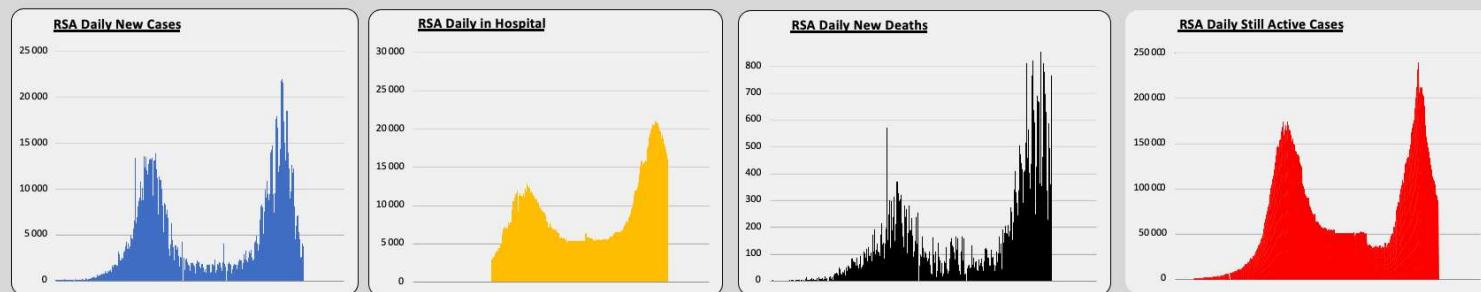
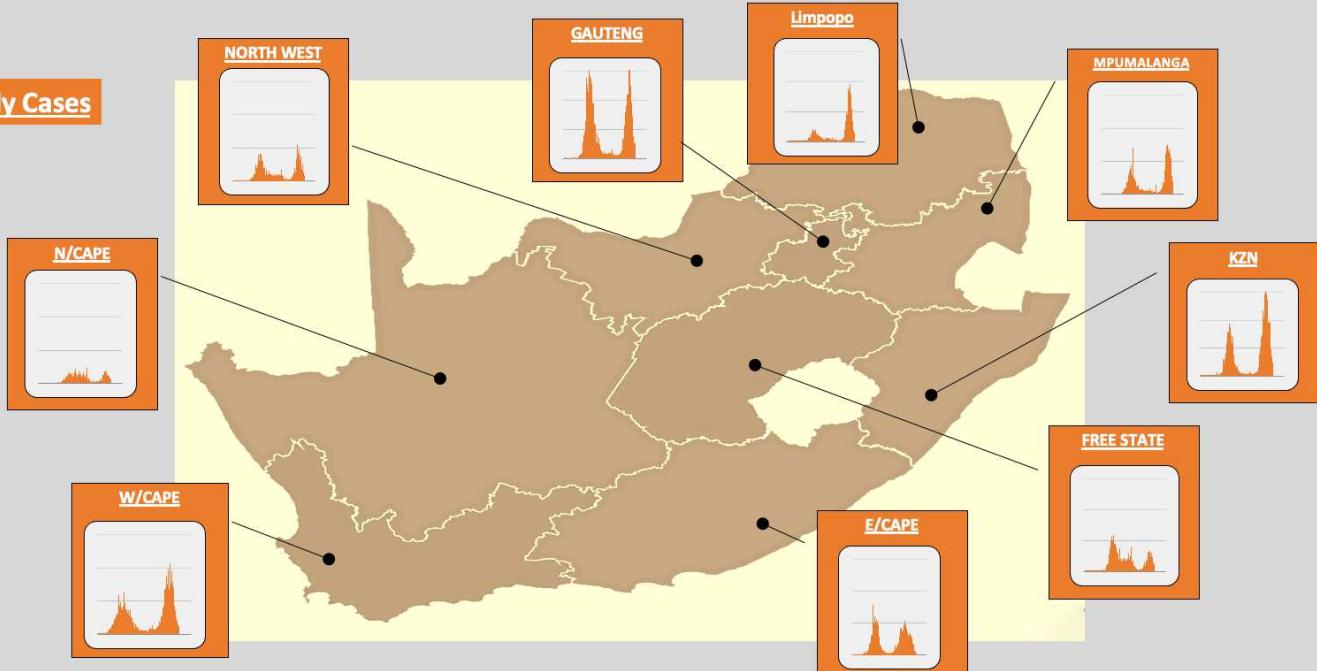


HarryG COVID-19 Dashboard

Cum +Cases	Daily Cases	RSA COVID-19 DASHBOARD			Daily Still in Hospitals	% of Reported Cases who Died (CFR)	Cum Recoveries
1 470 516	3 749	06 February 2021			15298	3,26%	1 335 618 90,8%
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP			% of RSA PoP who have died to date (CMR)		% of RSA PoP Vaccinated & % Vacs + Recovered Cases
86 938	24 794	Cum Deaths			0,081%		Cum Tests Daily Tests
Deaths Age	Avg Deaths	Deaths Min Age	Deaths Max Age	Cases	Deaths	CFR	8 436 569 36 250
62,3	0,2	105		Female : 57,8% 42,2%	51,4% 48,6%	2,59% 3,36%	Daily Positivity Rate: 10,3%
				04-Feb			

