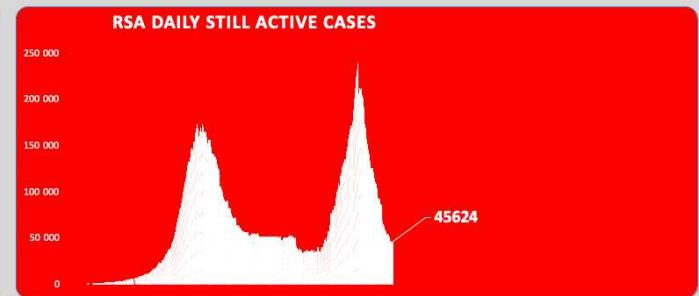
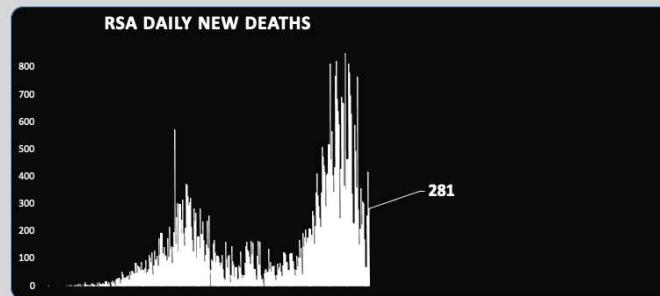
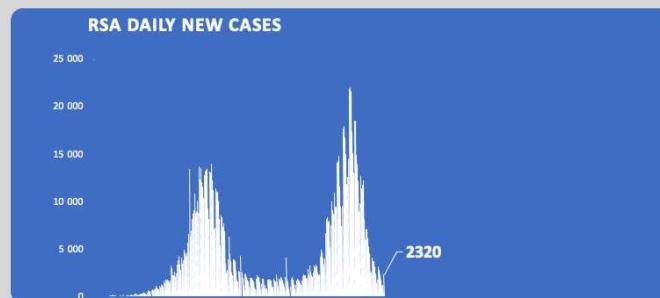
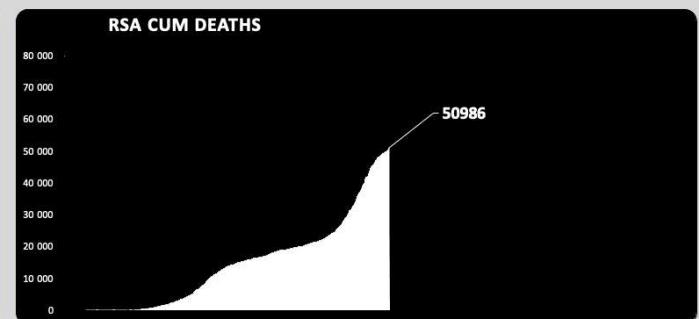
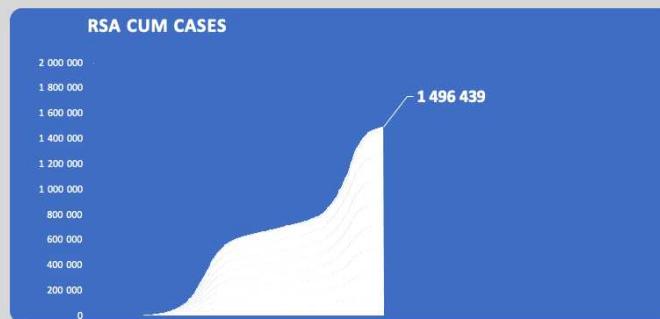


HarryG COVID-19 Dashboard

Cum +Cases		Daily Cases		RSA COVID-19 DASHBOARD		Daily Still in Hospitals	% of Reported Cases who Died (CFR)	Cum Recoveries	
1 496 439		2 320	↑	18 February 2021		11879	3,41% ↑	1 399 829	↑ 93,5%
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP		Cum Deaths Daily		% of RSA PoP who have died to date (CMR)		% of RSA PoP Vaccinated & % Vacs + Recovered Cases	0,0% 2,44%
45 624 ↓	25 231	860		50 986	281 ↓	0,086%		Cum Tests Daily Tests	8 772 743 35 413 ↑
Deaths Avg Age	Deaths Min Age	Deaths Max Age		Cases Deaths CFR		Deaths Median Age		Daily Positivity Rate:	
62,3	0,2	105		Female: 57,8% 51,5% 2,69% Male: 42,2% 48,5% 3,48%		60,1		6,6% ↑	
11-Feb									

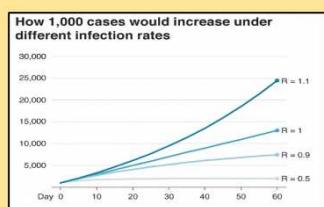


RSA Rt

Prev 2 :	.52
Prev 1 :	.56
Latest :	.60

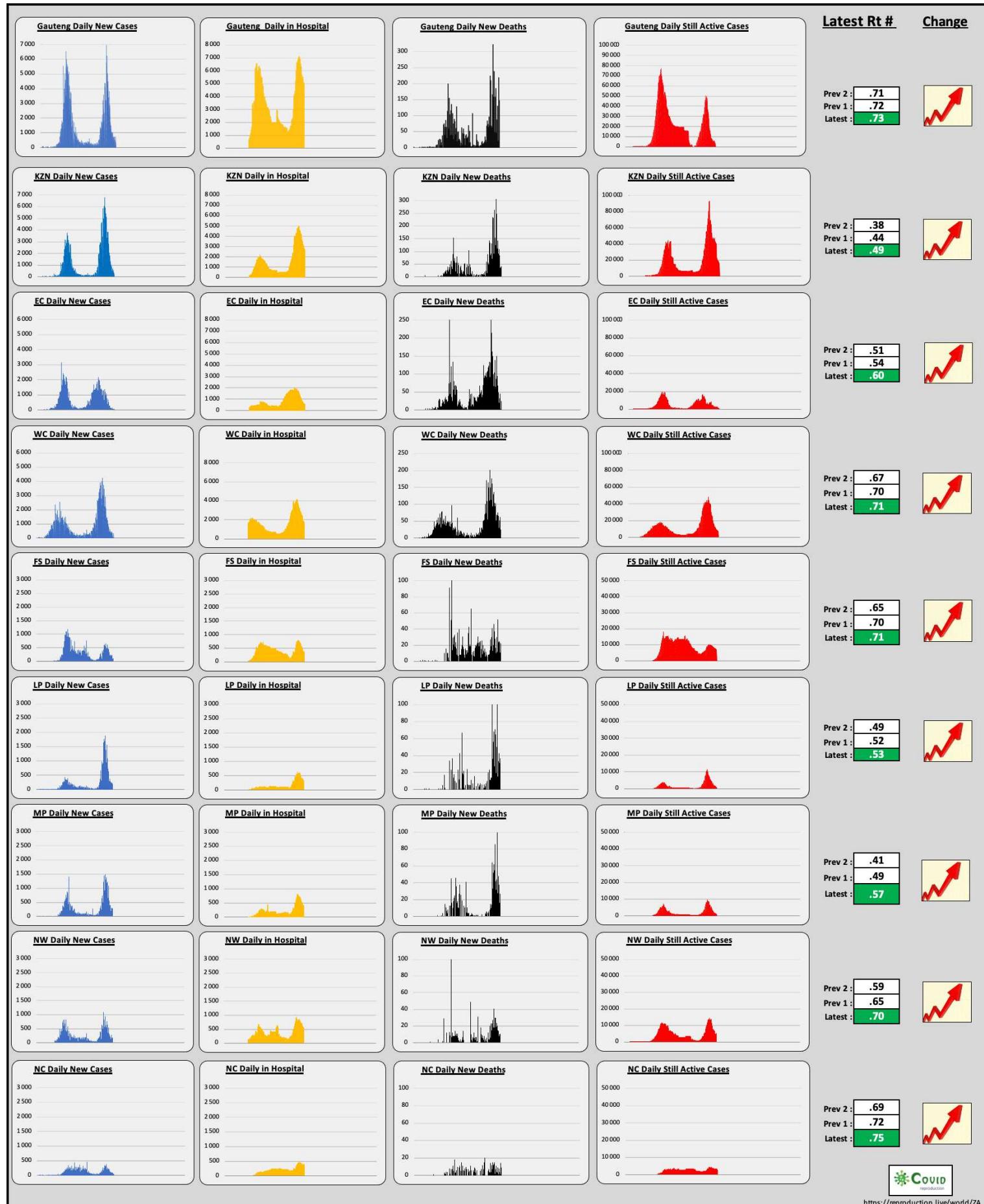


An R0 below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. An R0 above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.

