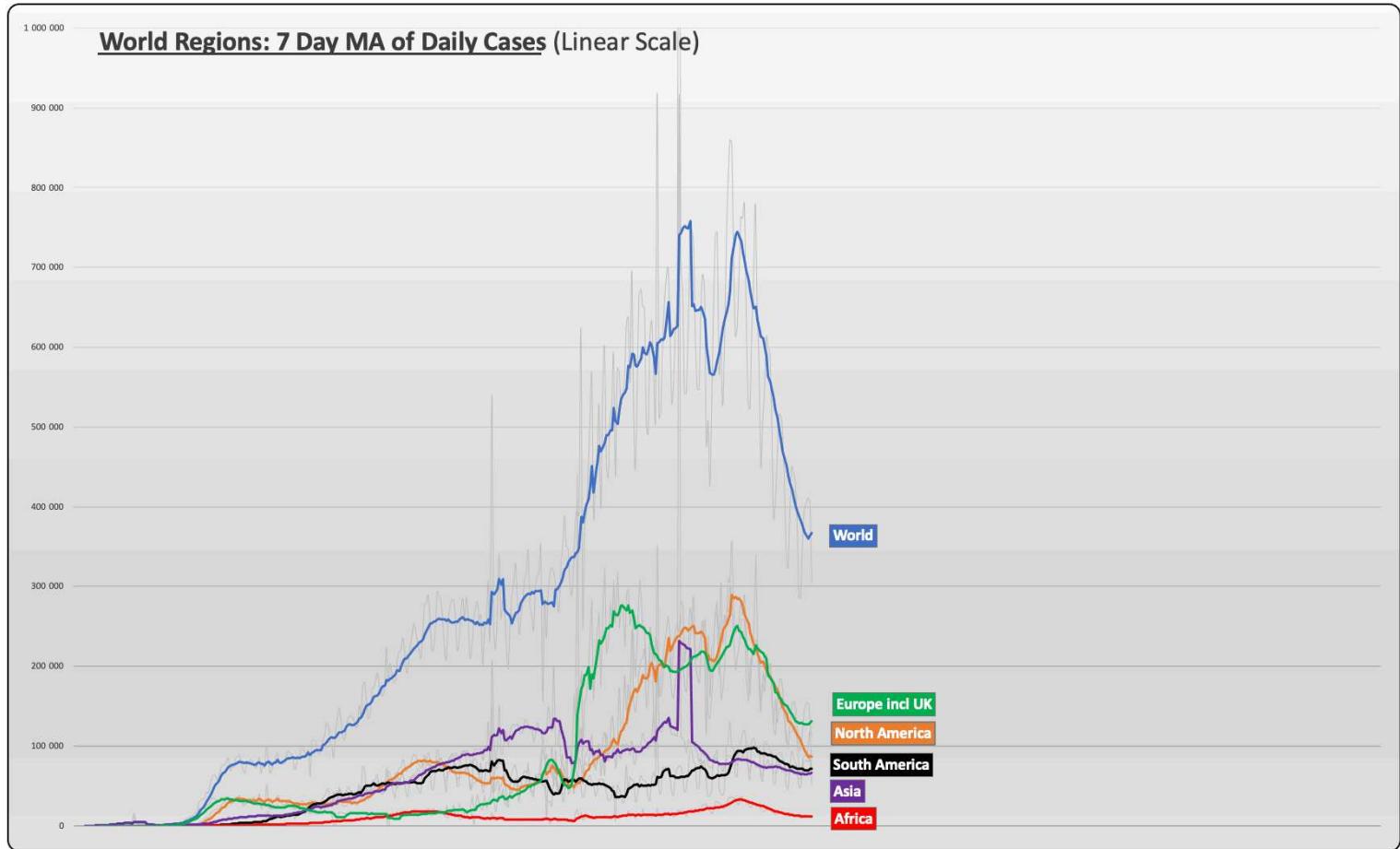
Cum Deaths > 1000 per Mill
Cum Deaths > 600 per Mill
Cum Deaths < 200 per Mill



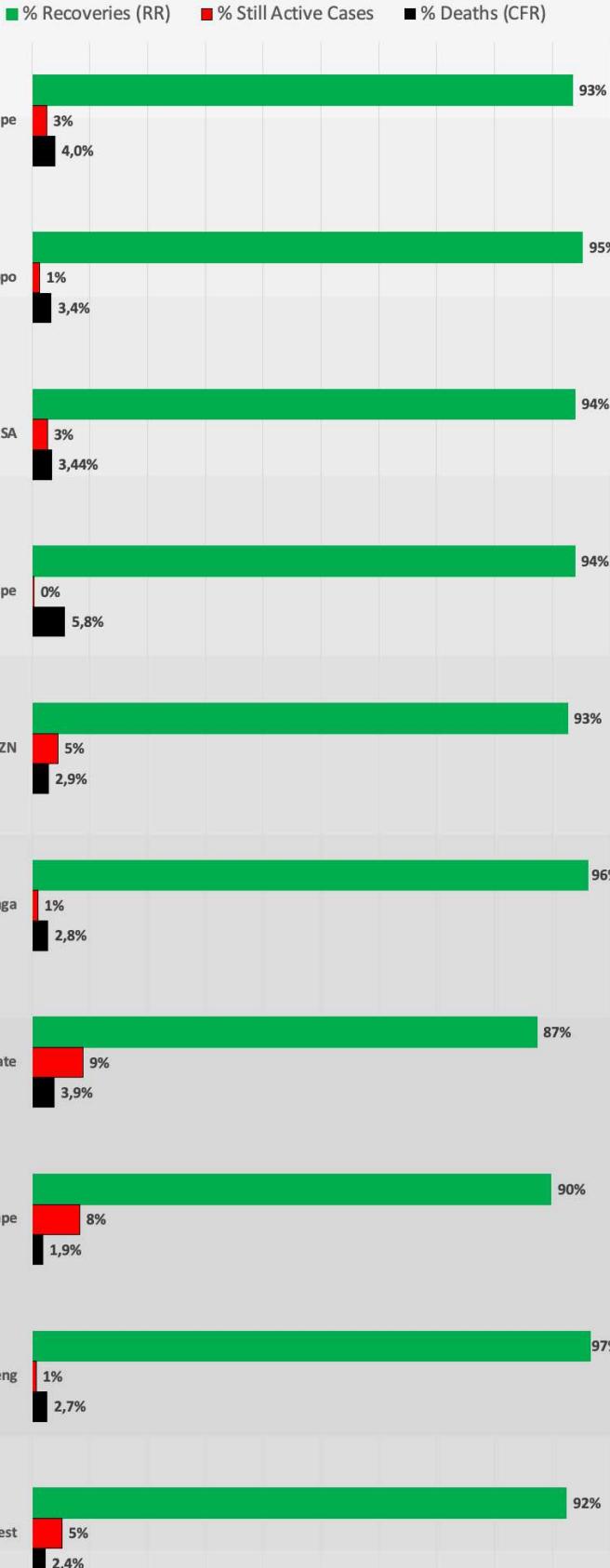
### Daily Reported Deaths Curves plus 7 Day MA also Rate of Onset/Next Wave "Inclinometers"

● Peaked but spiking again  
● Passed peak but could rebound OR next wave  
● Well past peak, unlikely to rebound  
● Onset/1st wave  
● Next waves

