

HarryG COVID-19 Dashboard

Cum +Cases	Daily Cases	
1 494 119	1 210 	
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP
46 463 	25 192	855
Deaths Age	Deaths Min Age	Deaths Max Age
62,3	0,2	105
Femal		
Mal		

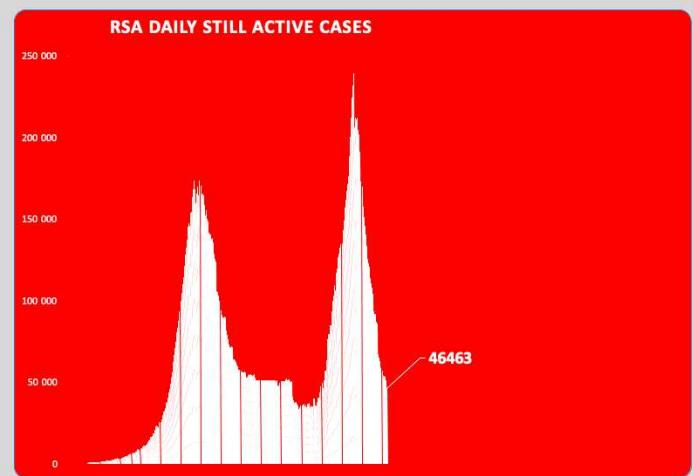
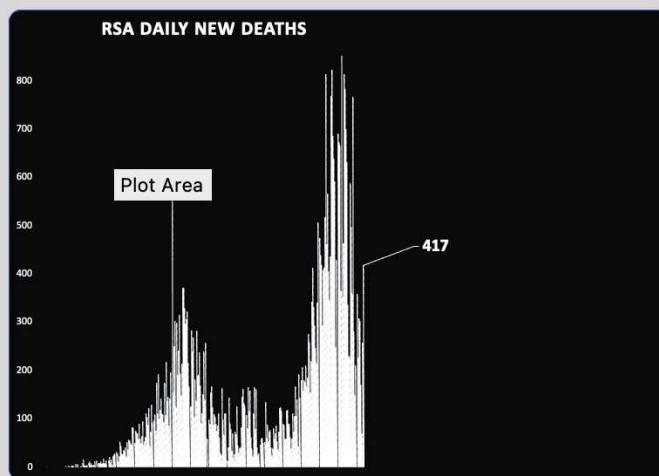
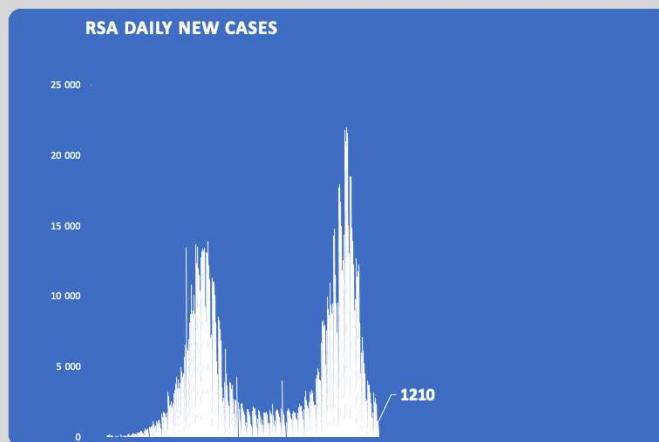
RSA COVID-19 DASHBOARD		
17 February 2021		
Cum Deaths	Daily	
50 705	417	
Cases	Deaths	CFR
57,8%	51,5%	2,69%
42,2%	48,5%	3,48%

% of Reported Cases who Died (CFR)
3,39%

% of RSA PoP who have died to date (CMR)
0,085%

Deaths Median Age
60,1

Cum Recoveries		
1 396 951	↑	93,5%
% of RSA PoP Vaccinated & % Vacs + Recovered Cases	0,0%	2,43%
Cum Tests	Daily Tests	
8 737 330	24 486	↑
Daily Positivity Rate:	4,9%	

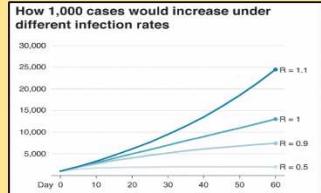


RSA Rt #

Prev 2 : .49
Prev 1 : .52
Latest : .56

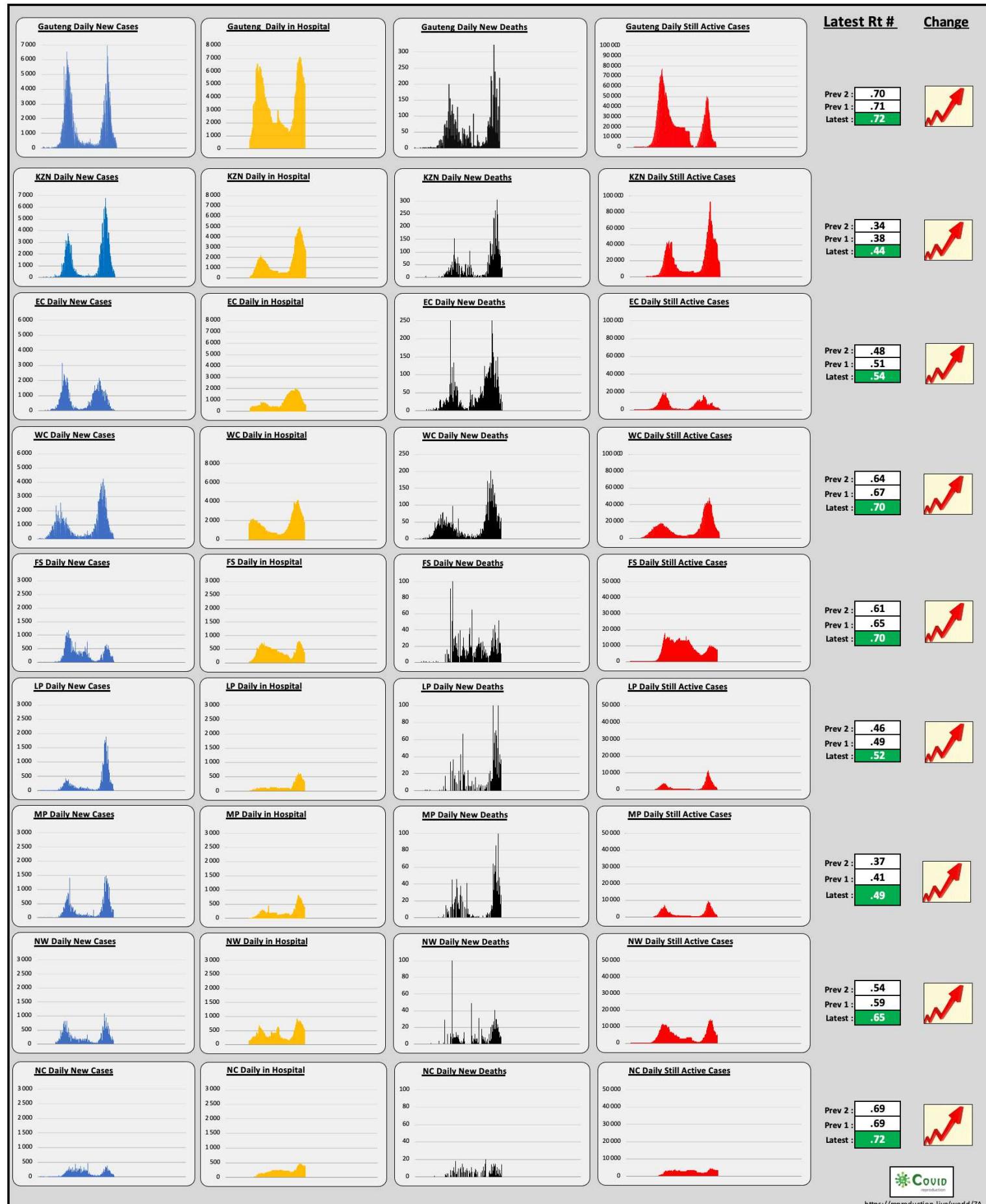


An R₀ below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. An R₀ above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.