Daily Cases

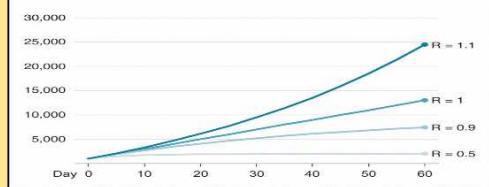


RSA Rt

Prev 2 :	.48
Prev 1 :	.45
Latest :	.41

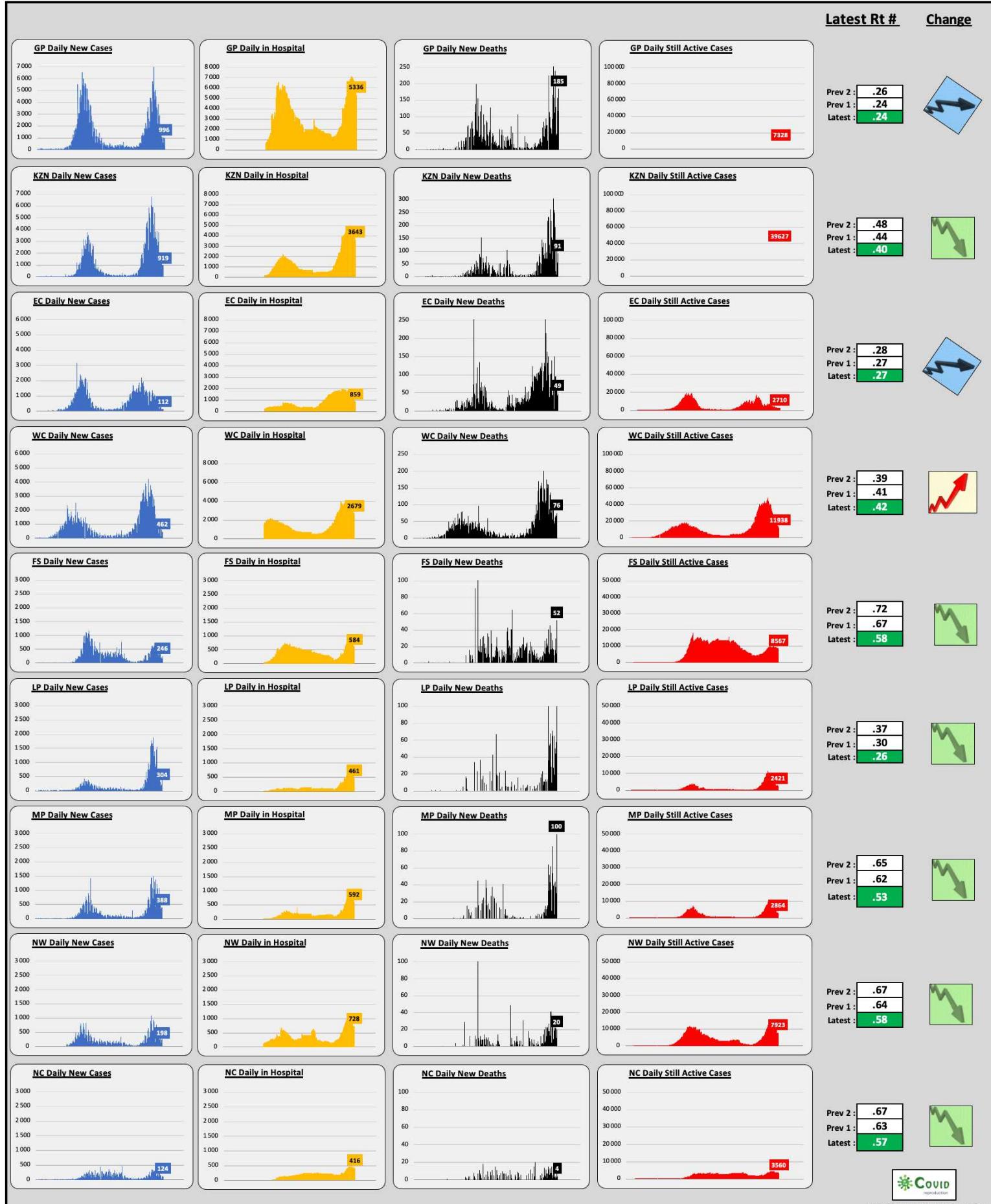
A R_t below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. A R_t above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.