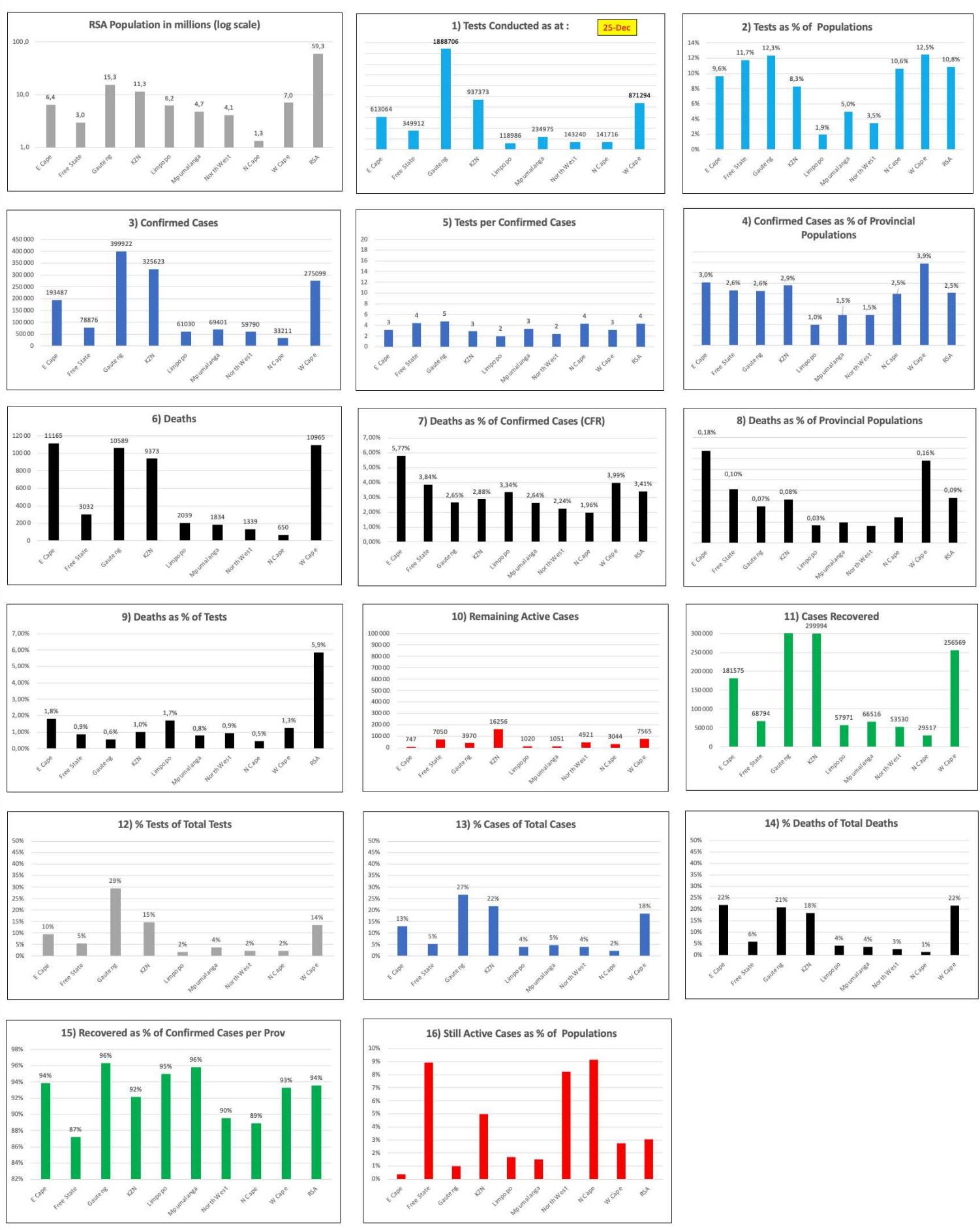


RSA Provinces detailed daily Data and Trends Jan 2020 to Dec 2021

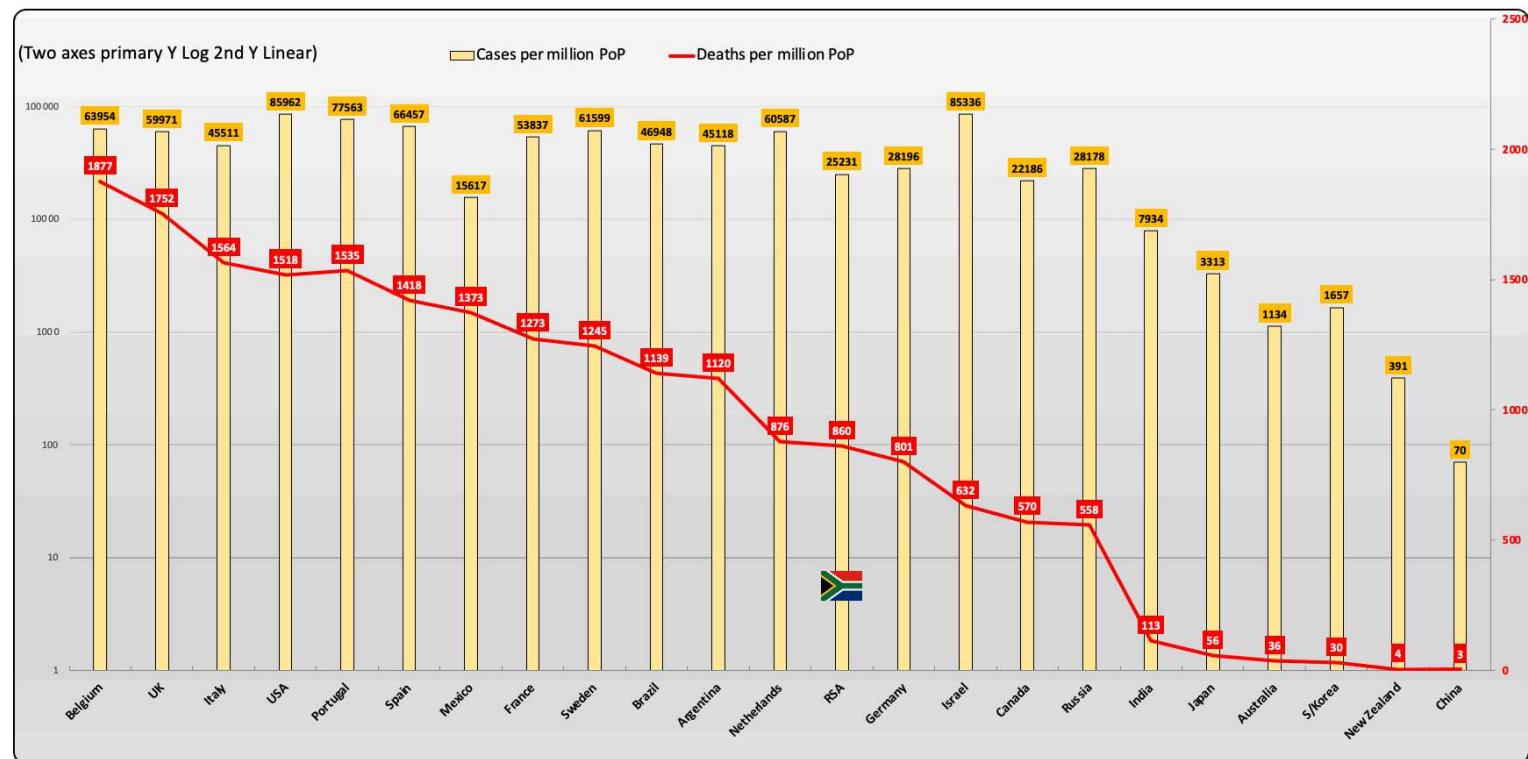
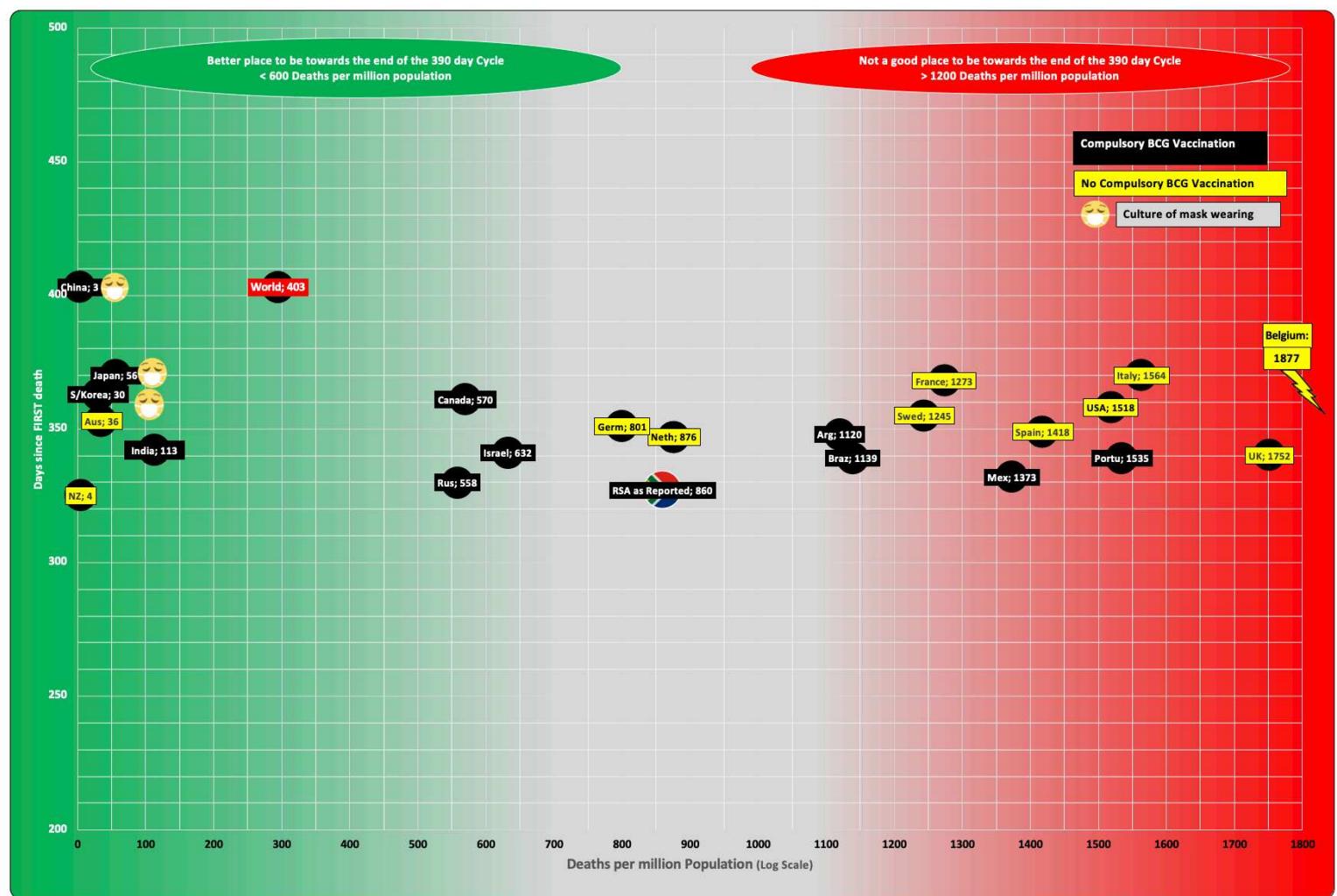
How old is the Data? : Cases 2-5 days, Hospitalisation 1-3 days, Deaths 4-10 days, Still Active Cases 4-10 days, Rt #'s 3-10 days



RSA Covid Stats: National & Provincial Data & Ratios



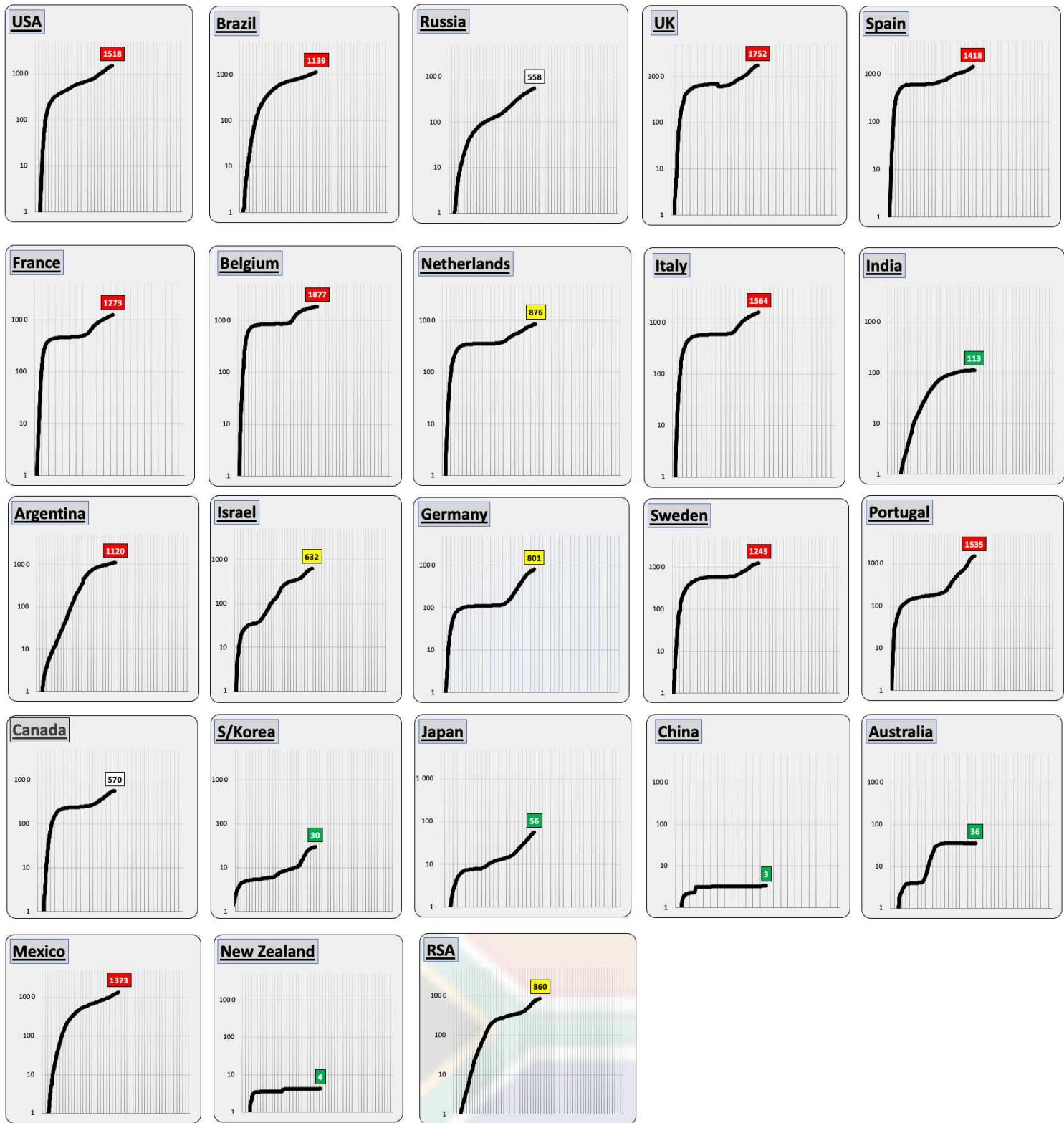
Selected Countries' Reported Cases & Deaths per mill PoP



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"

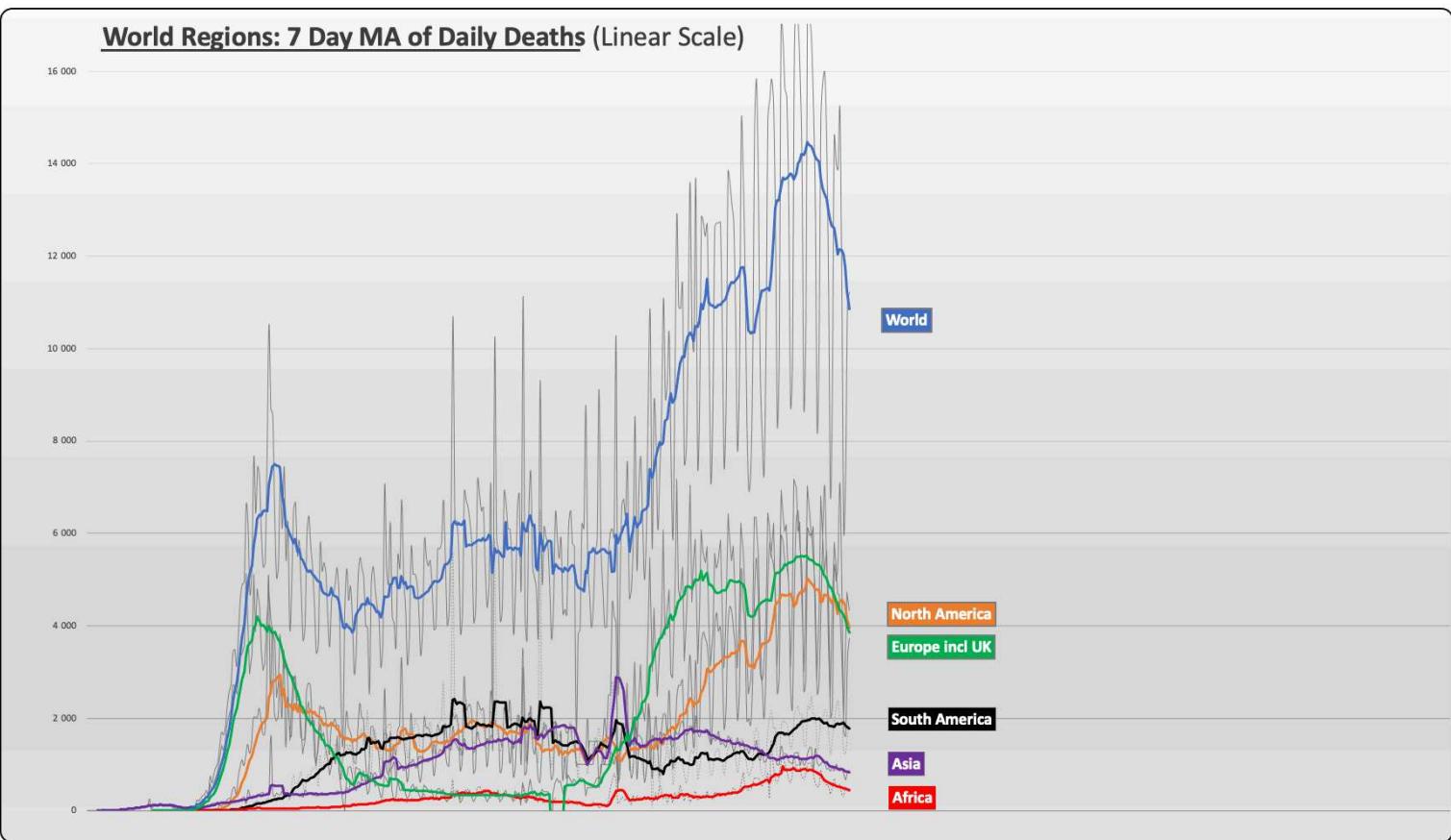
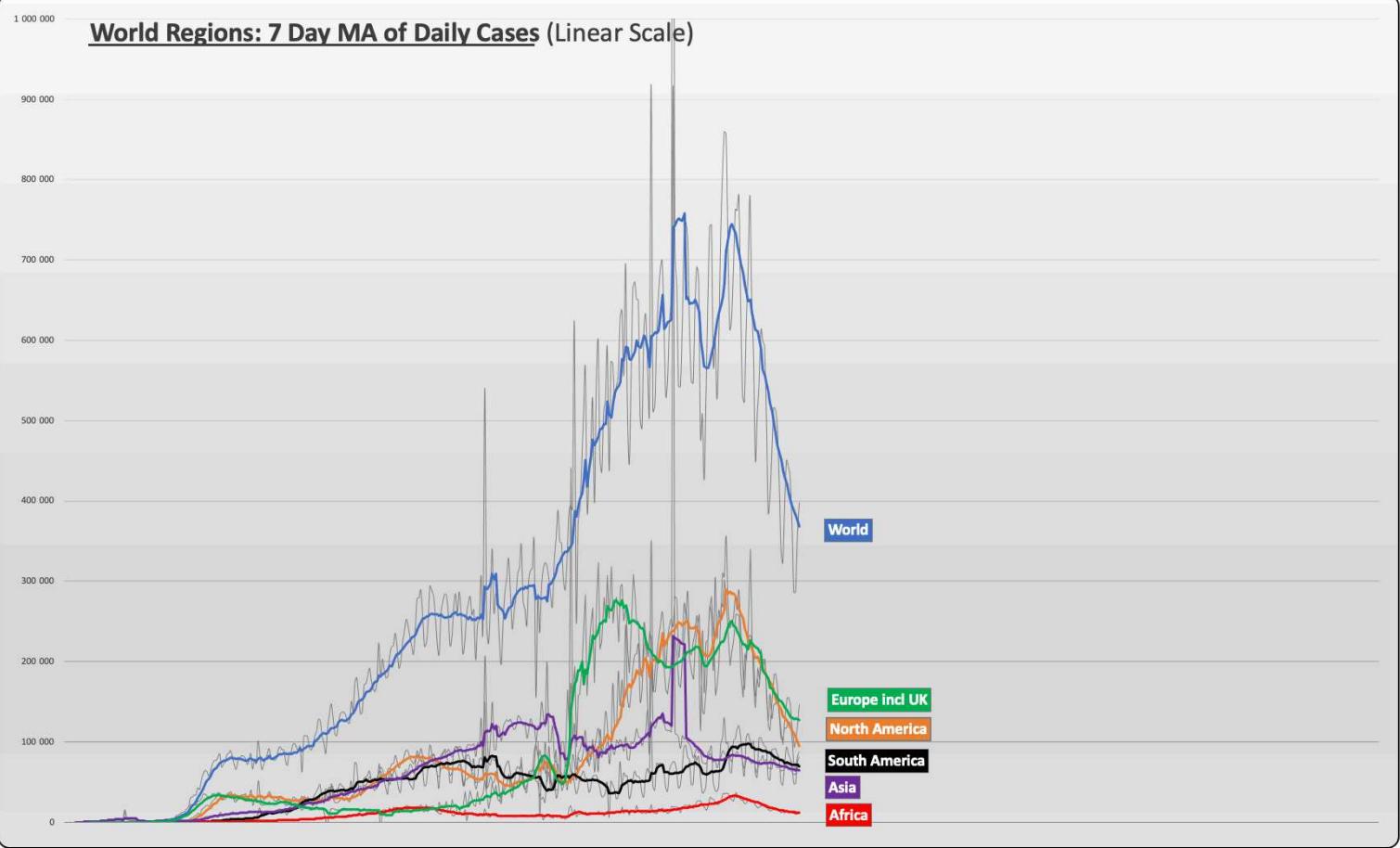
Peaked but spiking again
 Passed peak but could rebound OR next wave
 Well past peak, unlikely to rebound

