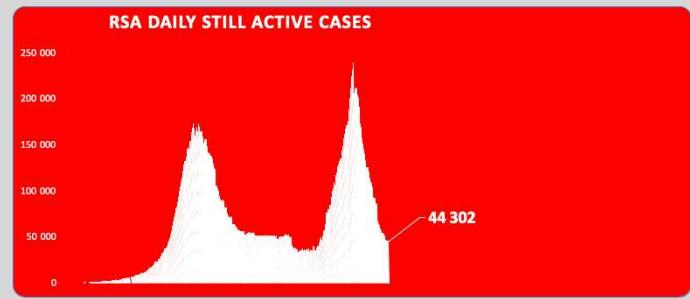
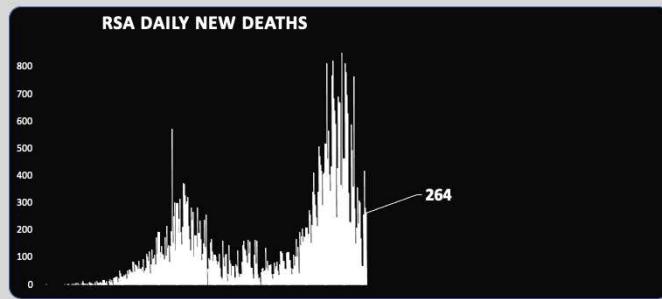
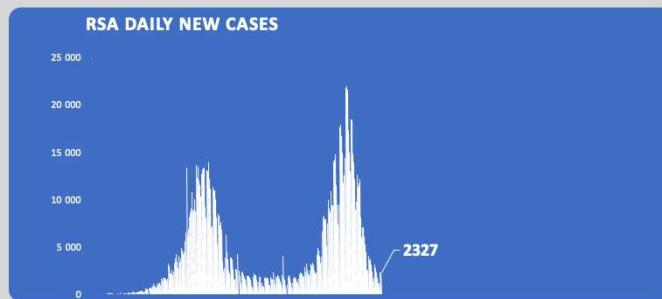
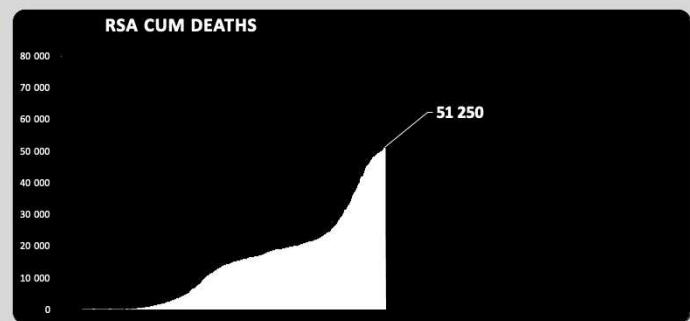
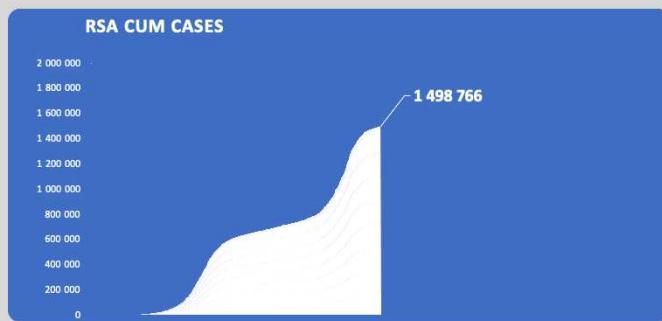


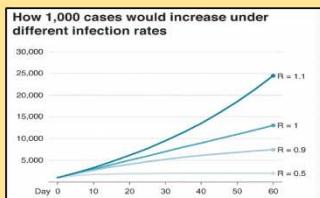
# HarryG COVID-19 Dashboard

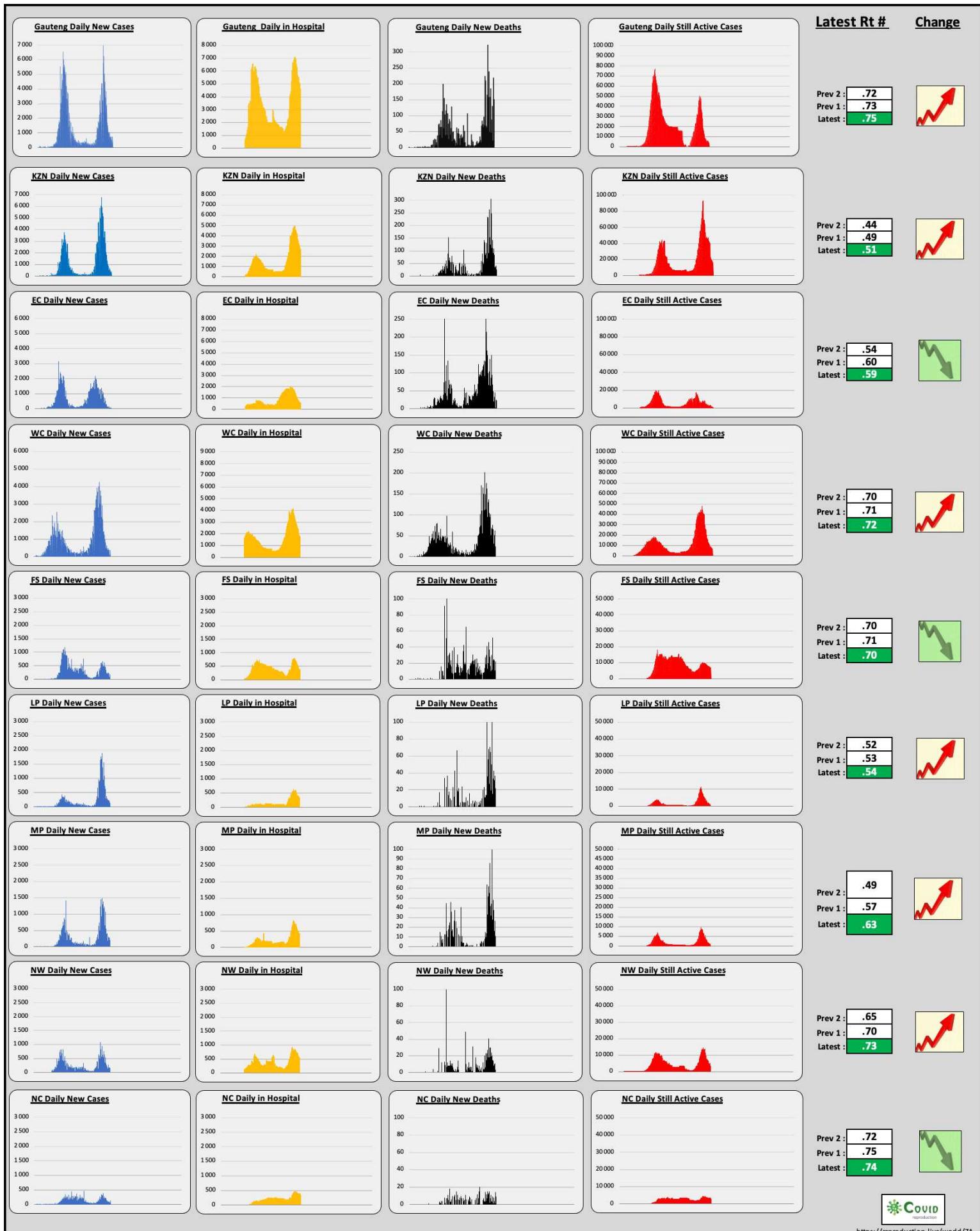


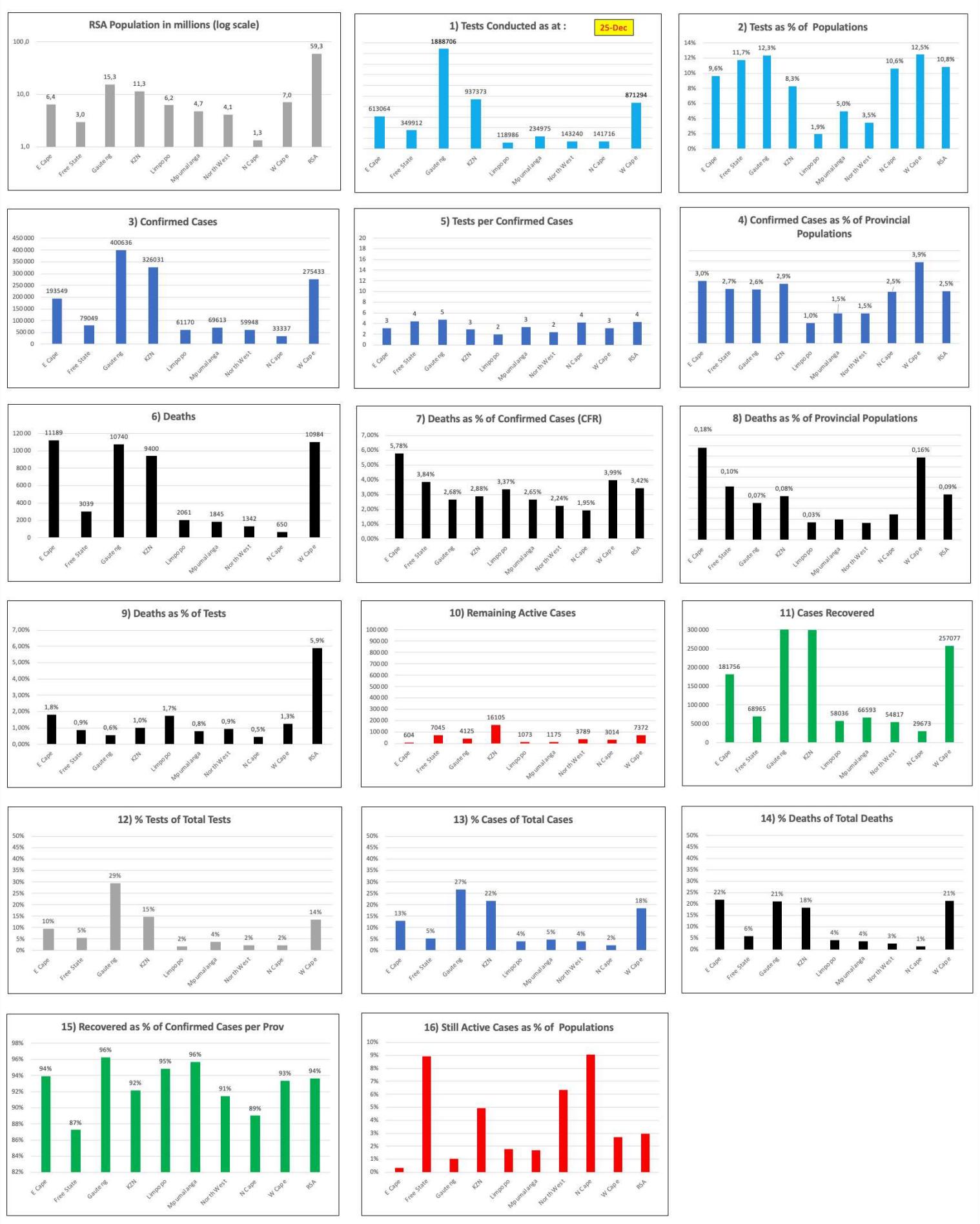
RSA Rt #

Prev 2 :	<b>.56</b>
Prev 1 :	<b>.60</b>
Latest :	<b>.63</b>

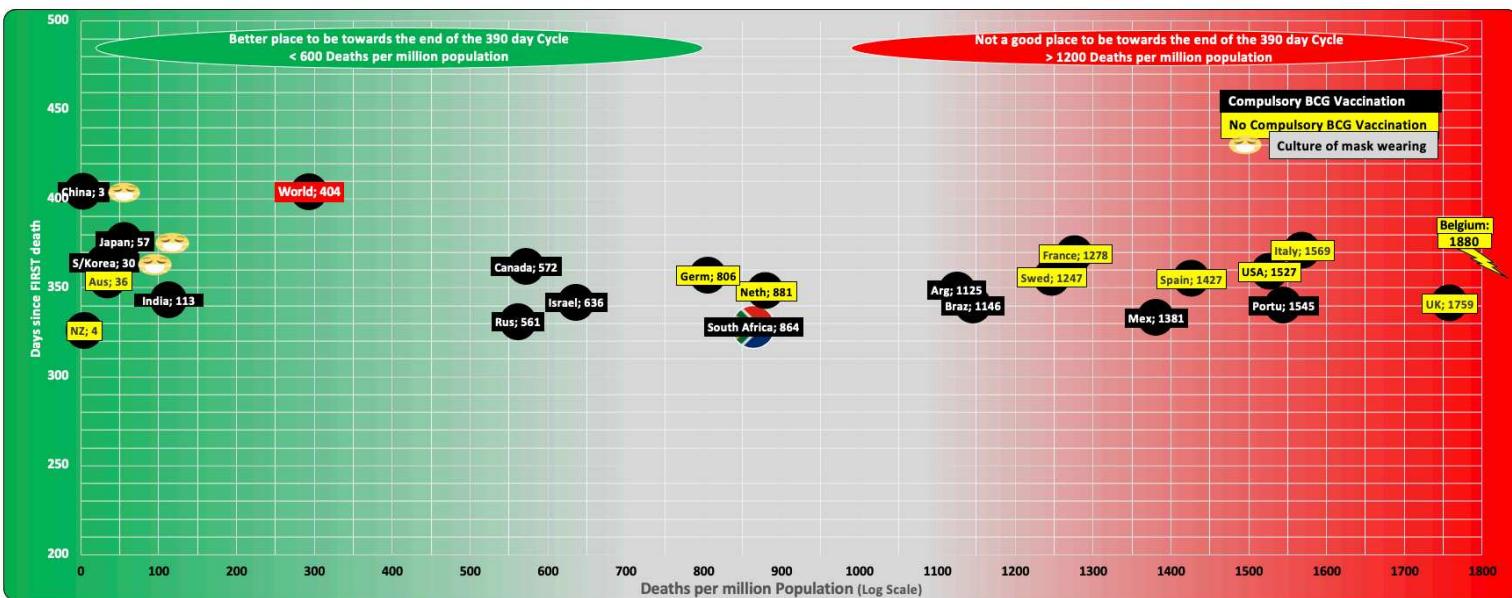
An R<sub>0</sub> below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. An R<sub>0</sub> above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.