How 1,000 cases would increase under different infection rates

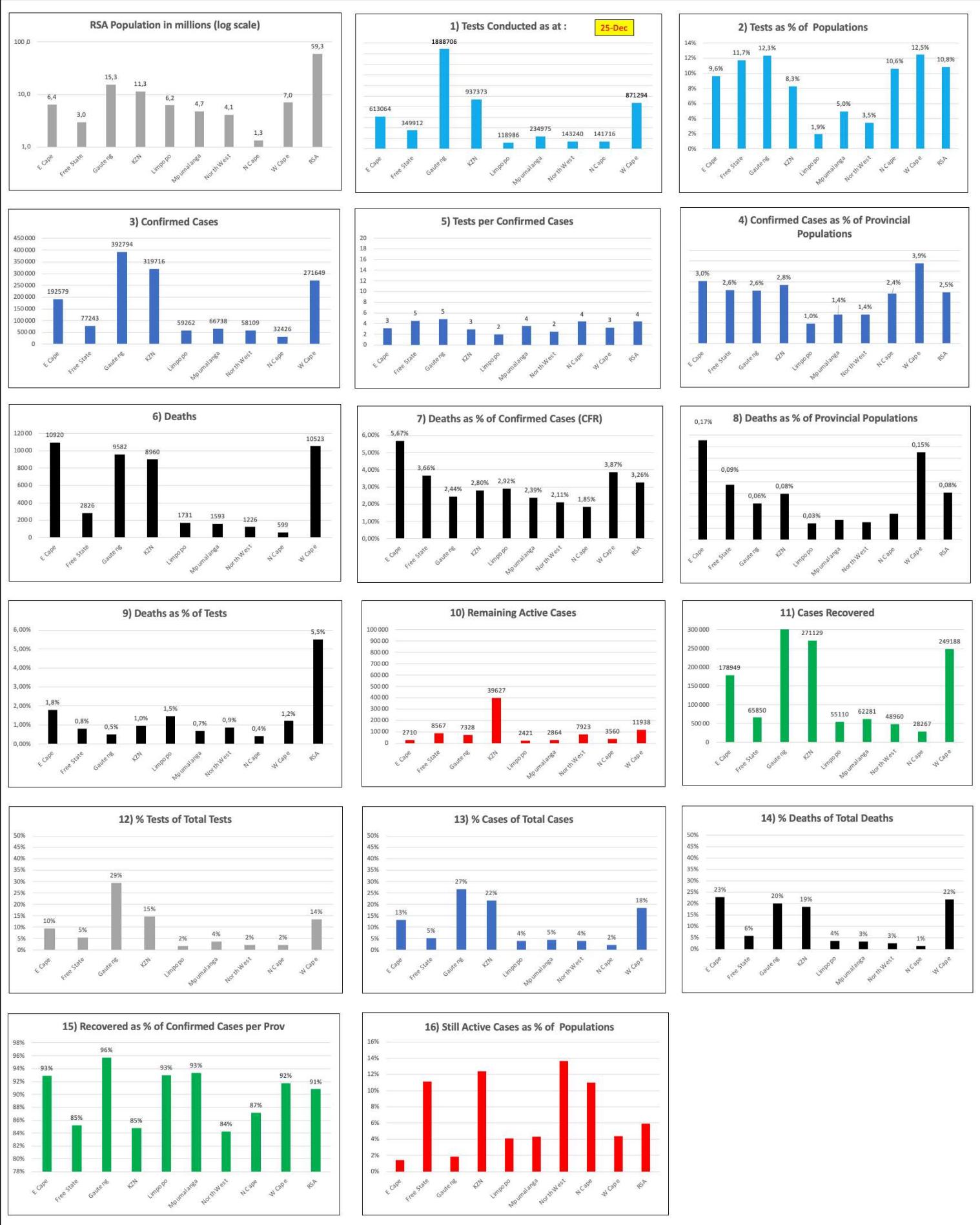


RSA Provinces detailed daily Data and Trends

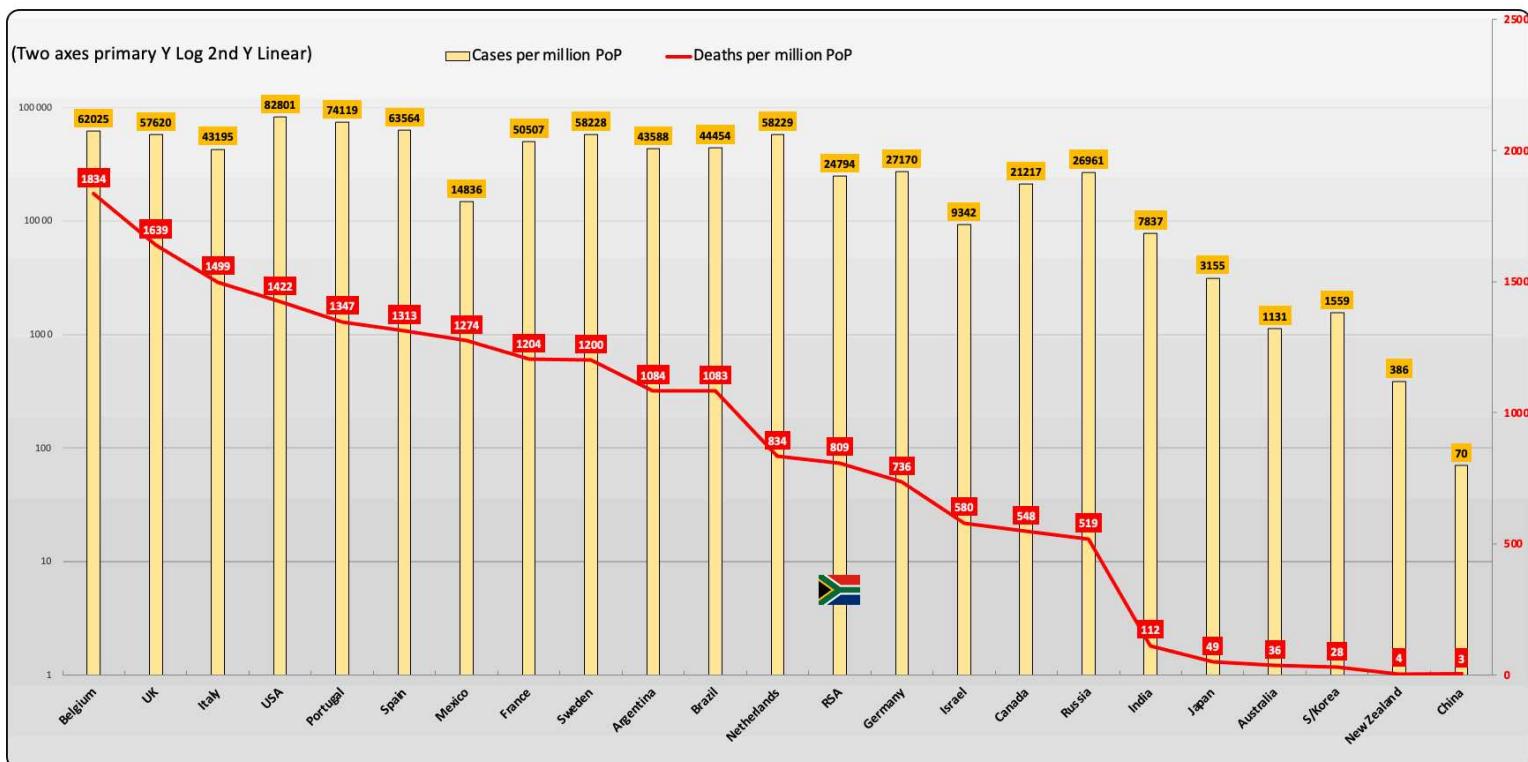
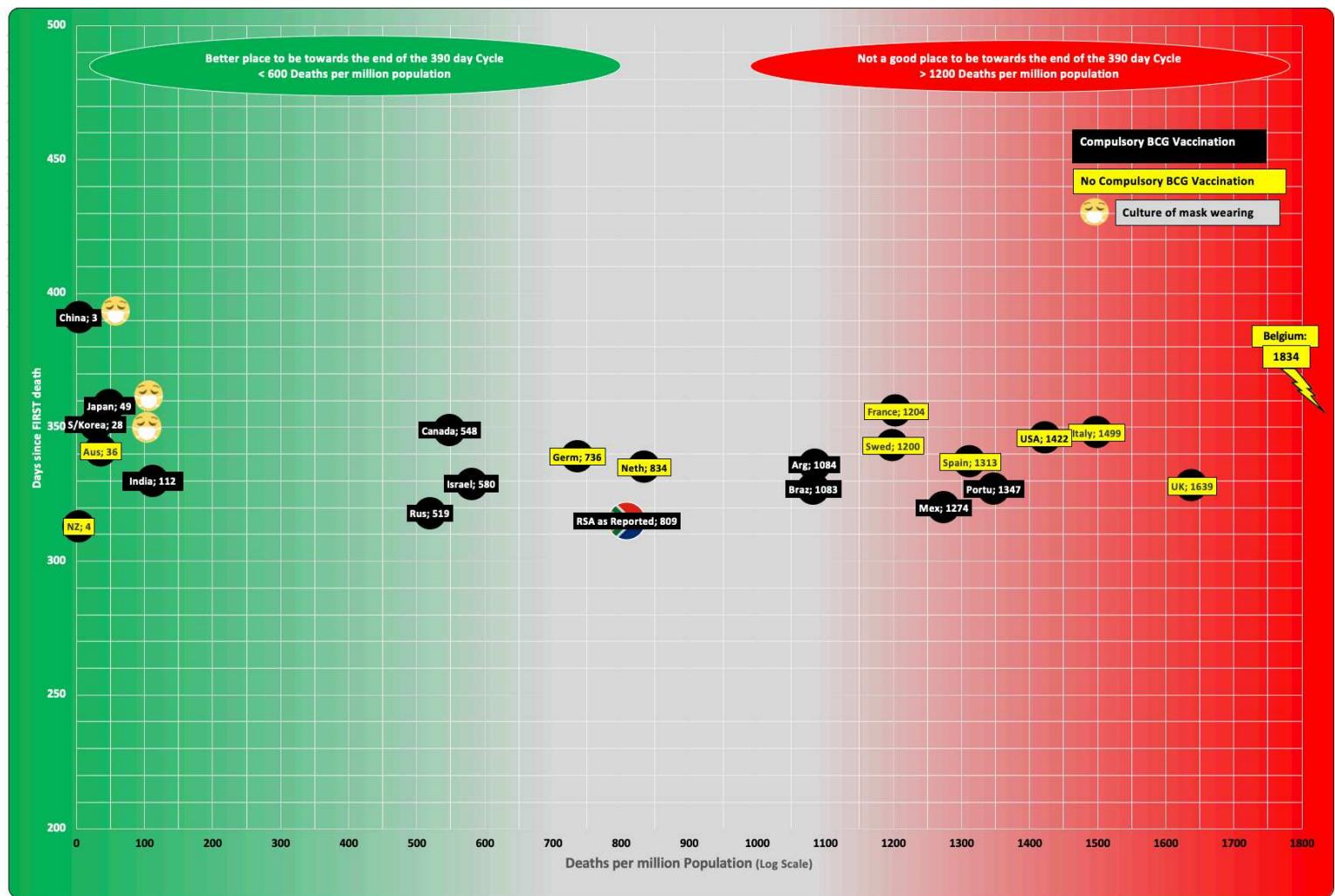
How old is the Data? : Cases 2-5 days, Hospitalisation 1-3 days, Deaths 4-10 days, Still Active Cases 4-10 days, Rt #'s 3-10 days