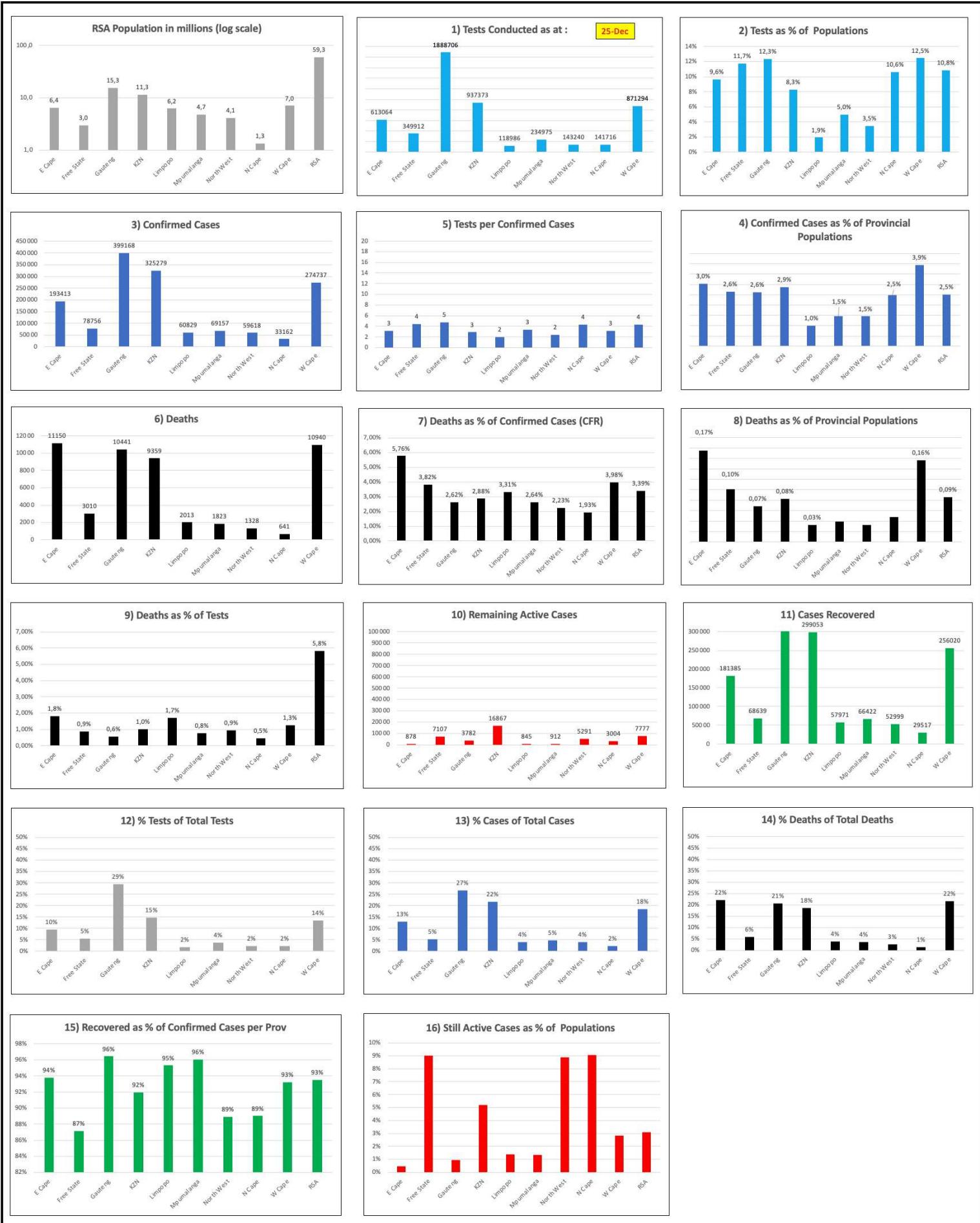


RSA Provinces detailed daily Data and Trends Jan 2020 to Dec 2021

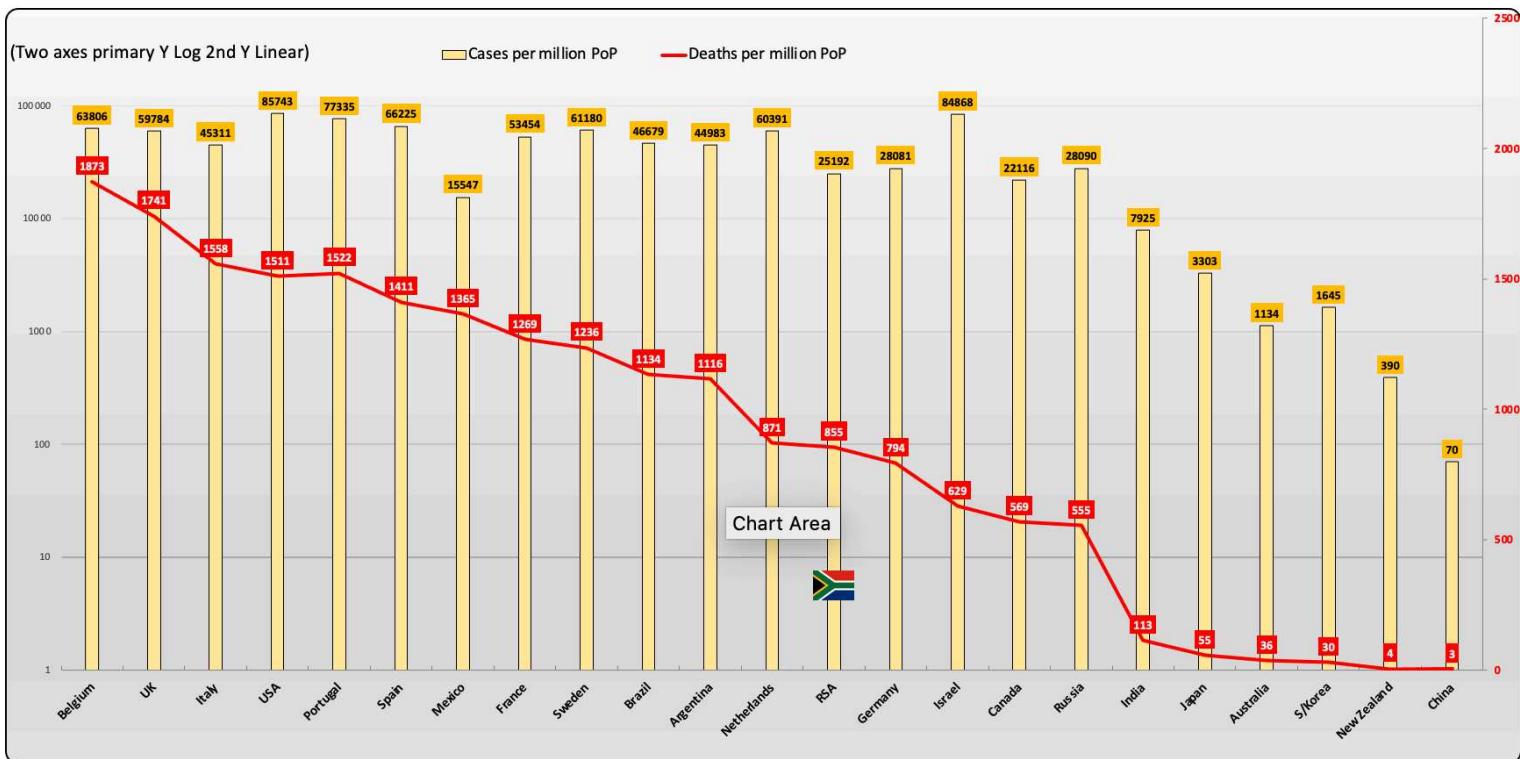
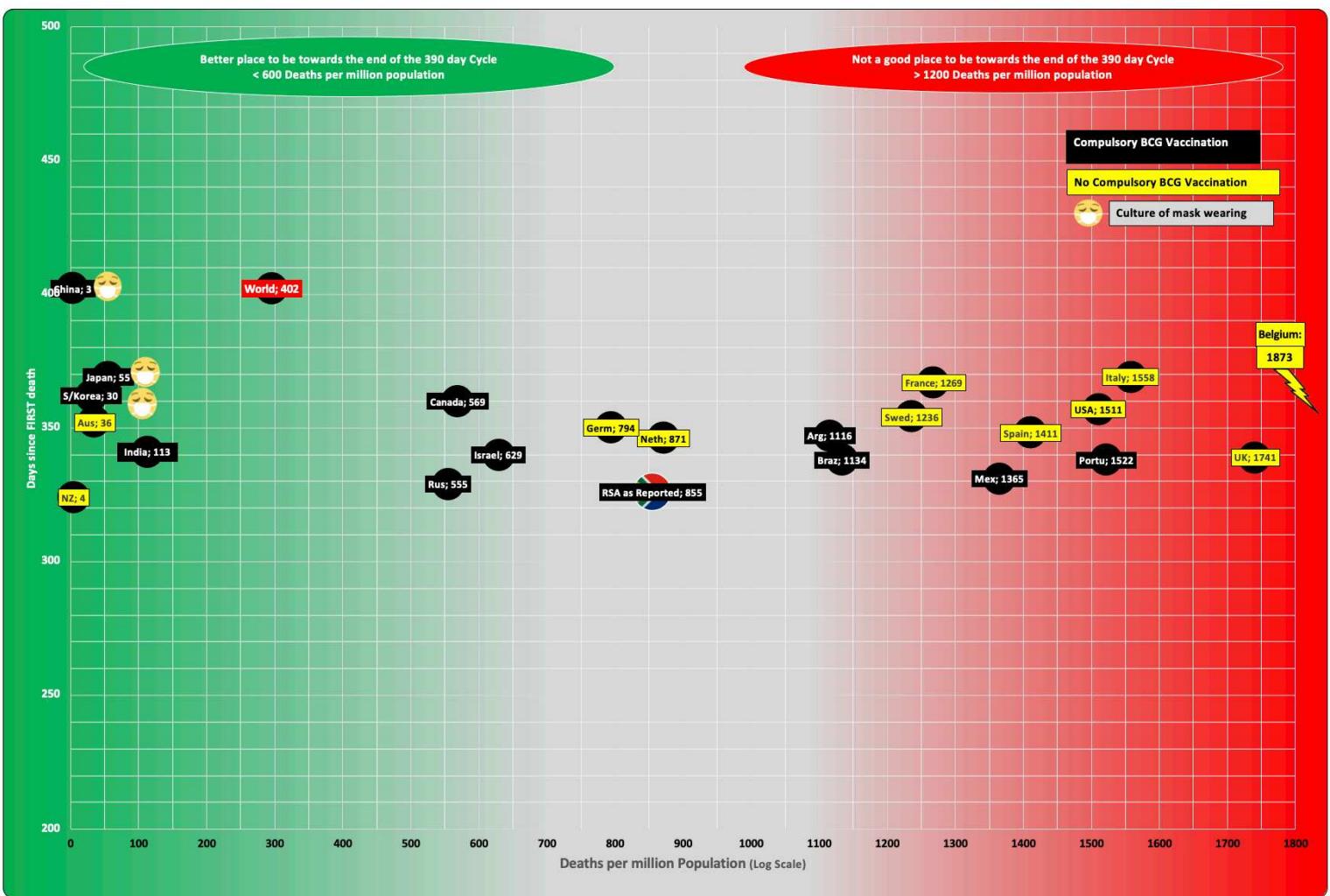
How old is the Data? : Cases 2-5 days, Hospitalisation 1-3 days, Deaths 4-10 days, Still Active Cases 4-10 days, Rt #'s 3-10 days



RSA Covid Stats: National & Provincial Data & Ratios



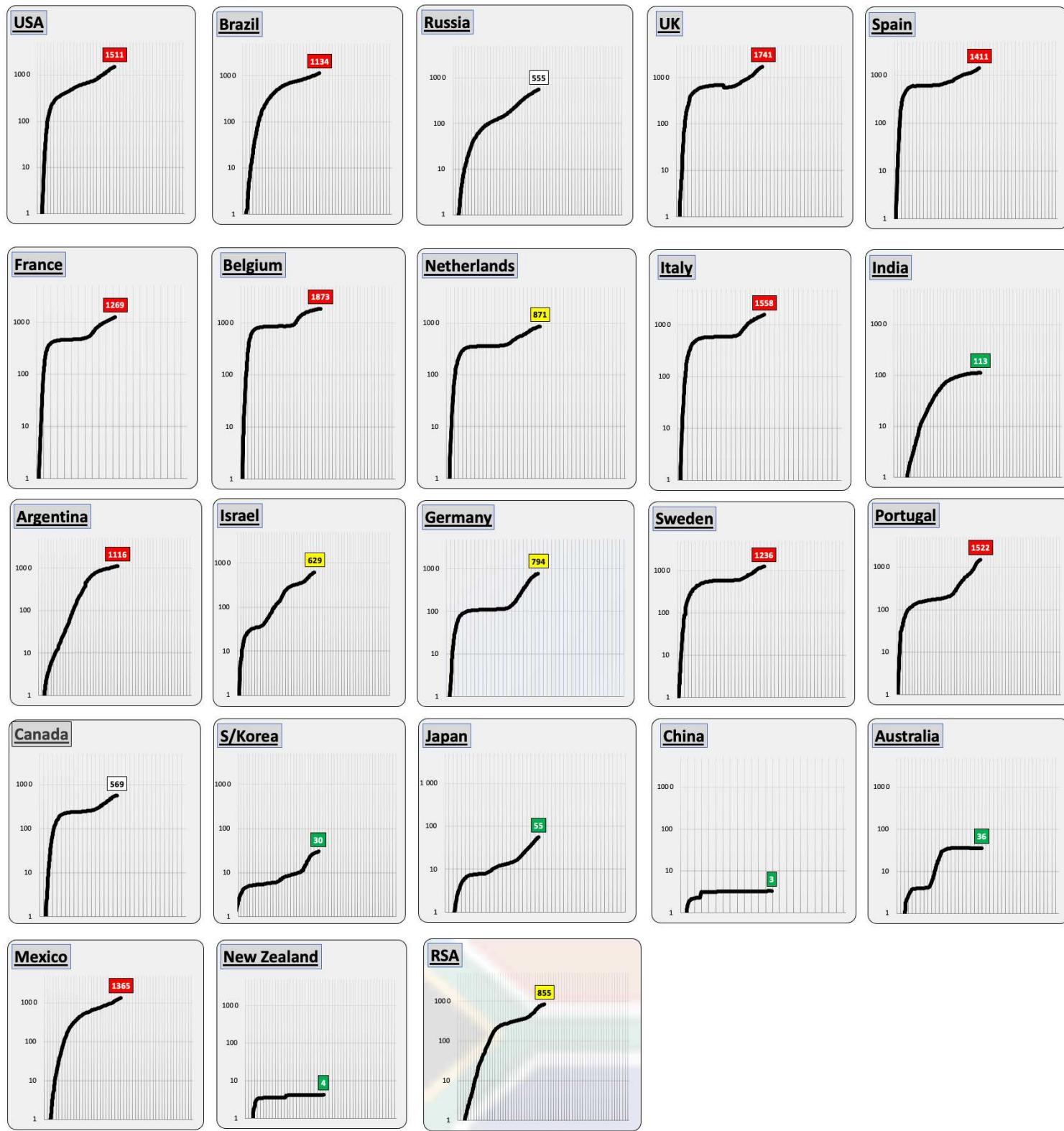
Selected Countries' **Reported** Cases & Deaths per mill PoP



Cum 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

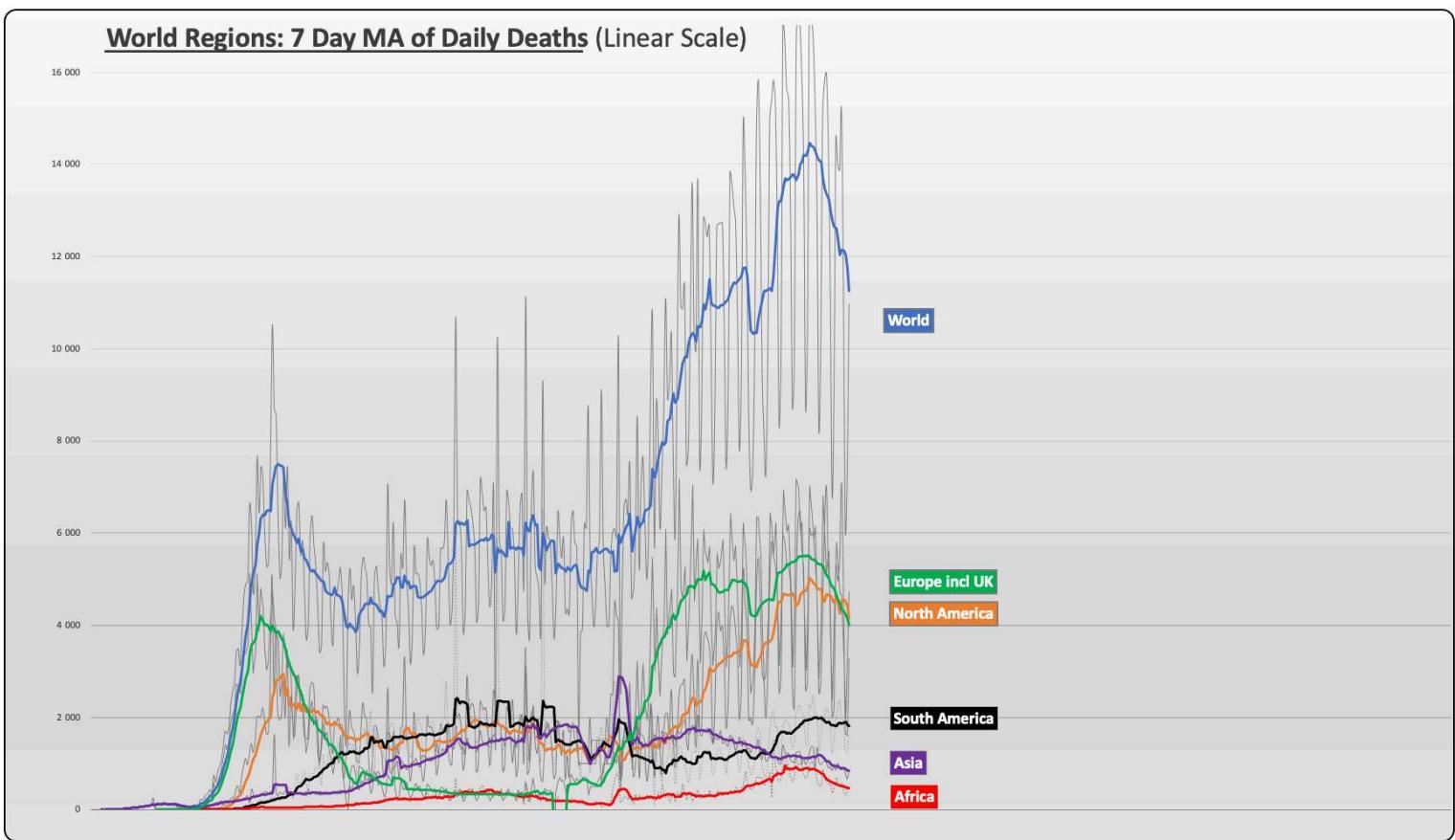
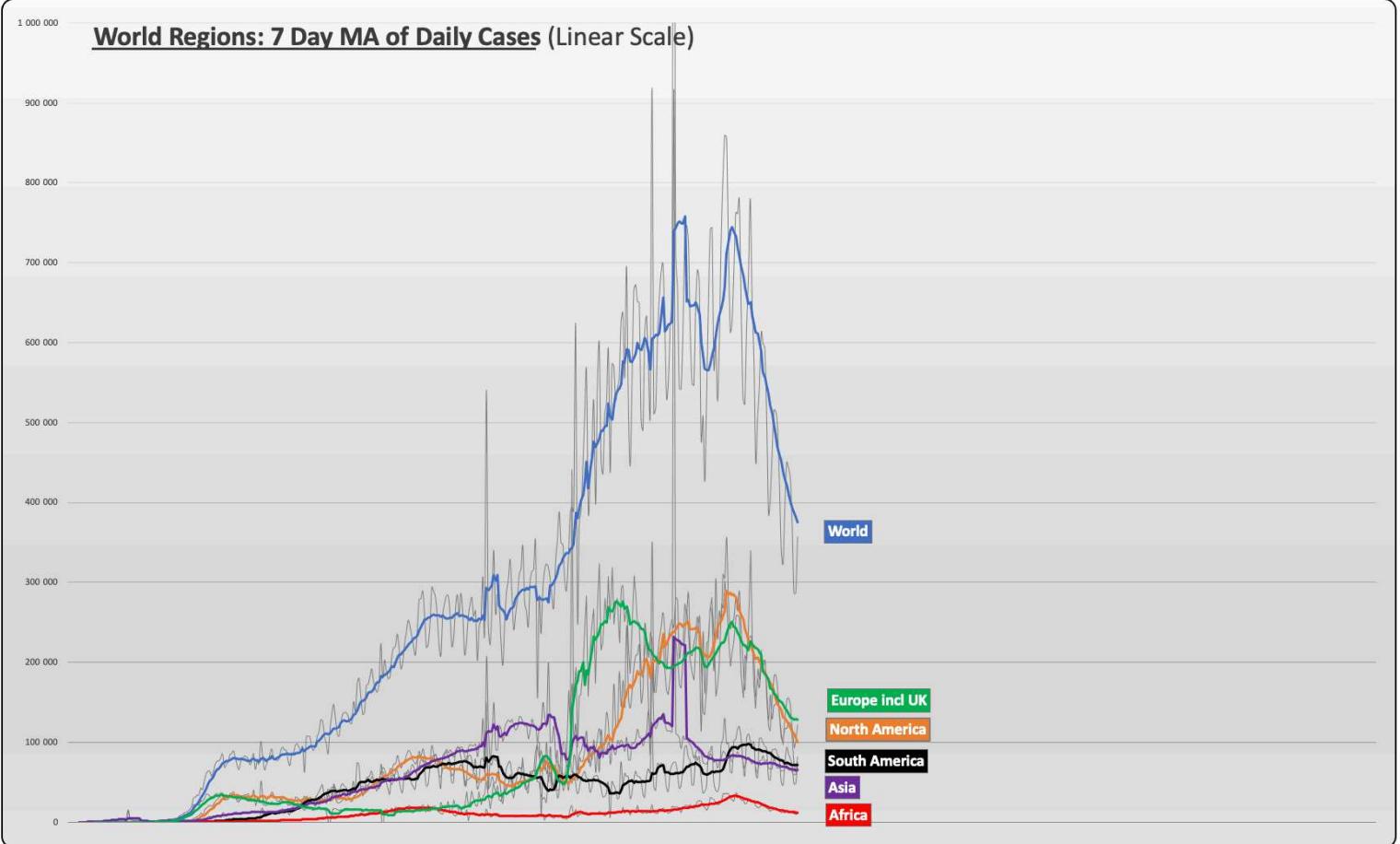