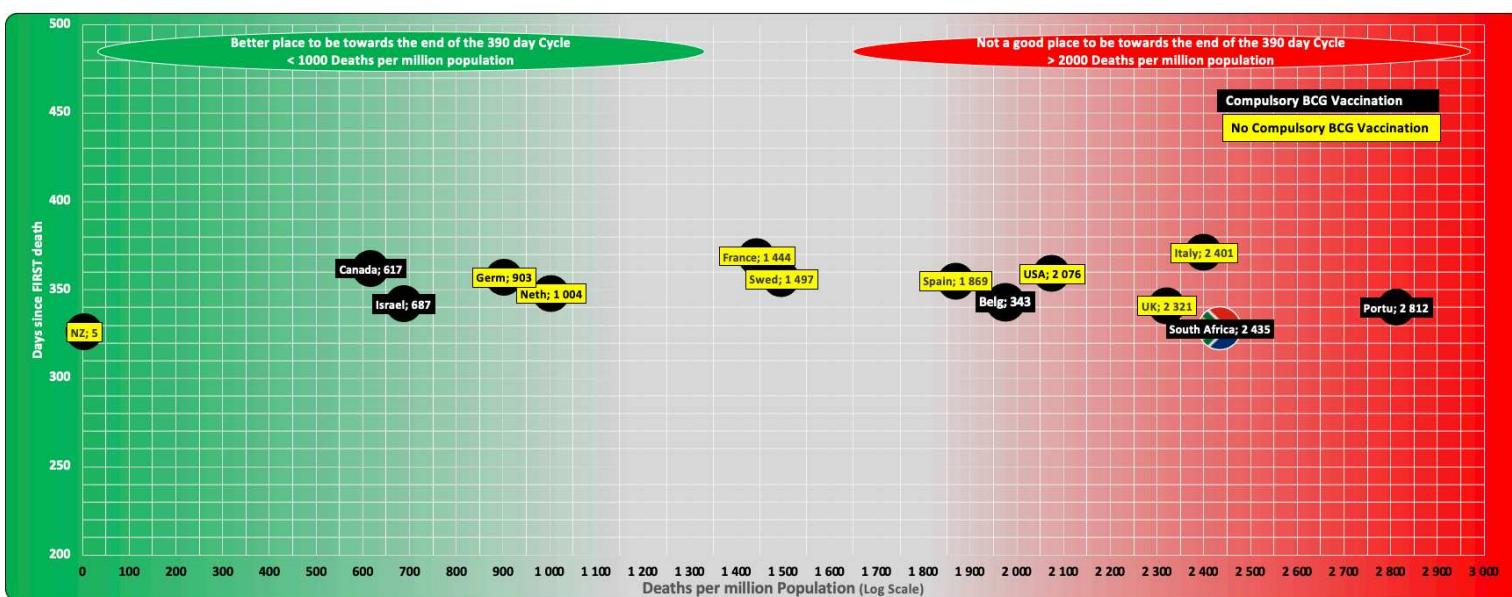
**RSA Provinces detailed daily Data and Trends Jan 2020 to Dec 2021****How old is the Data? : Cases 2-5 days, Hospitalisation 1-3 days, Deaths 4-10 days, Still Active Cases 4-10 days, Rt #'s 3-10 days**

**RSA Covid Stats: National & Provincial Data & Ratios**

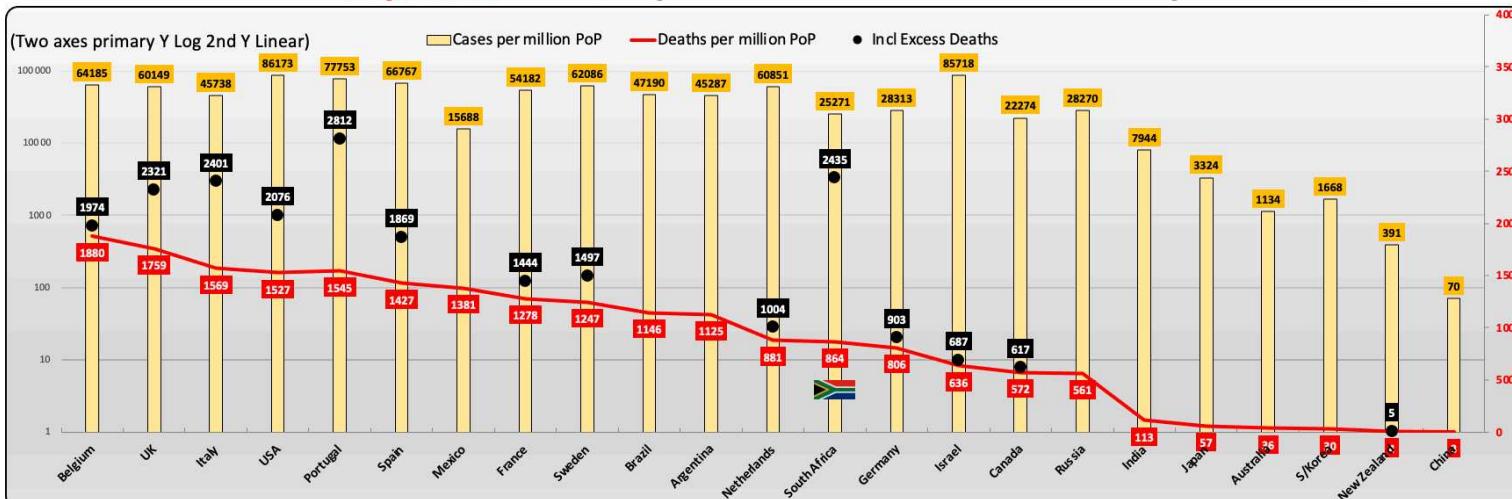
## Selected Countries' Reported Deaths per mill PoP



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



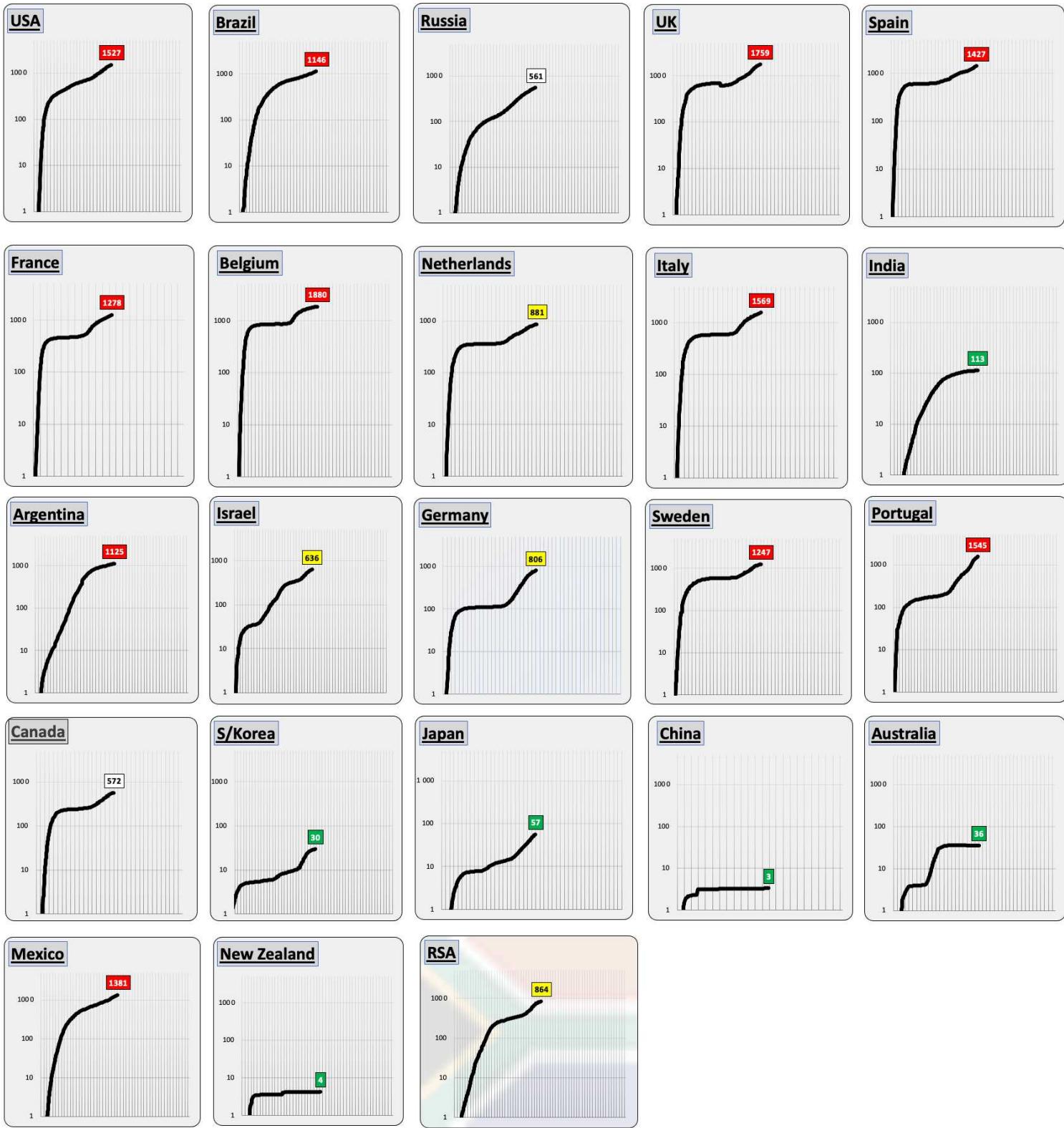
## Selected Countries' Reported Cases, Reported Deaths & Excess Deaths per mill PoP



### Cum Reported Deaths per mill PoP for selected cou

All on same Log Scale (compare Apples with Apples)

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

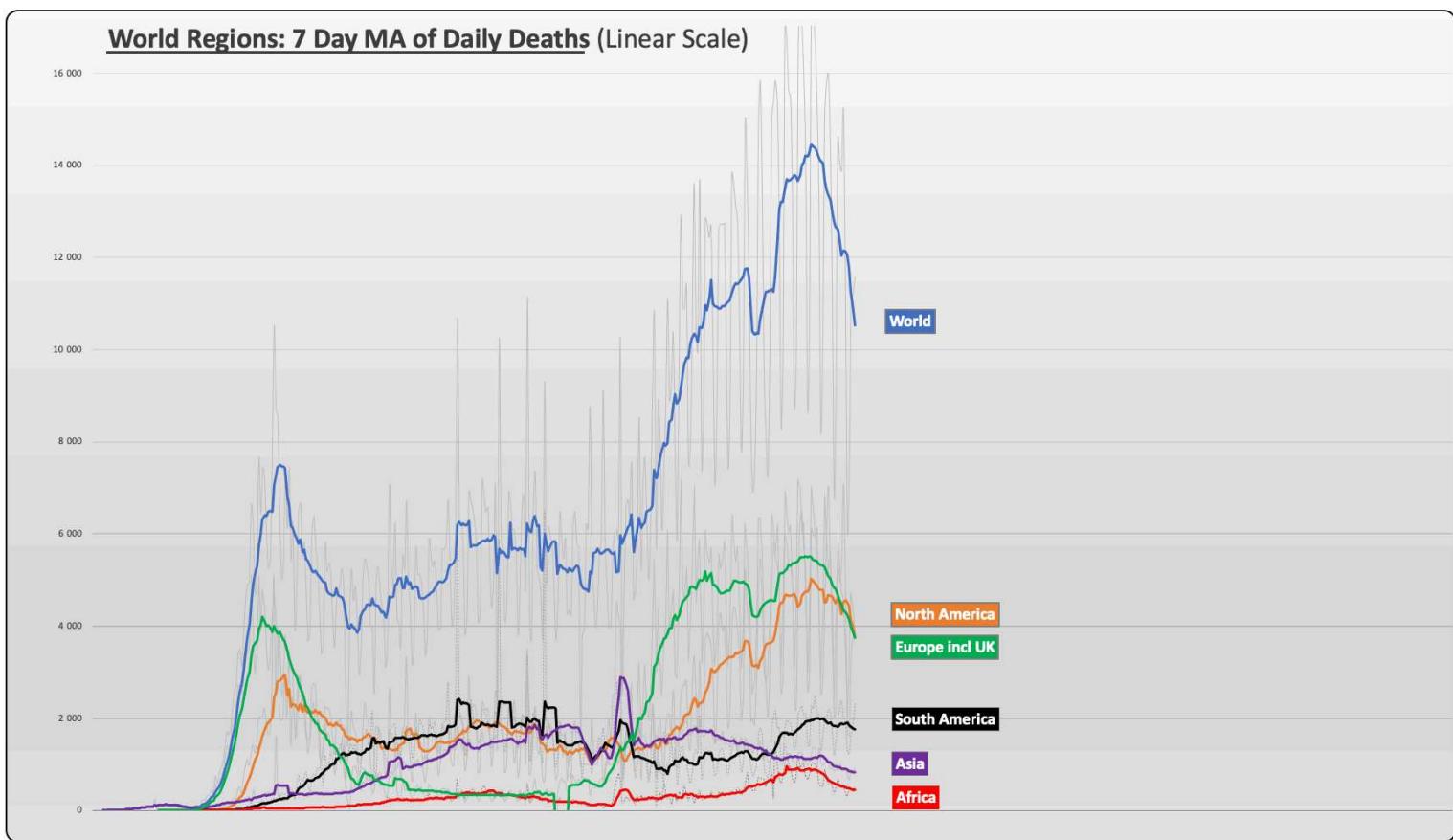
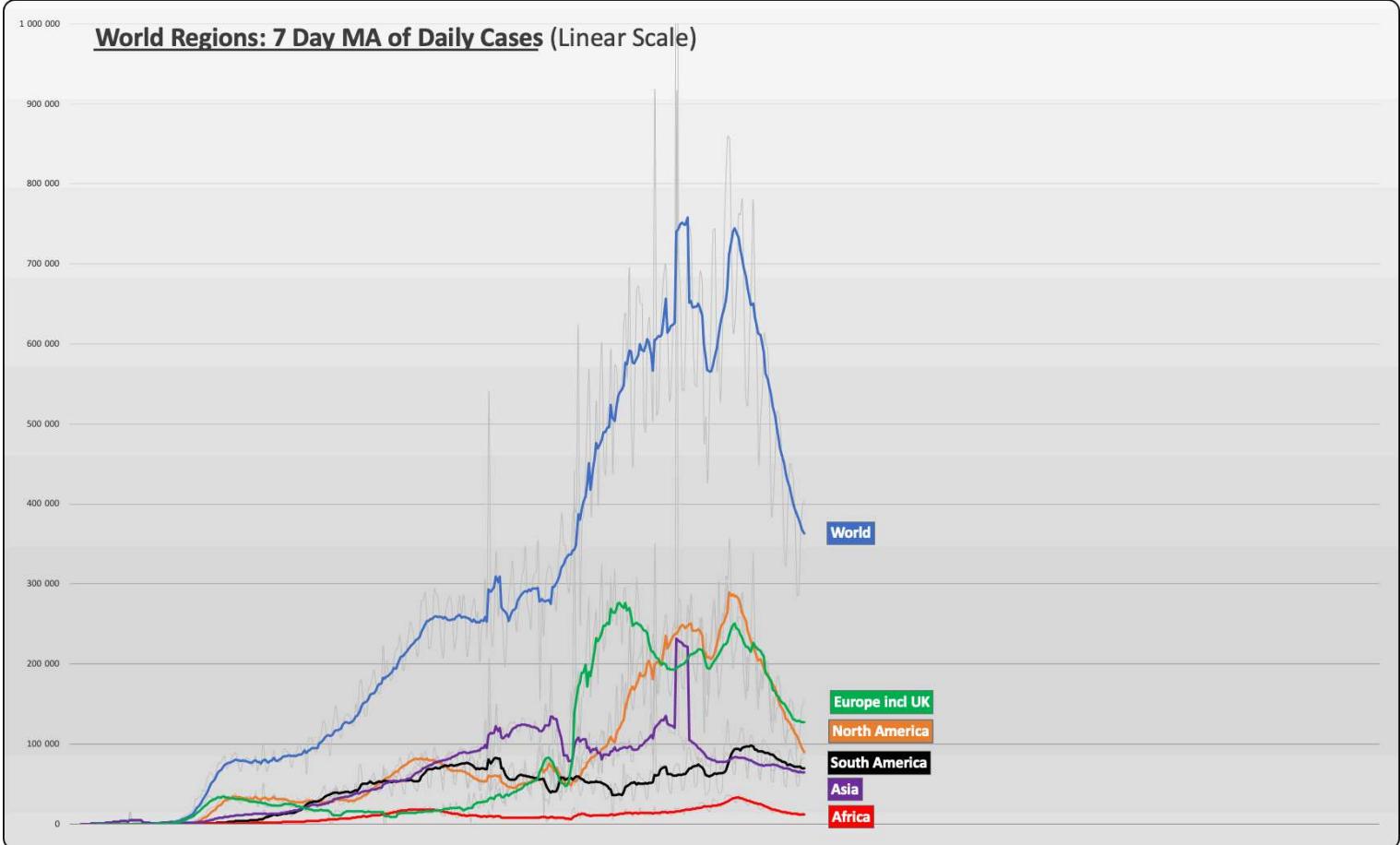