RSA Covid Stats: National & Provincial Data & Ratios



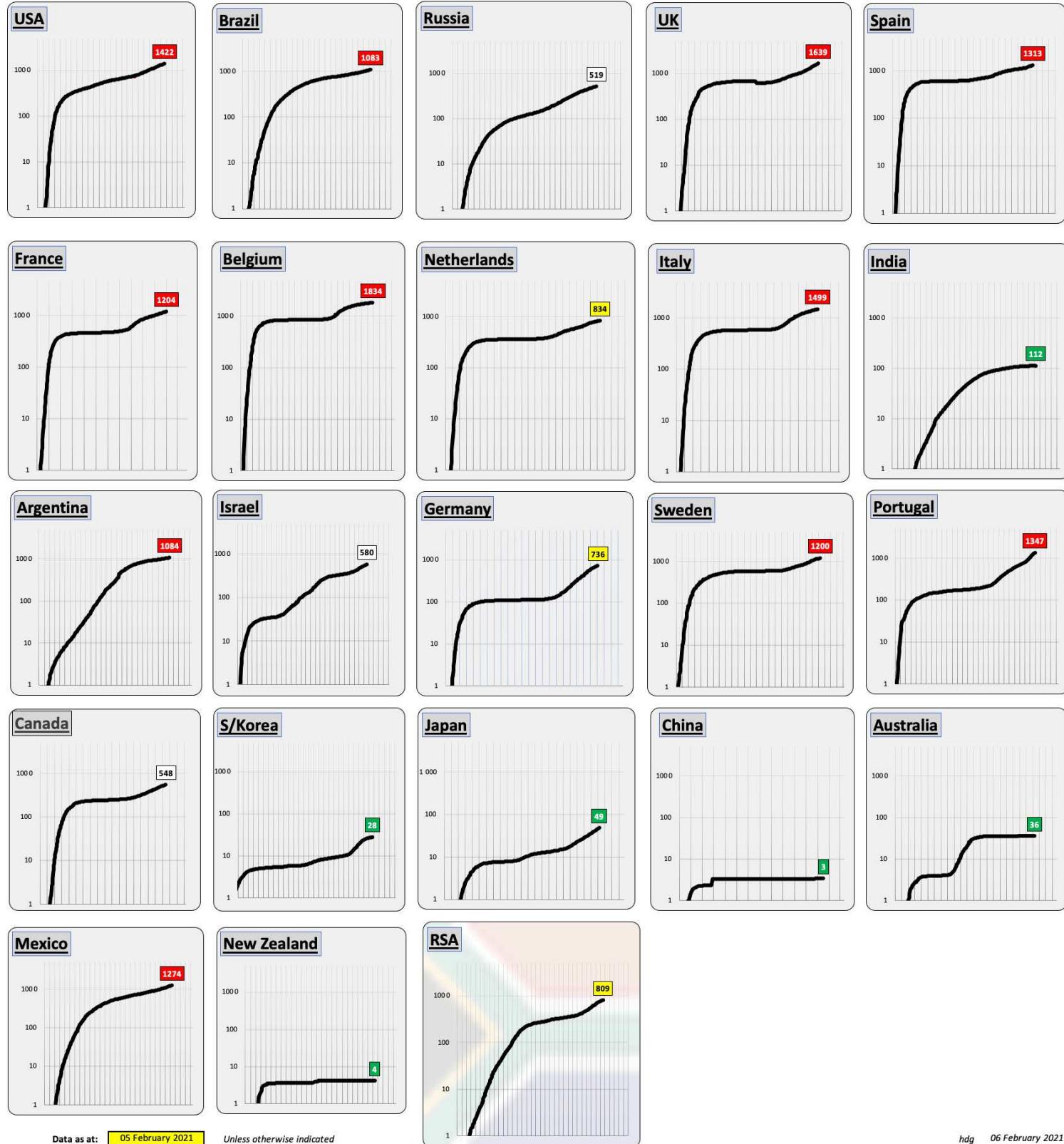
Selected Countries' Reported Cases & Deaths per mill PoP