Onset/1st wave
 Next waves



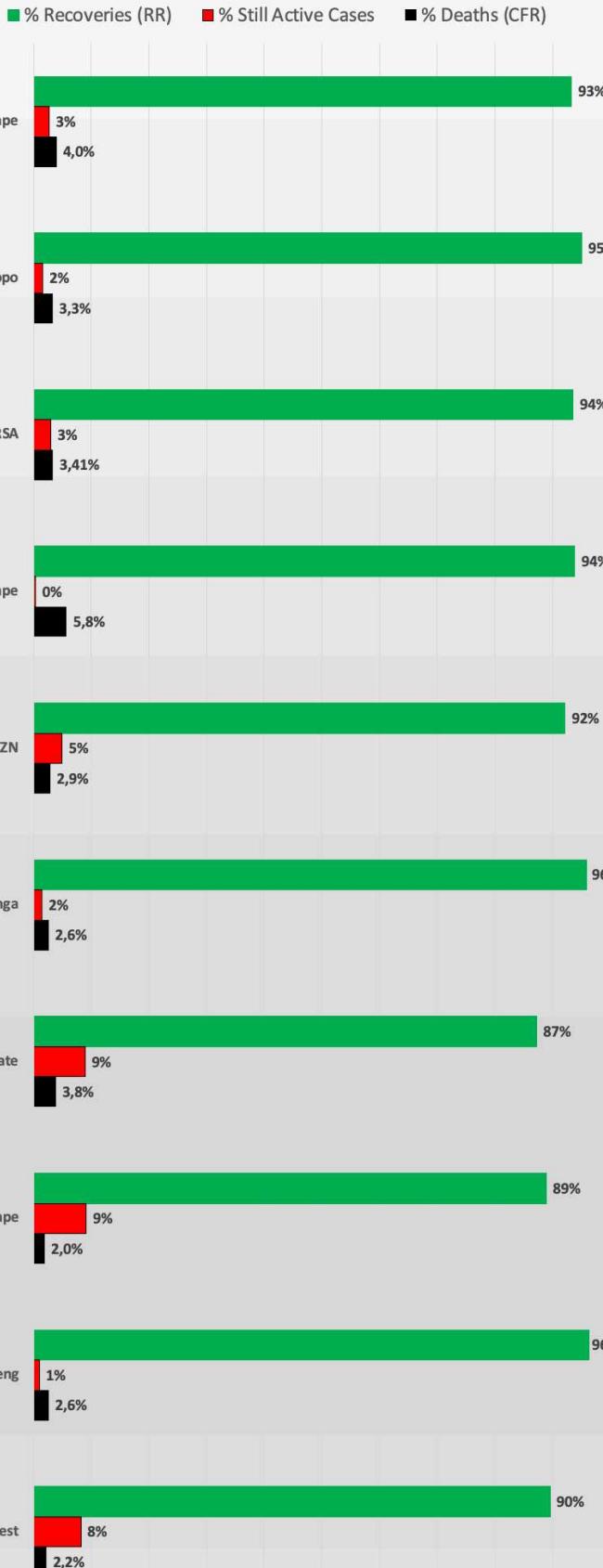
10 Day Moving Average of Daily Deaths & Cases by World Region

Page 3.0

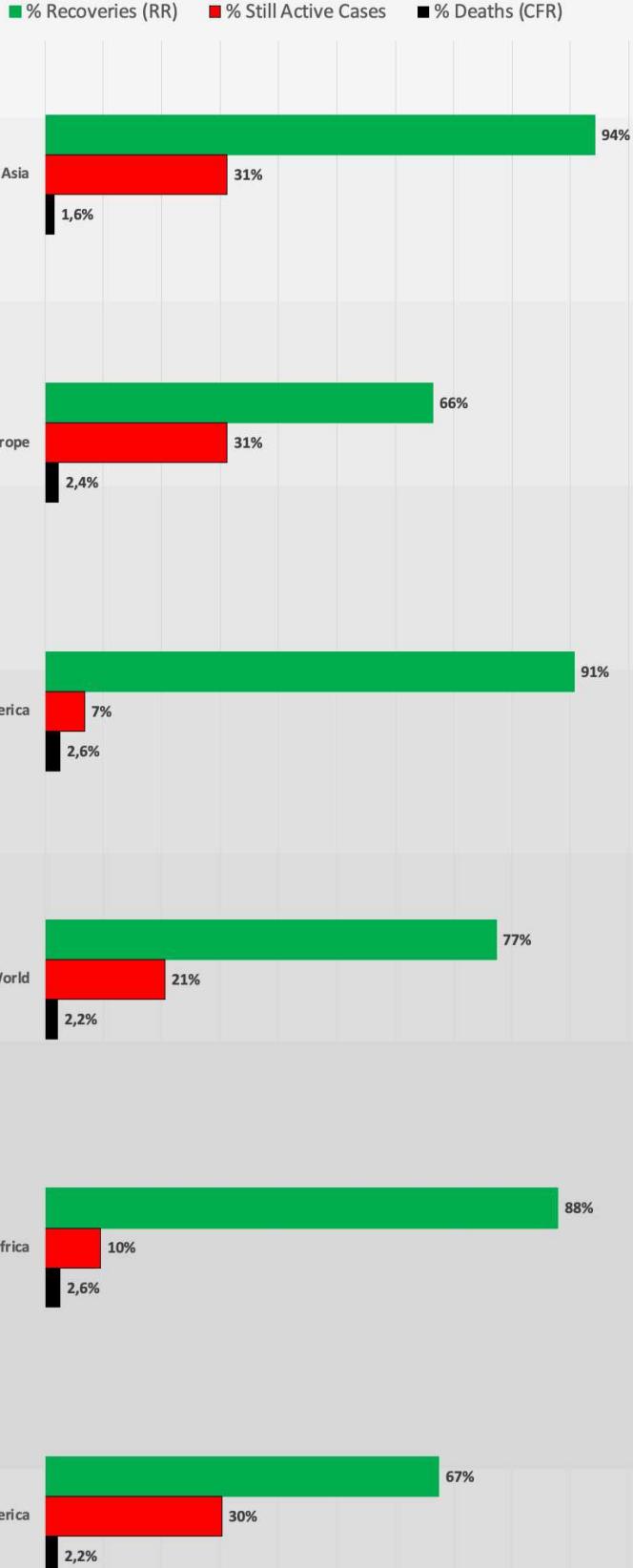


RSA & Provinces v World Data

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



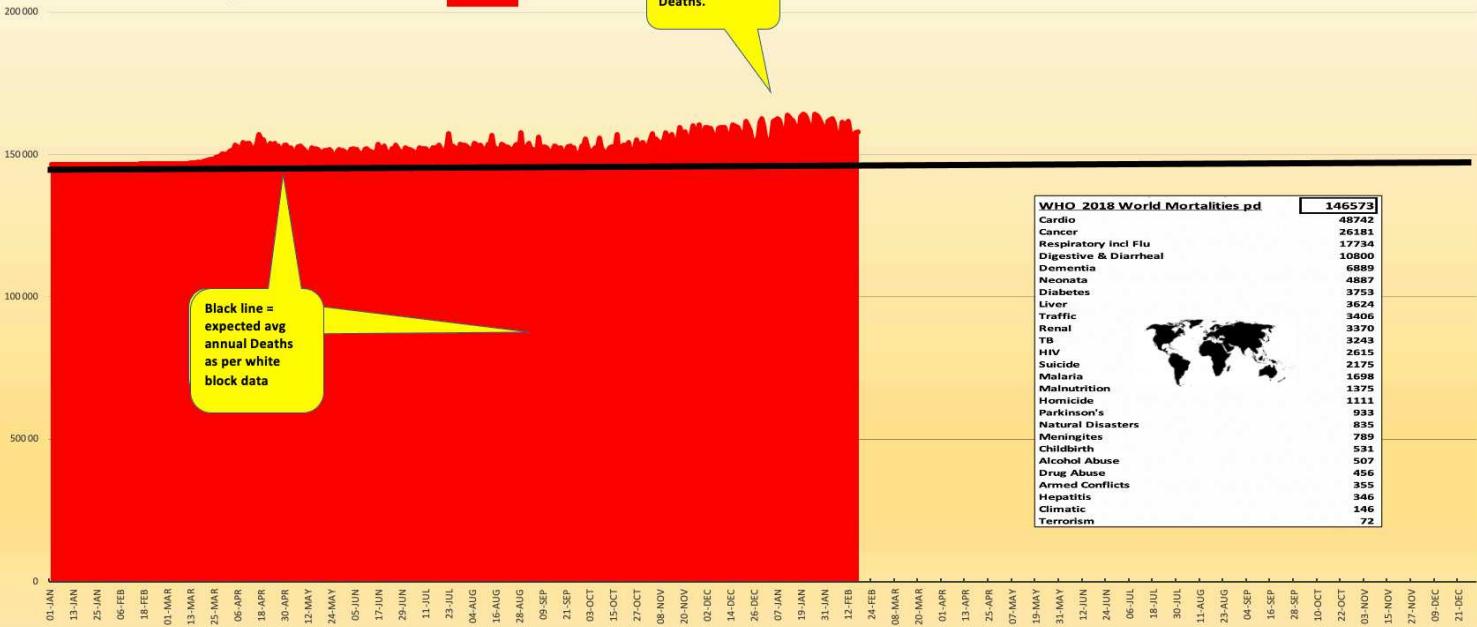
World Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases



Avg "normal" DAILY WORLD Mortalities v COVID: Daily Deaths (Linear Scales)

Avg Daily Covid Deaths 2020 to date: **6057**
 Highest Daily Covid Deaths 2020 to date: **17654**
 Latest Daily Covid Deaths 2020 to date: **11221**

Red line =
Reported Covid
Deaths.



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.

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

Avg Daily Covid Deaths since 1st Death 2020 to date: **106**
 Highest Daily Covid Deaths 2020 to date: **1374**
 Latest Daily Covid Deaths 2020 to date: **281**

Weekly Excess
Deaths at 13
Feb

Red line =
Reported daily
Covid Deaths.