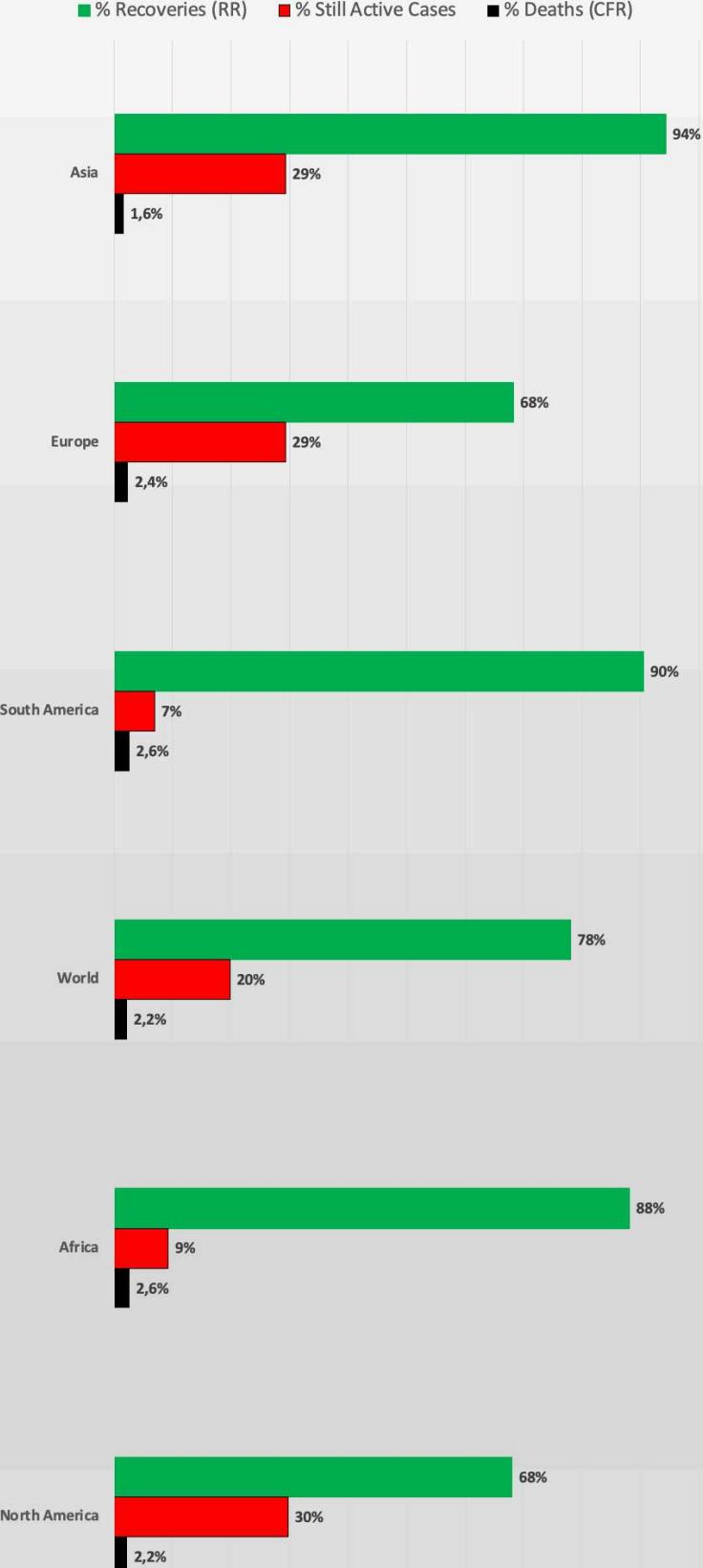


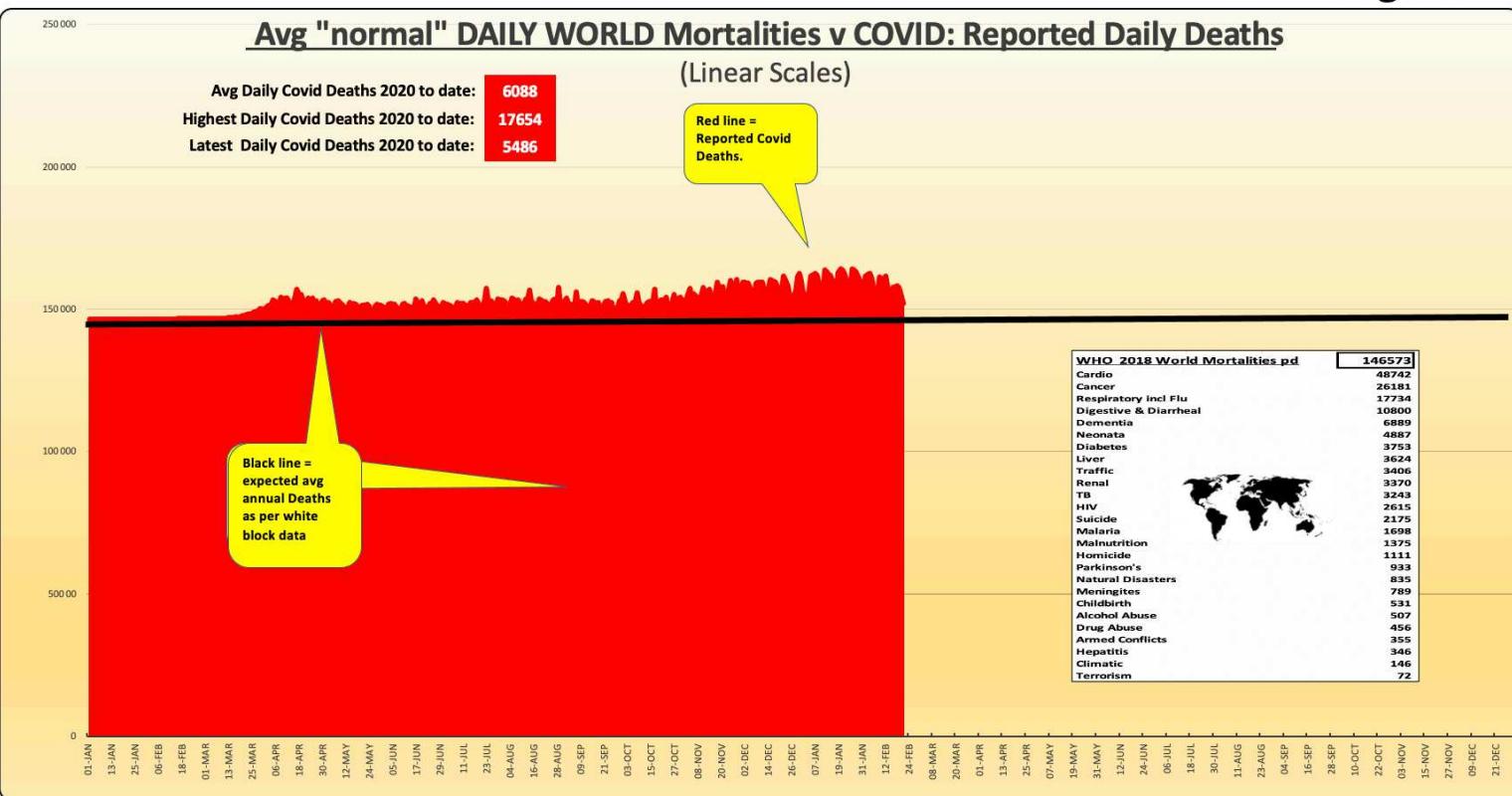


### RSA Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases

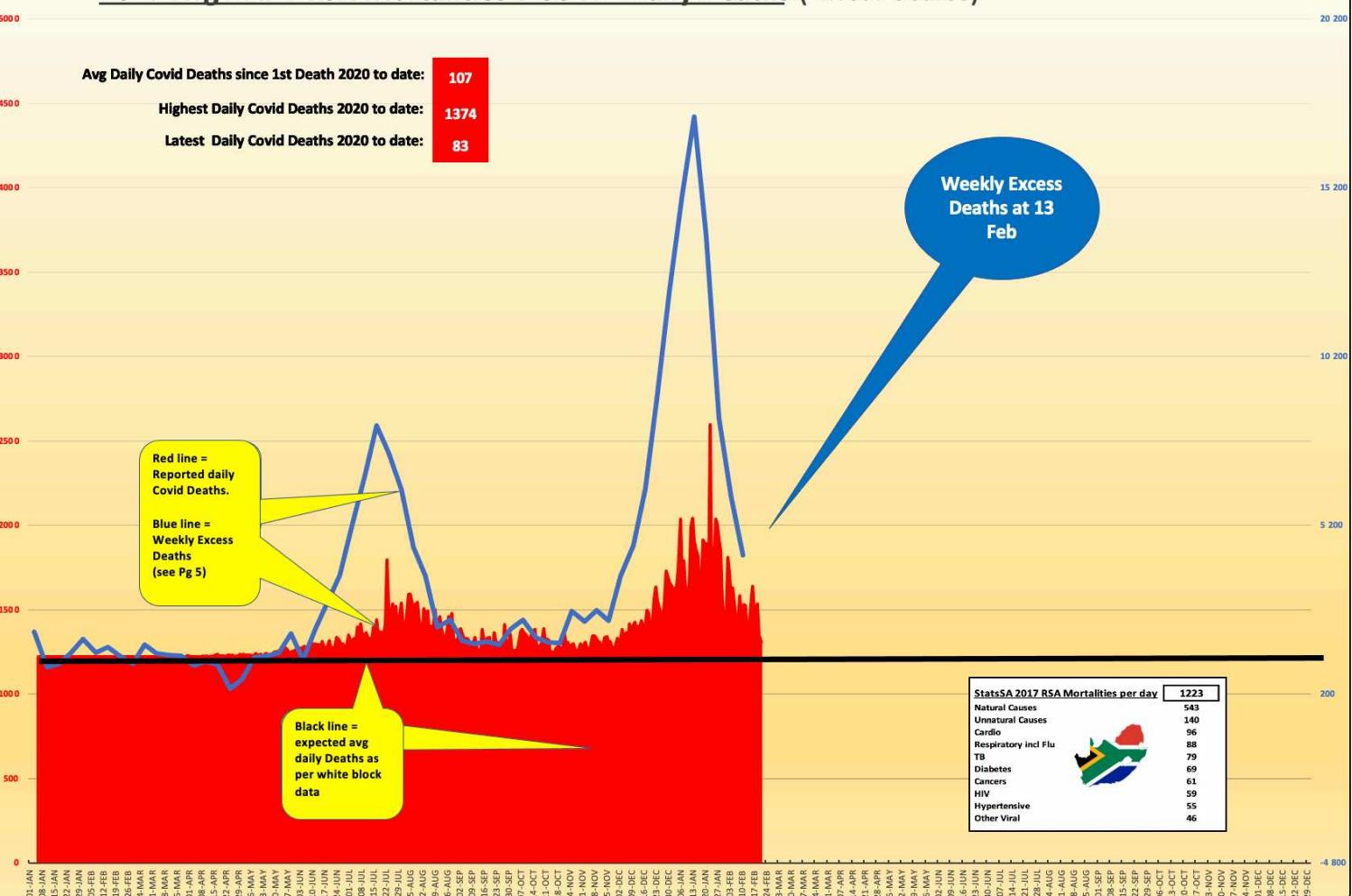


### World Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases





### 2017 Avg DAILY RSA Mortalities v COVID Daily Deaths (Linear Scales)



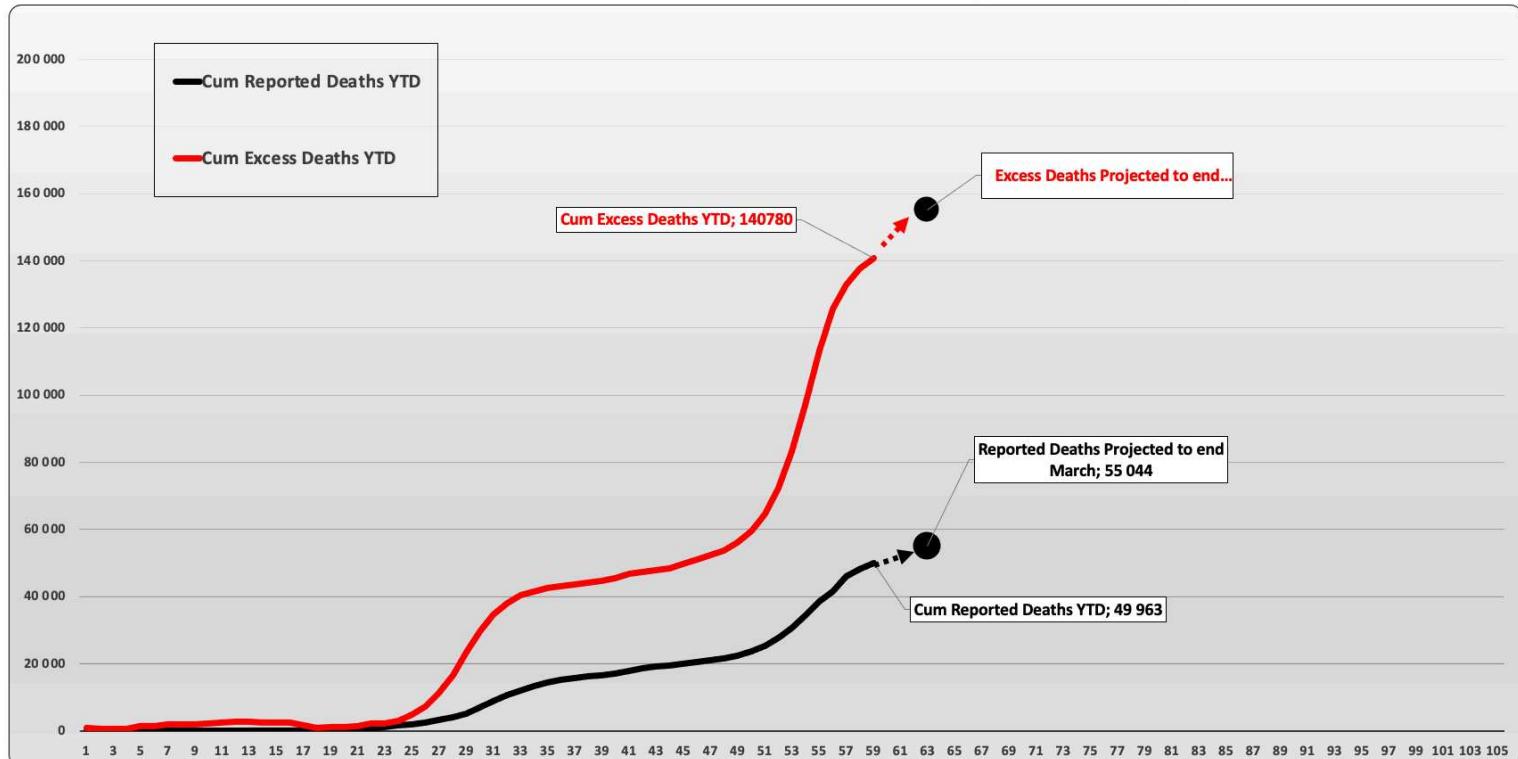
# Covid Deaths: Reported and Excess Deaths

Page 4