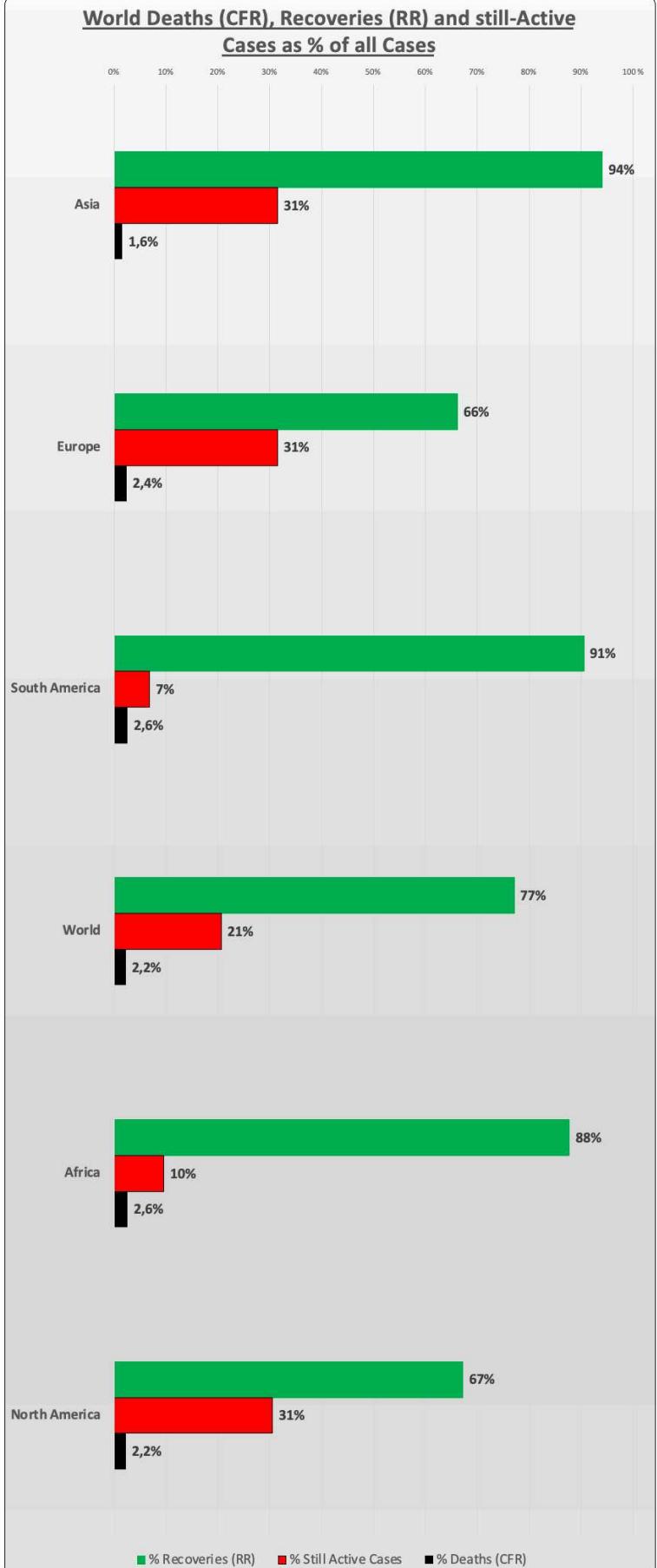
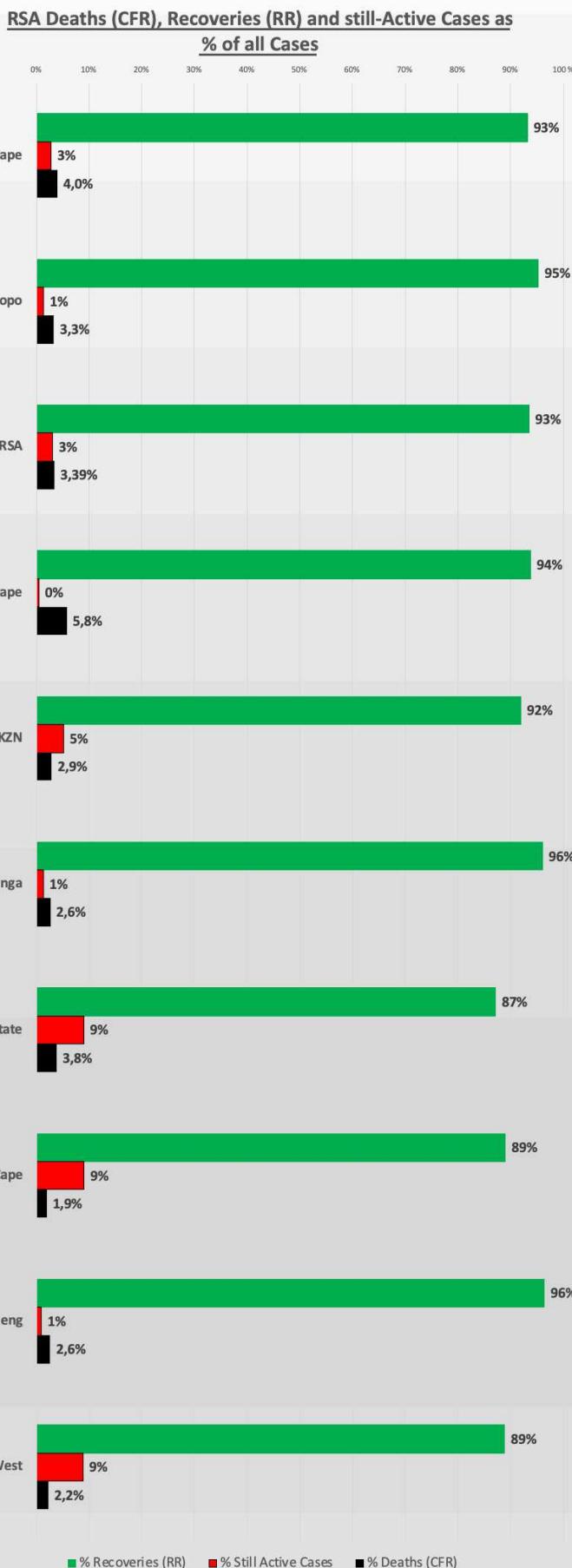
**Daily Deaths Curves plus 7 Day MA
also Rate of Onset/Next Wave "Inclinometers"**

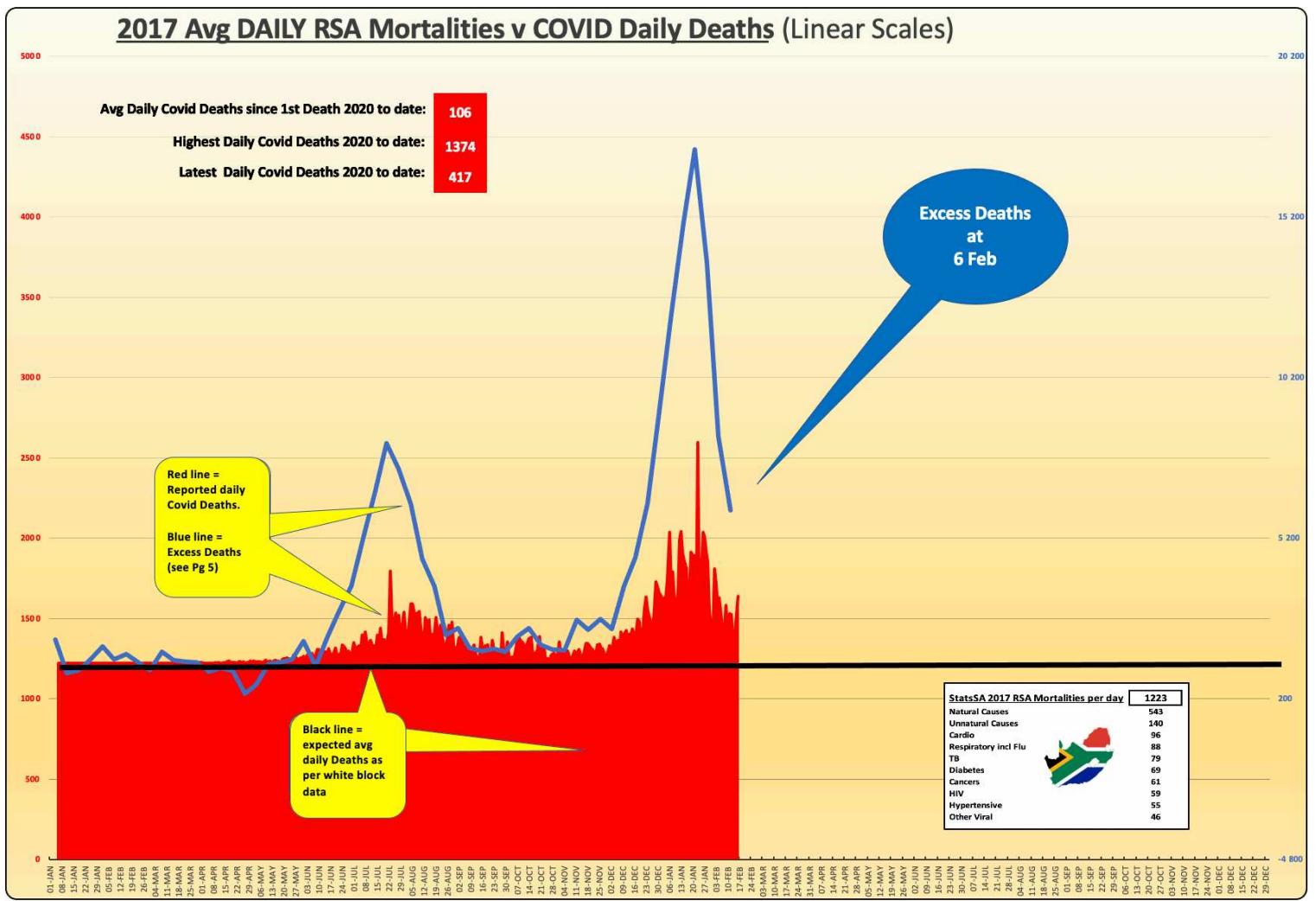
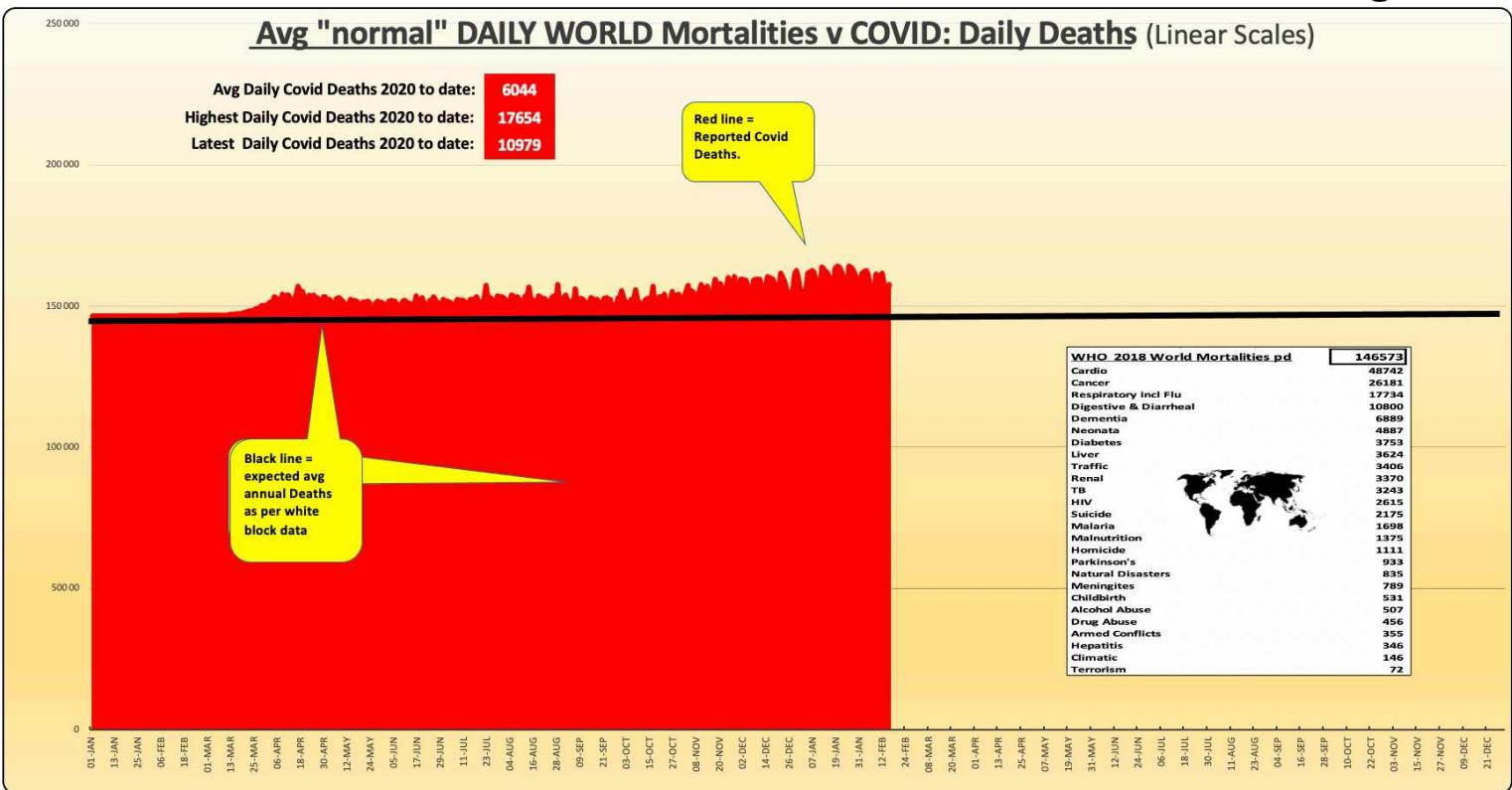
Peaked but spiking again
Passed peak but could rebound OR next wave
Well past peak, unlikely to rebound