Blue line =
Weekly Excess
Deaths
(see Pg 5)

Black line =
expected avg
daily Deaths as
per white block
data

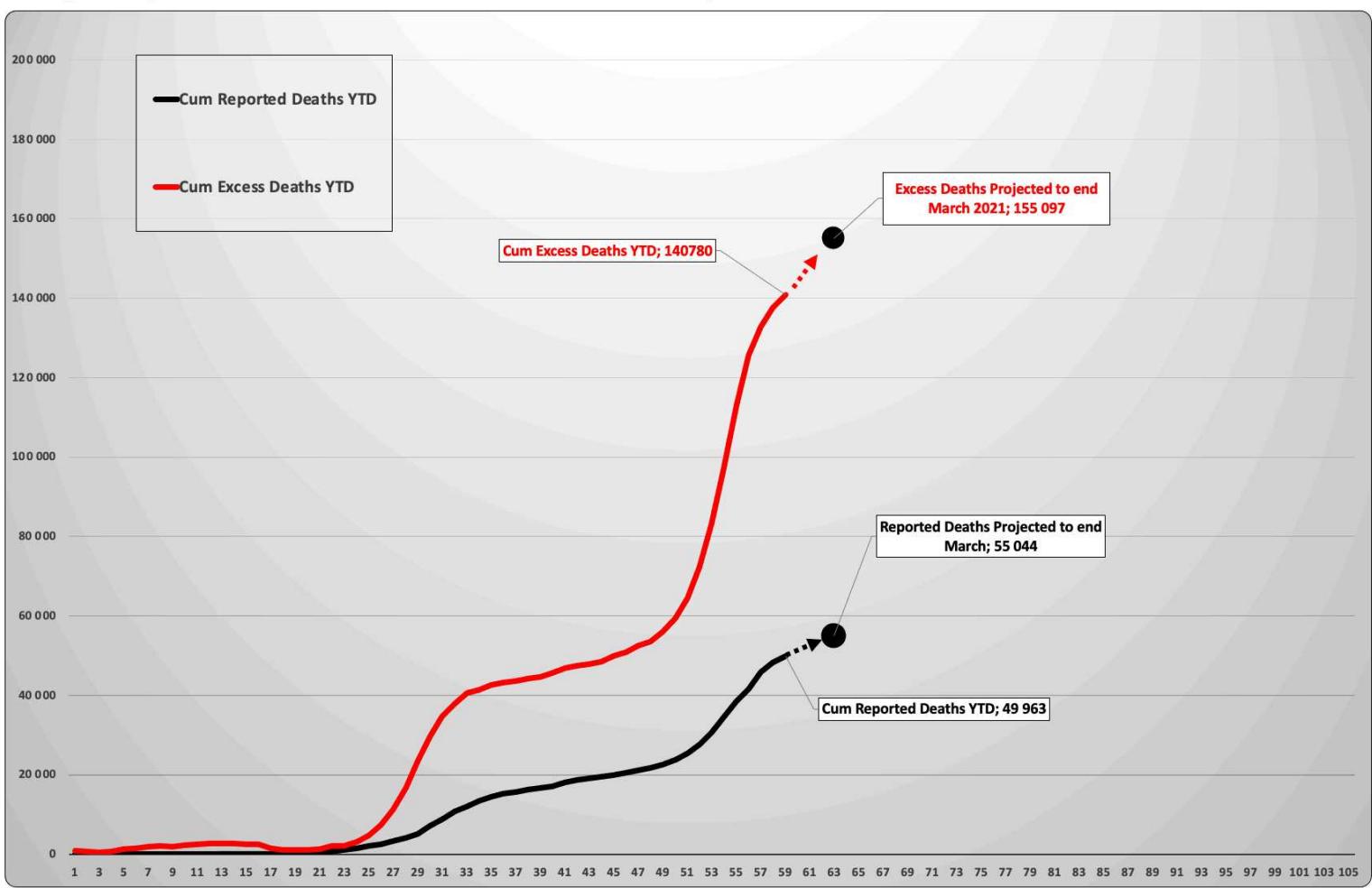
StatsSA 2017 RSA Mortalities per day	1223
Natural Causes	549
Unnatural Causes	140
Cardio	96
Respiratory incl Flu	88
TB	79
Diabetes	69
Cancers	61
HIV	59
Hypertensive	55
Other Viral	46

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 13 Feb:

181,8%

Selected Countries :

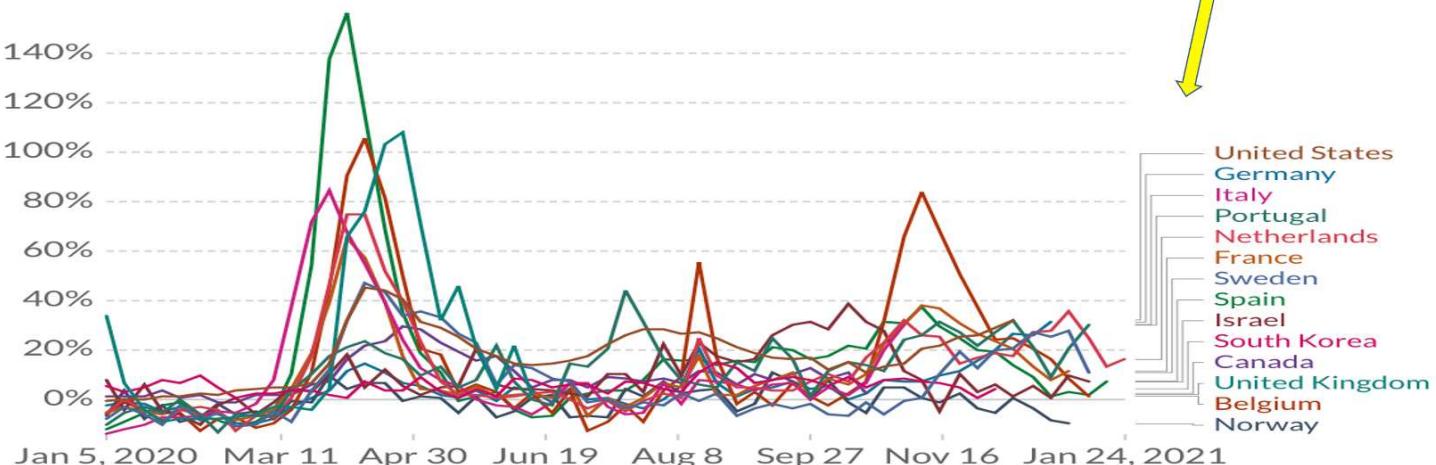
avg approx 15%

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

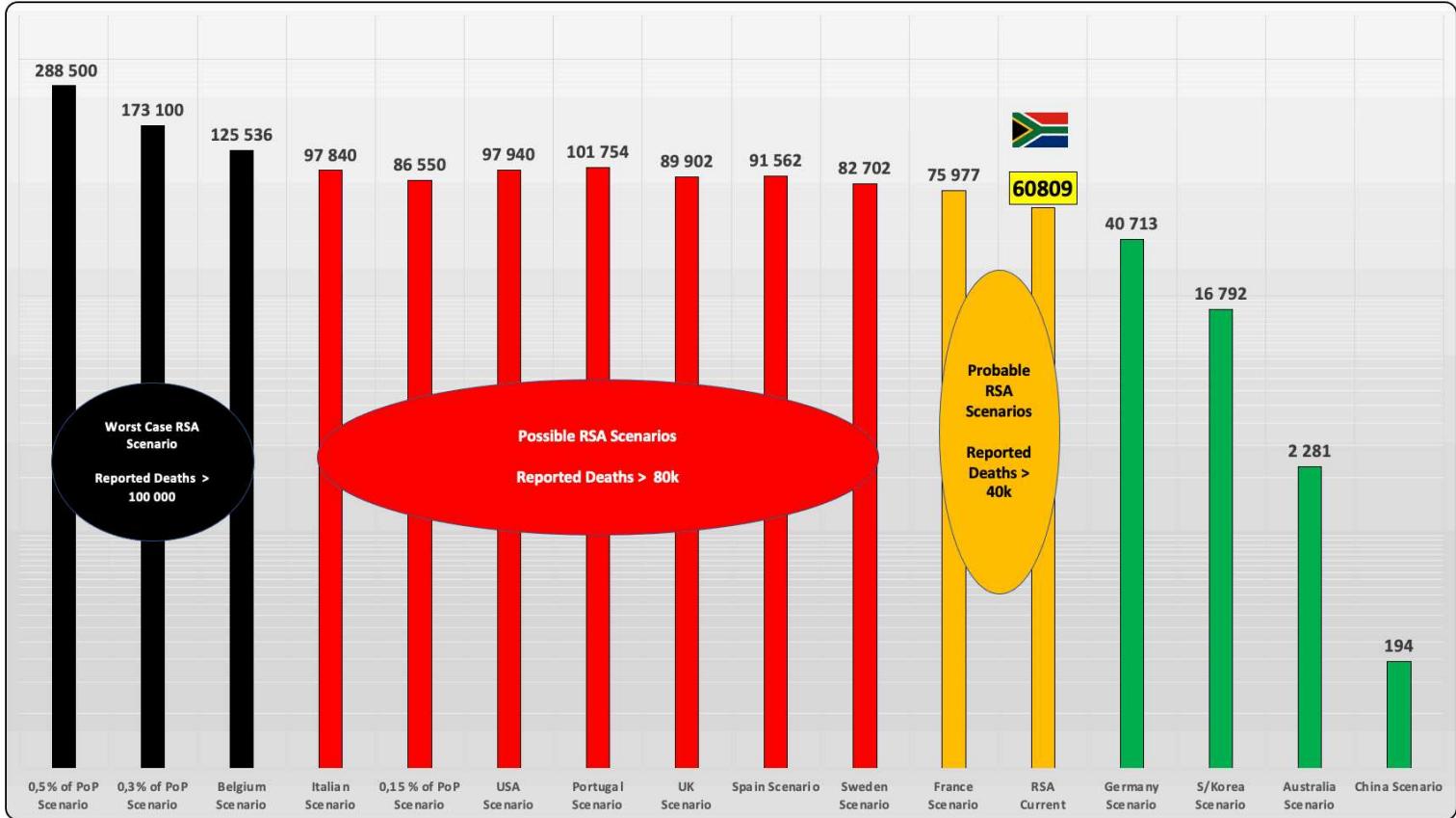
Data as at: 23 January 2021

Unless otherwise indicated

hdg 18 February 2021

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

15 Scenarios and 1 Projection (Log Scale)

**Key:**

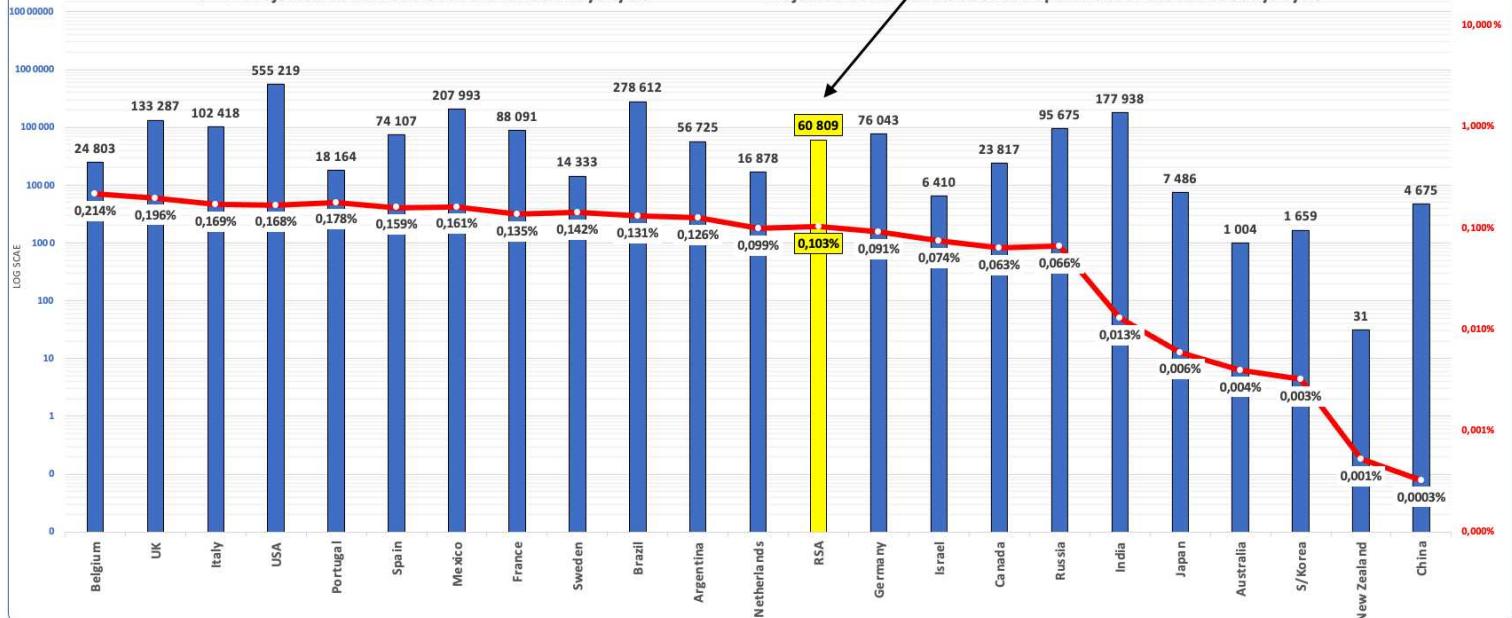
All Scenarios duly adjusted daily
for population size and for the
different timelines into the
deemed 390 day pandemic cycle.

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



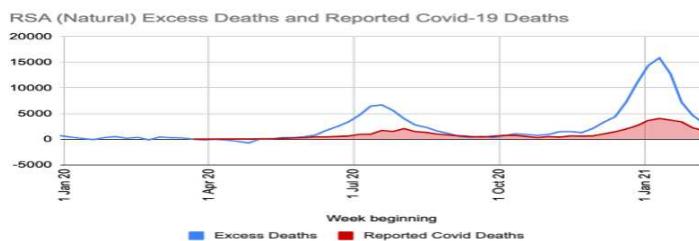
Note: Above Mortality %'s are overall projected mortality of the populations (PMR), NOT deaths of only those infected (CFR).