## Cum Totals to date & Projections for end March 2021 (weekly SAMRC data)

(See Pg 5 for more details on RSA Excess Deaths)

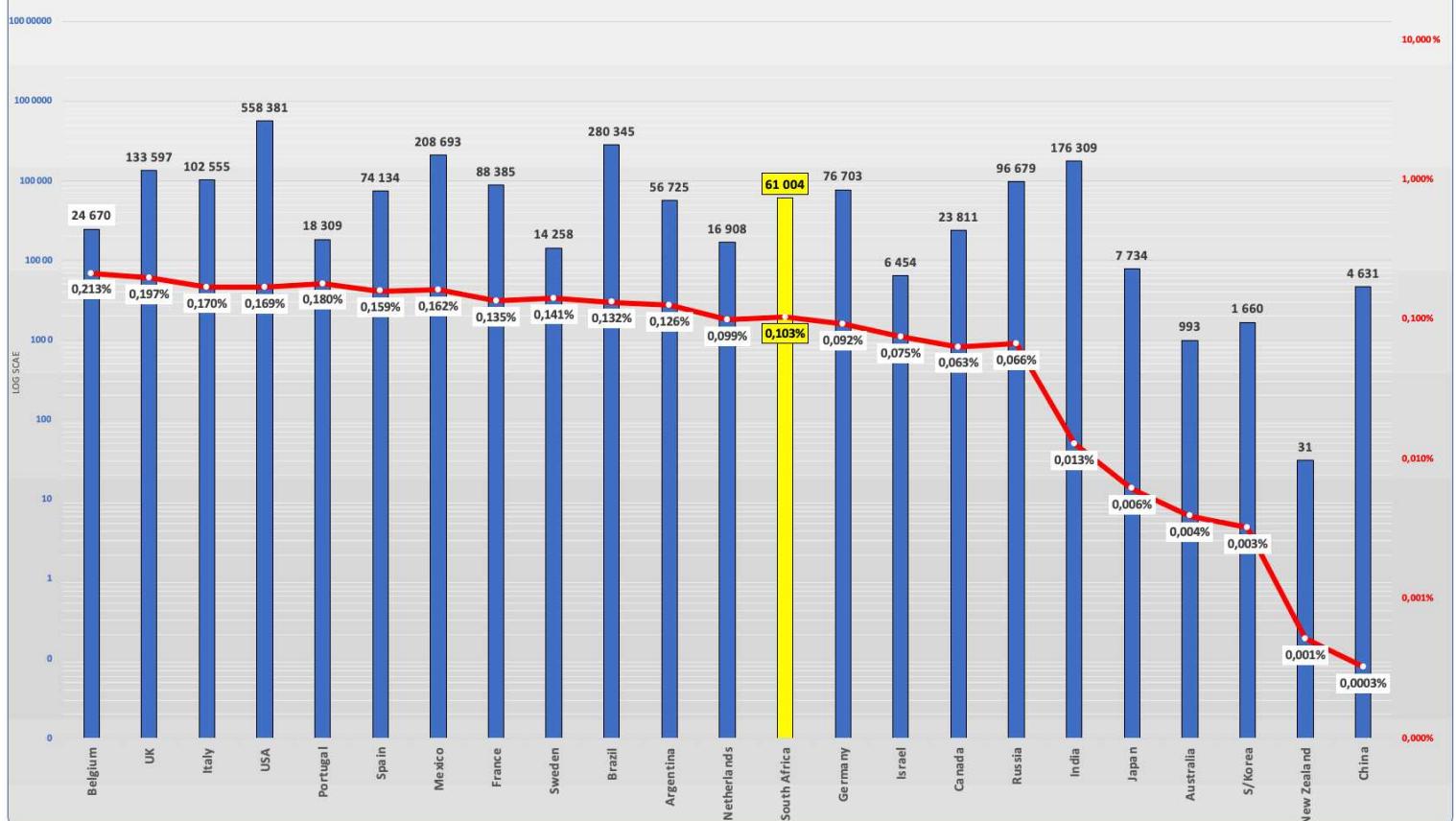
As at Week ended: 14 February 2021



### Projected Deaths by end Mch 2021 per country and % Deaths of Country Populations

at current officially reported Death Numbers as reported by WHO (no "Excess" deaths)

■ Projected Covid Deaths for the full 390 days cycle ■ Projected Covid Deaths as % of Population for the full 390days cycle