Onset/1st wave
Next waves







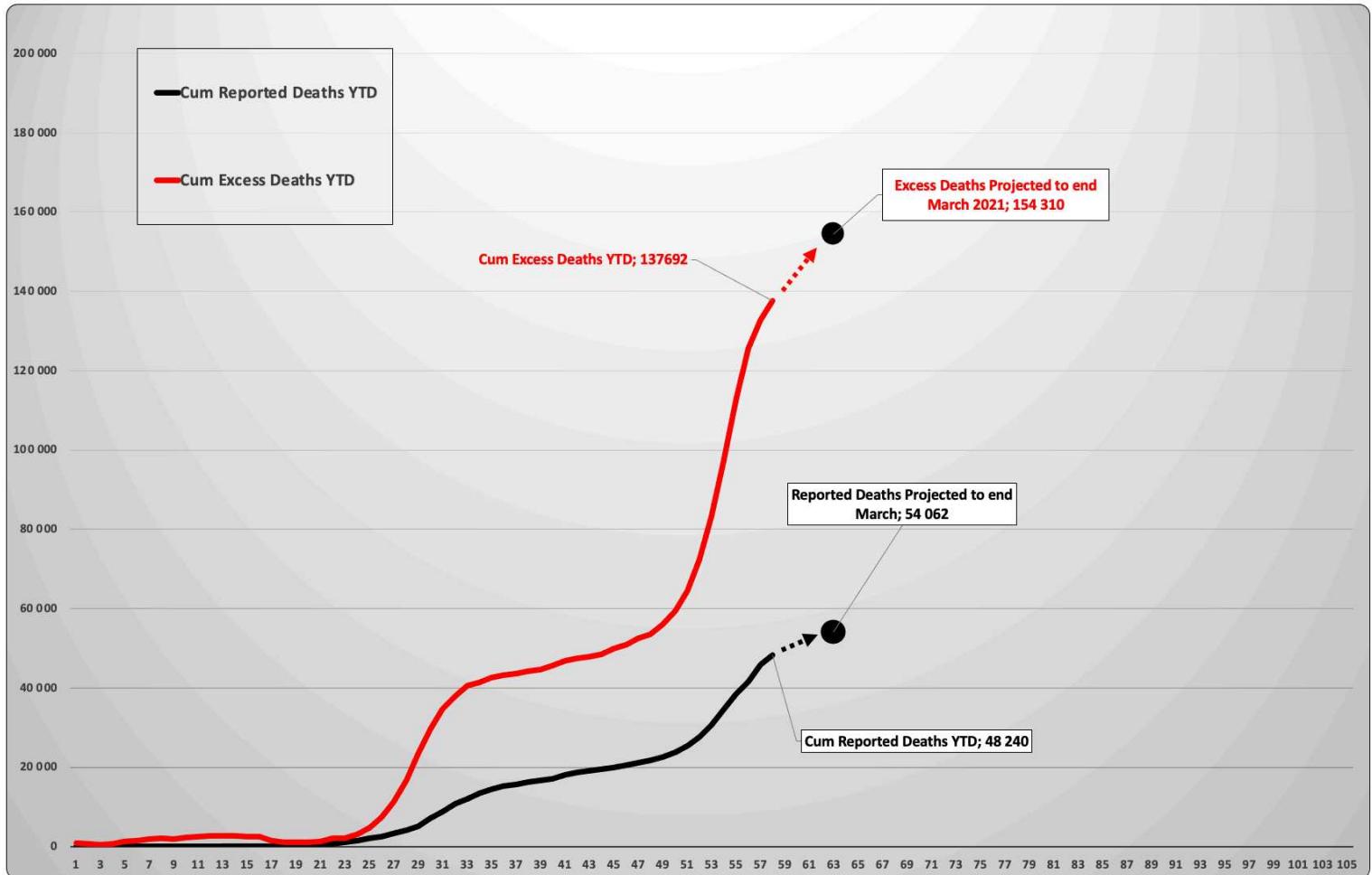


Covid Deaths: Reported and Excess Deaths

Page 3.3

Trends & Projections for end March 2021

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



Cum Excess Deaths % of Reported Deaths as at 6 Feb: **185,4%**

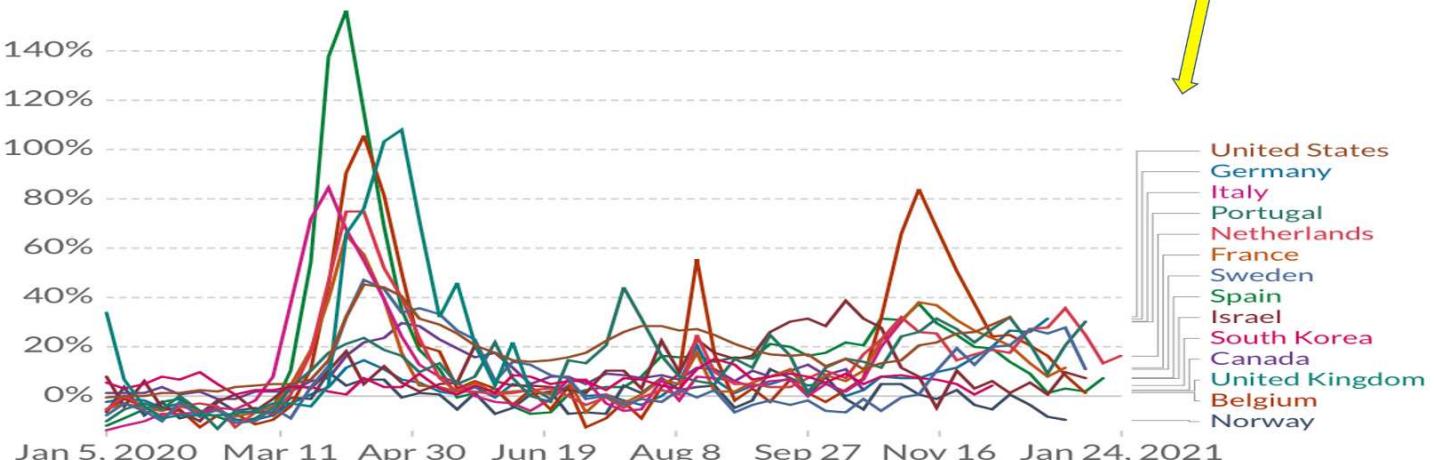
Selected Countries : avg approx **15%**

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

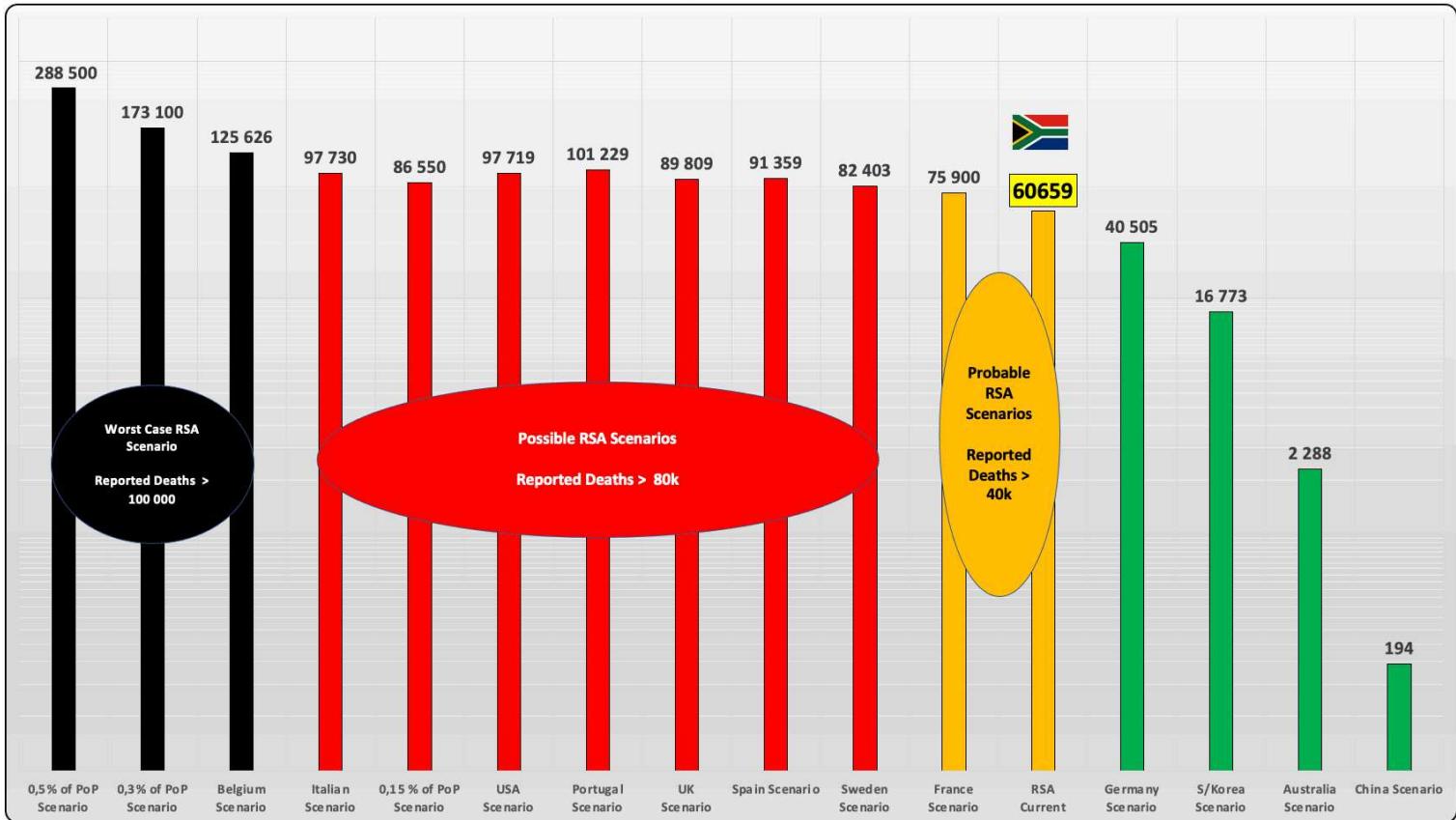
Data as at: 23 January 2021

Unless otherwise indicated

hdg 17 February 2021

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

15 Scenarios and 1 Projection (Log Scale)



Key:

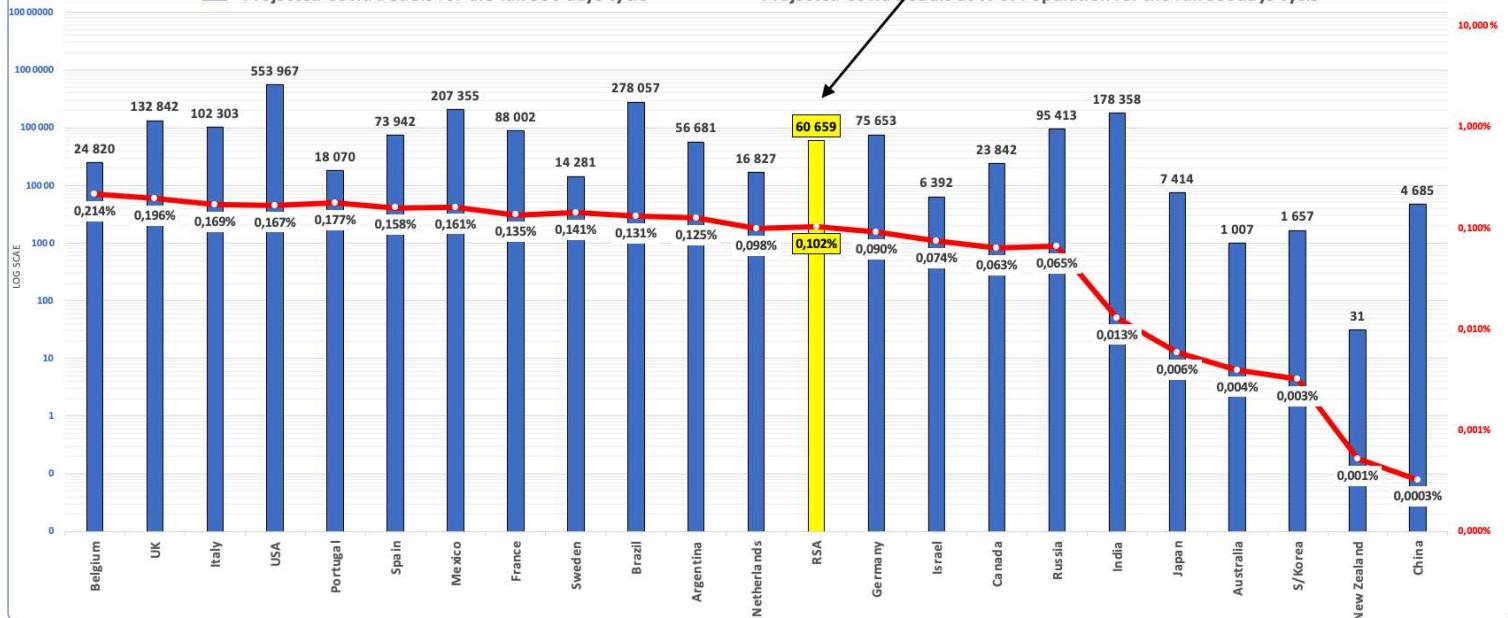
All Scenarios duly adjusted daily
for population size and for the
different timelines into the
deemed 390 day pandemic cycle.