RSA Excess Deaths as per SA Medical Research Council

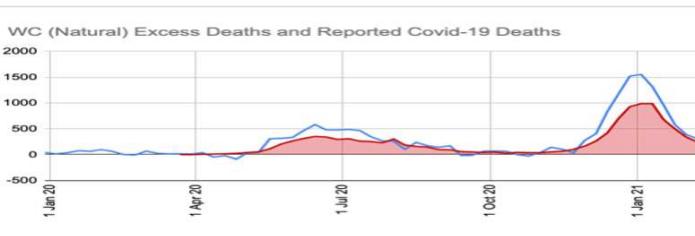
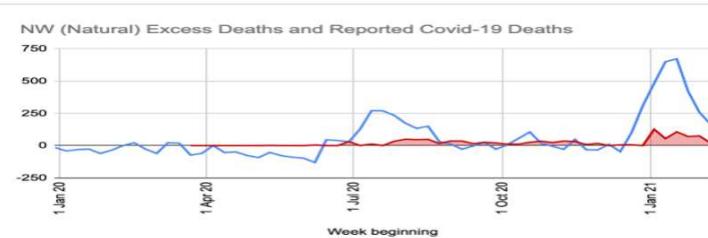
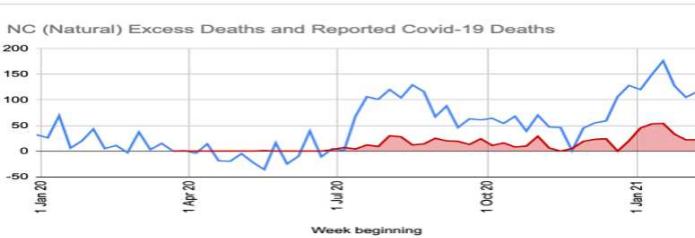
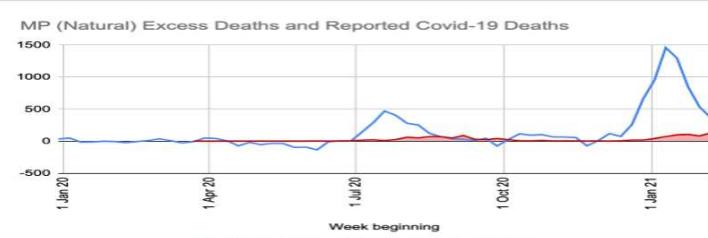
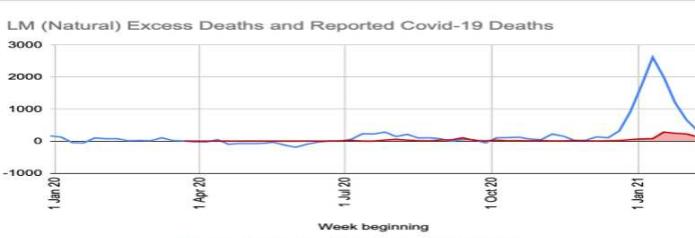
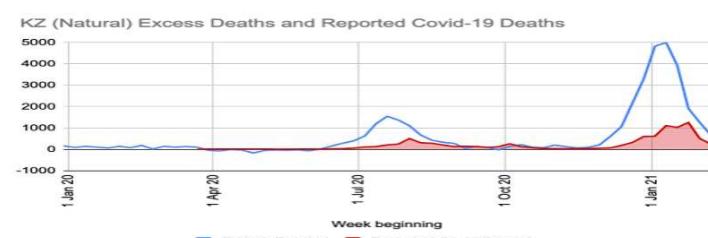
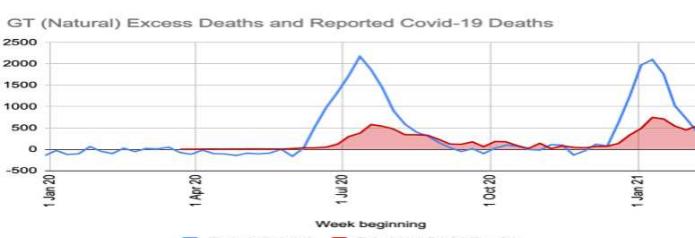
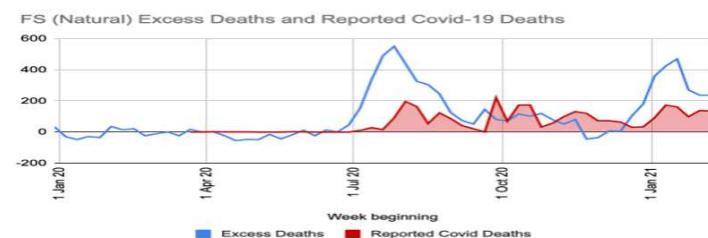
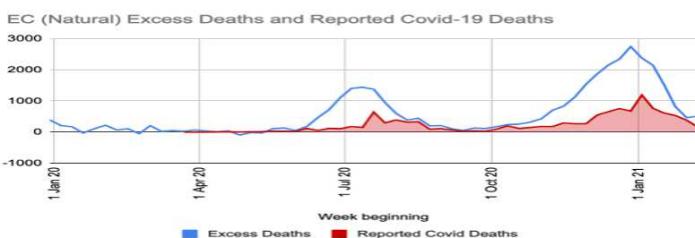
Data as at:

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).

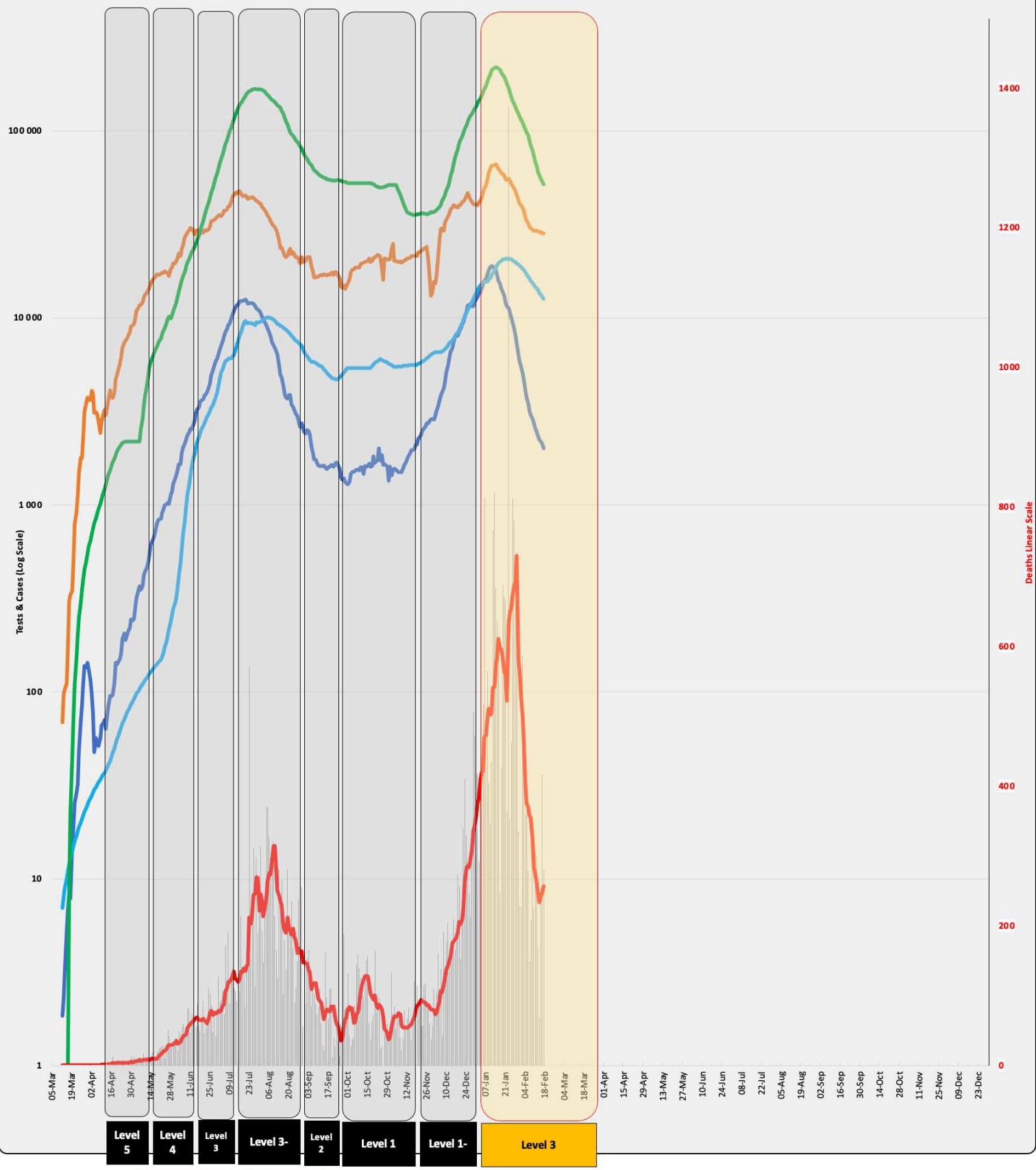
Data as at:

Latest Available

hdg 18 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

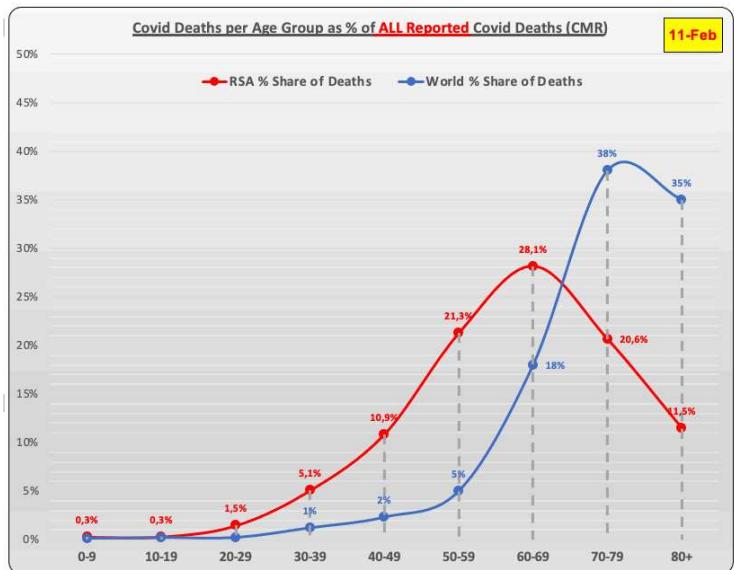
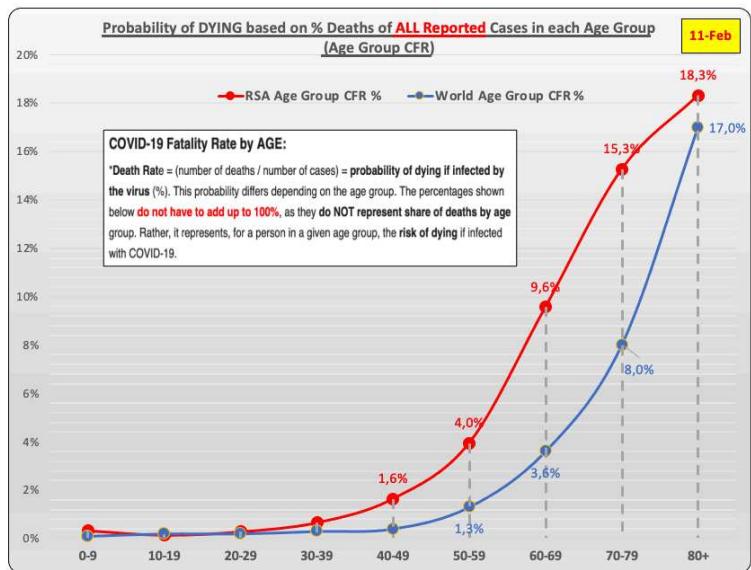
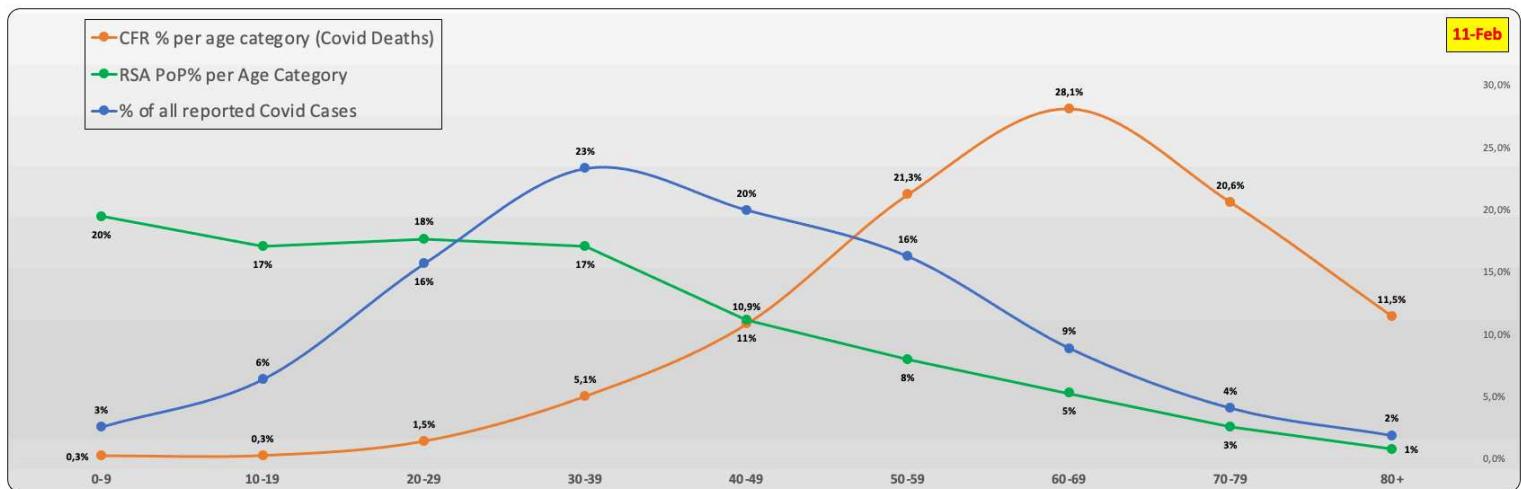
Limpopo