Data as at: 21 February 2021

Unless otherwise indicated

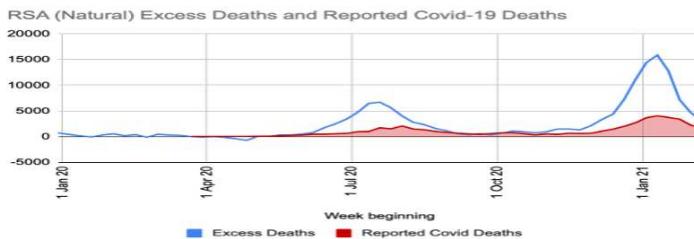
hdg 22 February 2021

## RSA Excess Deaths as per SA Medical Research Council

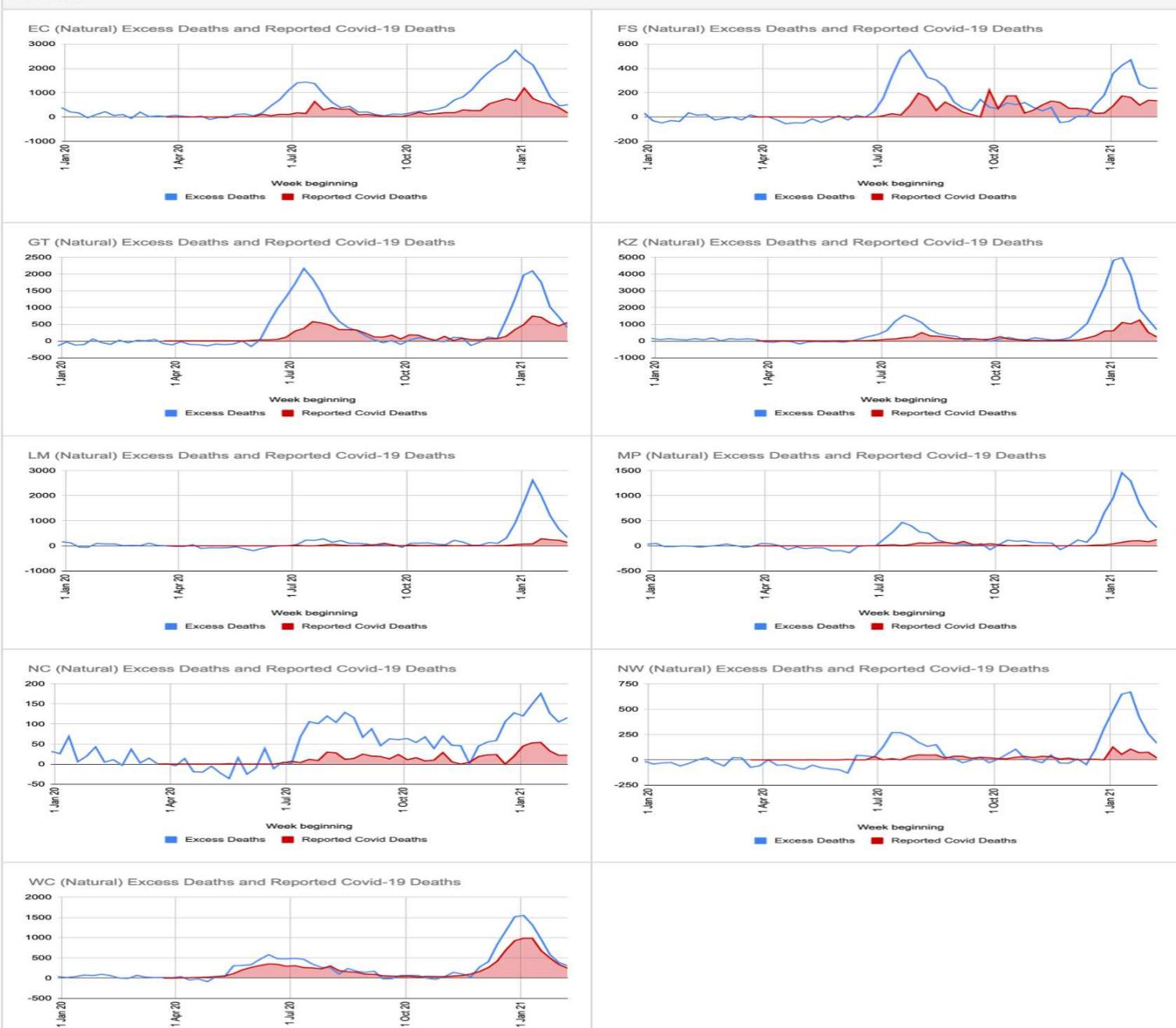
Data as at:

13 February 2021

One approach to aid understanding of the emerging COVID-19 mortality is to compare the estimated weekly excess deaths with the number of COVID-19 deaths reported by the Minister of Health as shown in the figure below. This comparison is hampered to some degree by the fact that the excess deaths are classified by week in which the death occurred; the reported COVID-19 deaths are classified by date the numbers are reported to the Department. If all excess natural deaths were due to COVID-19, and all COVID-19 deaths were perfectly identified and reported, the two series would be identical. The number of estimated excess deaths has begun to decrease, consistent with the trend in the number of confirmed COVID-19 deaths. Although more data are needed on the underlying causes of death, this observation is strongly supportive that a significant proportion of the current excess mortality being observed in South Africa is likely to be attributable to COVID-19.



### Provinces



The red lines are weekly Covid deaths as reported by Dept of Health.  
 The blue lines are total Natural Deaths as reported by Dept of Home Affairs.  
 The gaps are the so-called "Excess Deaths" which can largely be ascribed to Covid, directly (home/rural deaths) and indirectly (limited access to hospitals due to fear of Covid or no space).

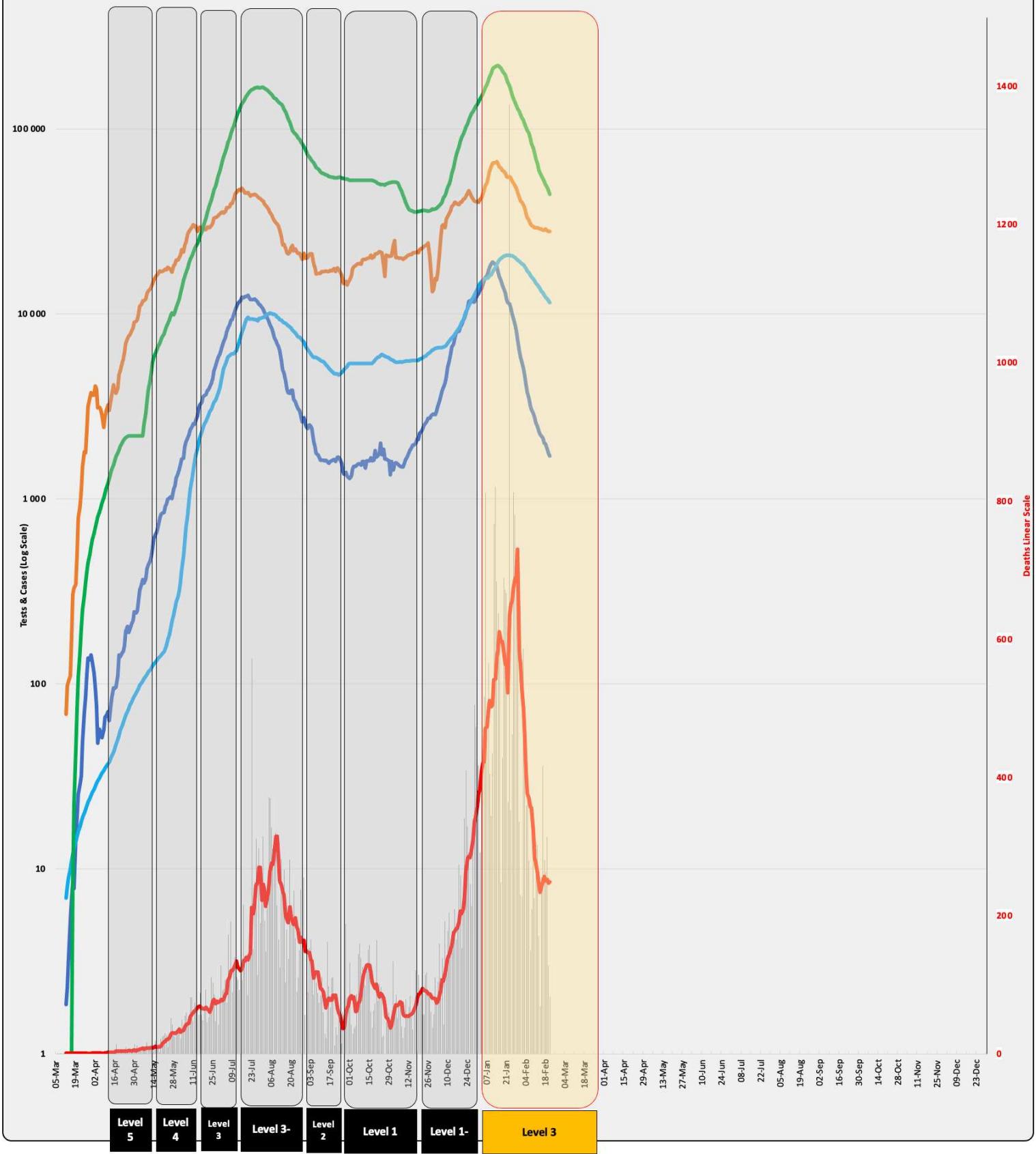
Data as at:

Latest Available

hdg 22 February 2021

## RSA Daily Testing v Daily Cases v Daily Deaths 7 Day MA

— Daily Tests — Daily Cases — In Hospital — Active Cases — Daily Deaths



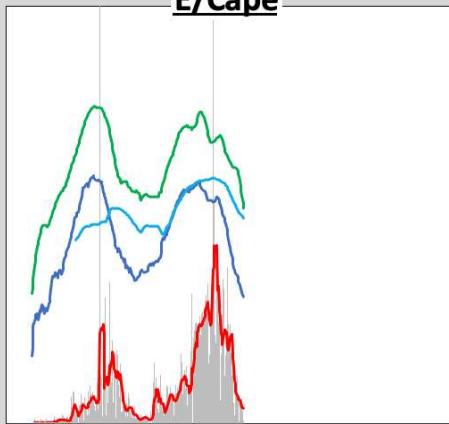
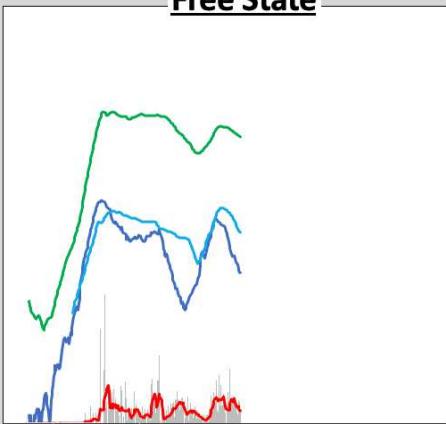
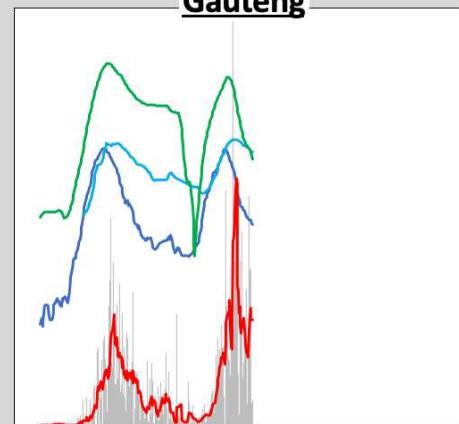
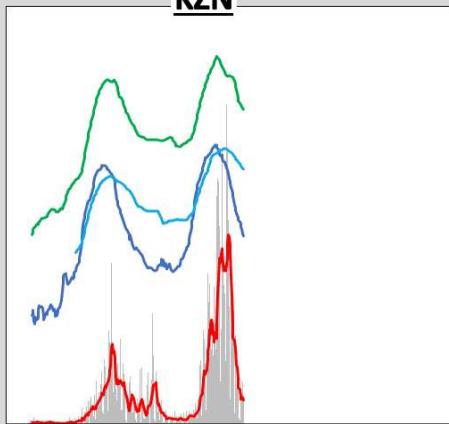
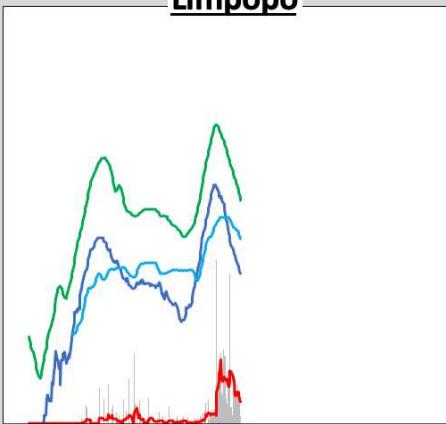
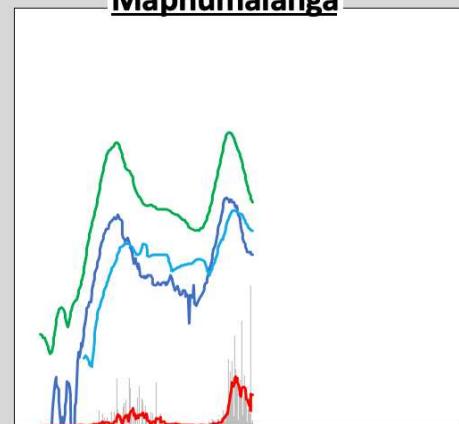
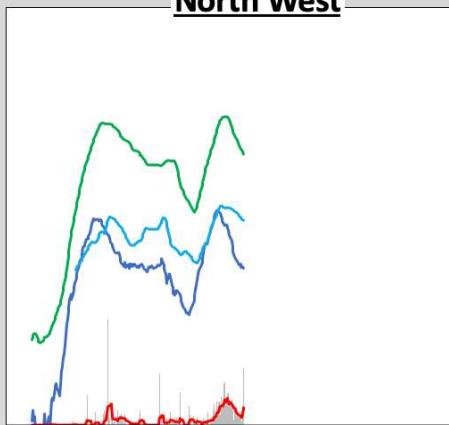
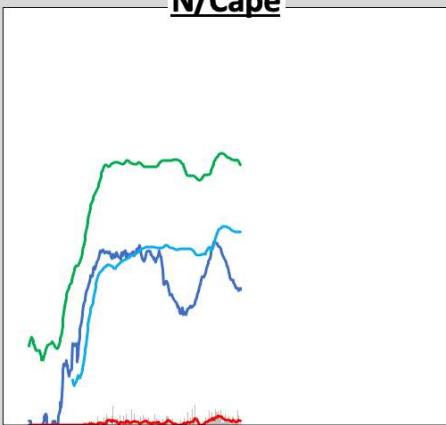
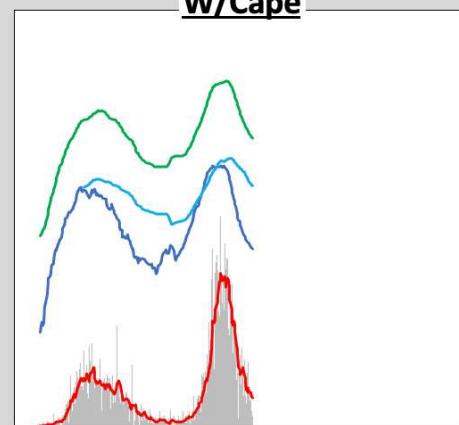
Data as at: 21 February 2021

Unless otherwise indicated

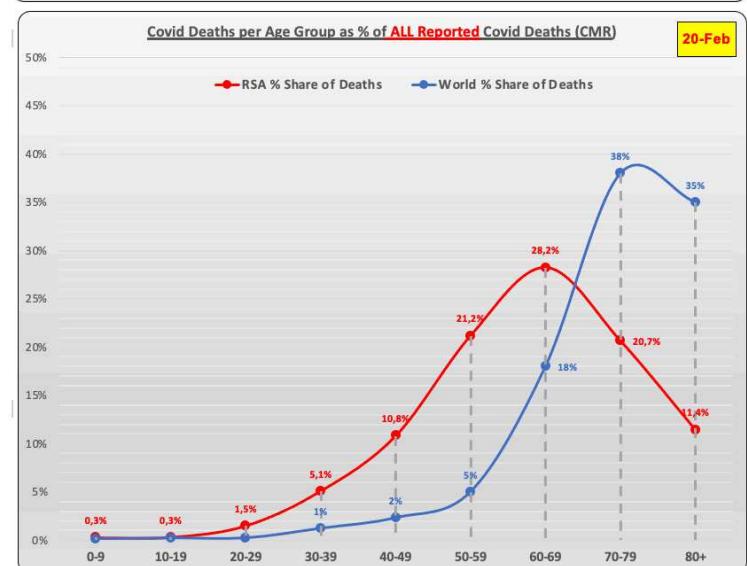
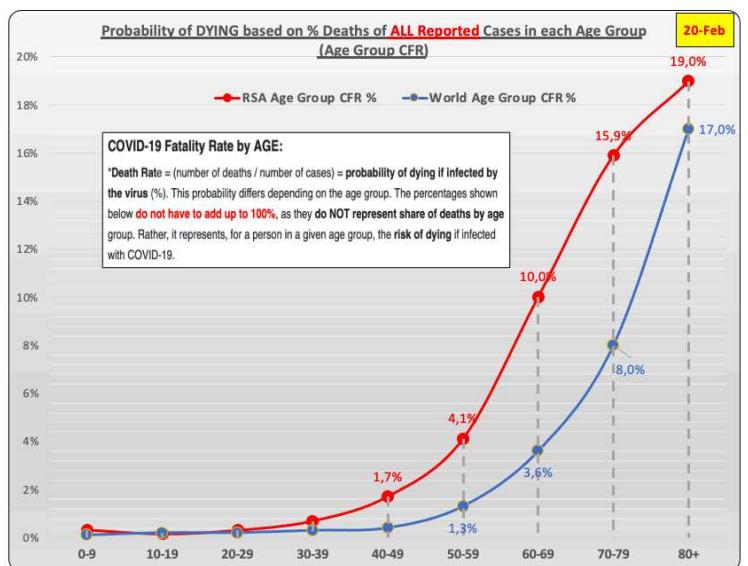
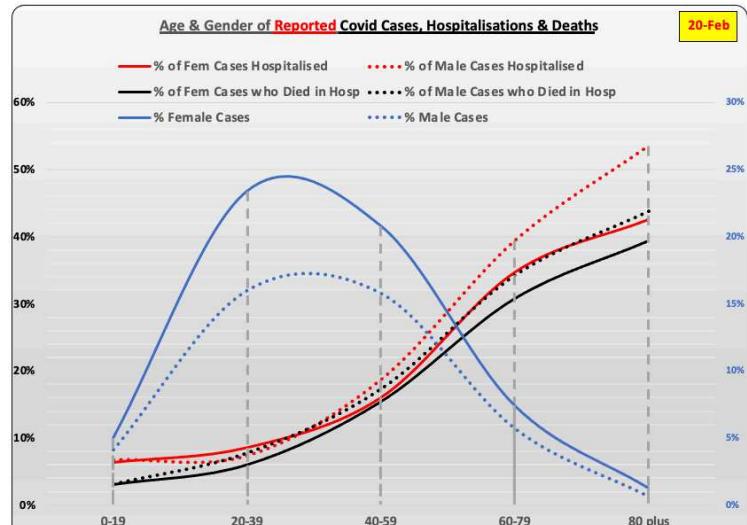
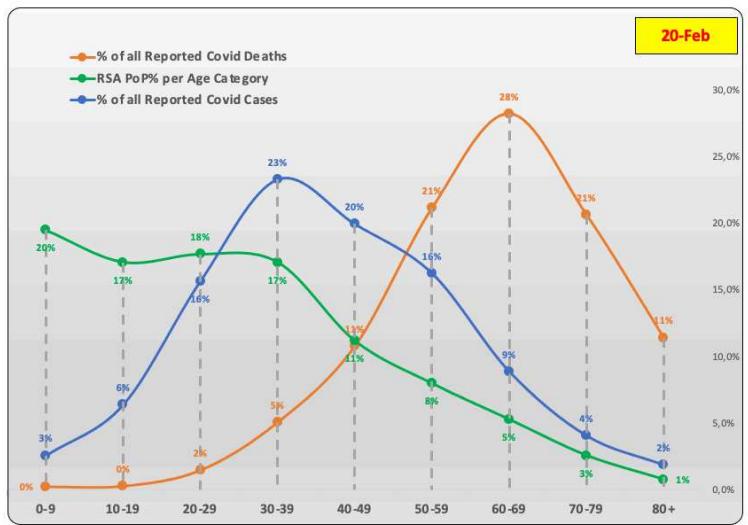
hdg 22 February 2021

**RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)**

— Daily Cases   — In Hospital   — Active Cases   — Daily Deaths

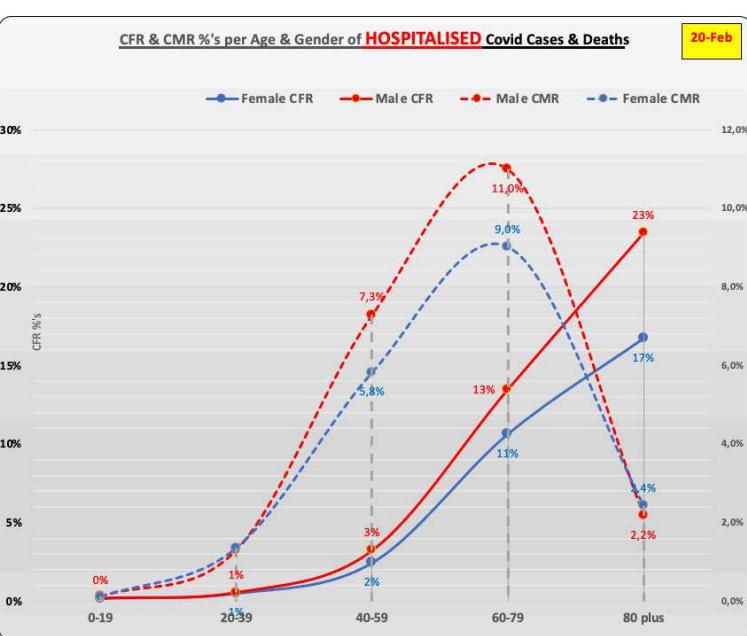
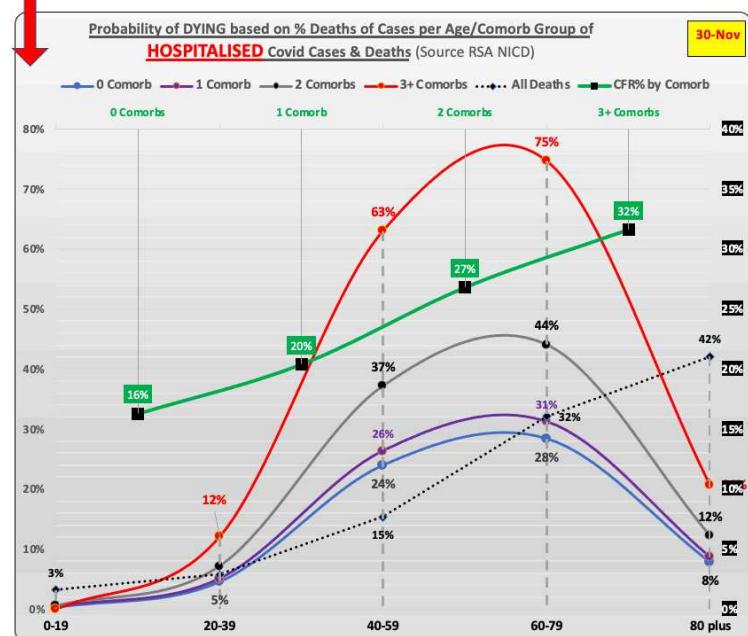
**E/Cape****Free State****Gauteng****KZN****Limpopo****Maphumalanga****North West****N/Cape****W/Cape**

## RSA Age & Gender Stats

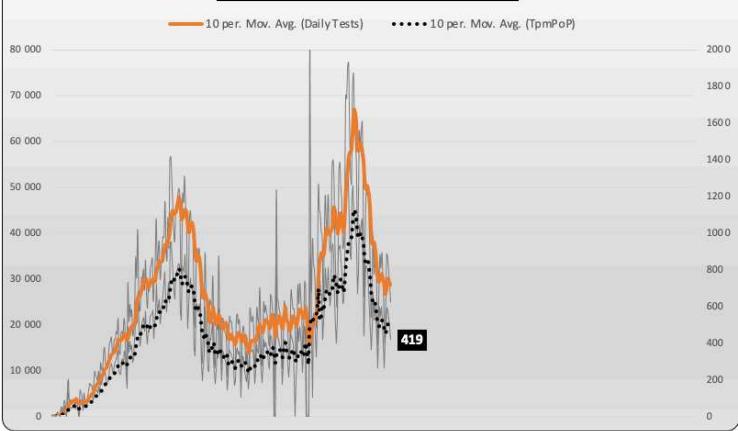


### COVID-19 Fatality Rate by AGE:

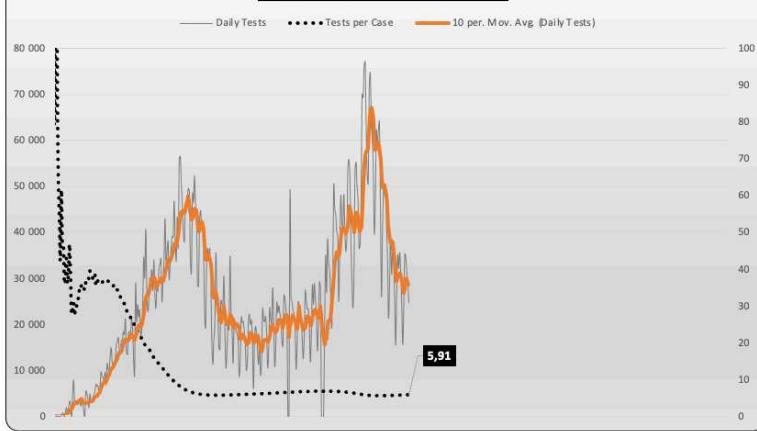
\*Death Rate = (number of deaths / number of cases) = probability of dying if infected by the virus (%). This probability differs depending on the age group. The percentages shown below do not have to add up to 100%, as they do NOT represent share of deaths by age group. Rather, it represents, for a person in a given age group, the risk of dying if infected with COVID-19.



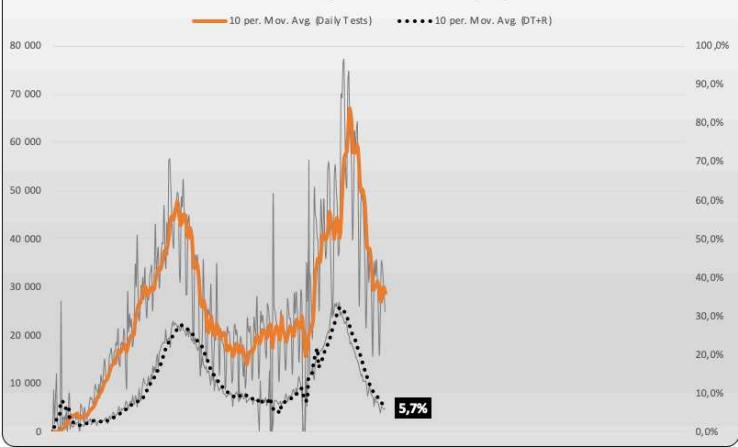
### RSA: Daily Tests per million PoP



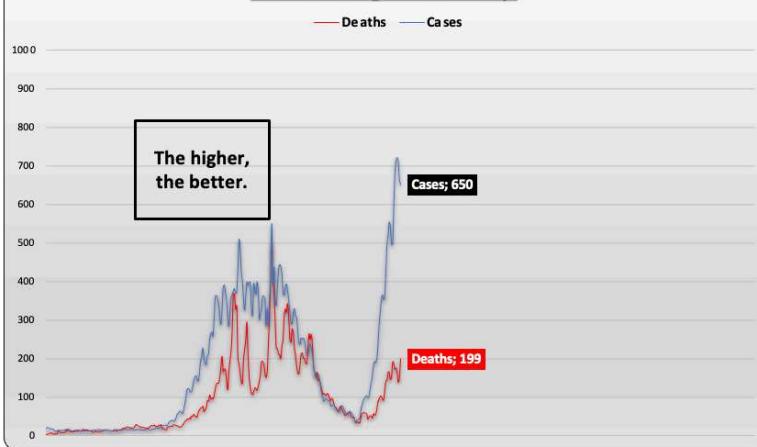
### RSA: Daily Tests per +Case



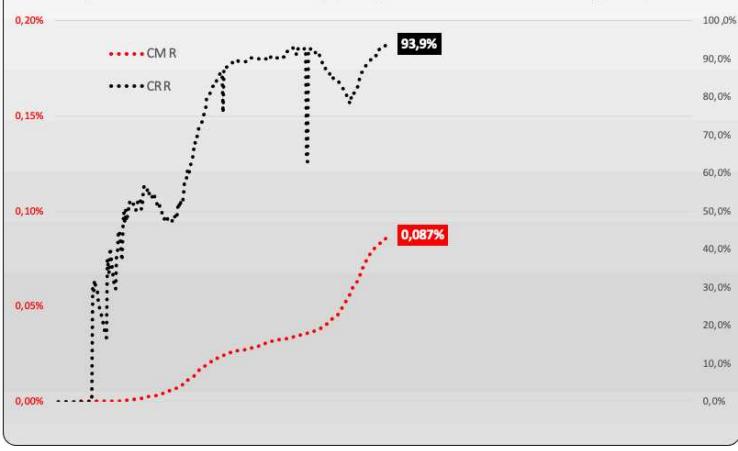
### RSA: Daily Tests Positivity %



### RSA Doubling Times in Days



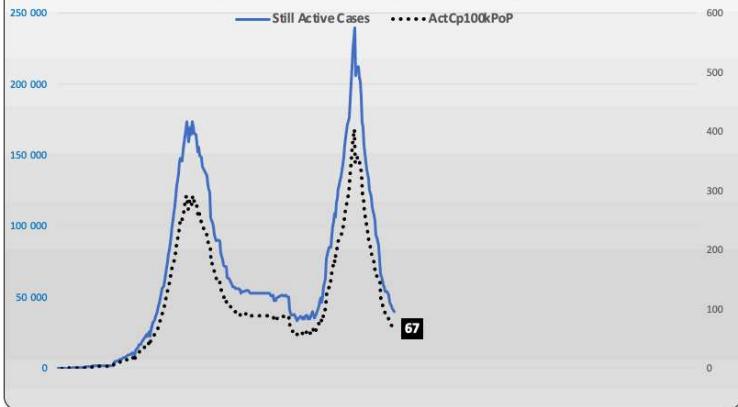
### RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)