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 per 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



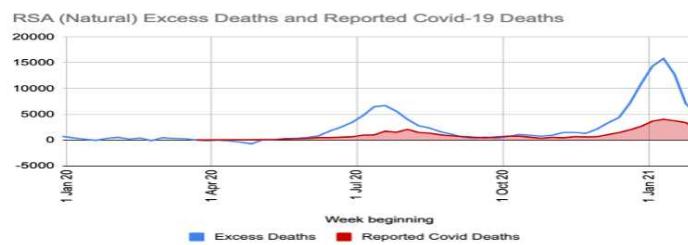
Note: Above Mortality %'s are overall projected mortality of the populations (PMR), NOT deaths of only those infected (CFR).

RSA Excess Deaths as per SA Medical Research Council

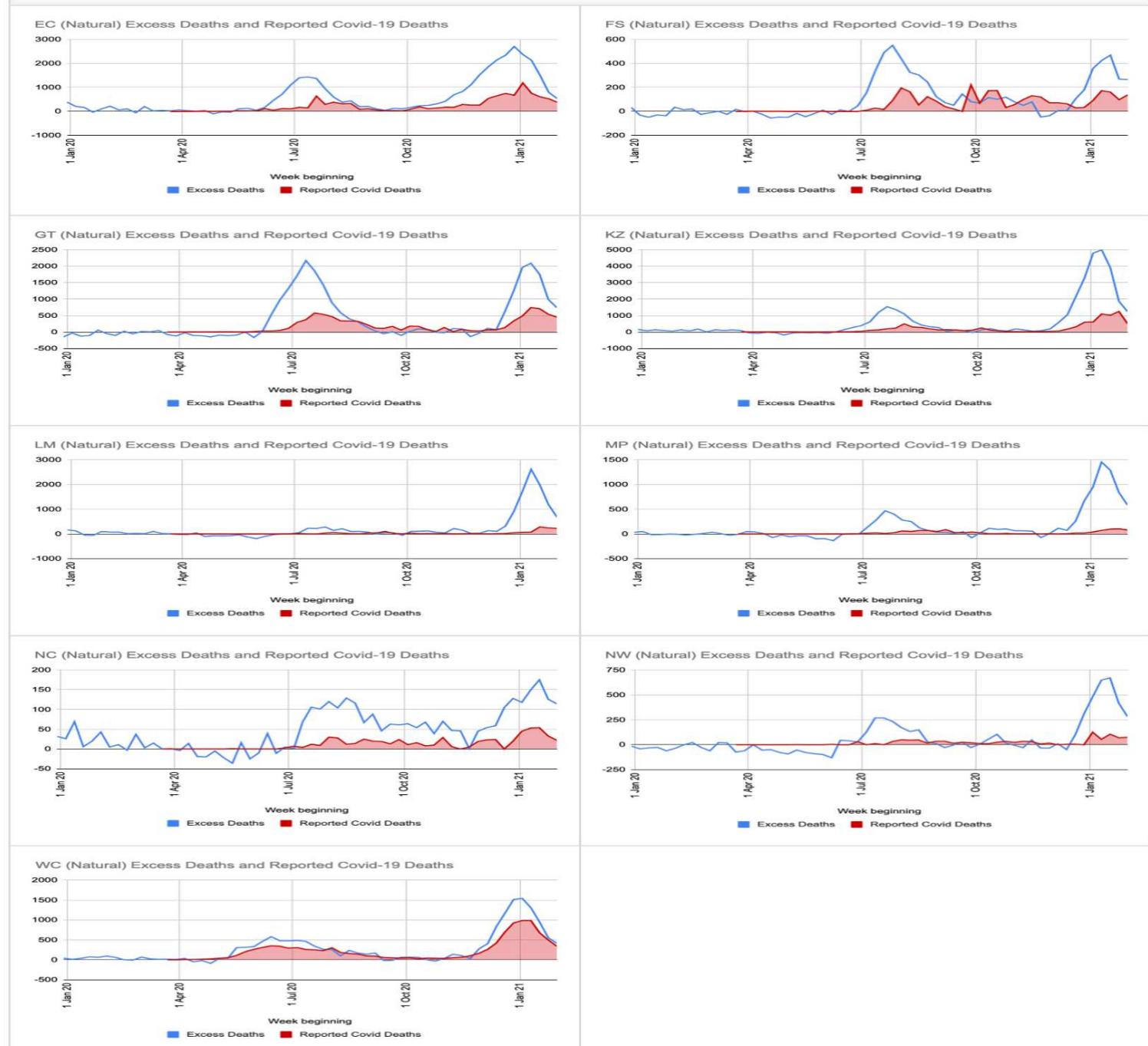
Data as at:

06 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).

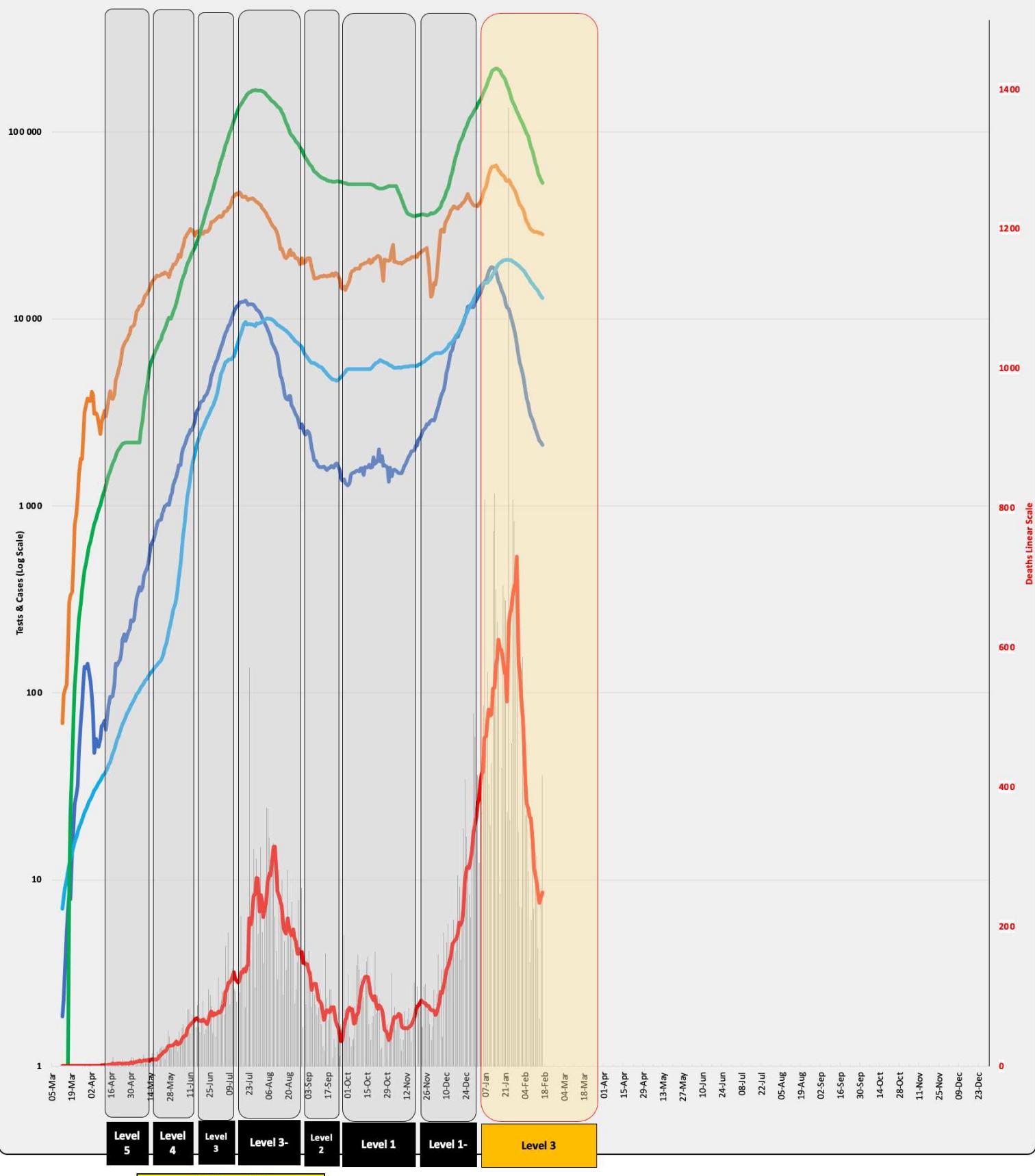
Data as at:

Latest Available

hdg 17 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: 16 February 2021

Unless otherwise indicated

hdg 17 February 2021

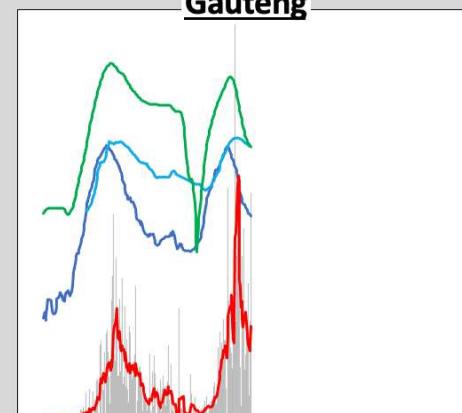
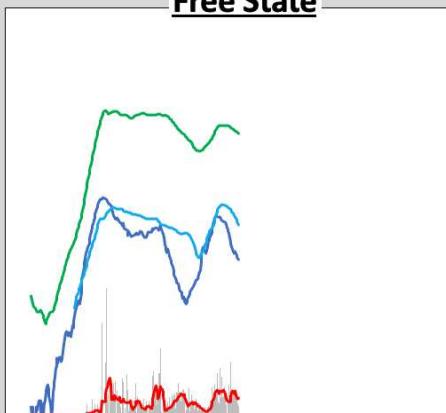
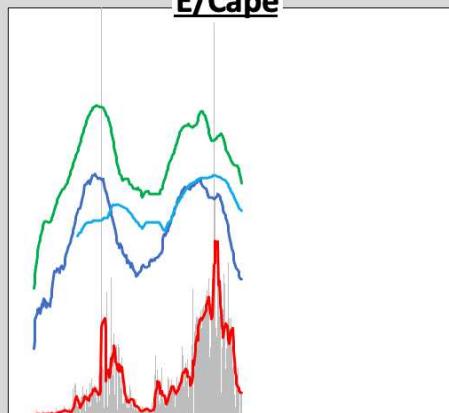
RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)

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

E/Cape

Free State

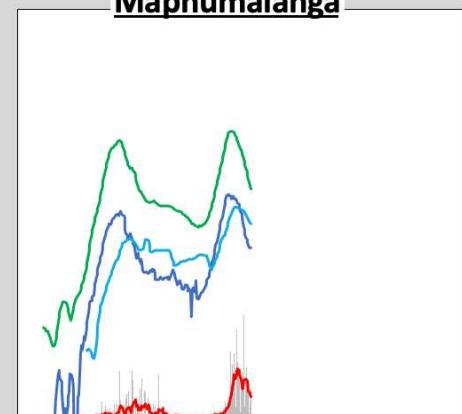
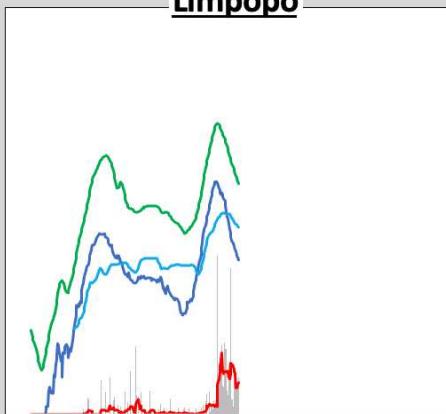
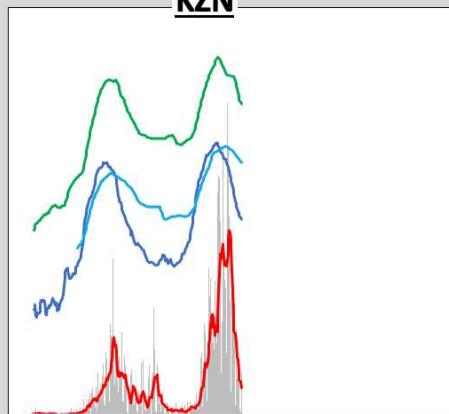
Gauteng