**Daily Reported Deaths Curves plus 7 Day MA  
also Rate of Onset/Next Wave "Inclinometers"**

Peaked but spiking again  
Passed peak but could rebound OR next wave  
Well past peak, unlikely to rebound

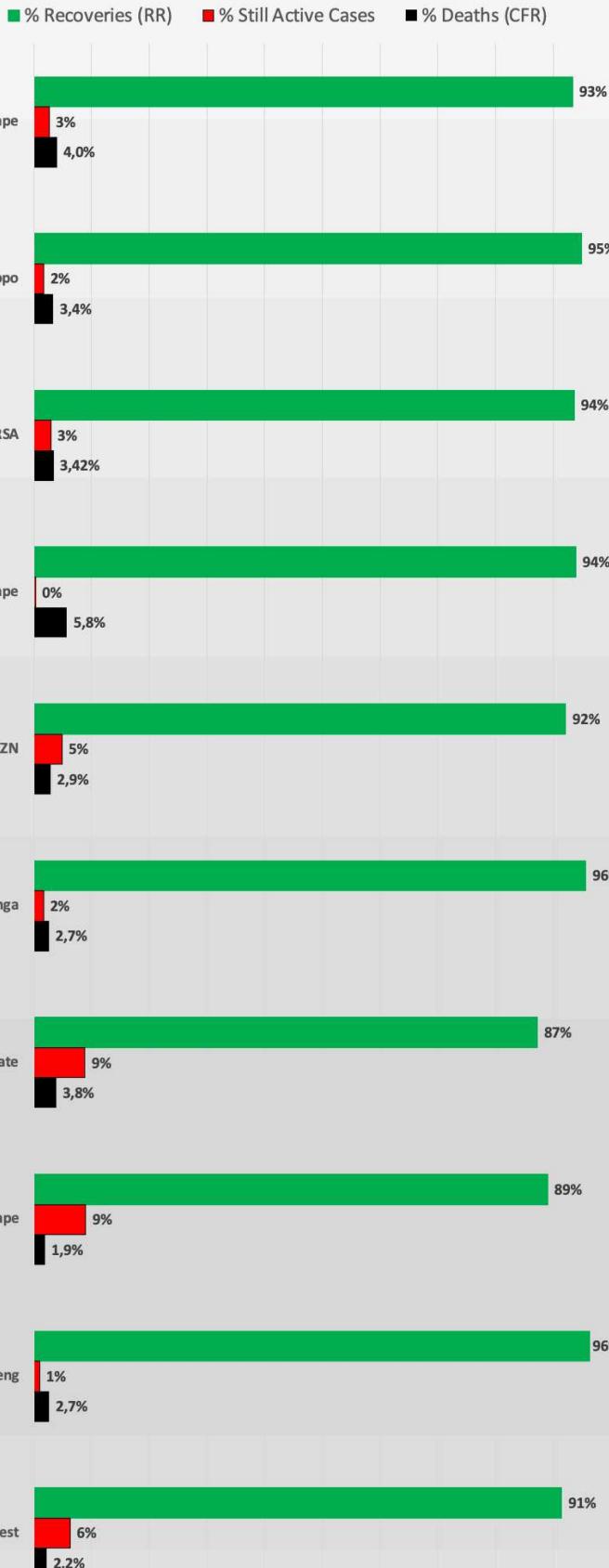
● Onset/1st wave  
● Next waves



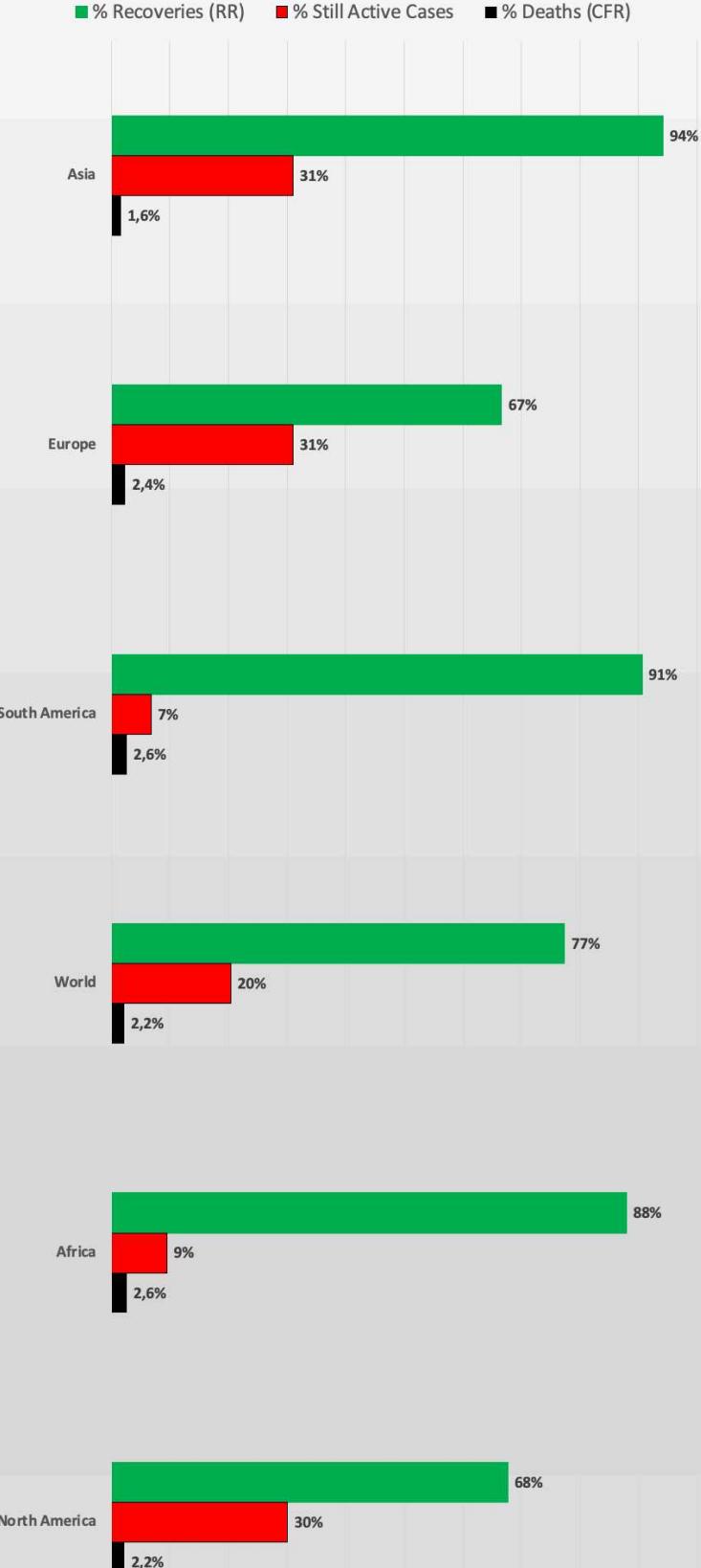


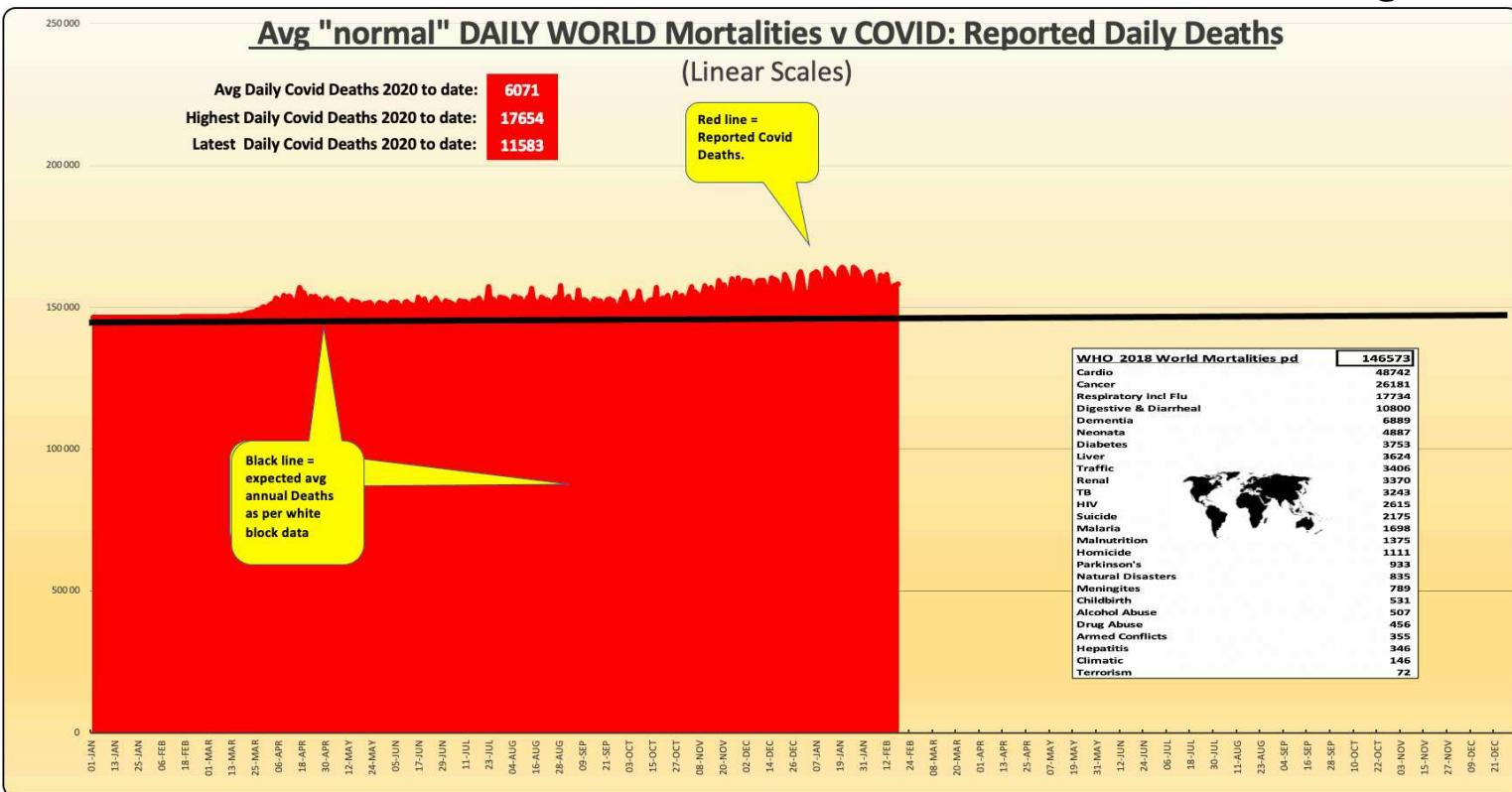
## RSA & Provinces v World Data

**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**



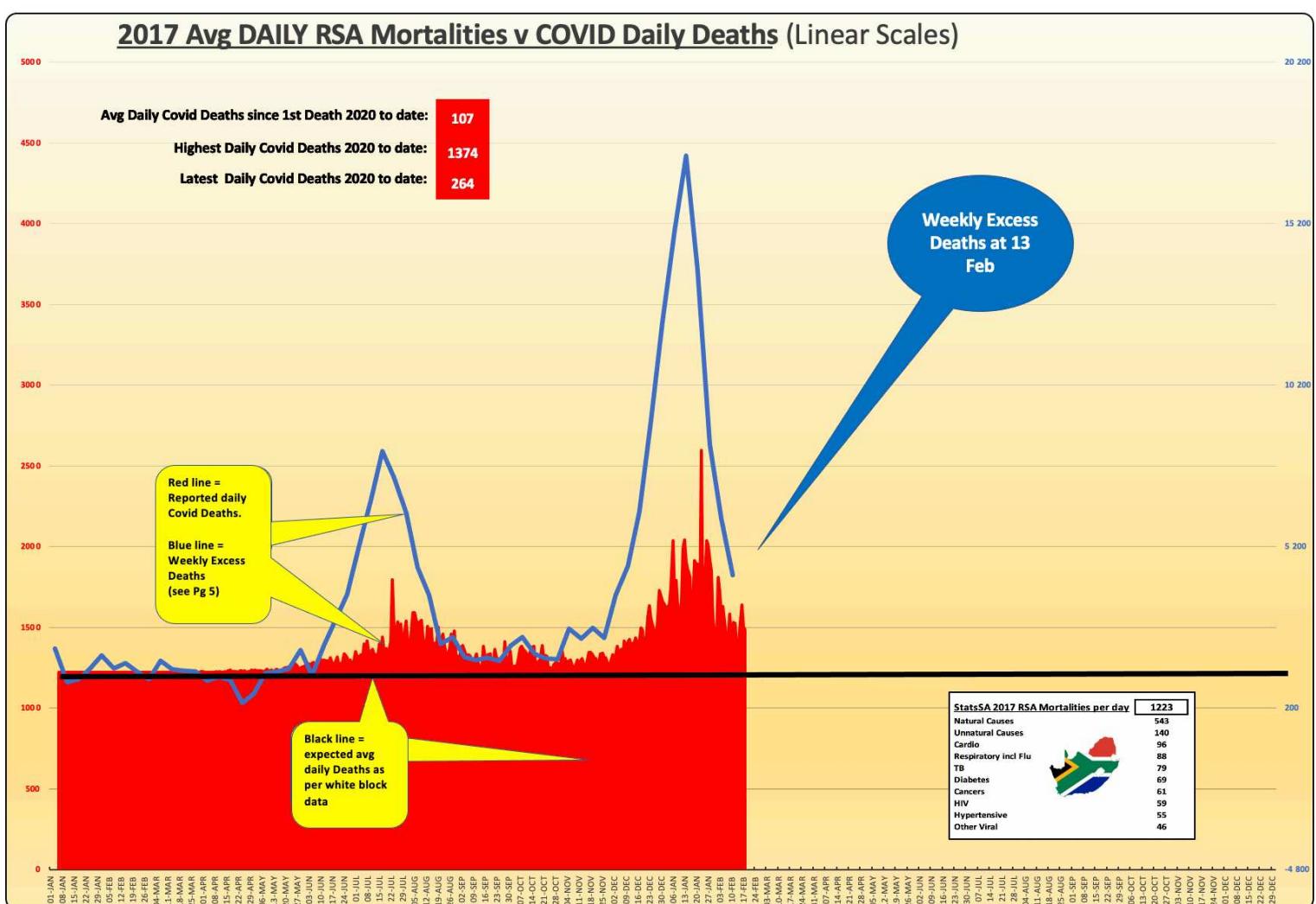


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

The big RED blocks are TOTAL Daily Avg Deaths from ALL causes over a full calendar year.