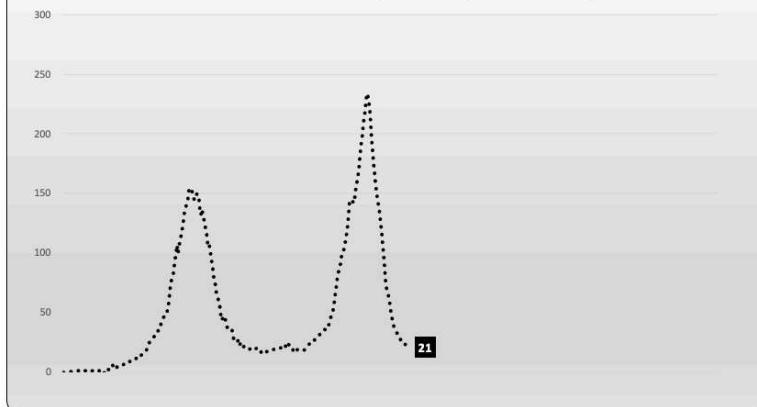
### RSA: Deaths as % of Cases (CFR)



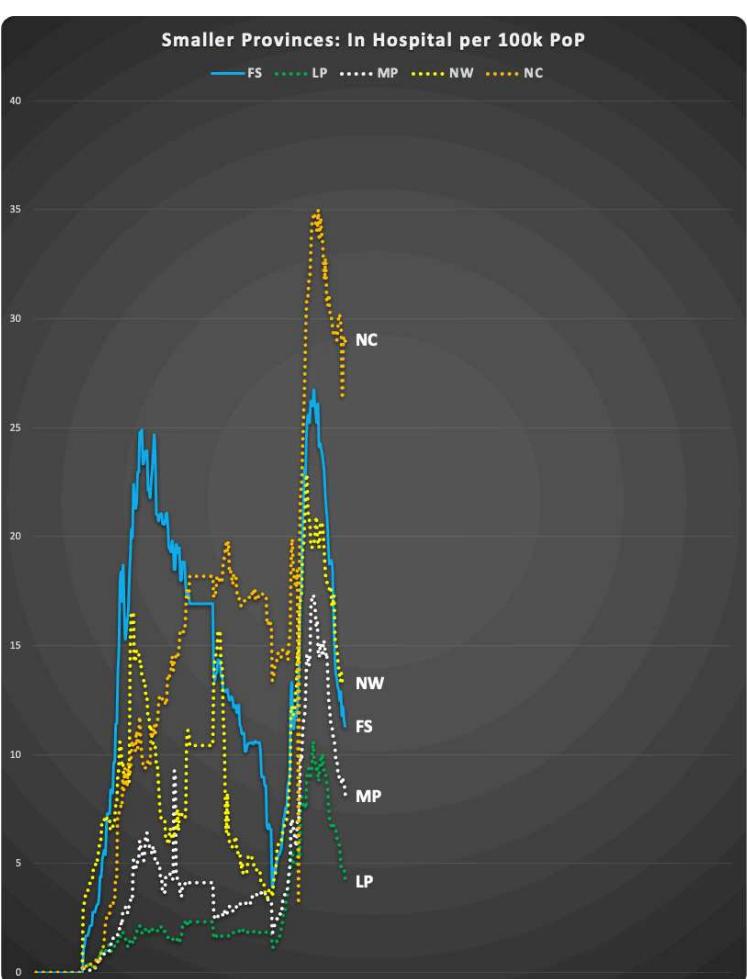
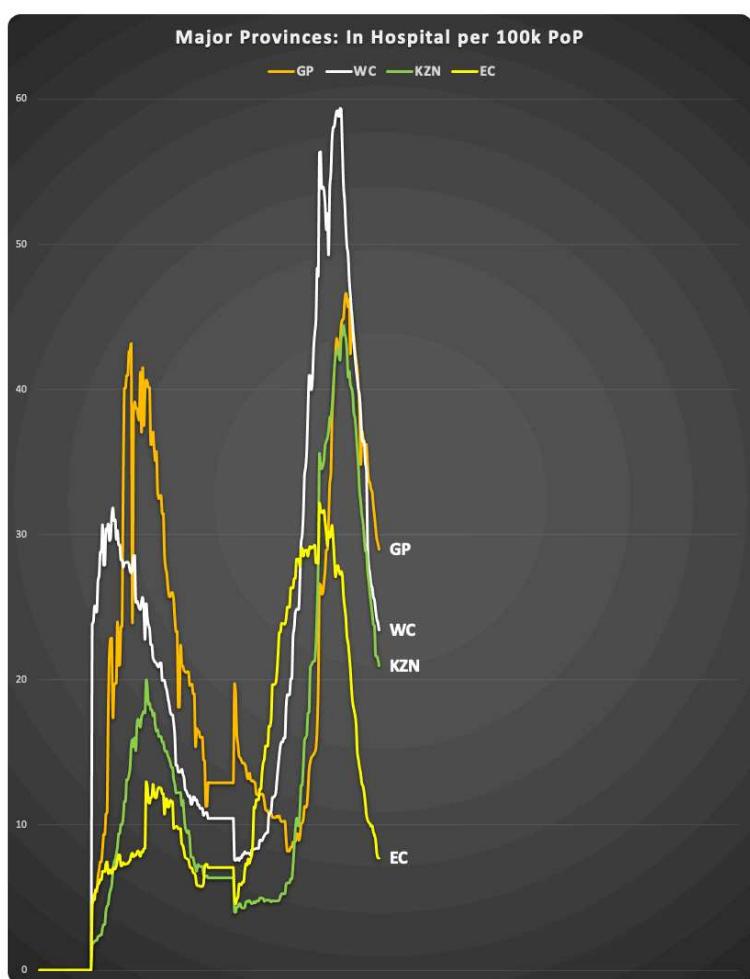
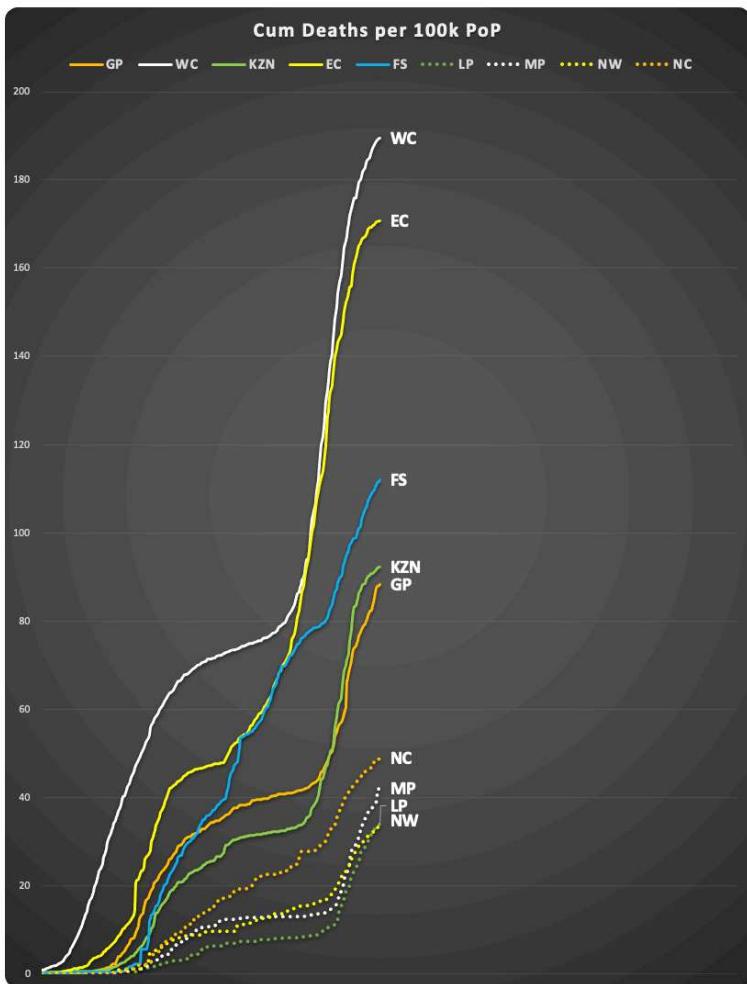
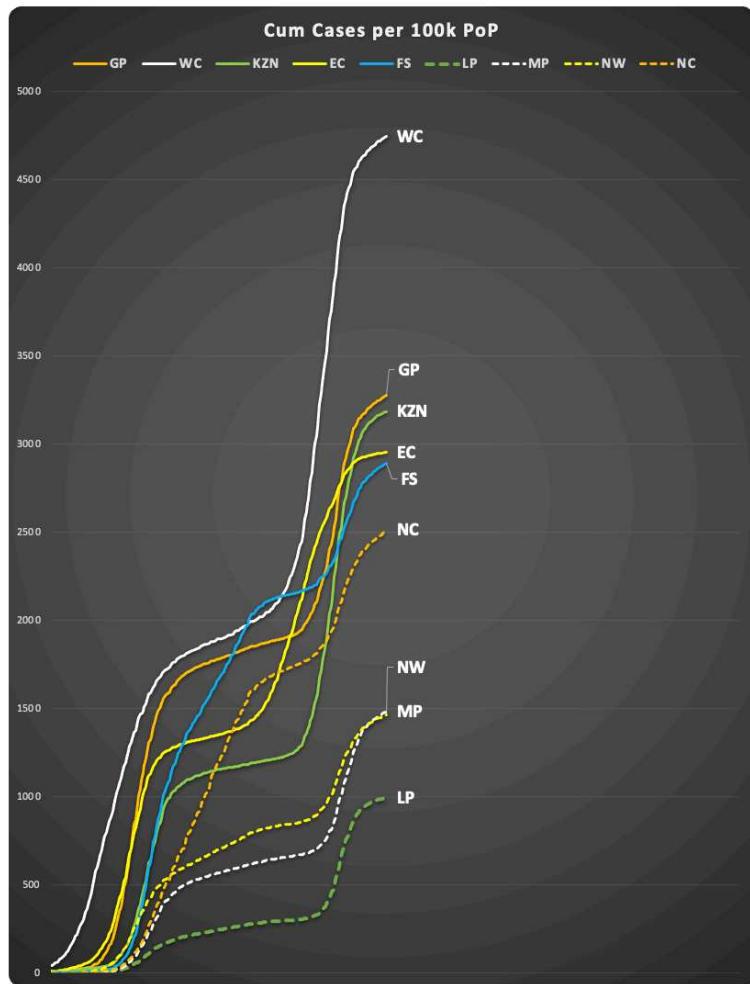
### RSA: Active Cases per 100k PoP