KZN

Limpopo

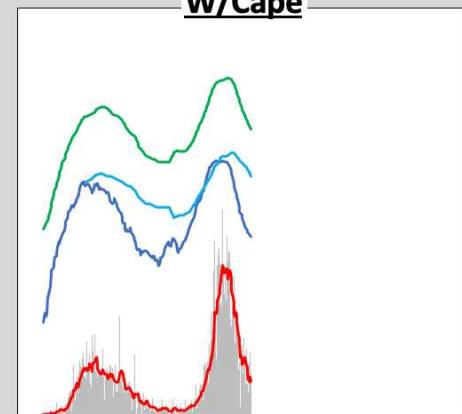
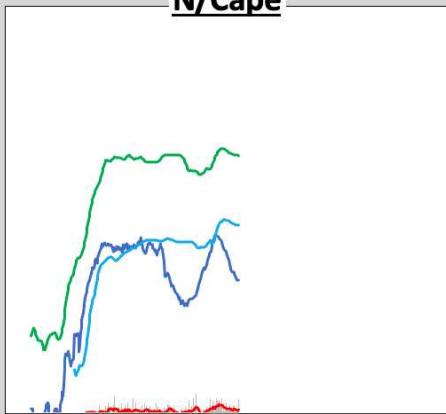
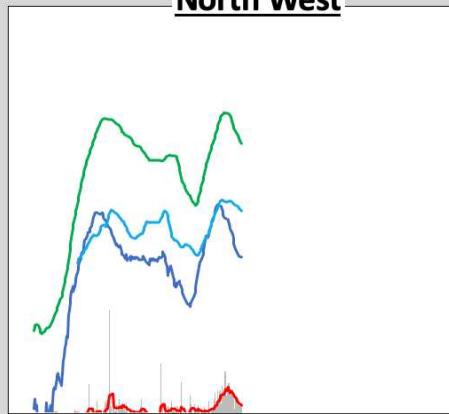
Maphumalanga



North West

N/Cape

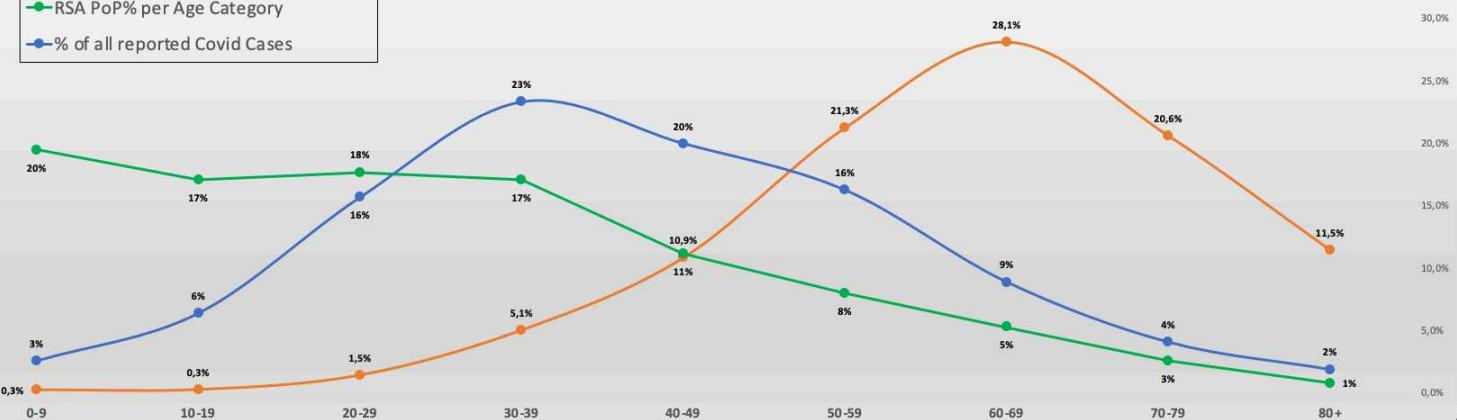
W/Cape



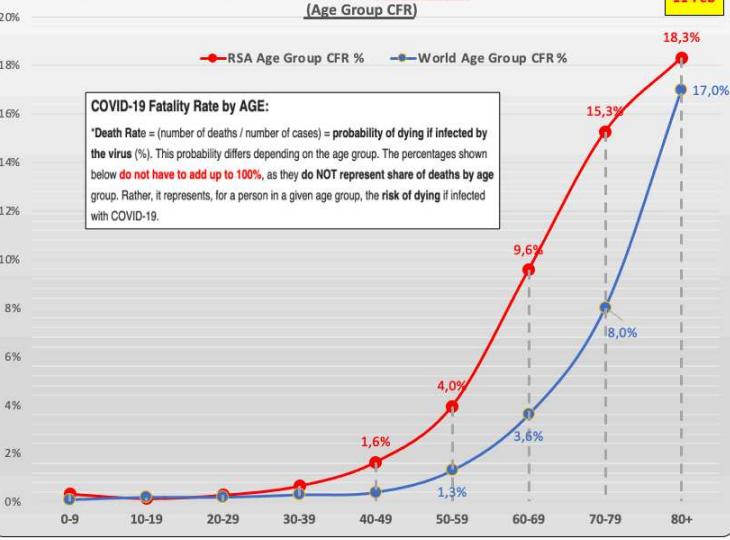
RSA Age & Gender Stats

11-Feb

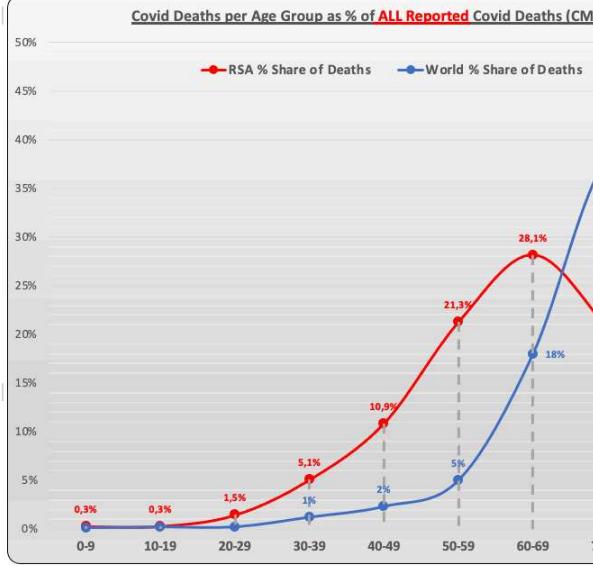
- CFR % per age category (Covid Deaths)
- RSA PoP% per Age Category
- % of all reported Covid Cases

Probability of DYING based on % Deaths of **ALL Reported** Cases in each Age Group (Age Group CFR)

11-Feb

Covid Deaths per Age Group as % of **ALL Reported** Covid Deaths (CMR)

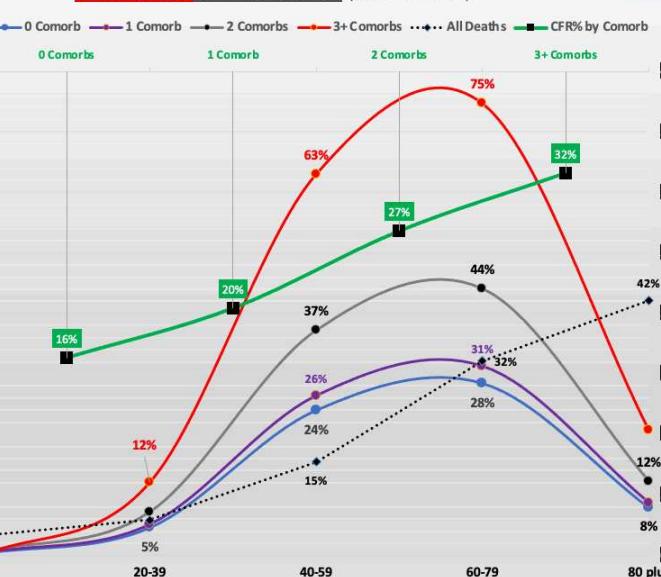
11-Feb

**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**.

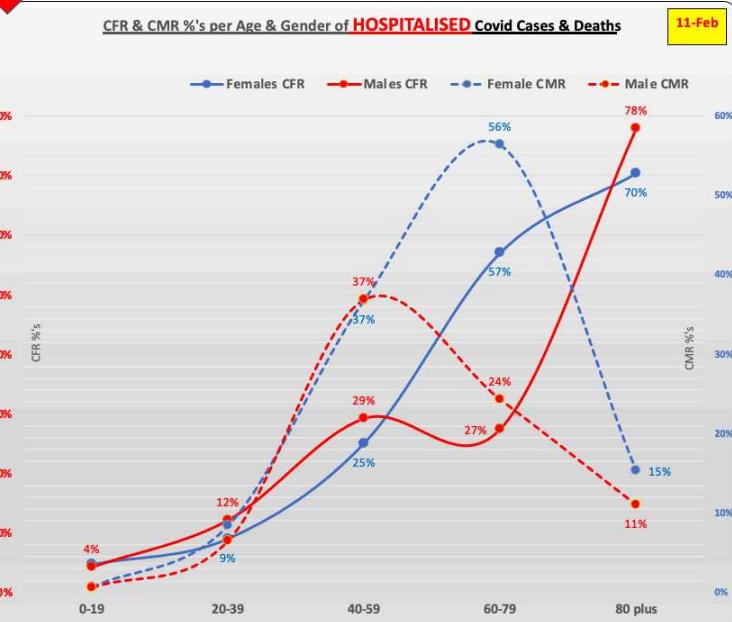
Probability of DYING based on % Deaths of Cases per Age/Comorb Group of **HOSPITALISED** Covid Cases & Deaths (Source RSA NICD)

30-Nov

CFR & CMR %'s per Age & Gender of **HOSPITALISED** Covid Cases & Deaths

11-Feb

Females CFR Males CFR Female CMR Male CMR

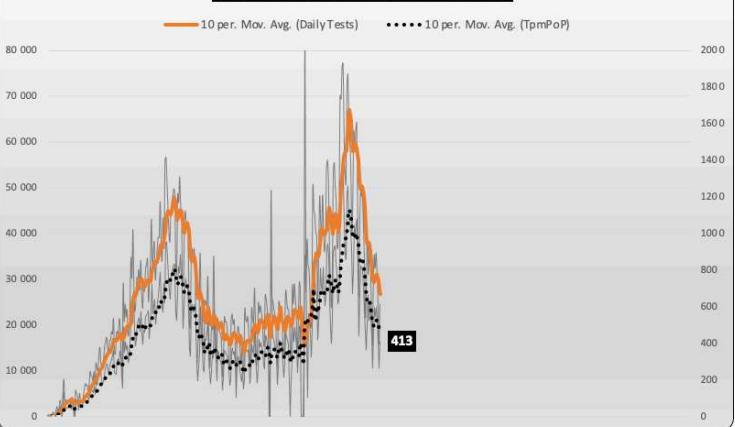


Data as at:

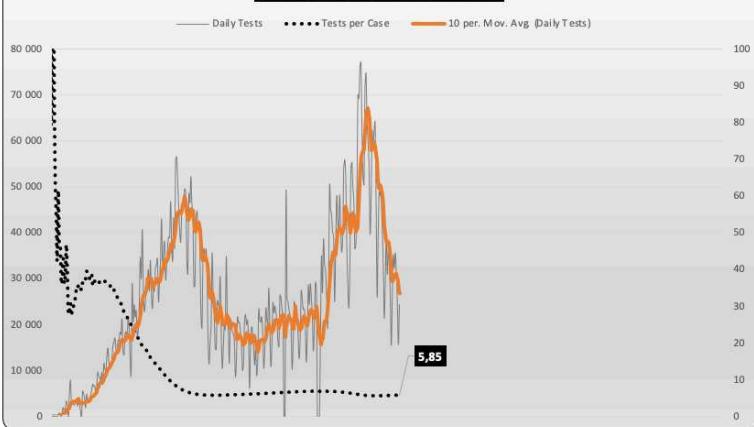
As indicated per graph

hdg 17 February 2021

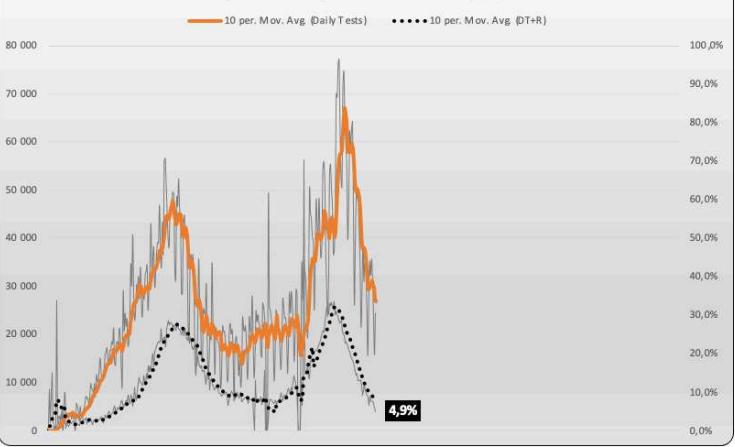
RSA: Daily Tests per million PoP



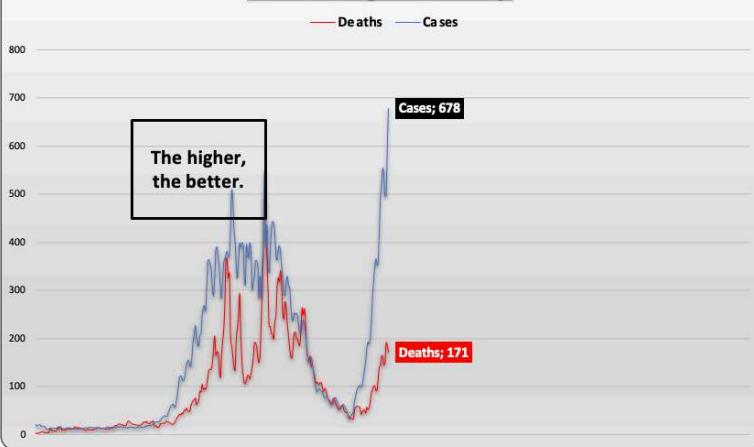
RSA: Daily Tests per +Case



RSA: Daily Tests Positivity %



RSA Doubling Times in Days



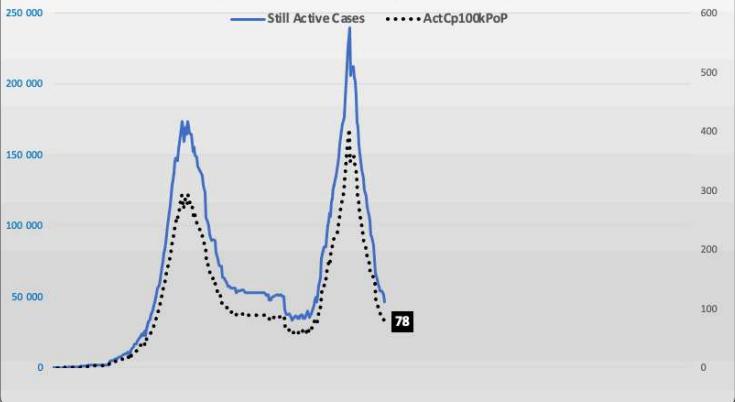
RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)