Cum Deaths per mill PoP for selected countries

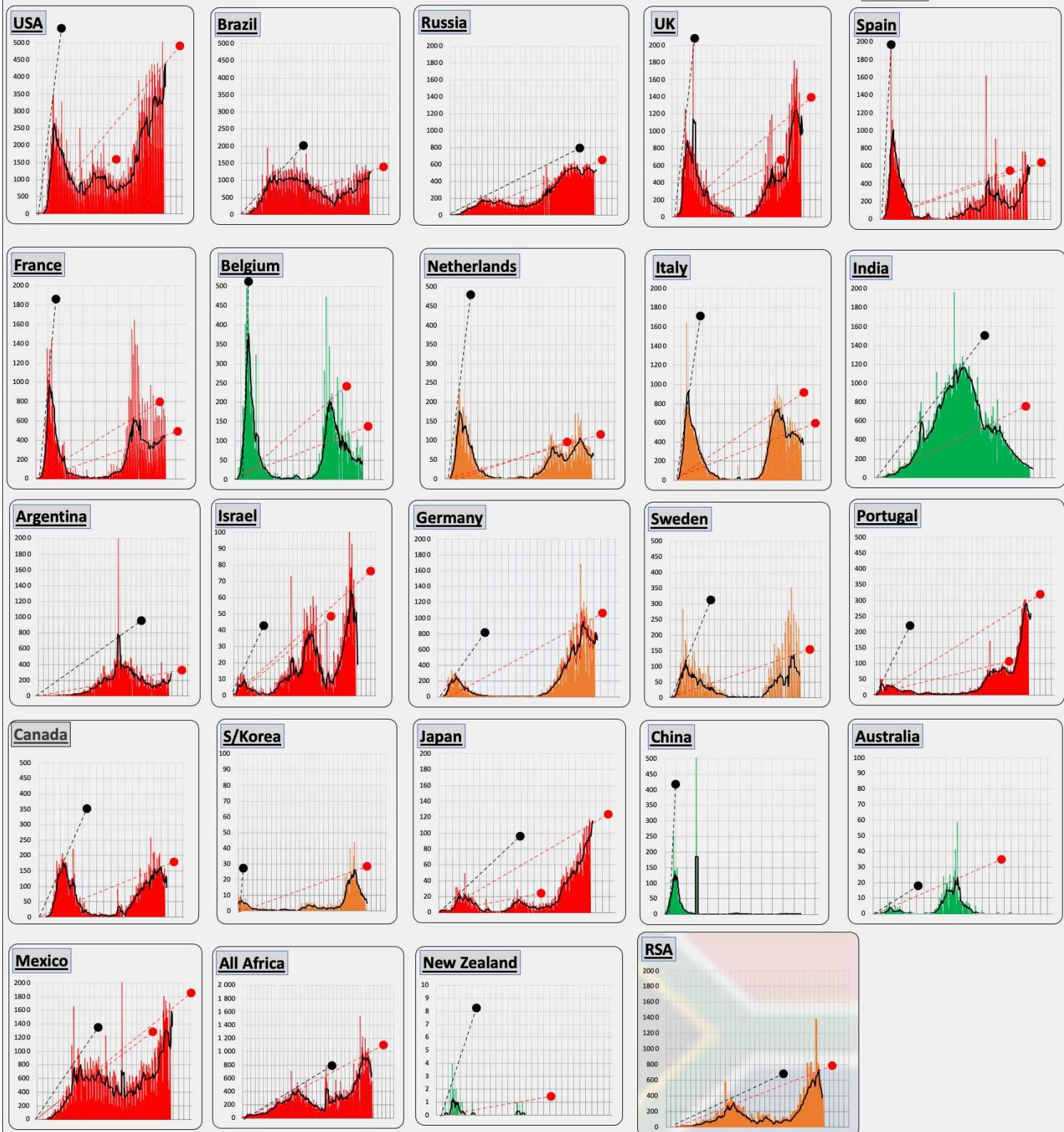
All on same Log Scale (compare Apples with Apples)