**The RED area/lines on top of the red blocks are the INCREMENTAL Actual Daily Deaths due to Covid as officially reported.**

The BLUE line in the bottom RSA graph shows the SAMRC Excess Deaths per week numbers.

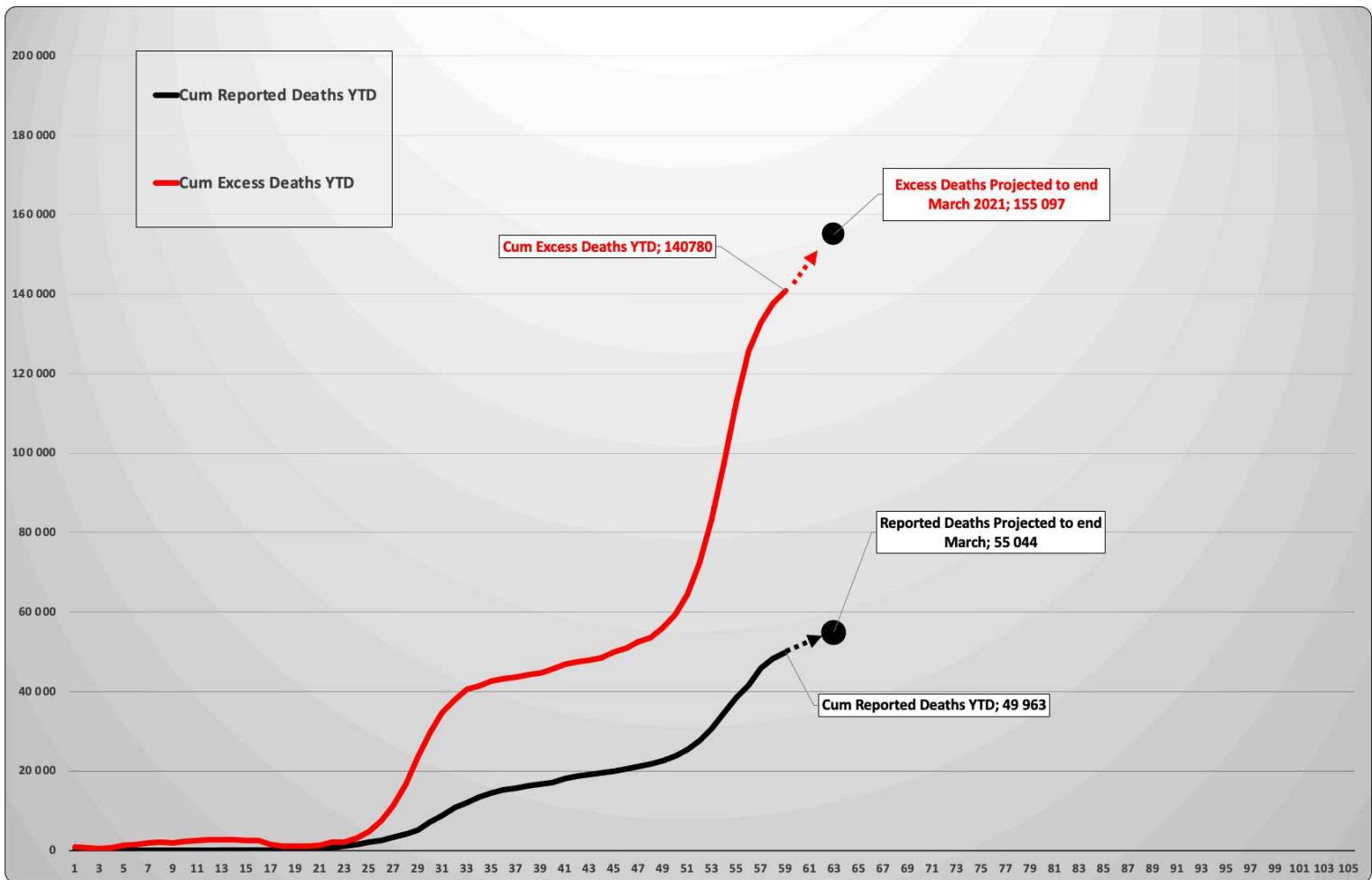


# Covid Deaths: Reported and Excess Deaths

Page 3.3

## Cum Totals to date & Projections for end March 2021

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



Cum Excess Deaths % of Reported Deaths as at 13 Feb:

**181,8%**

Selected Countries :

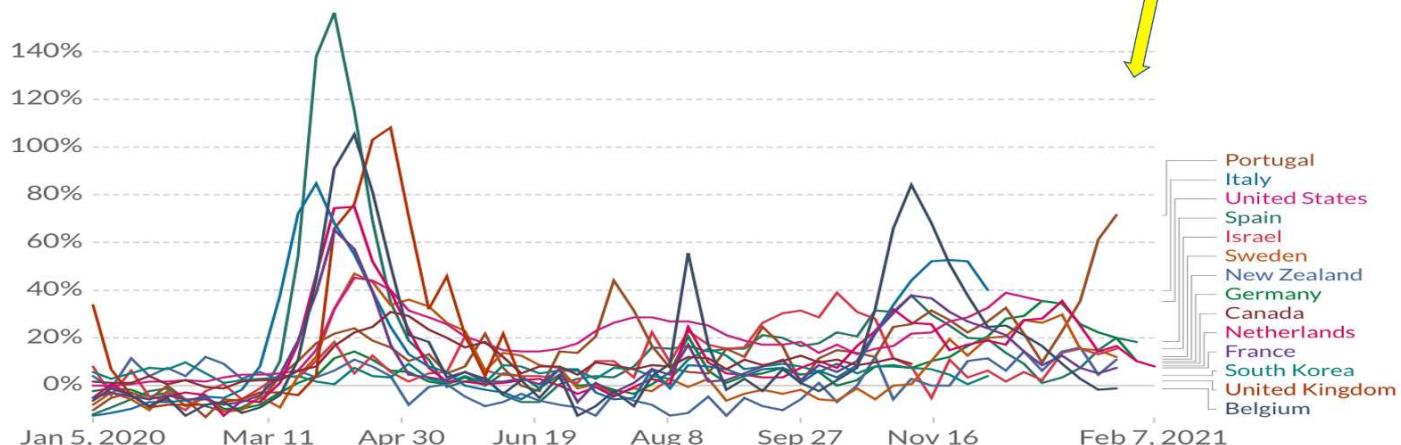
**avg approx 15%**

Our World  
in Data

### Excess mortality during COVID-19: Deaths from all causes compared to previous years, all ages

Shown is how the number of weekly deaths in 2020–2021 differs as a percentage from the average number of deaths in the same week over the years 2015–2019. This metric is called the P-score. We do not show data from the most recent weeks because it is incomplete due to delays in death reporting.

+ Add country



Source: Human Mortality Database (2021), UK Office for National Statistics (2020)

CC BY

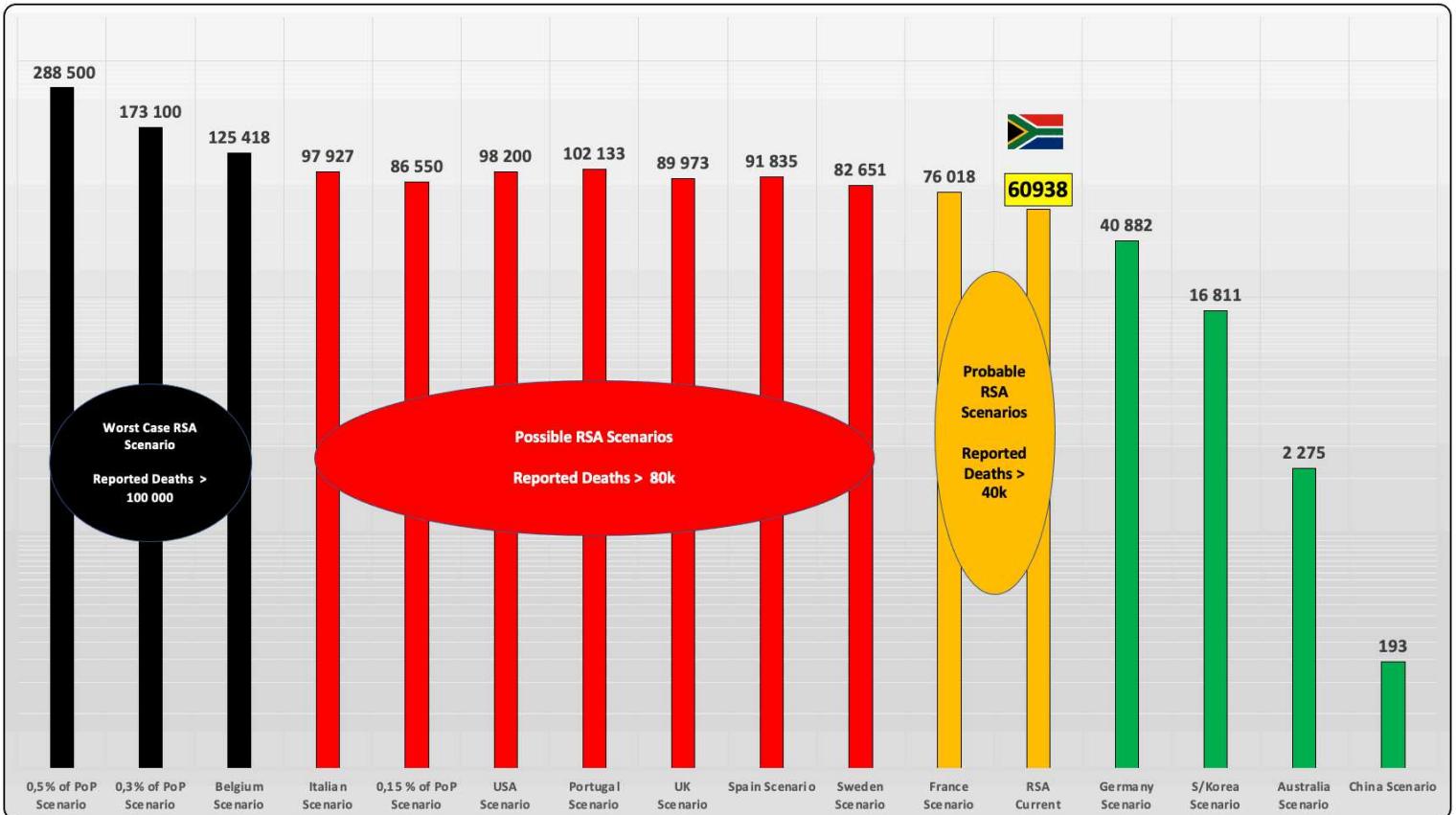
Data as at: 23 January 2021

Unless otherwise indicated

hdg 19 February 2021

**RSA Covid Reported Mortality Scenarios & Projections for end Mch 2021** (390 day cycle)

15 Scenarios and 1 Projection (Log Scale)

**Key:**

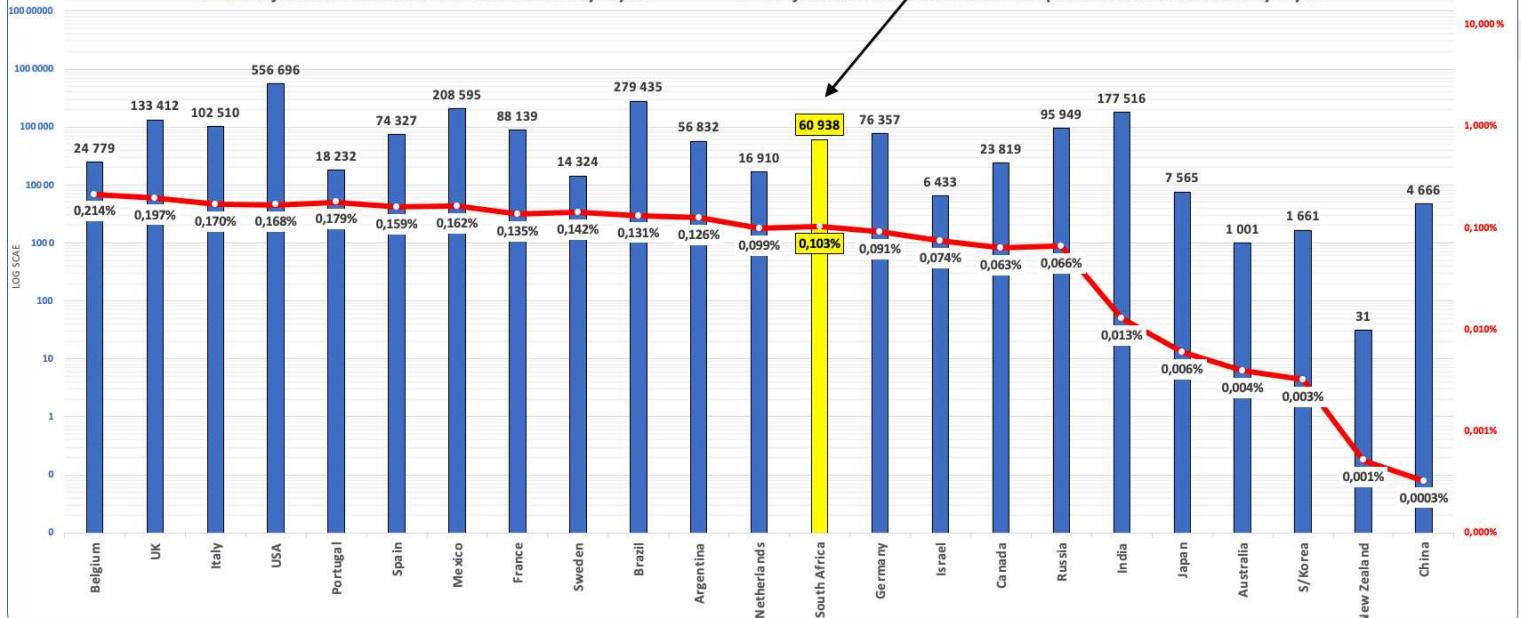
All Scenarios duly adjusted daily for population size and for the different timelines into the deemed 390 day pandemic cycle.