### RSA: Avg New Cases per week per 100k PoP

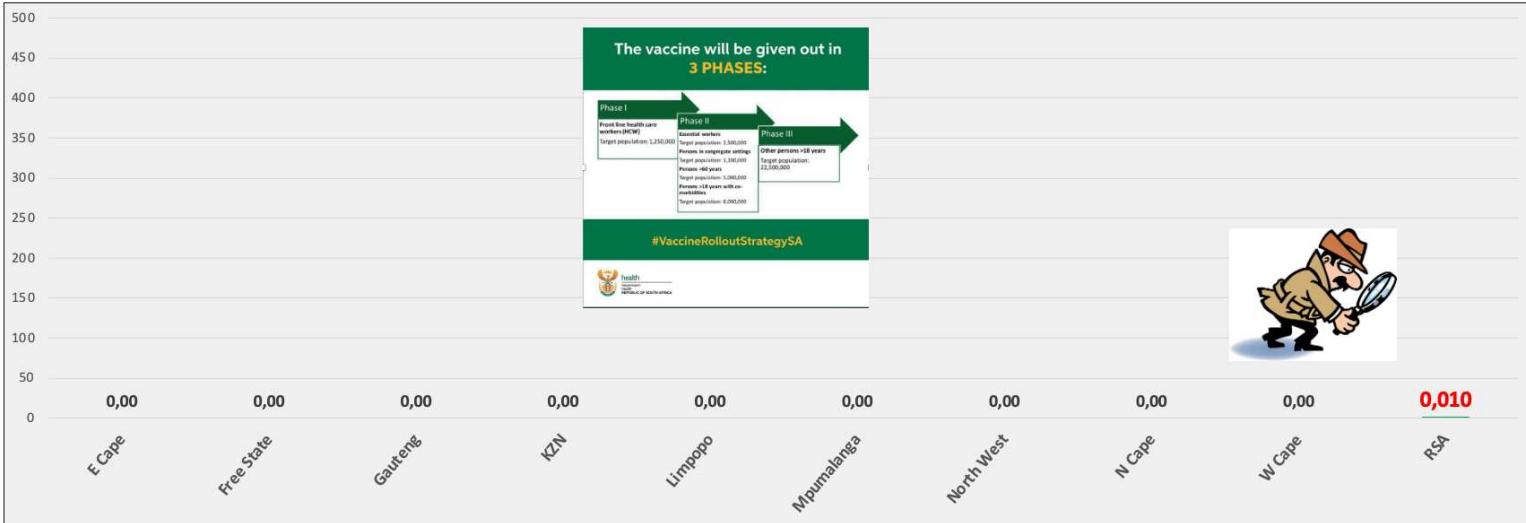


All linear scales



# Vaccination Data

## RSA: Vaccinations per 100k PoP :

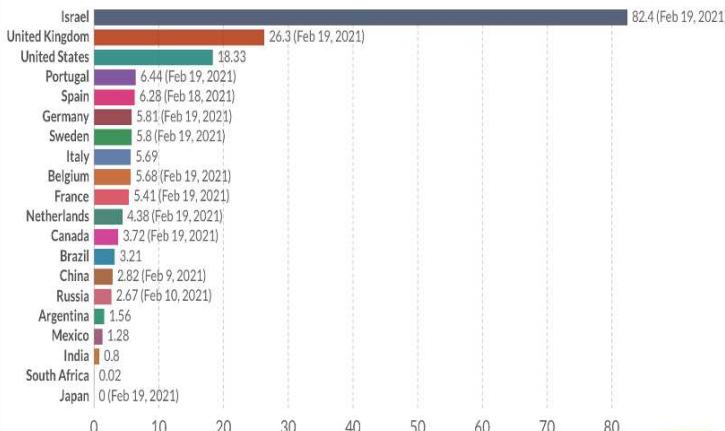


## Selected countries who publish their VAC data :

### COVID-19 vaccine doses administered per 100 people, Feb 20, 2021

Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).

[LINEAR](#) [LOG](#) [+ Add country](#)



Source: Official data collated by Our World in Data - Last updated 21 February, 08:45 (London time)

Our World in Data

### COVID-19 vaccine doses administered per 100 people, Feb 20, 2021

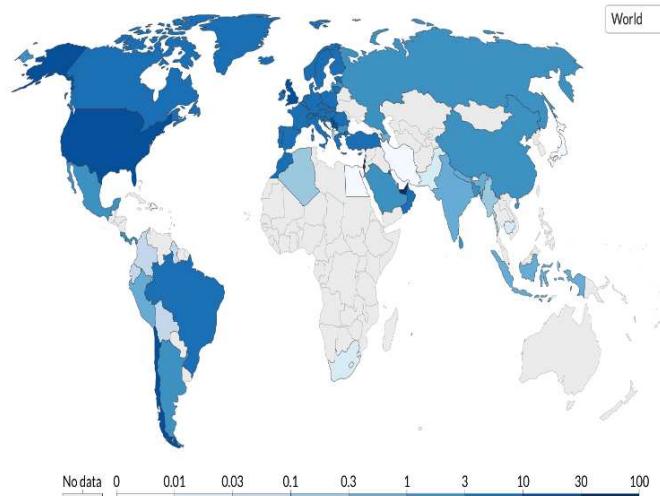
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).

[LINEAR](#) [LOG](#)

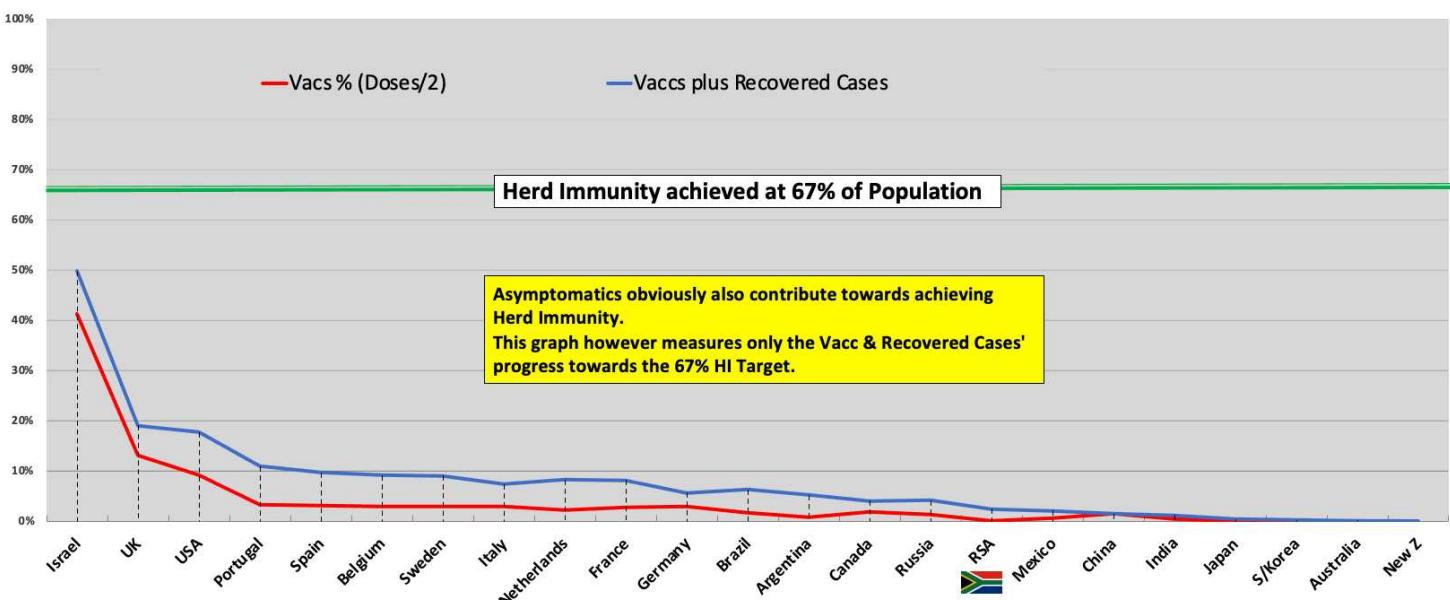
CC BY

Source: Official data collated by Our World in Data - Last updated 21 February, 08:45 (London time)

Our World in Data



## Selected Countries' Progress towards Herd Immunity (HI) :



Laughter is the best vaccine....



BEFORE COVID



AFTER COVID



Elementary School