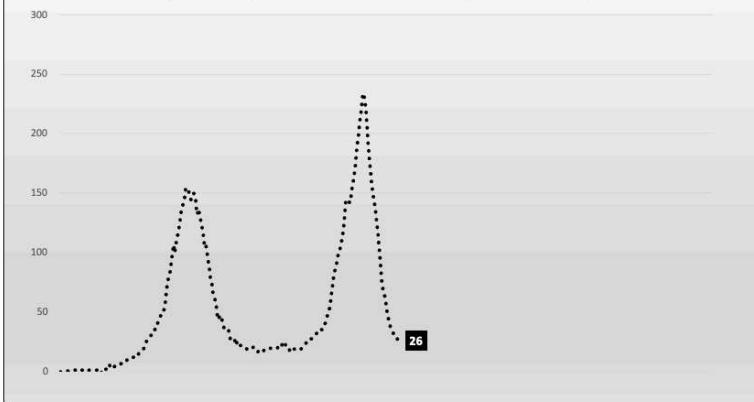
RSA: Deaths as % of Cases (CFR)



RSA: Active Cases per 100k PoP

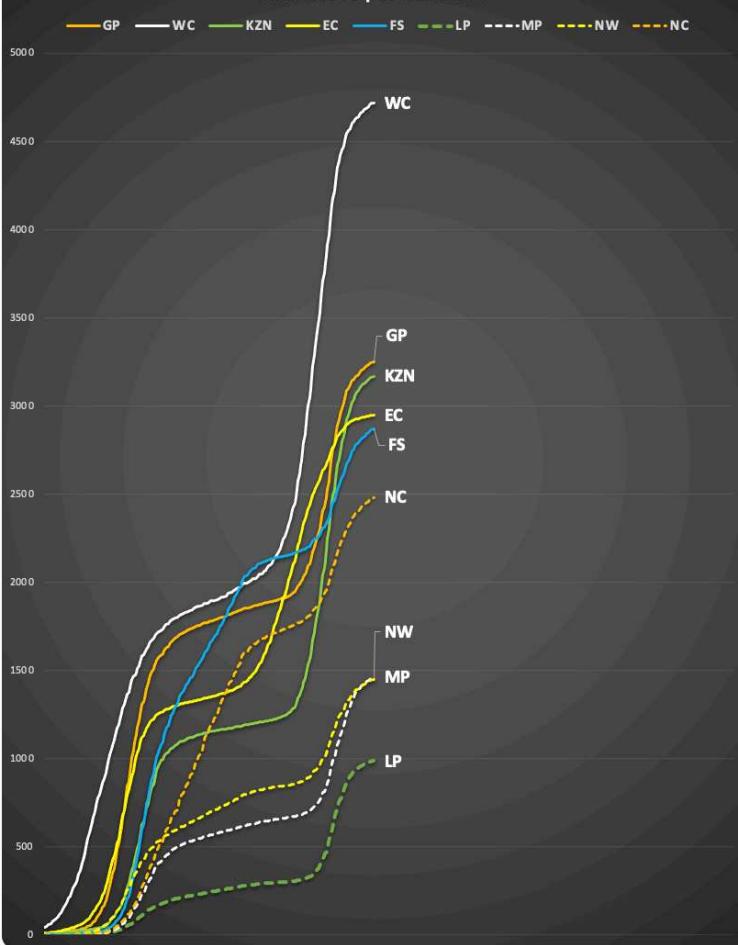


RSA: Avg New Cases per week per 100k PoP

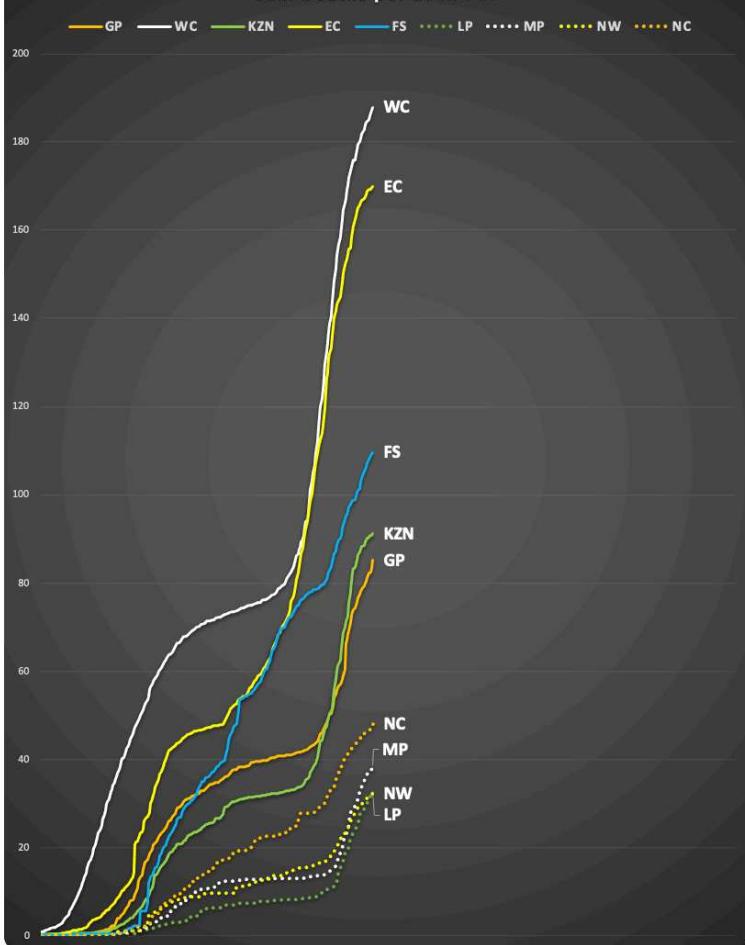


All linear scales

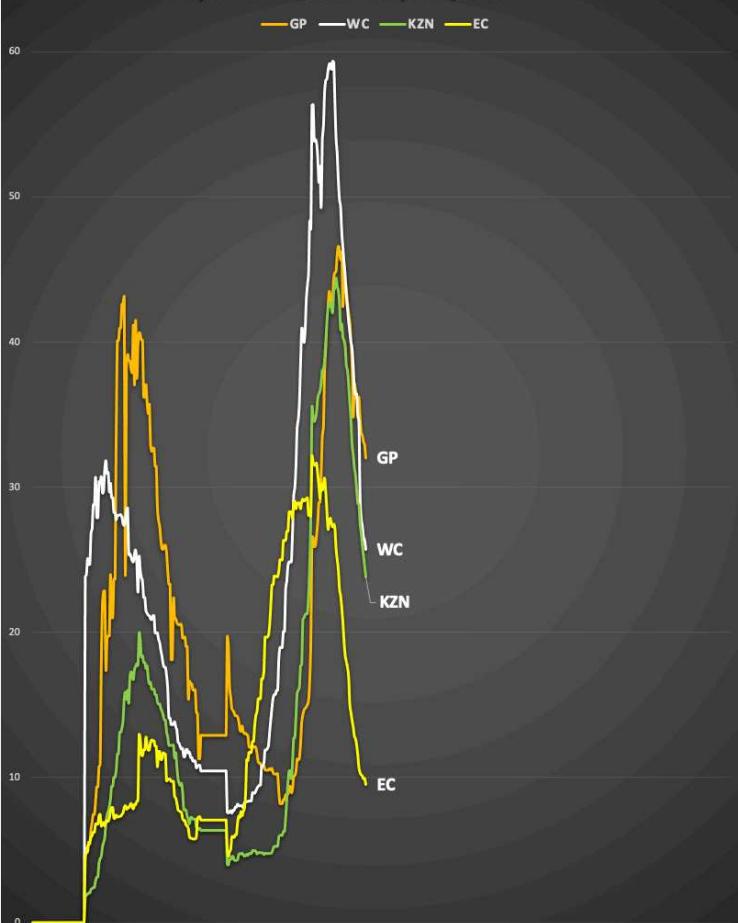
Cum Cases per 100k PoP



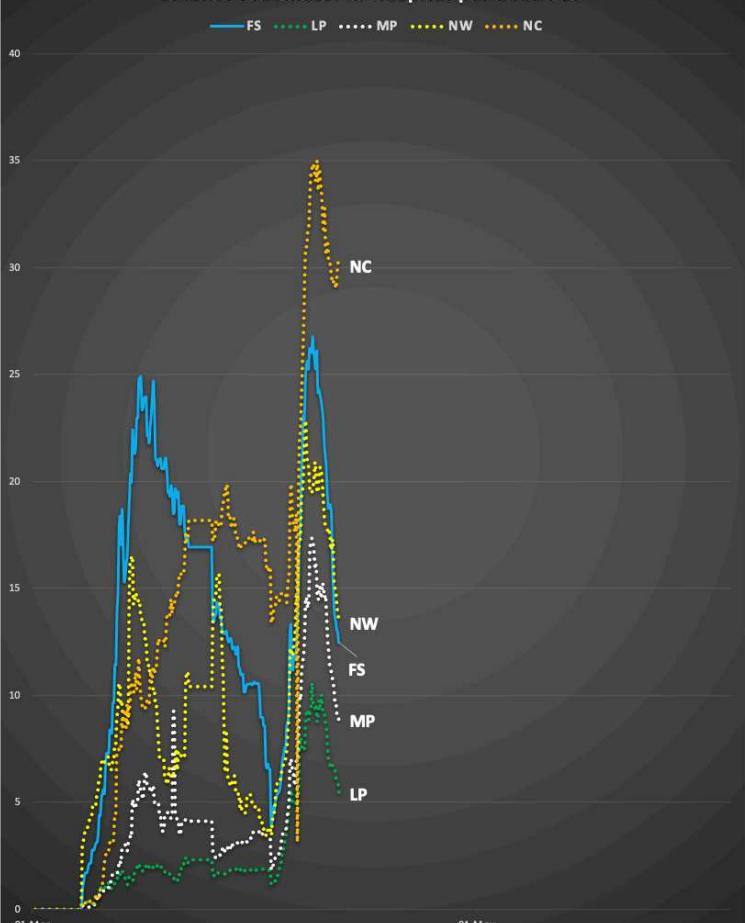
Cum Deaths per 100k PoP

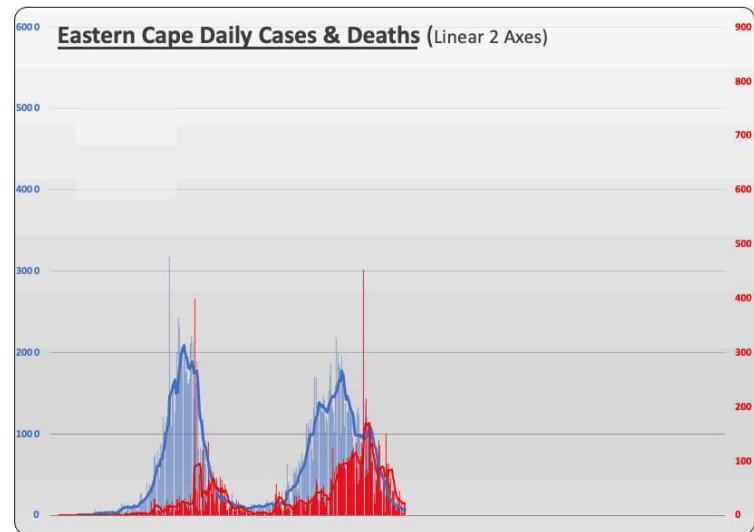
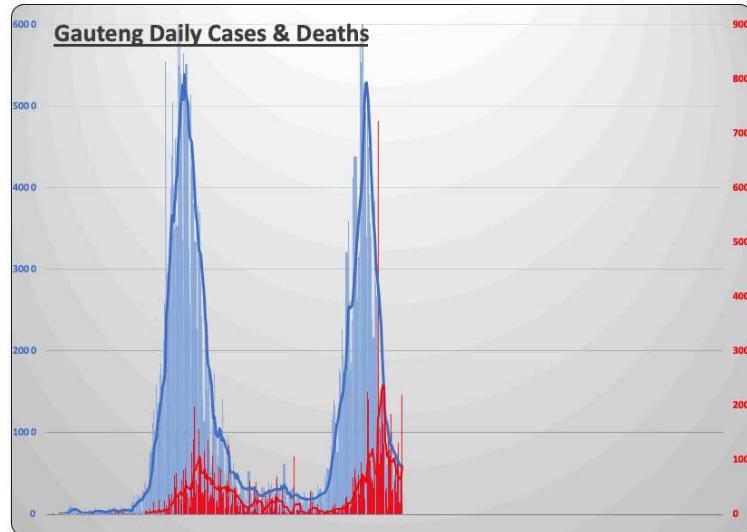
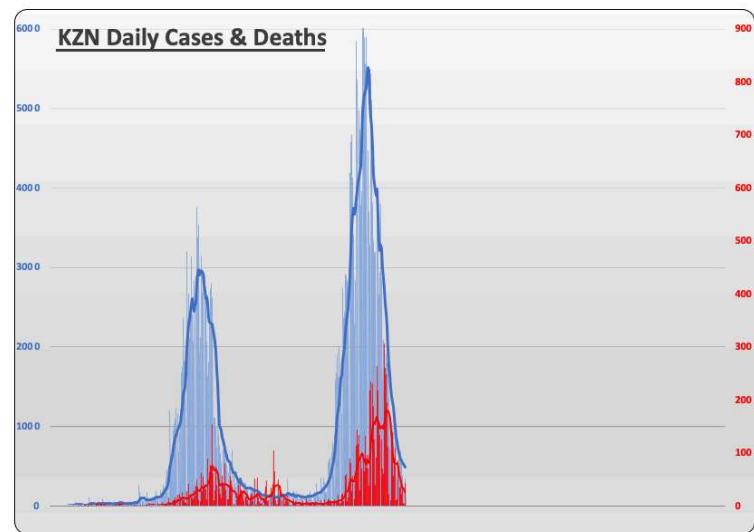
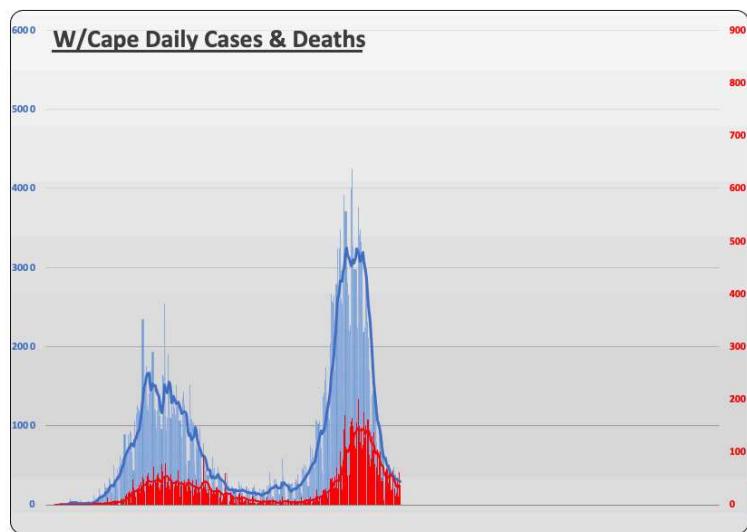
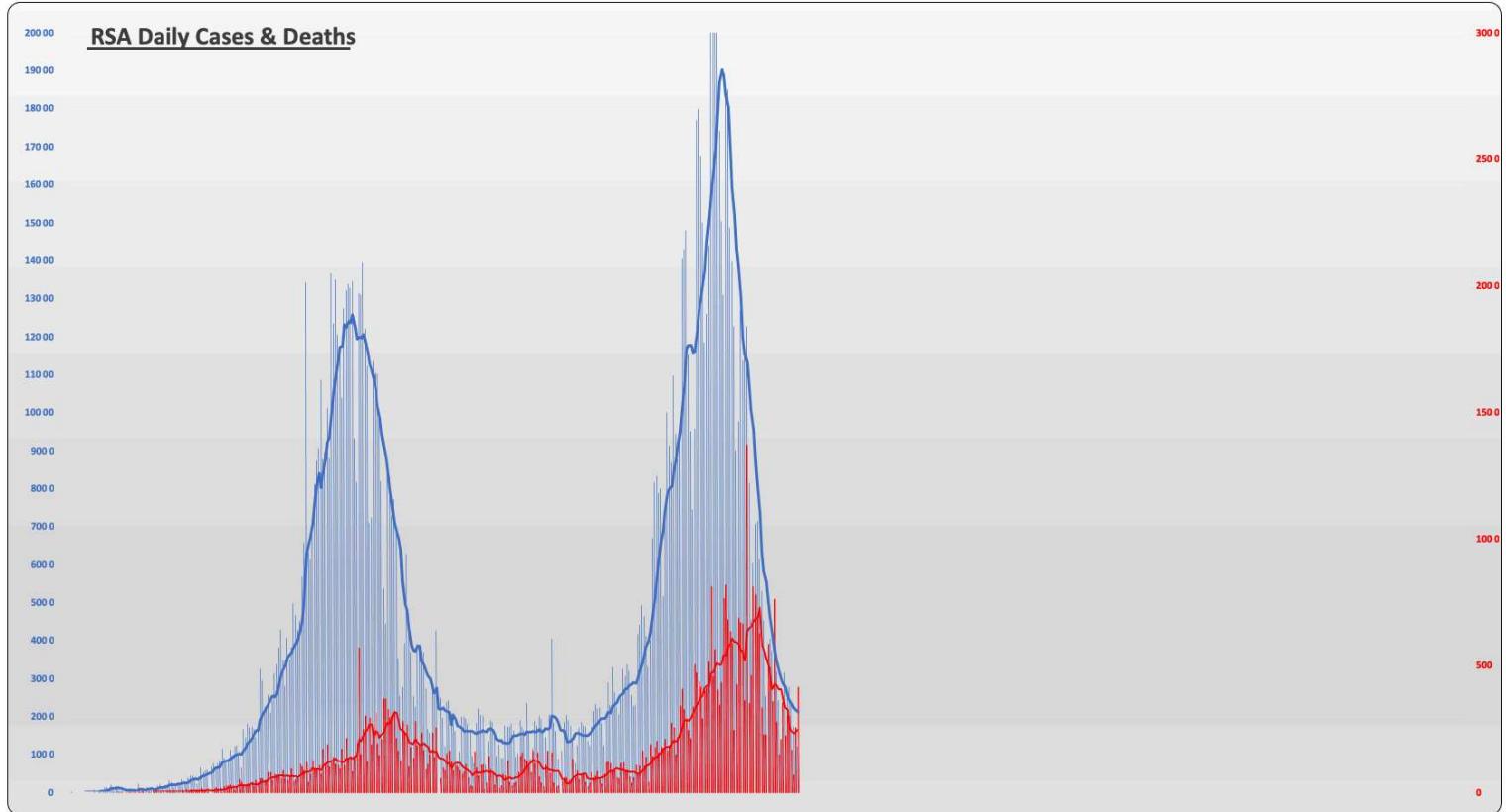


Major Provinces: In Hospital per 100k PoP



Smaller Provinces: In Hospital per 100k PoP