This number is simply the avg daily Deaths as reported to date x 390 (deemed cycle).

**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



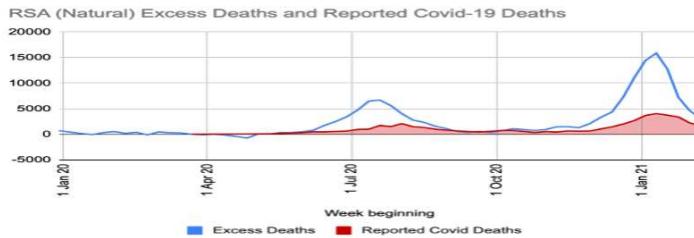
Note: Above Mortality %'s are overall projected mortality of the populations (PMR), NOT deaths of only those infected (CFR).

## RSA Excess Deaths as per SA Medical Research Council

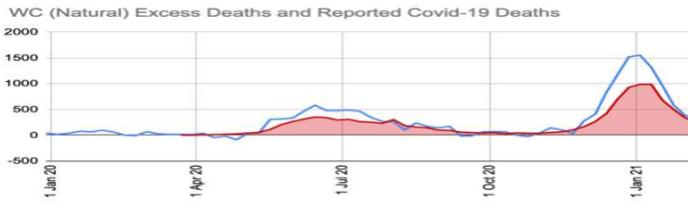
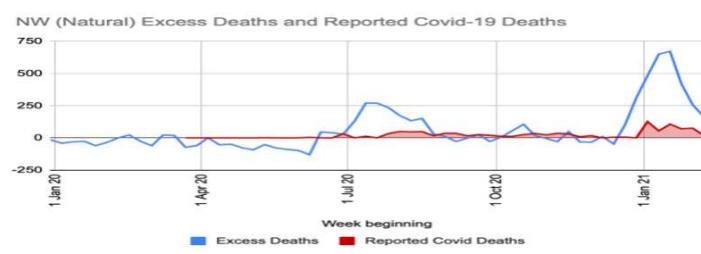
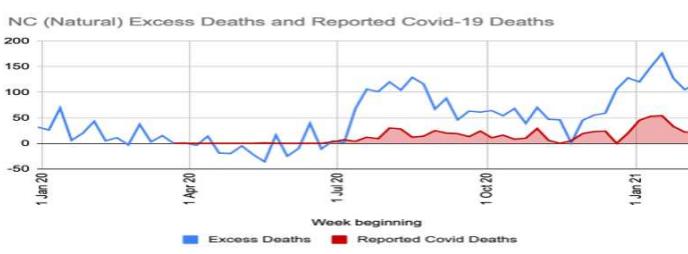
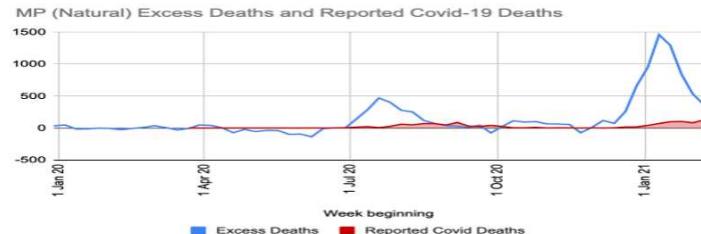
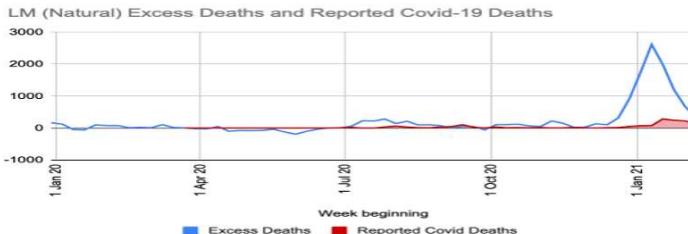
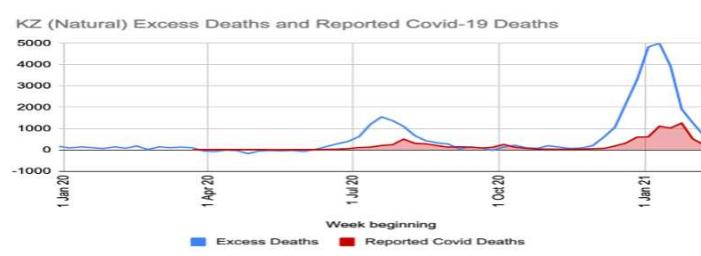
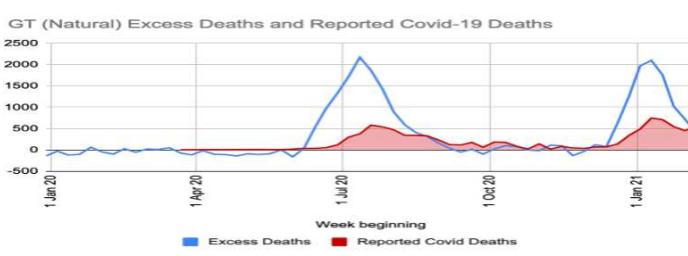
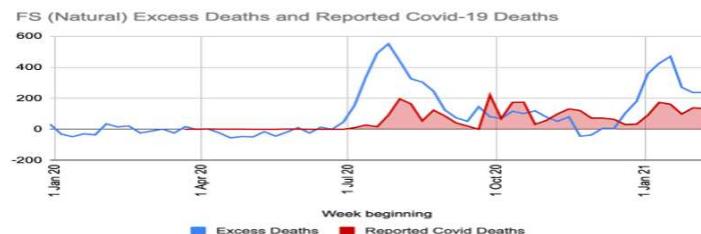
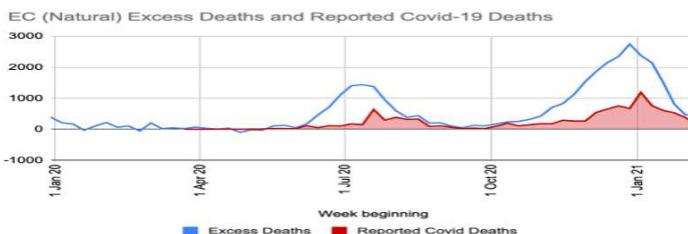
Data as at:

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 socalled "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).

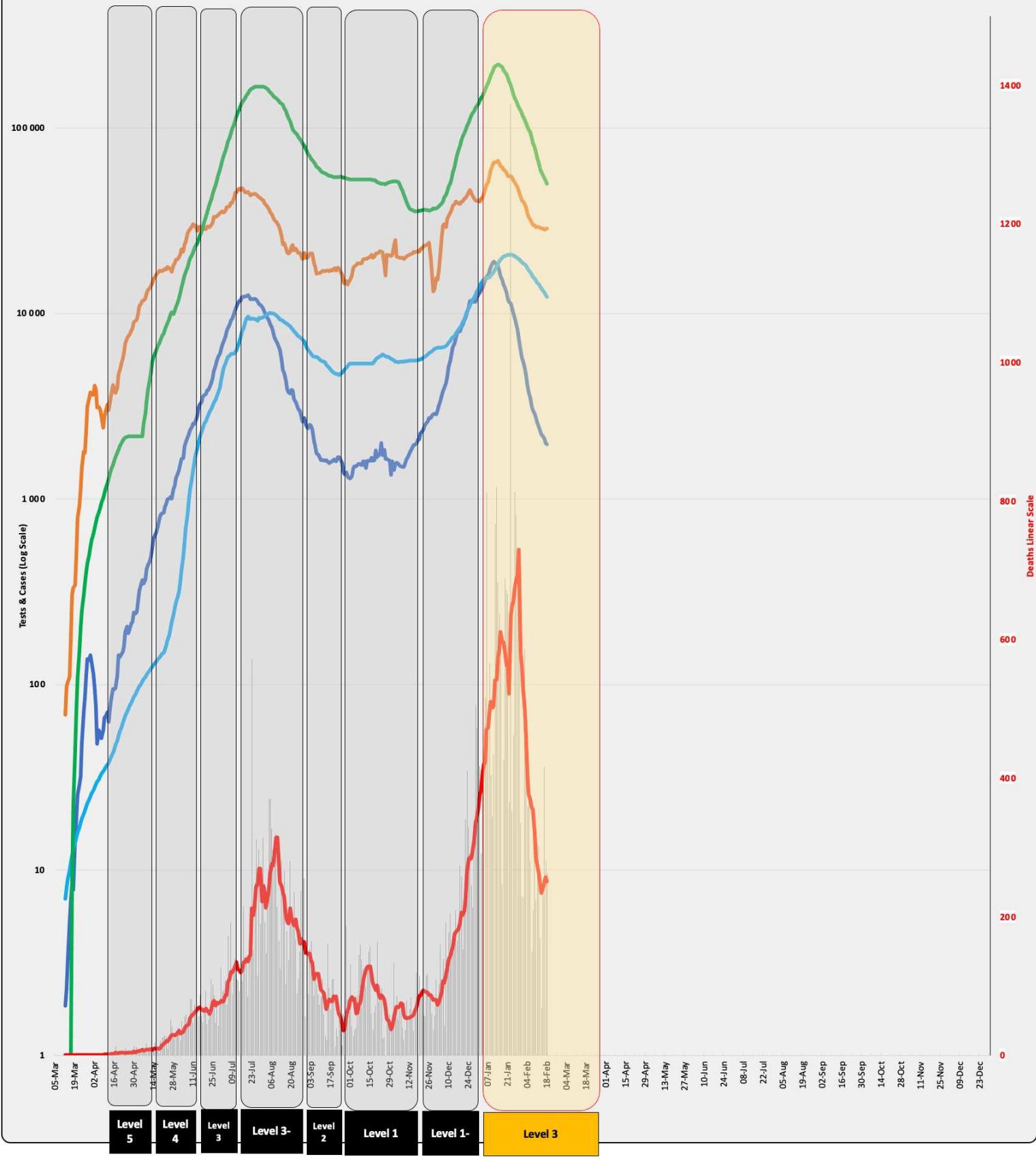
Data as at:

Latest Available

hdg 19 February 2021

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

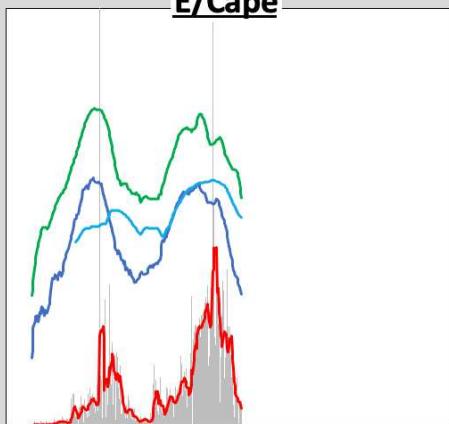
— Daily Tests — Daily Cases — In Hospital — Active Cases — Daily Deaths



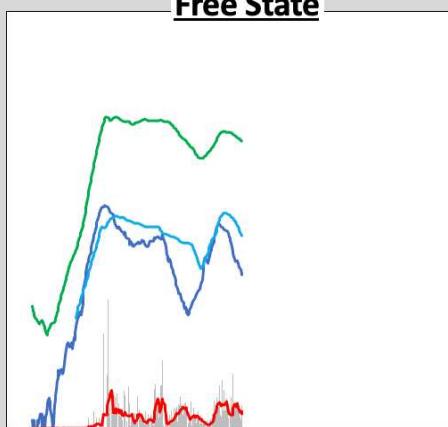
**RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)**