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



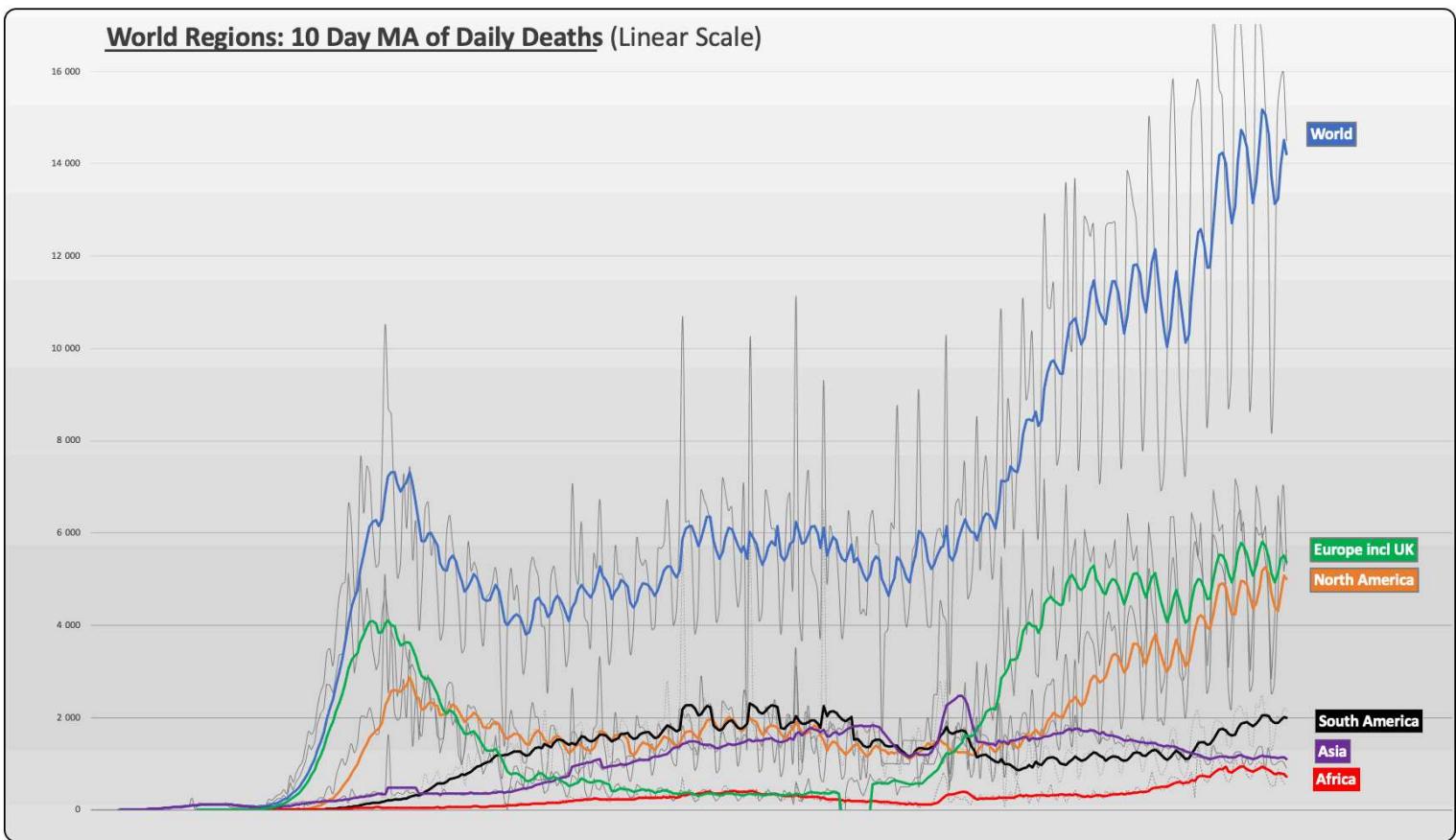
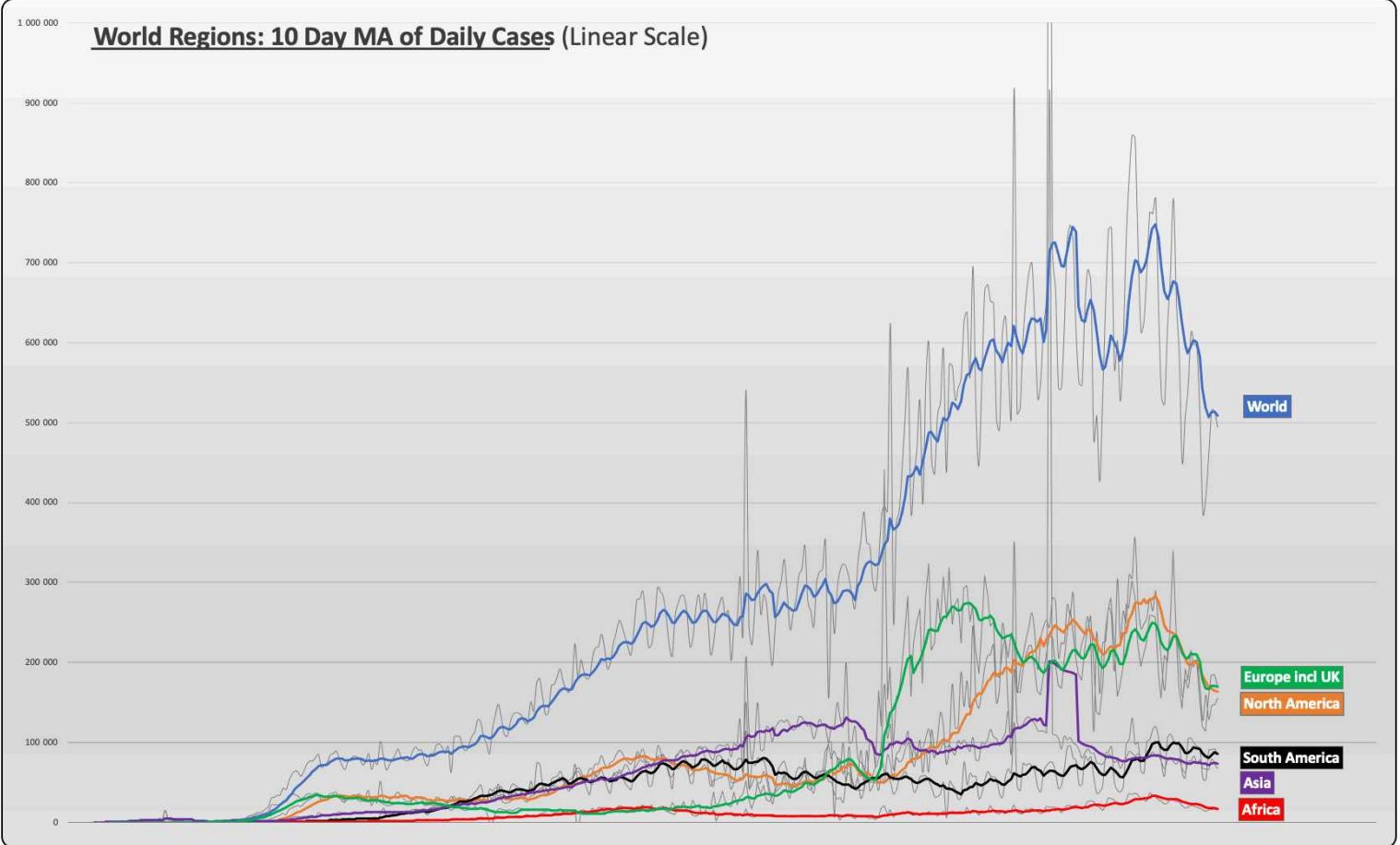
**Daily Deaths Curves plus 7 Day MA
also Rate of Onset/Next Wave "Inclinometers"**