Maphumalanga

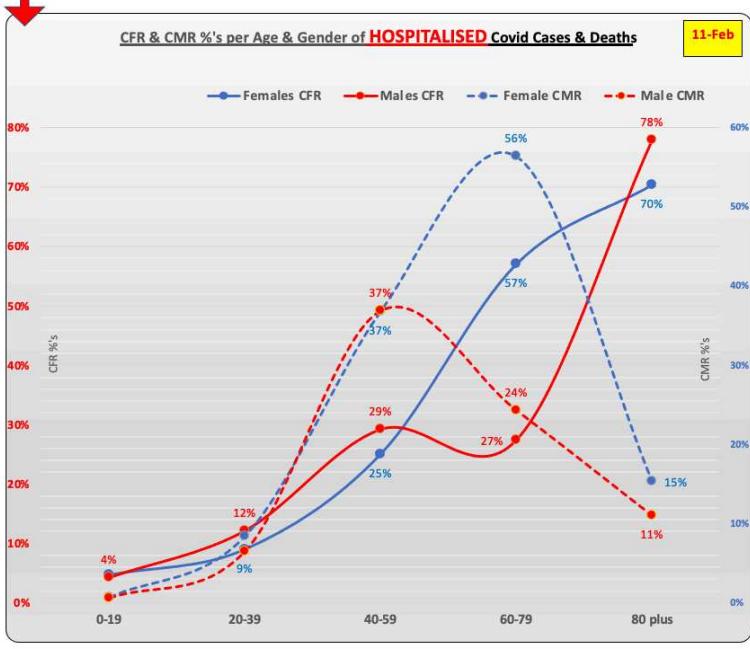
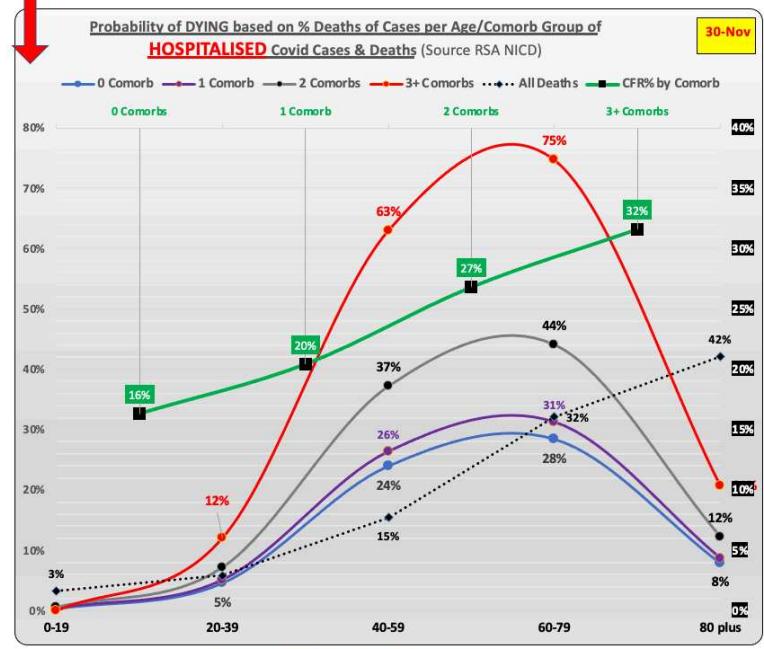
North West

N/Cape

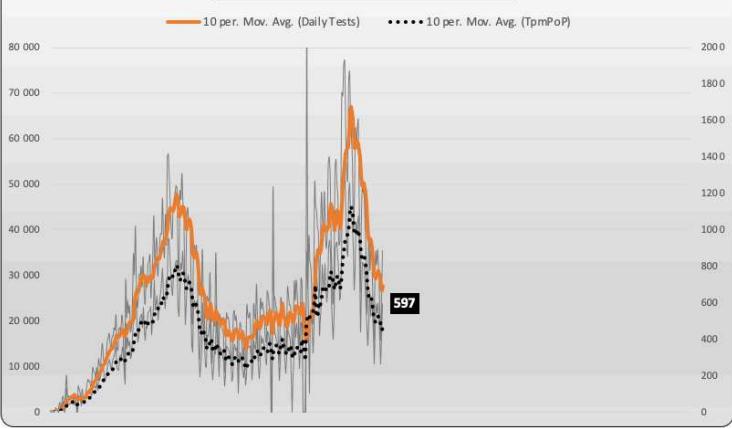
W/Cape

RSA Age & Gender Stats**COVID-19 Fatality Rate by AGE:**

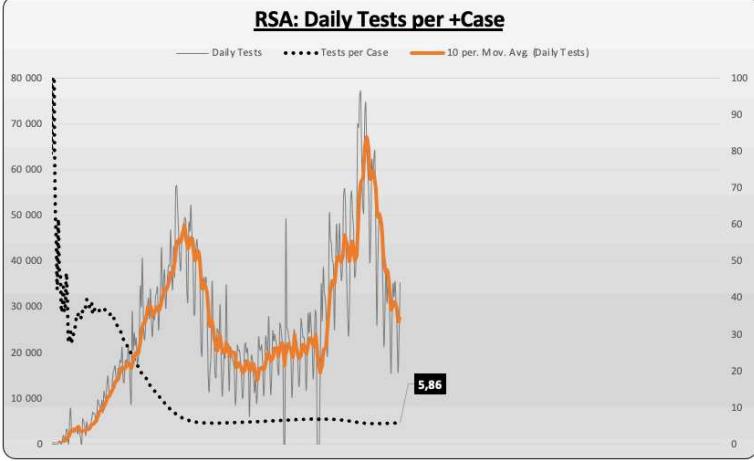
*Death Rate = (number of deaths / number of cases) = probability of dying if infected by the virus (%). This probability differs depending on the age group. The percentages shown below do not have to add up to 100%, as they do NOT represent share of deaths by age group. Rather, it represents, for a person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



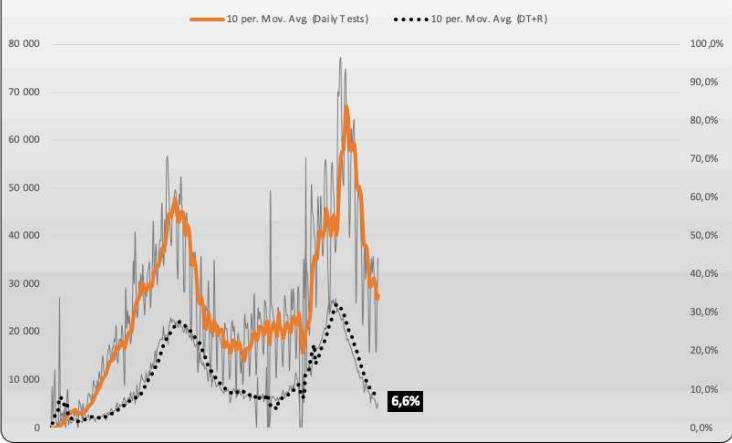
RSA: Daily Tests per million PoP



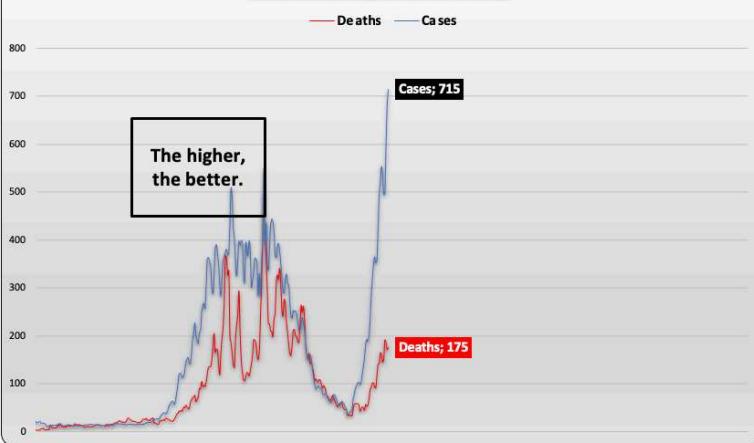
RSA: Daily Tests per +Case



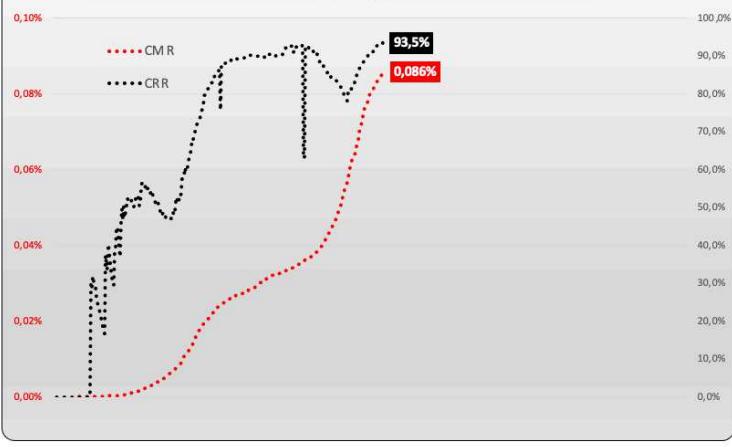
RSA: Daily Tests Positivity %



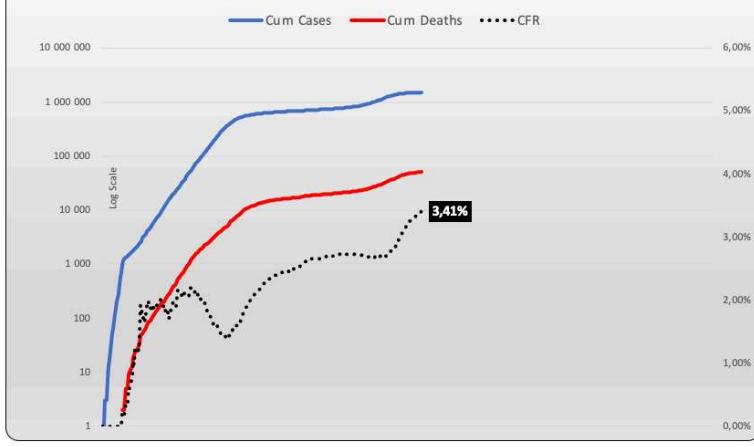
RSA Doubling Times in Days



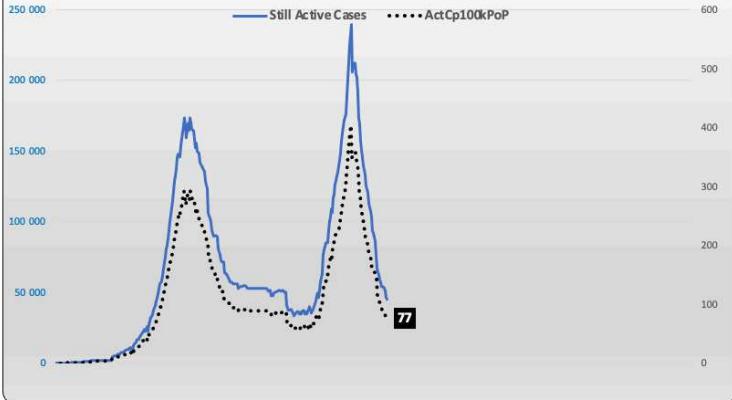
RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)



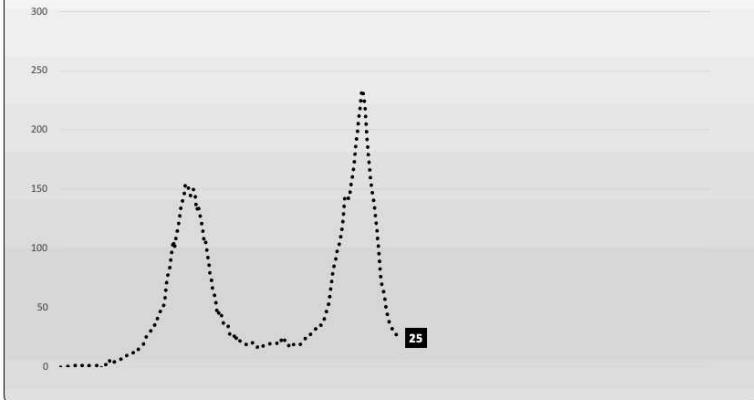
RSA: Deaths as % of Cases (CFR)