**Daily Cases    In Hospital    Active Cases    Daily Deaths**

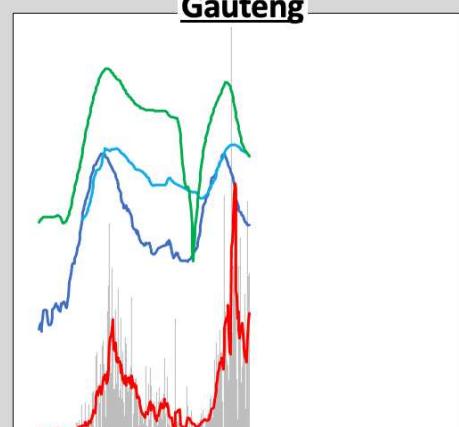
**E/Cape**



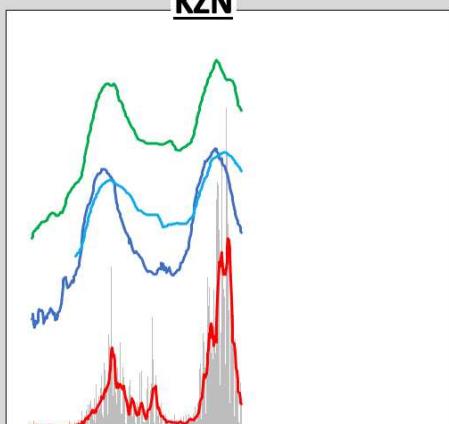
**Free State**



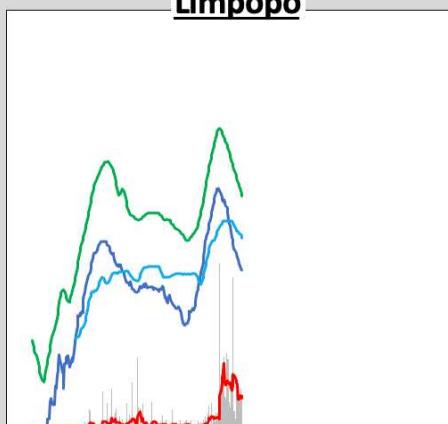
**Gauteng**



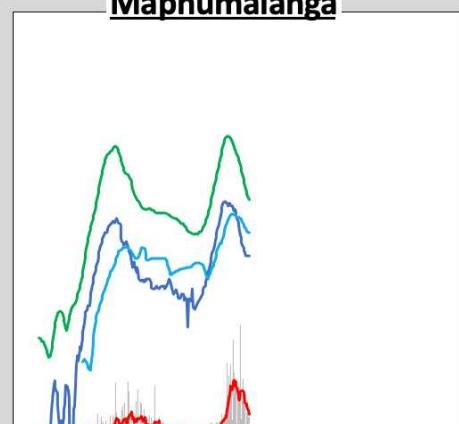
**KZN**



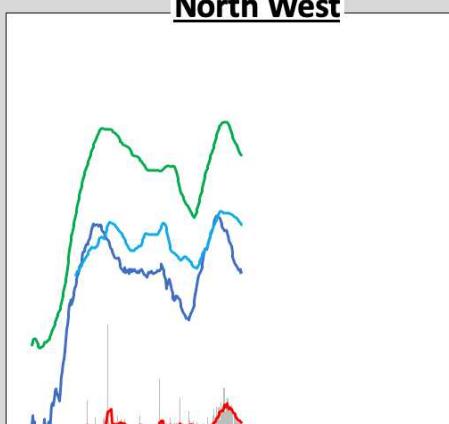
**Limpopo**



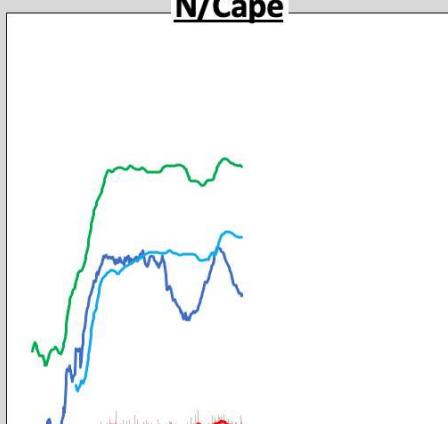
**Maphumalanga**



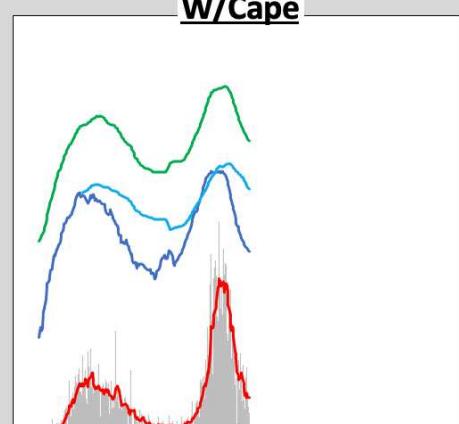
**North West**



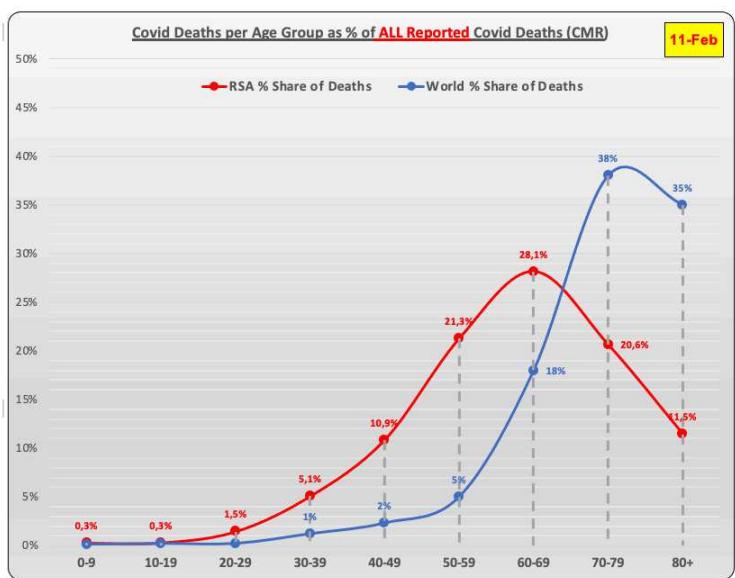
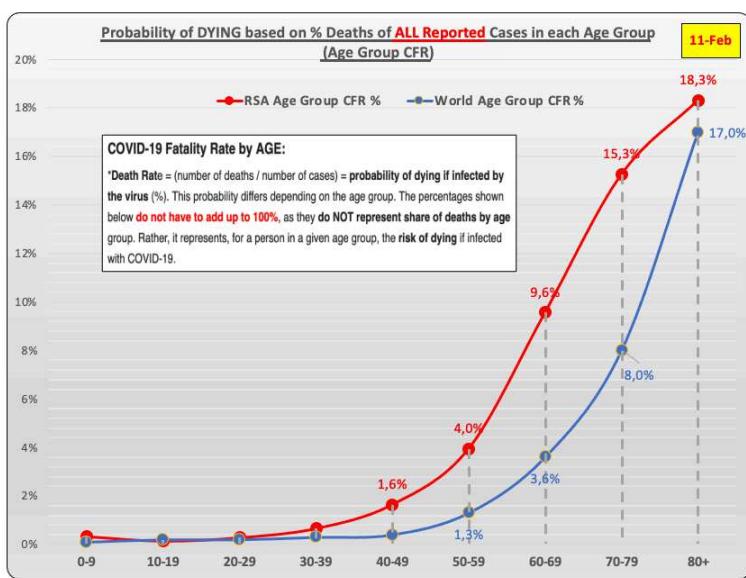
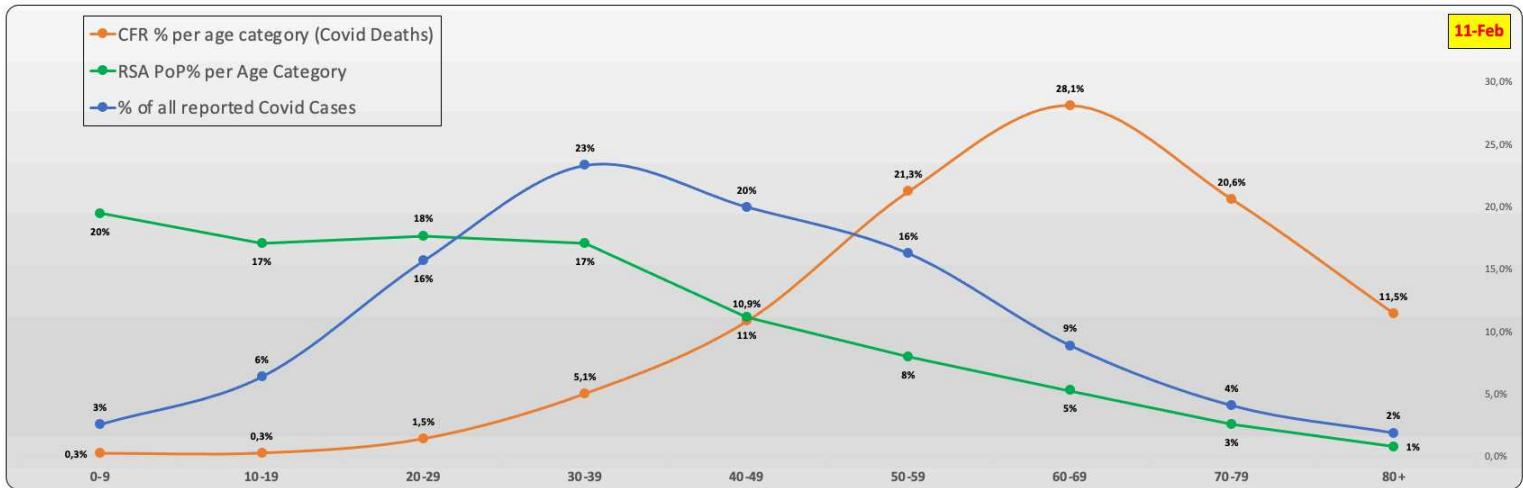
**N/Cape**



**W/Cape**

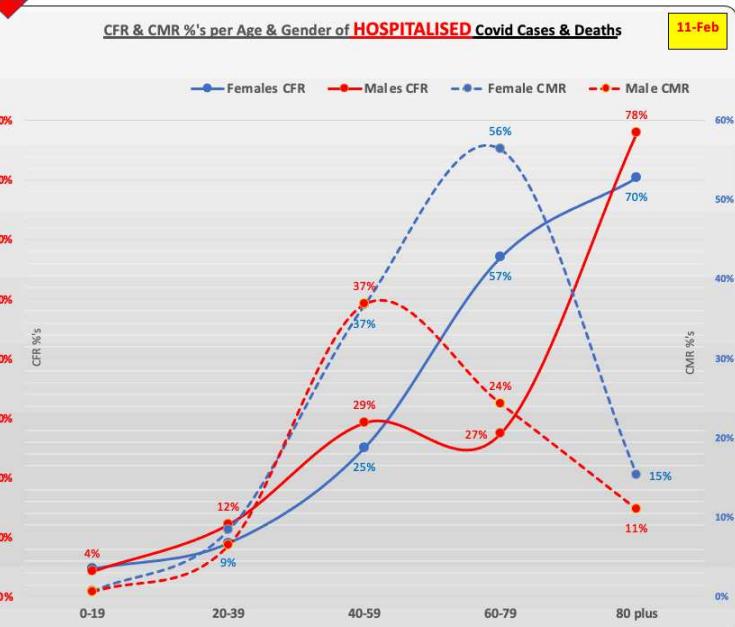
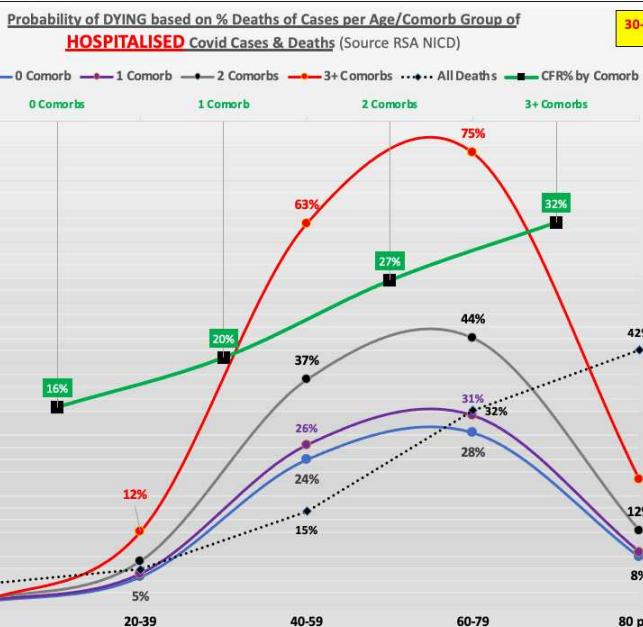


## RSA Age & Gender Stats

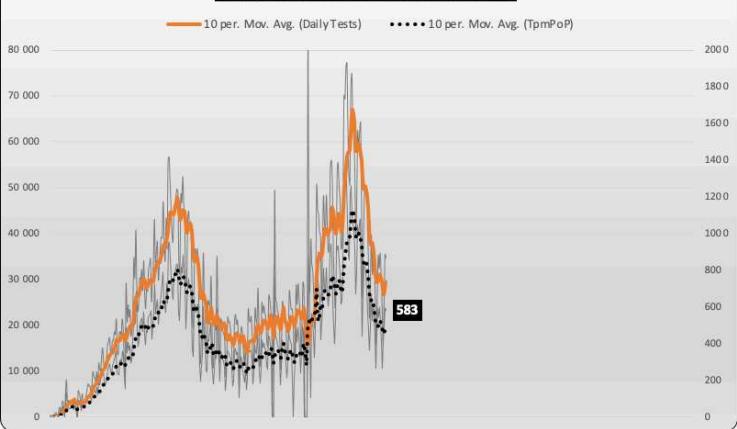


### COVID-19 Fatality Rate by AGE:

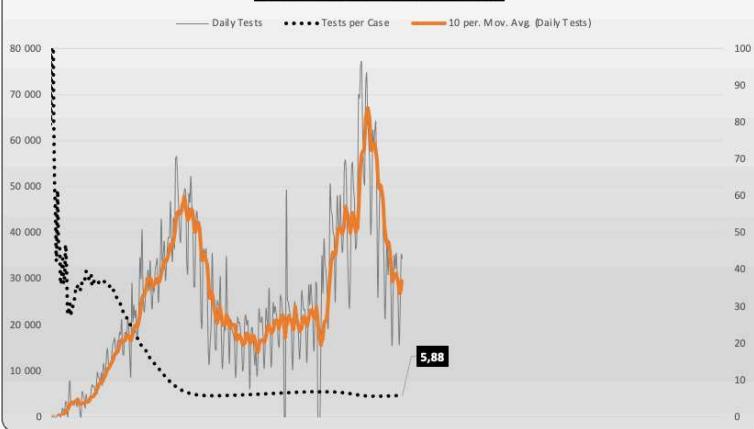
\*Death Rate = (number of deaths / number of cases) = probability of dying if infected by the virus (%). This probability differs depending on the age group. The percentages shown below do not have to add up to 100%, as they do NOT represent share of deaths by age group. Rather, it represents, for a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



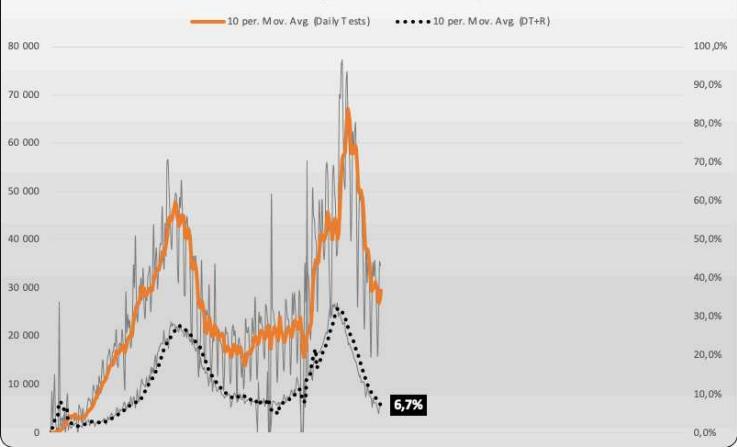
### RSA: Daily Tests per million PoP



### RSA: Daily Tests per +Case



### RSA: Daily Tests Positivity %



### RSA Doubling Times in Days



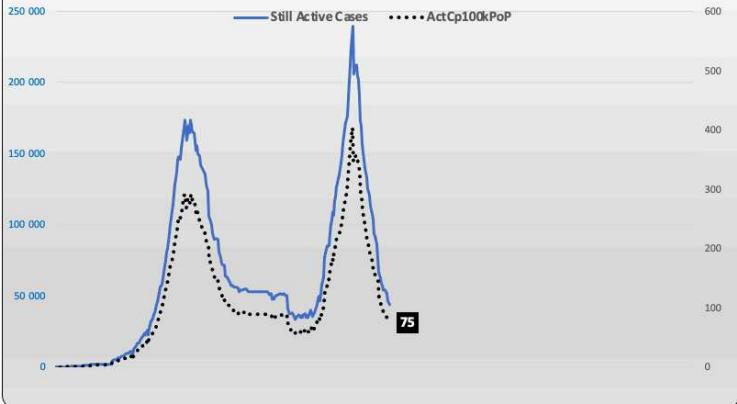
### RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)