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



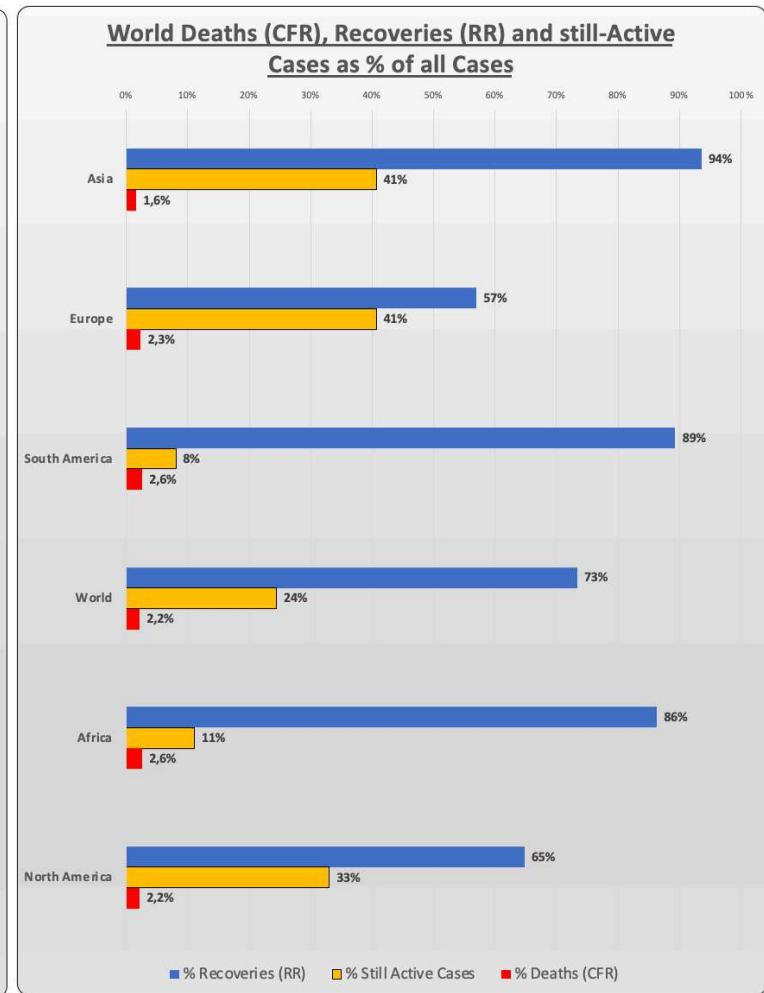
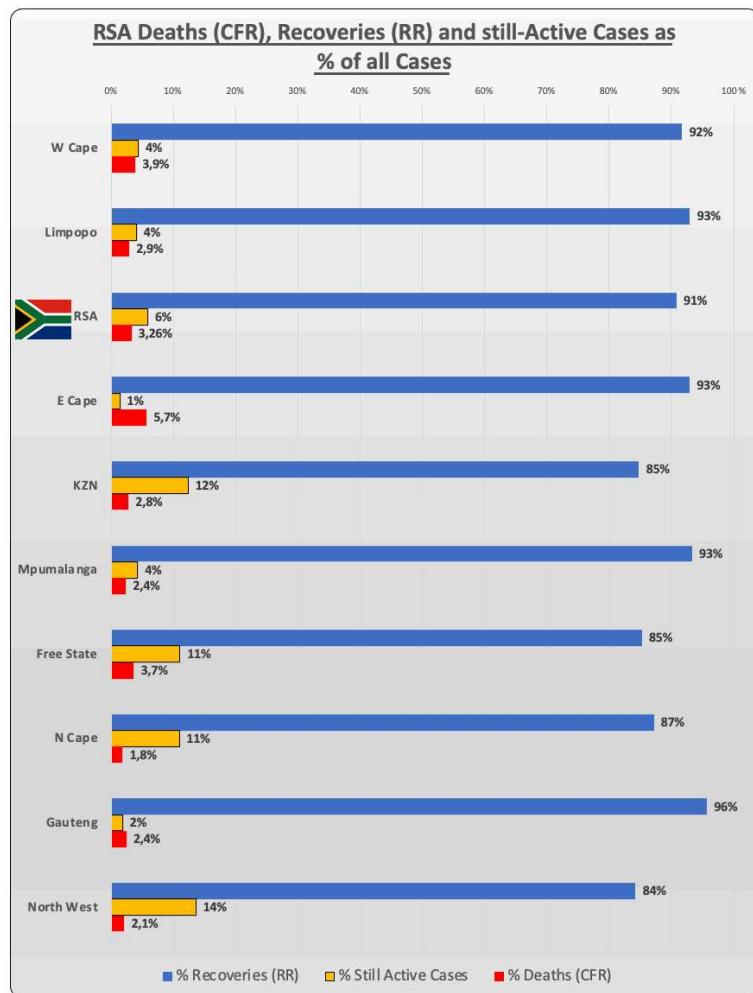
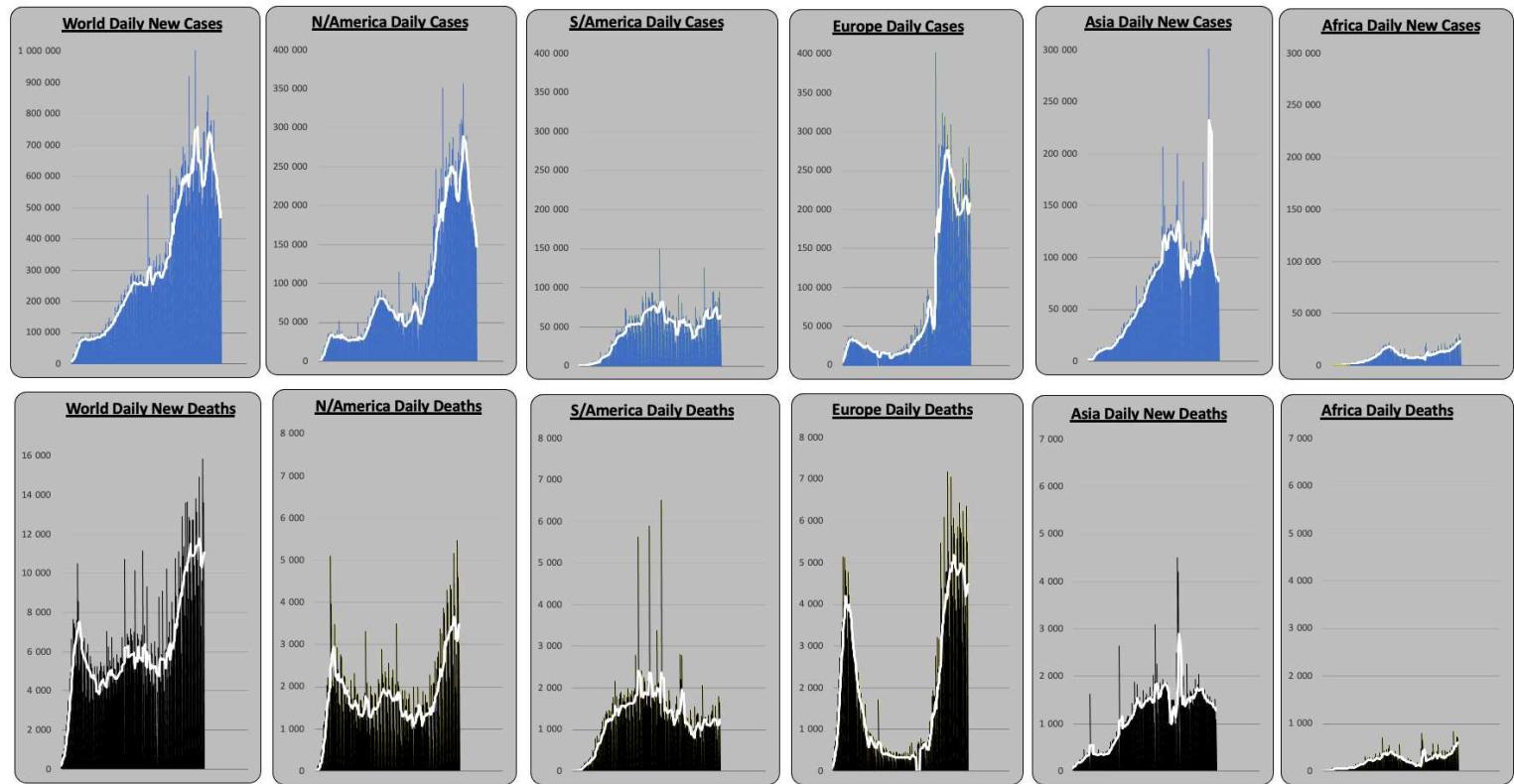
10 Day Moving Average of Daily Deaths & Cases by World Region