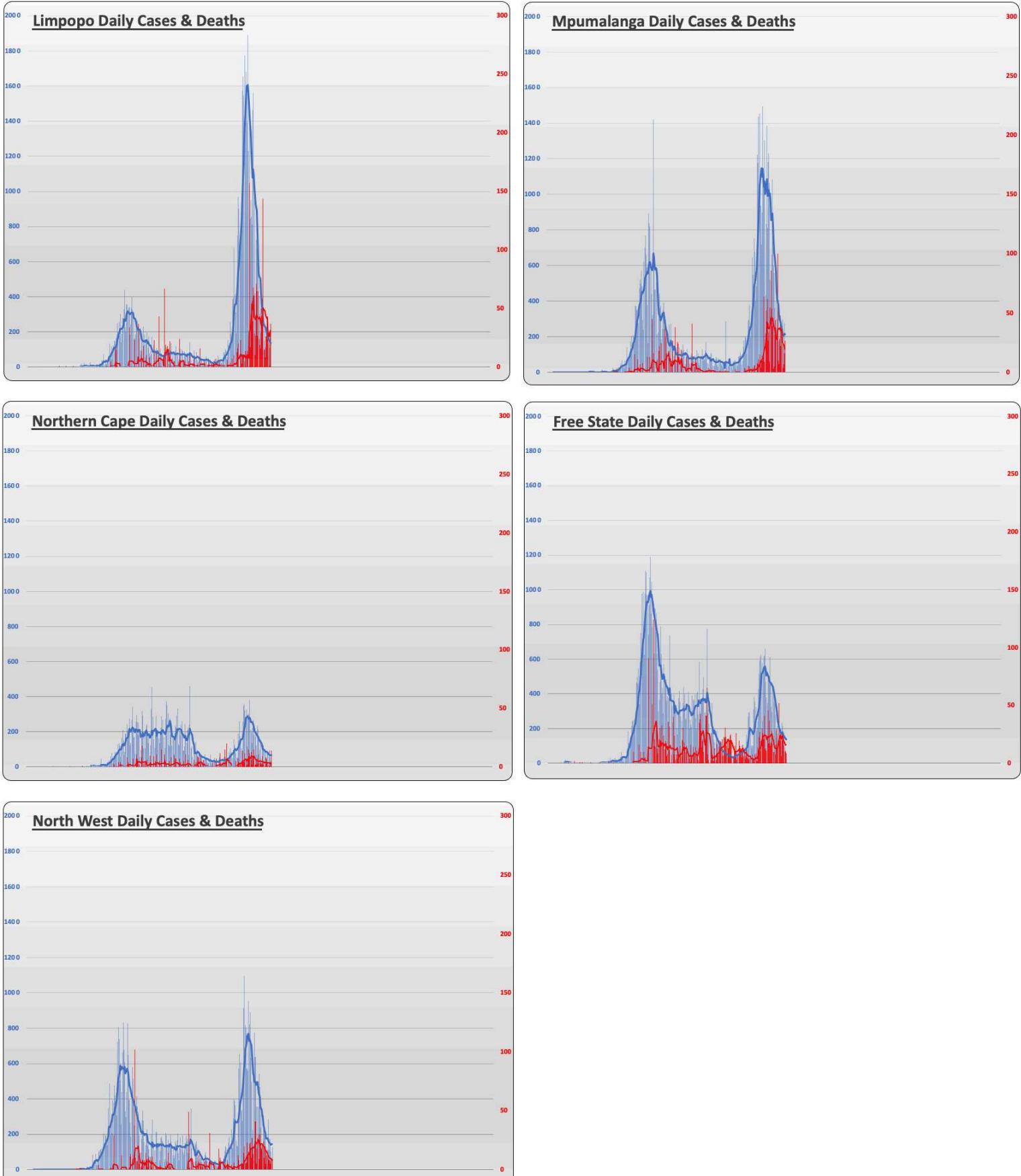


RSA & Major Provinces:**Daily Cases & Deaths (7 Day MA)**

RSA Smaller Provinces:

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Daily Cases & Deaths (7 Day MA)



Vaccination Data

RSA: Vaccinations per 100k PoP :

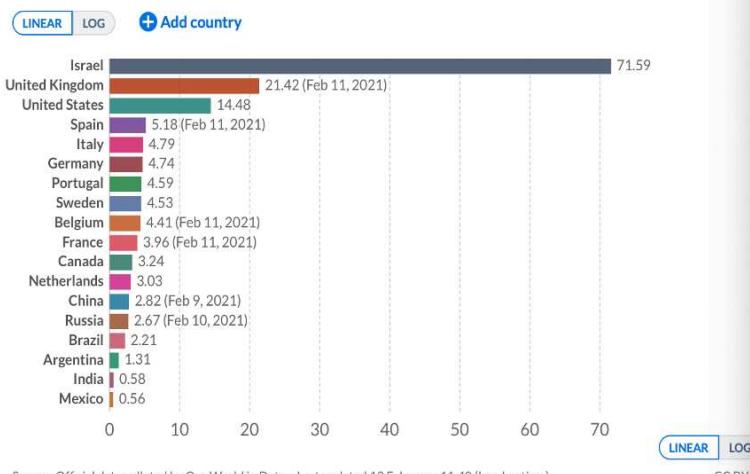


Selected countries who publish their VAC data :

COVID-19 vaccine doses administered per 100 people, Feb 12, 2021

Our World in Data

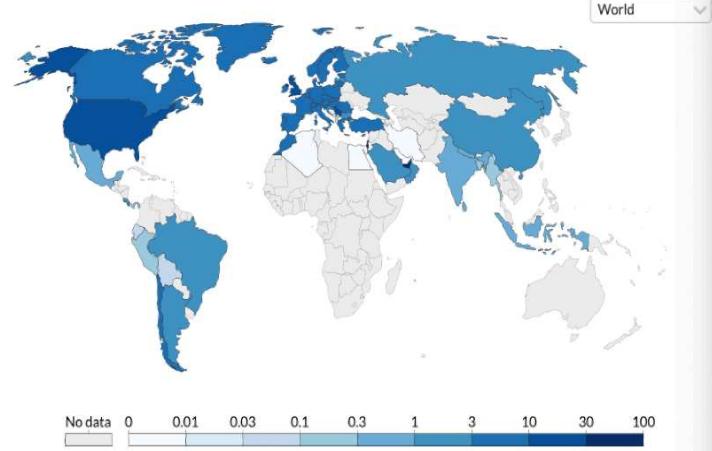
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



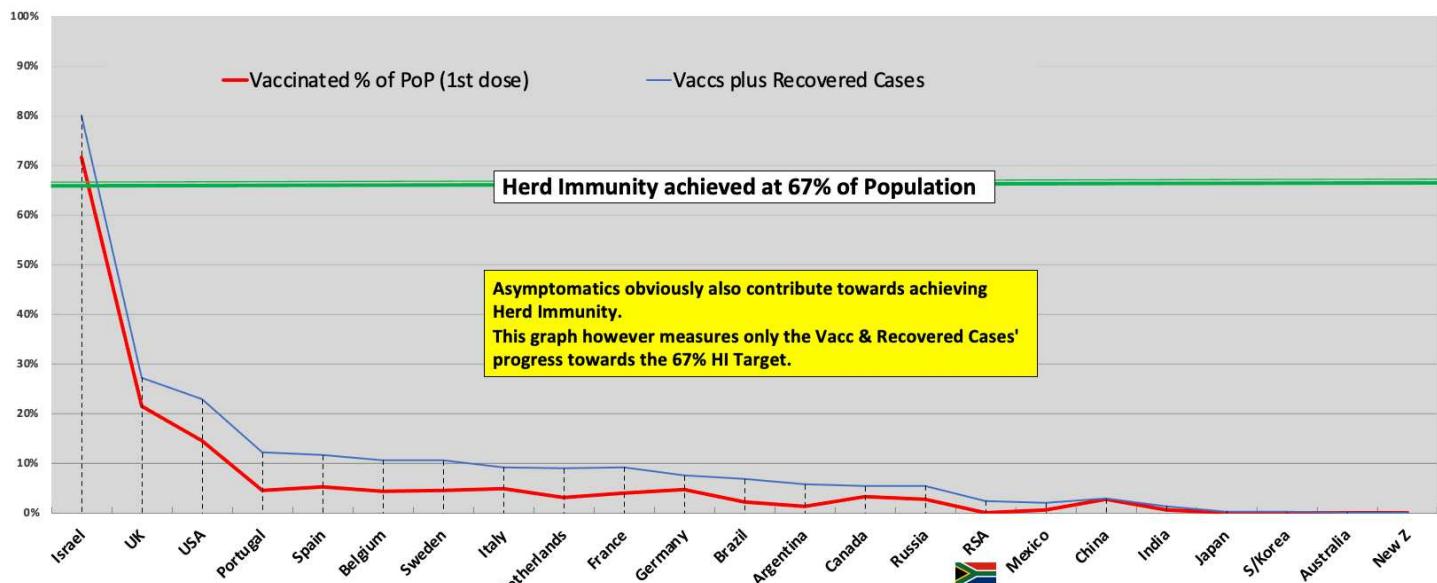
COVID-19 vaccine doses administered per 100 people, Feb 12, 2021

Our World in Data

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....