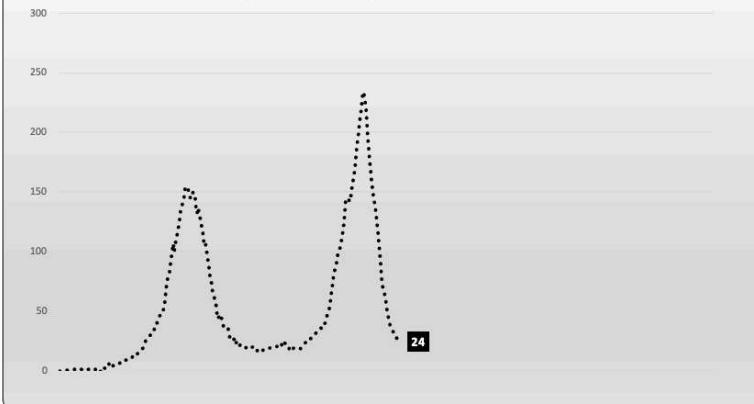
### RSA: Deaths as % of Cases (CFR)



### RSA: Active Cases per 100k PoP

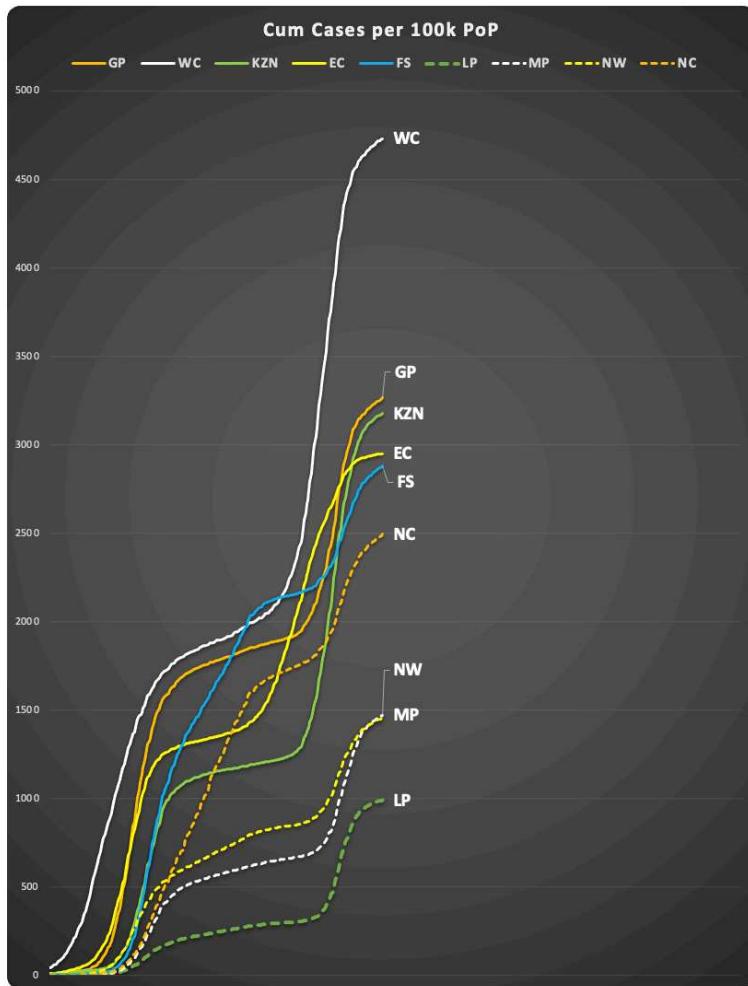


### RSA: Avg New Cases per week per 100k PoP

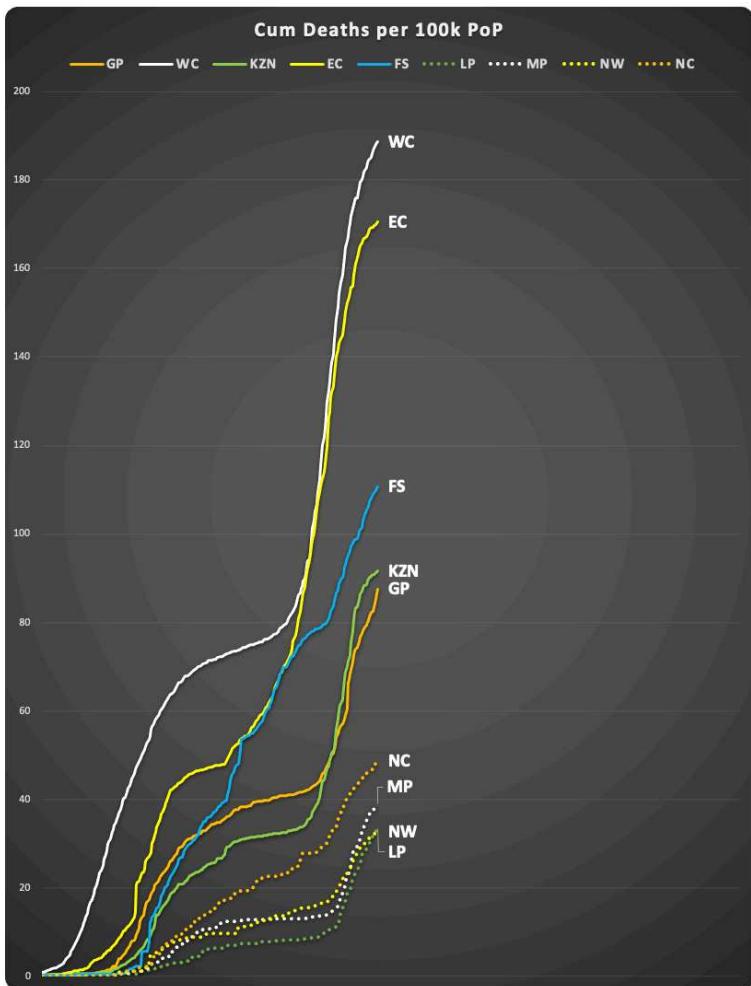


All linear scales

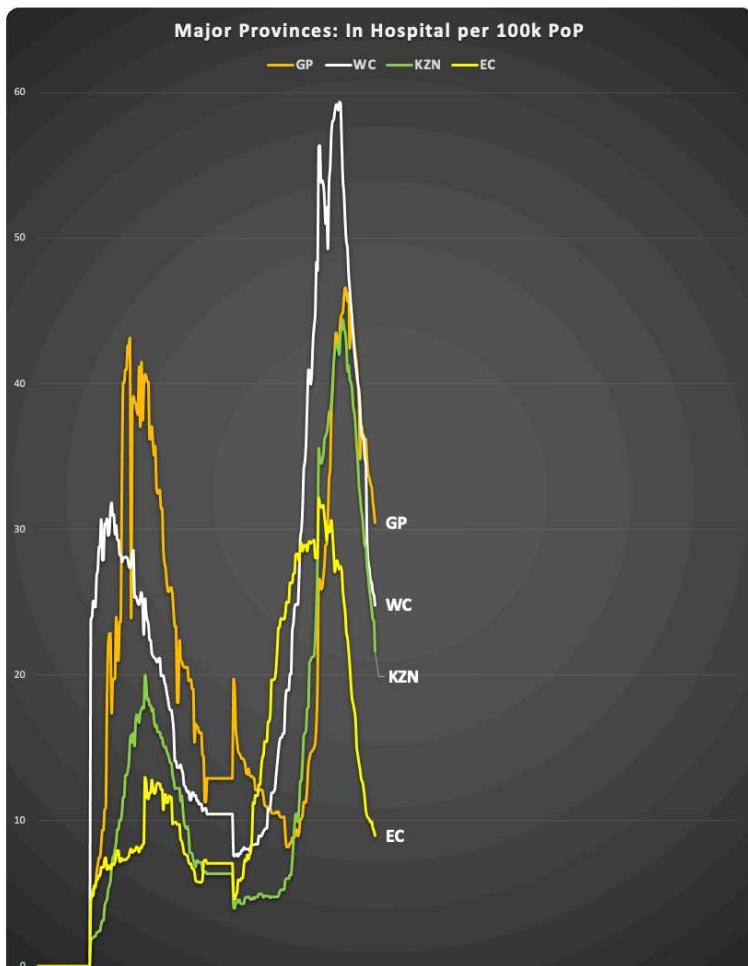
**Cum Cases per 100k PoP**



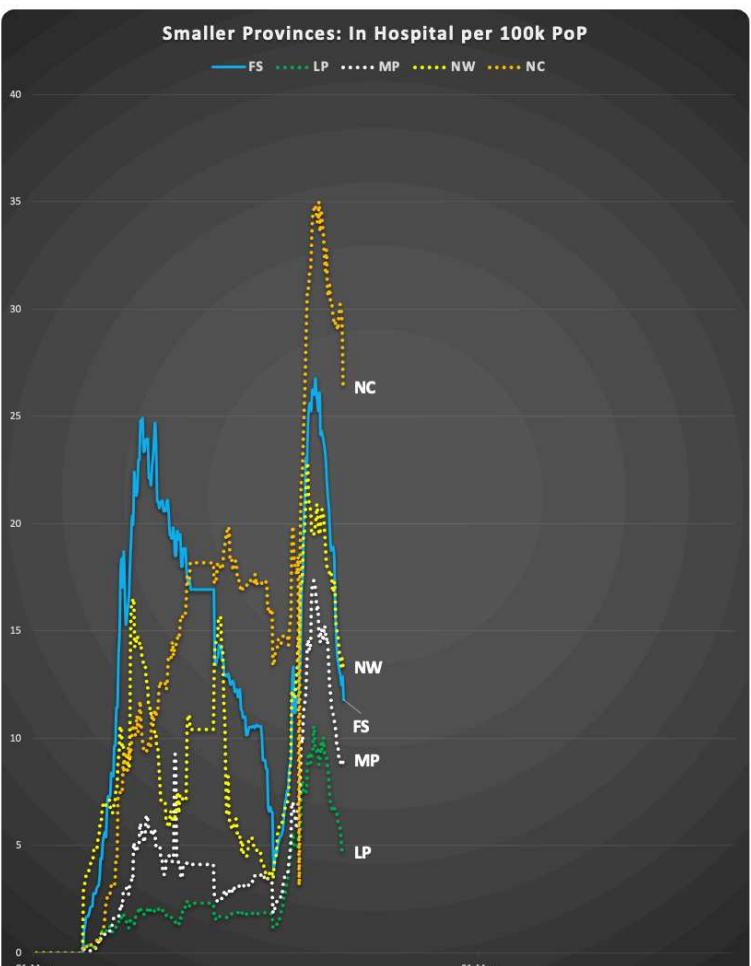
**Cum Deaths per 100k PoP**

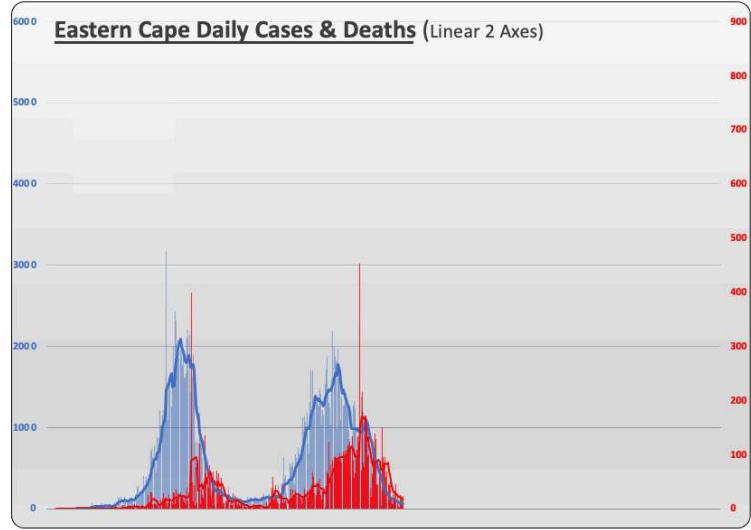
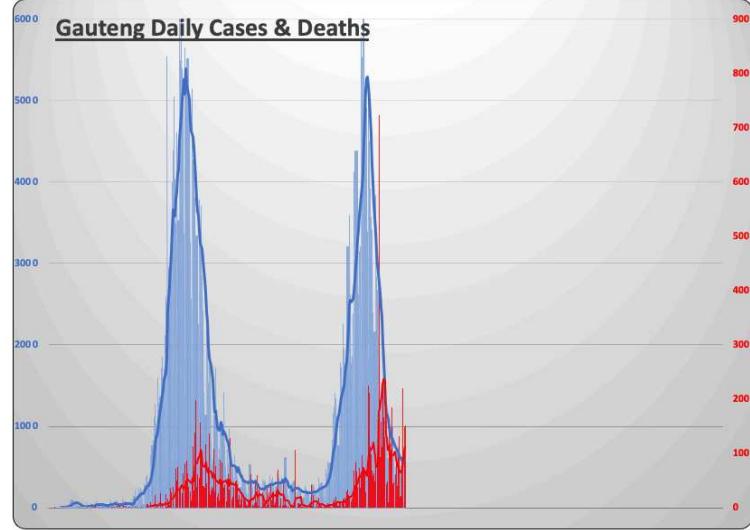
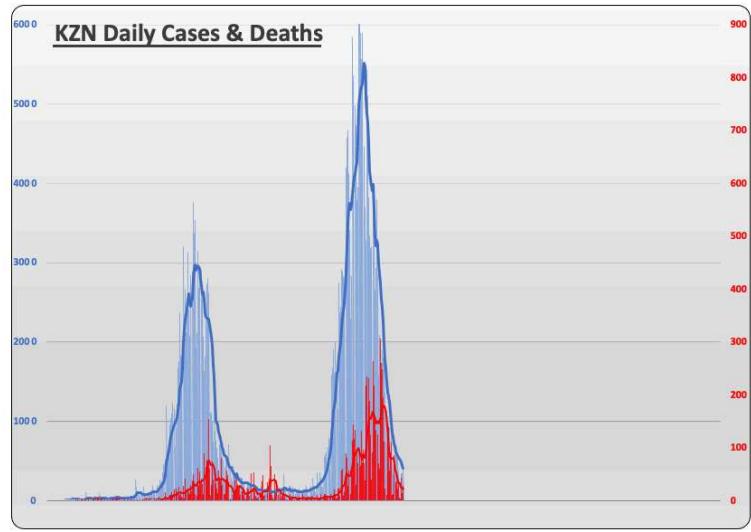
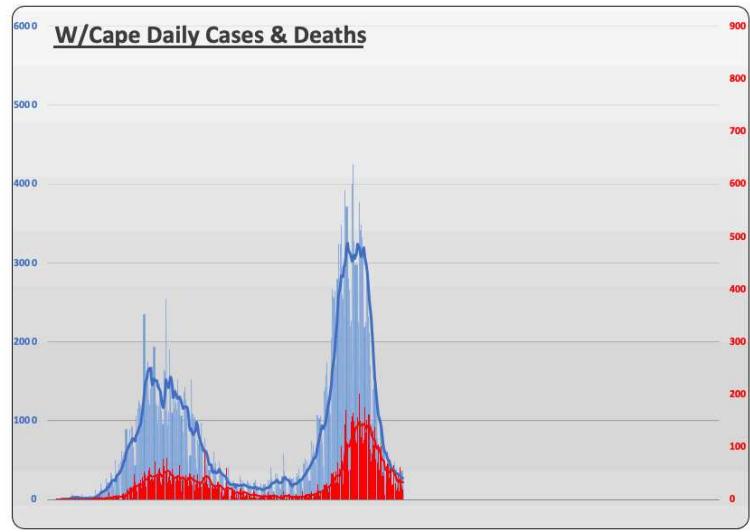
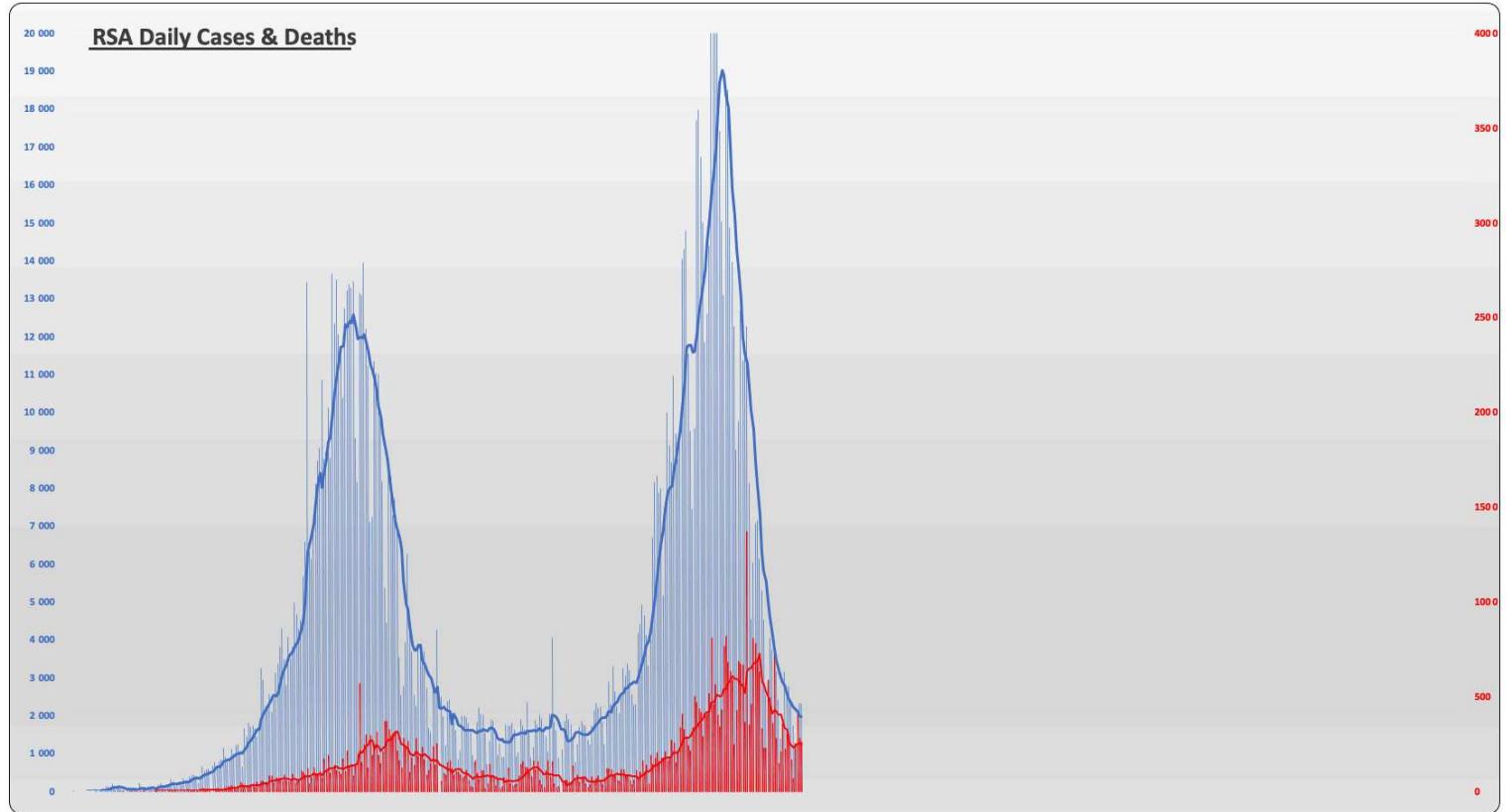


**Major Provinces: In Hospital per 100k PoP**

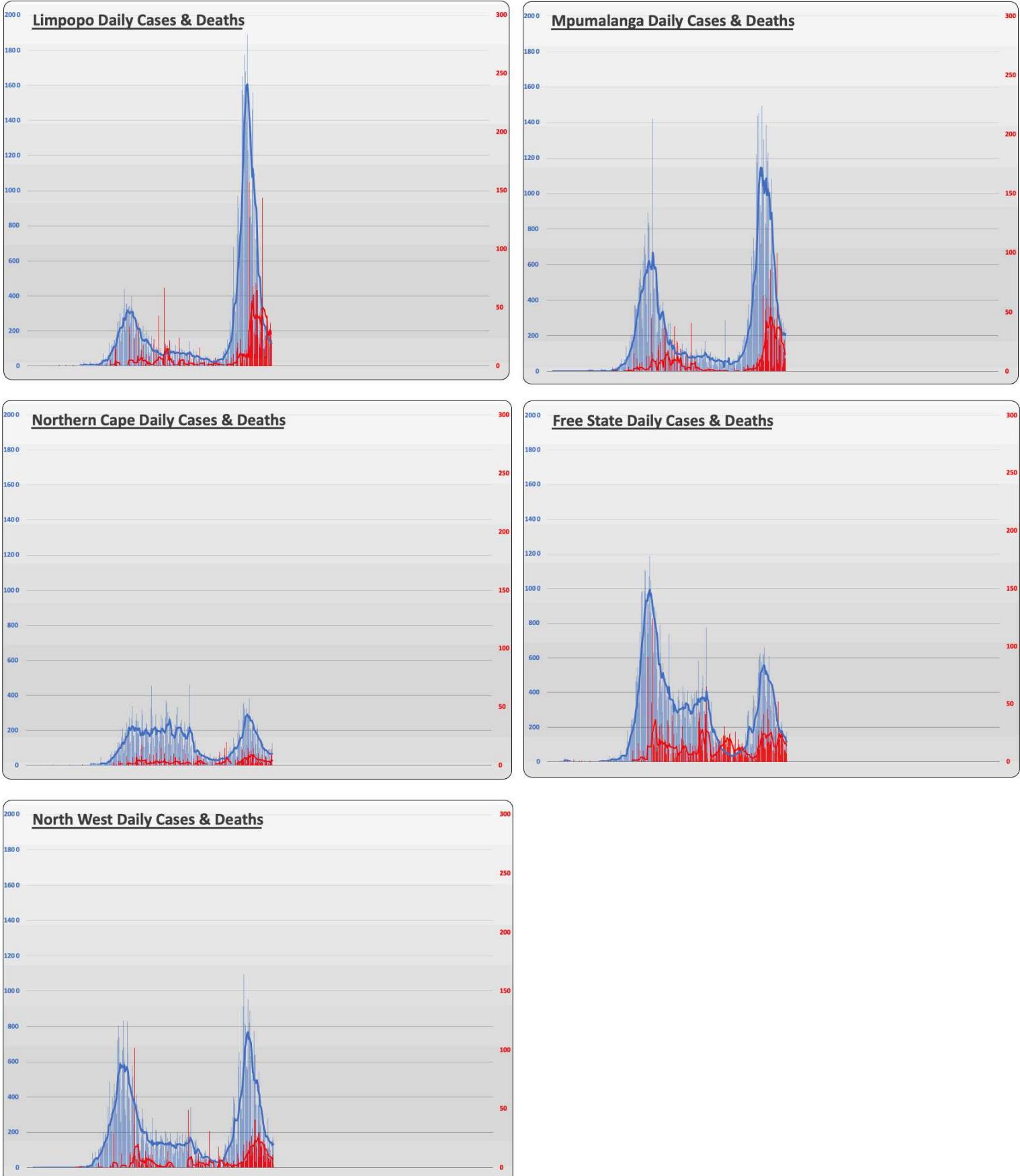