RSA: Active Cases per 100k PoP



RSA: Avg New Cases per week per 100k PoP

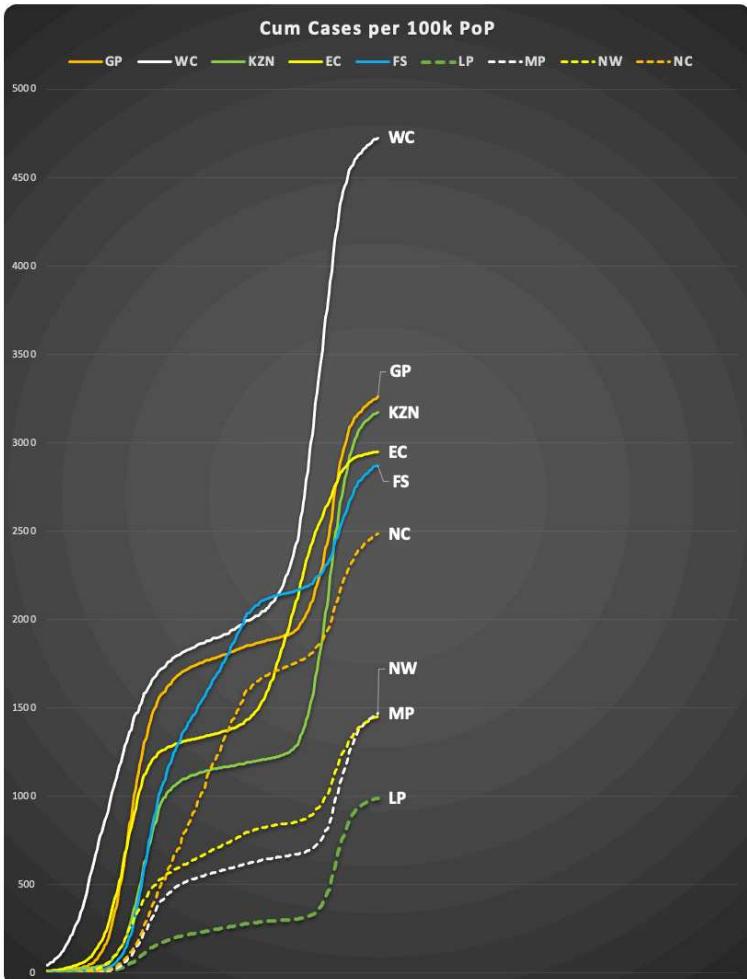


RSA & Provinces Key Data Sets

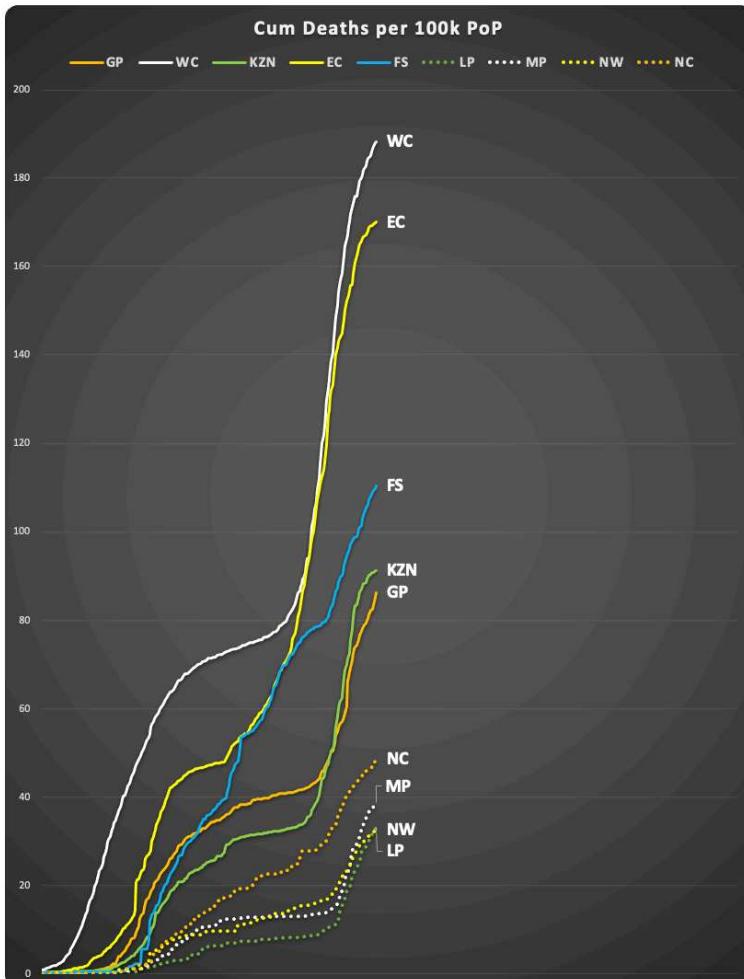
Page 5.5

All linear scales

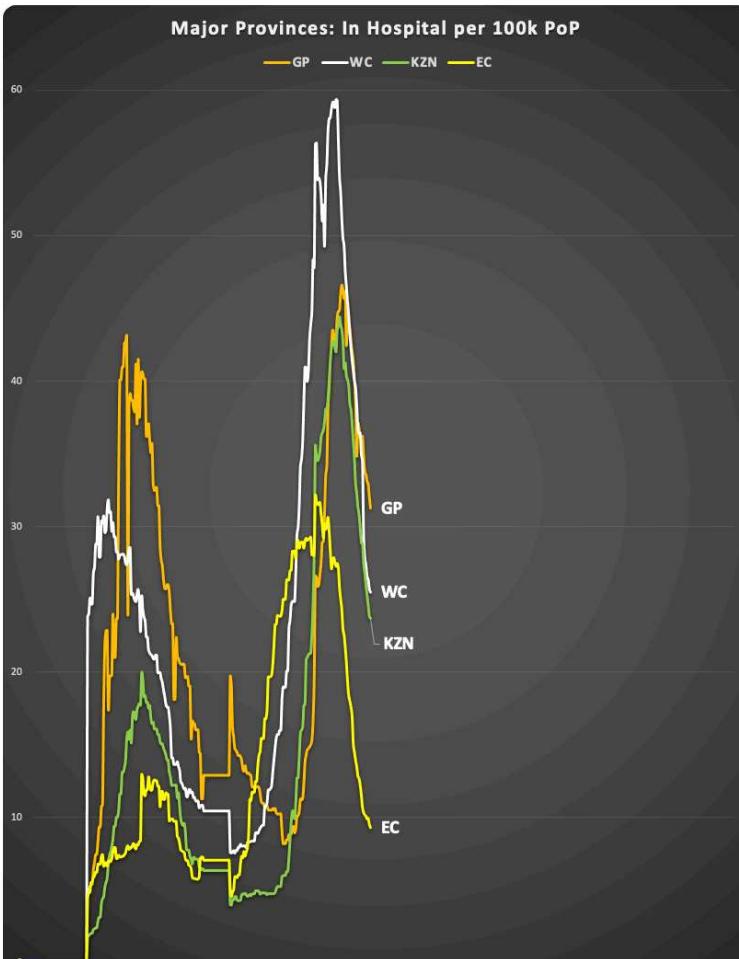
Cum Cases per 100k PoP



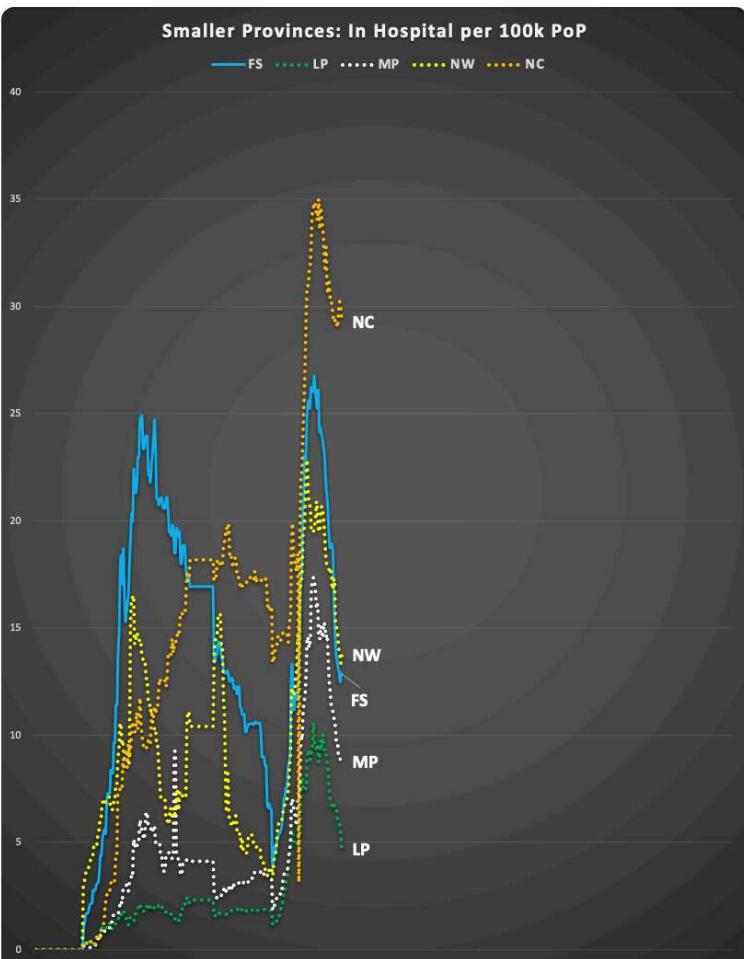
Cum Deaths per 100k PoP



Major Provinces: In Hospital per 100k PoP

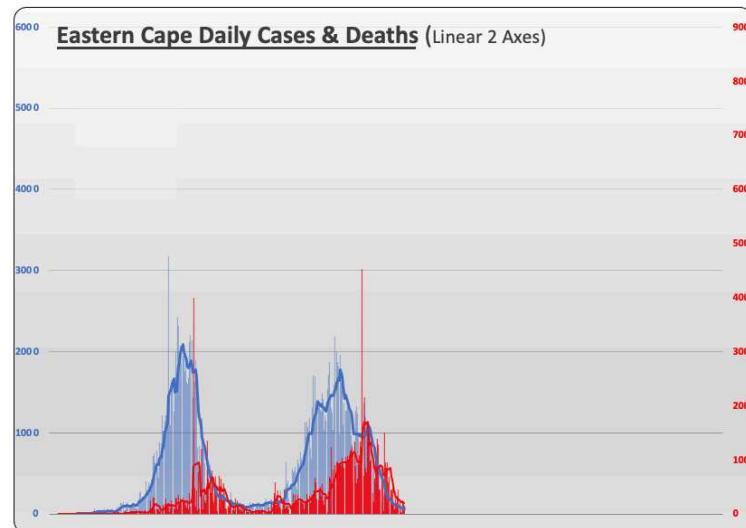
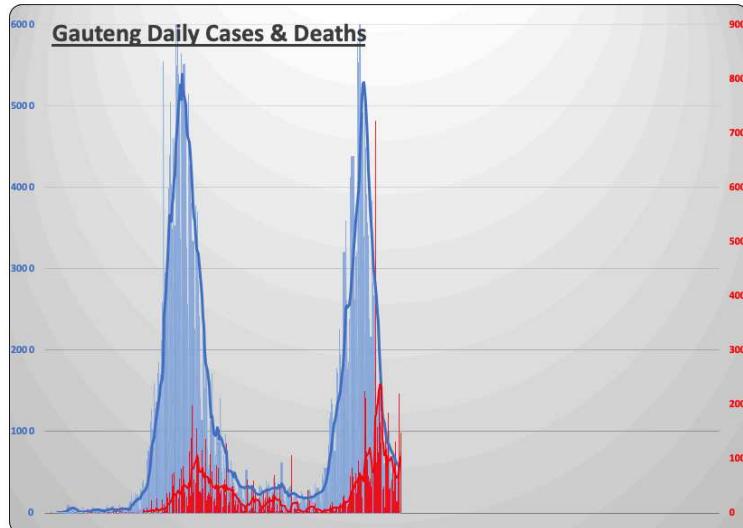
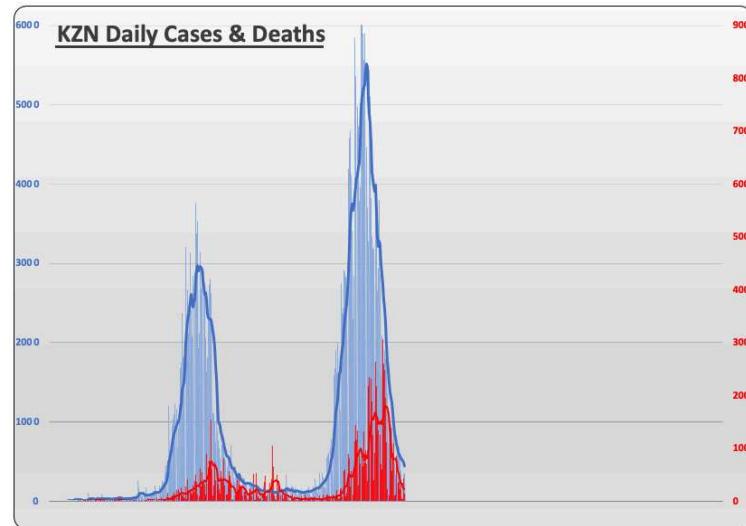
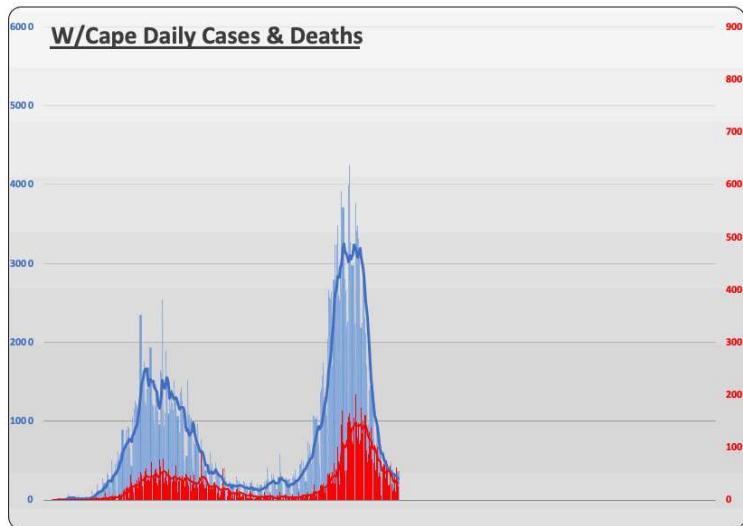
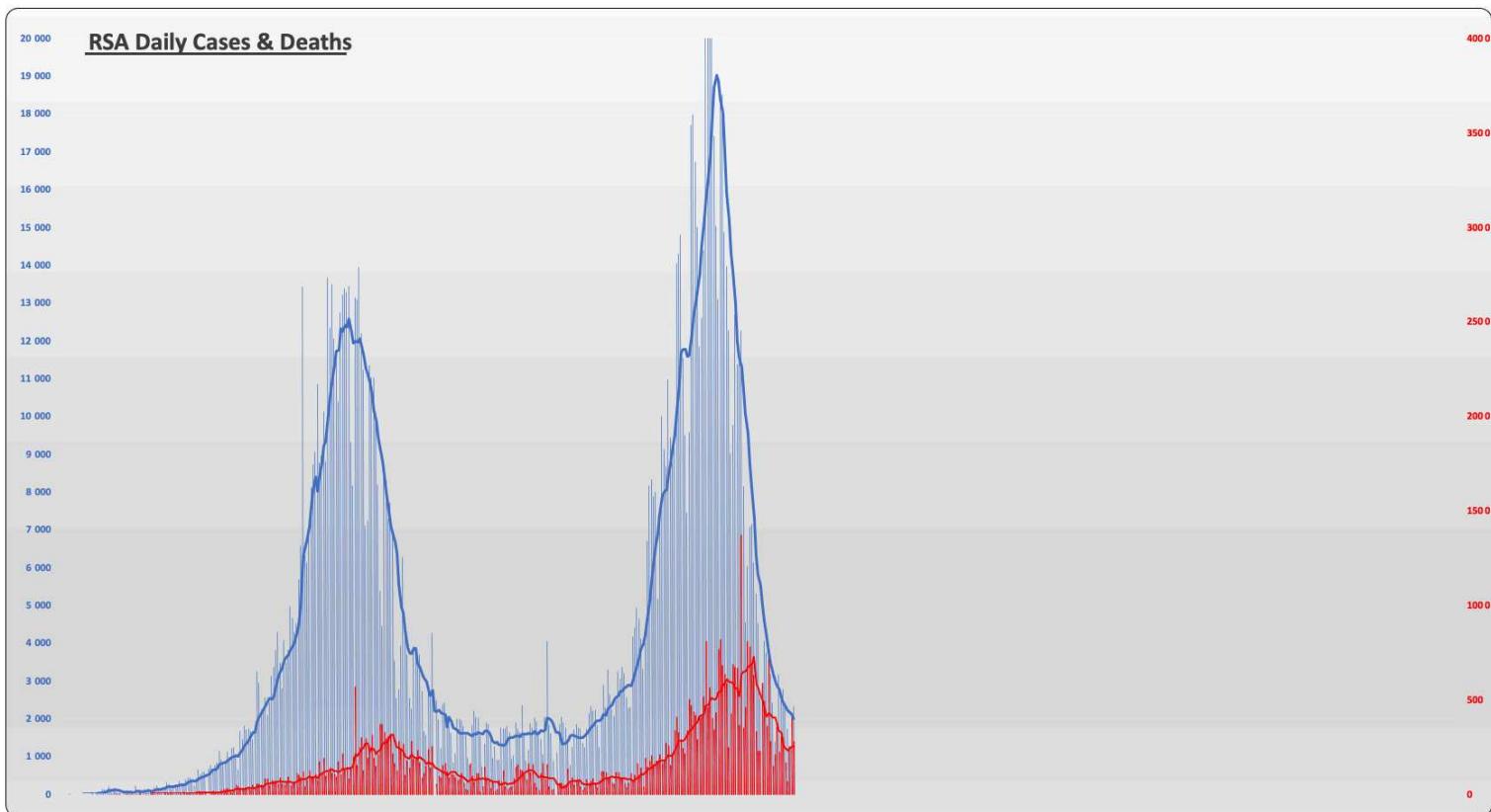