**Smaller Provinces: In Hospital per 100k PoP**



**RSA & Major Provinces:****Daily Cases & Deaths (7 Day MA)**

### Daily Cases & Deaths (7 Day MA)



## Vaccination Data

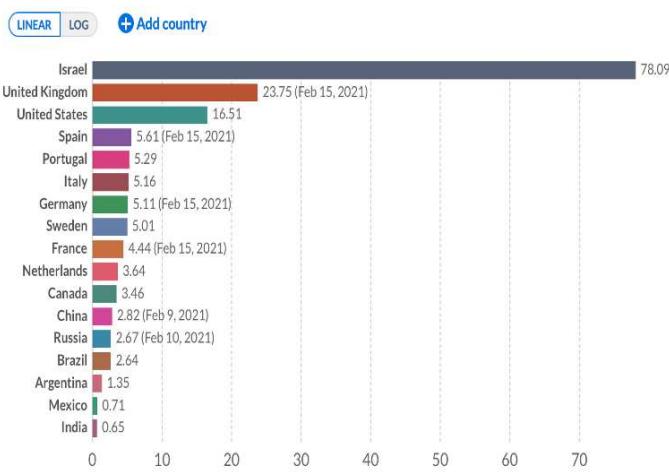
### RSA: Vaccinations per 100k PoP :



### Selected countries who publish their VAC data :

COVID-19 vaccine doses administered per 100 people, Feb 16, 2021

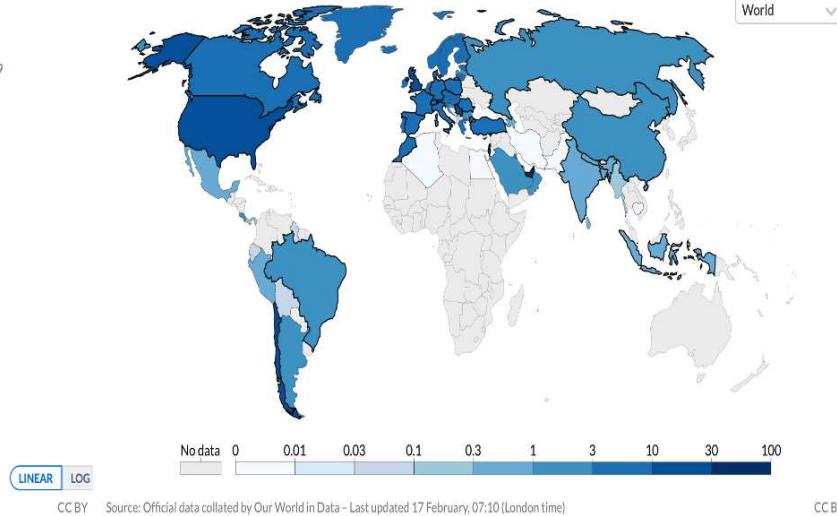
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



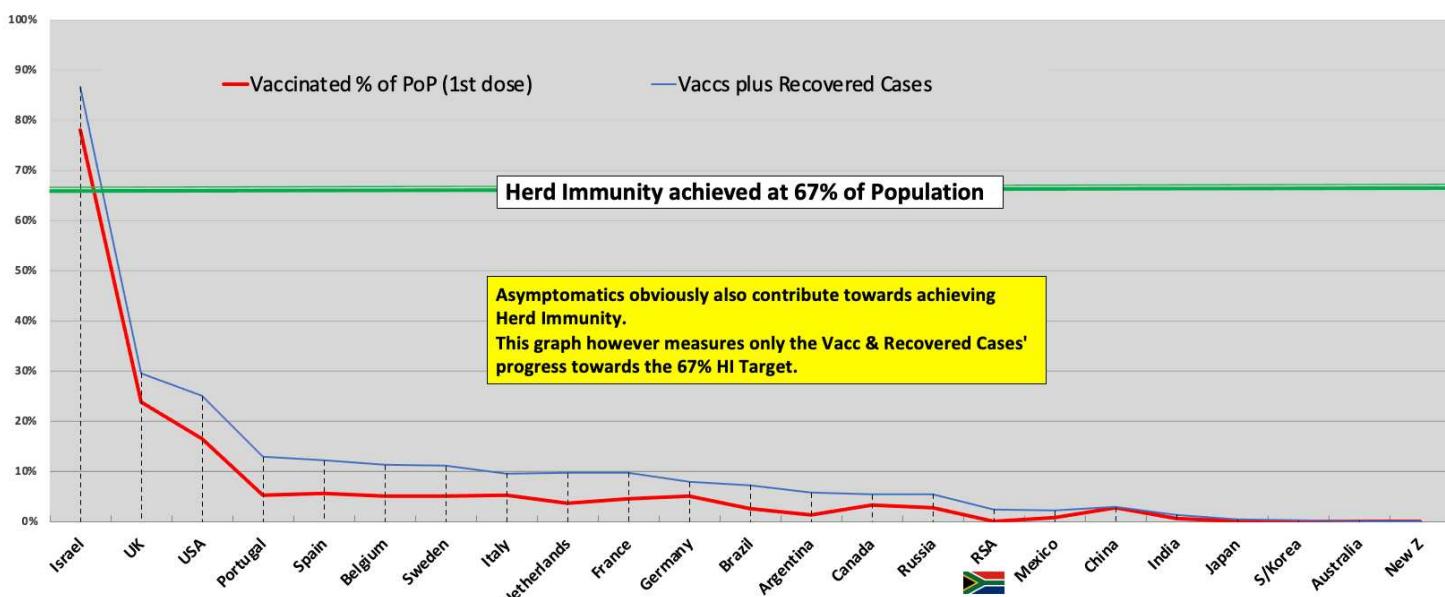
Our World in Data

COVID-19 vaccine doses administered per 100 people, Feb 16, 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).



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



**Laughter is the best vaccine....**