Smaller Provinces: In Hospital per 100k PoP



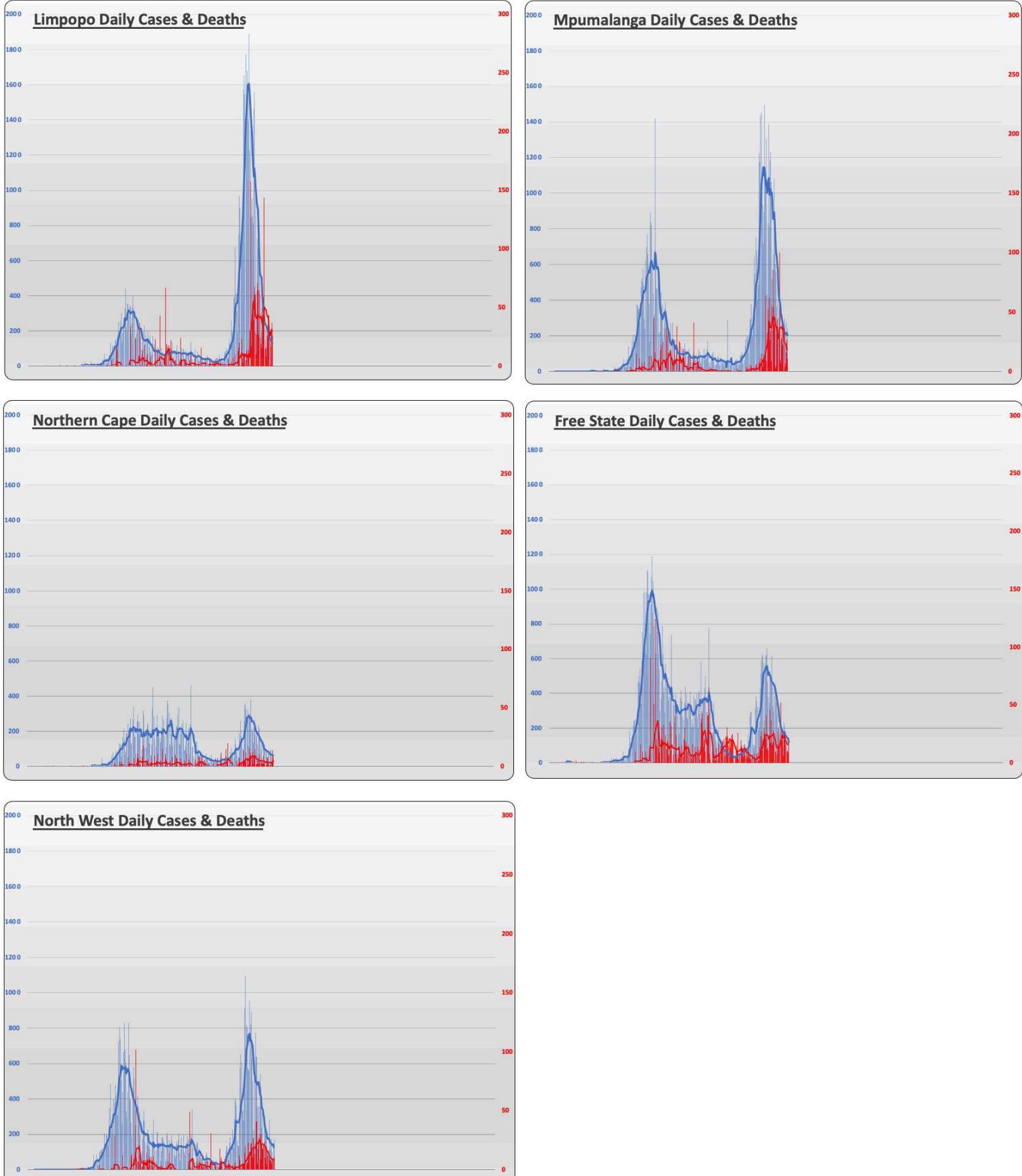
RSA & Major Provinces:

Daily Cases & Deaths (7 Day MA)



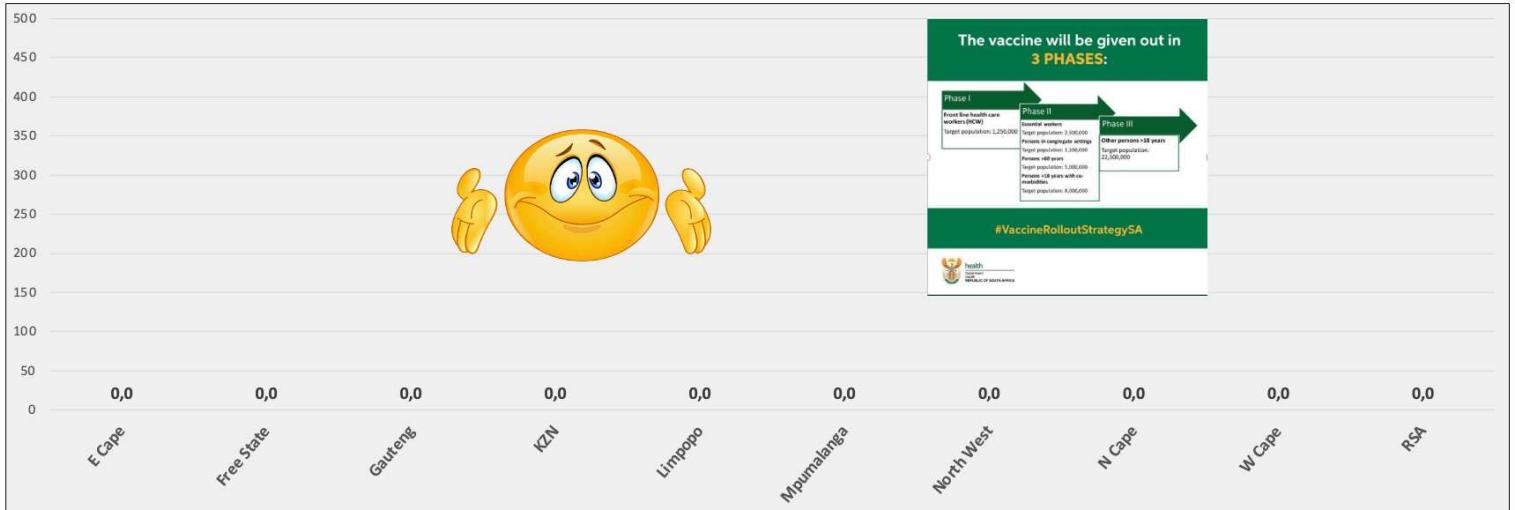
RSA Smaller Provinces:

Daily Cases & Deaths (7 Day MA)



Vaccination Data

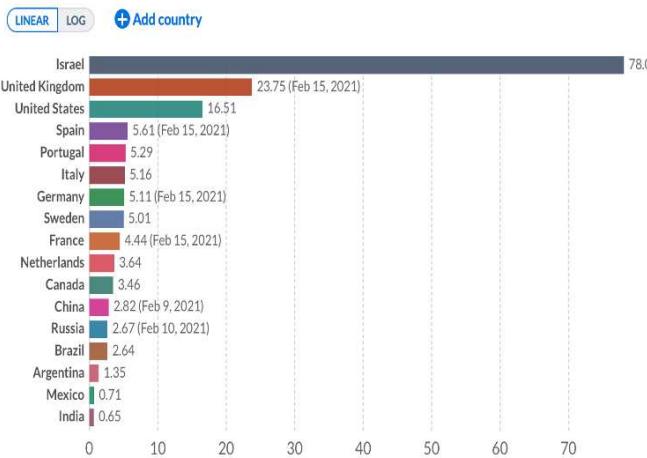
RSA: Vaccinations per 100k PoP :



Selected countries who publish their VAC data :

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

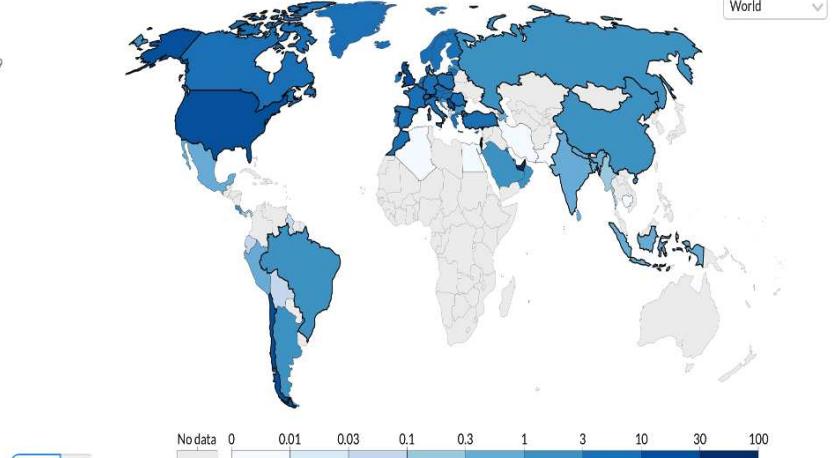
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



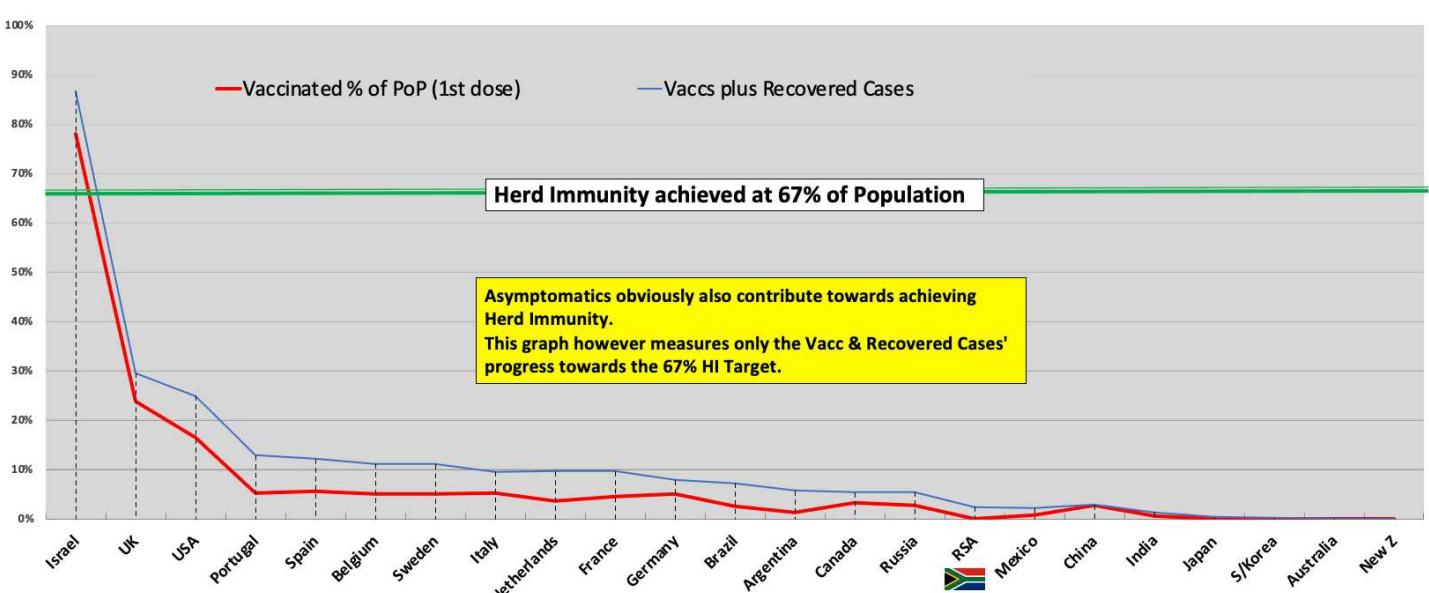
Our World in Data

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....