Page 3.0



World Data: Dailies & 7 Day MA's

Page 3.1



250 000

2018 Avg DAILY WORLD Mortalities v COVID: Daily Deaths (Linear Scales)

Avg Daily Covid Deaths 2020 to date: **5905**
 Highest Daily Covid Deaths 2020 to date: **17654**
 Latest Daily Covid Deaths 2020 to date: **14510**

Red line =
Reported Covid
Deaths.

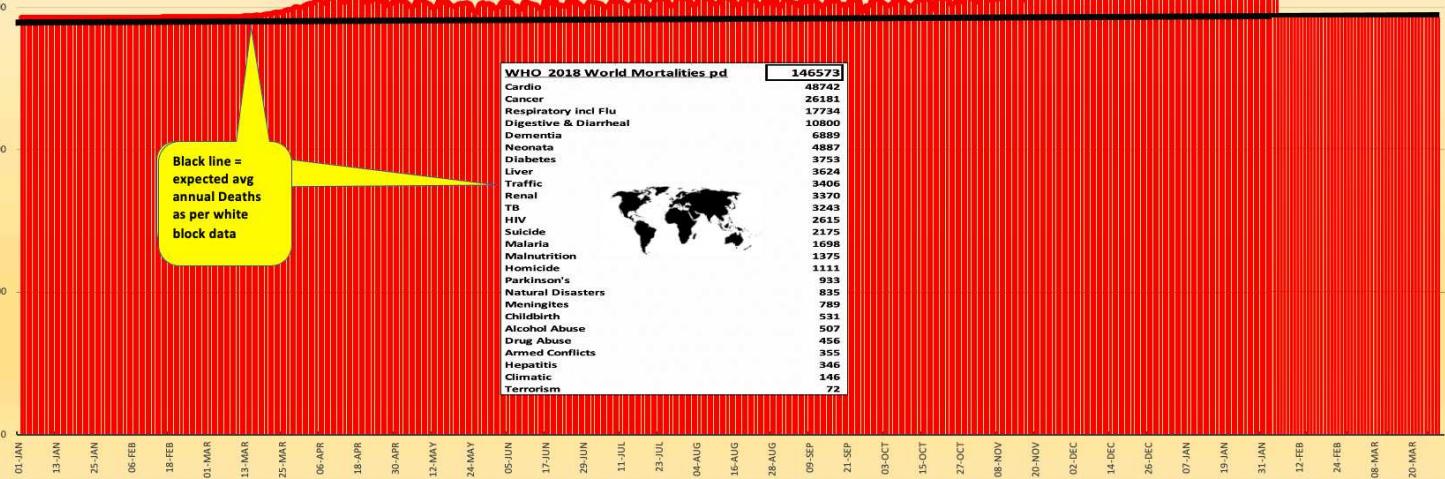
200 000

150 000

100 000

50 000

0



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.

500 000

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

Avg Daily Covid Deaths since 1st Death 2020 to date: **103**
 Highest Daily Covid Deaths 2020 to date: **1374**
 Latest Daily Covid Deaths 2020 to date: **405**

Excess Deaths
at
30 Jan

450 000

400 000

350 000

300 000

250 000

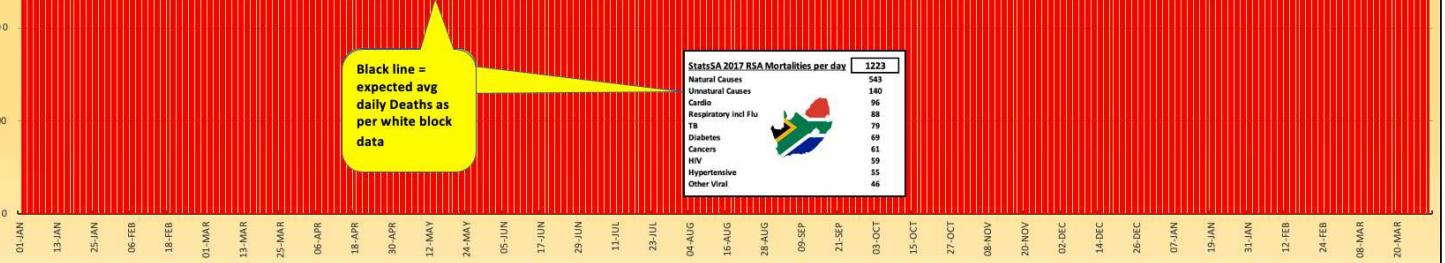
200 000

150 000

100 000

50 000

0

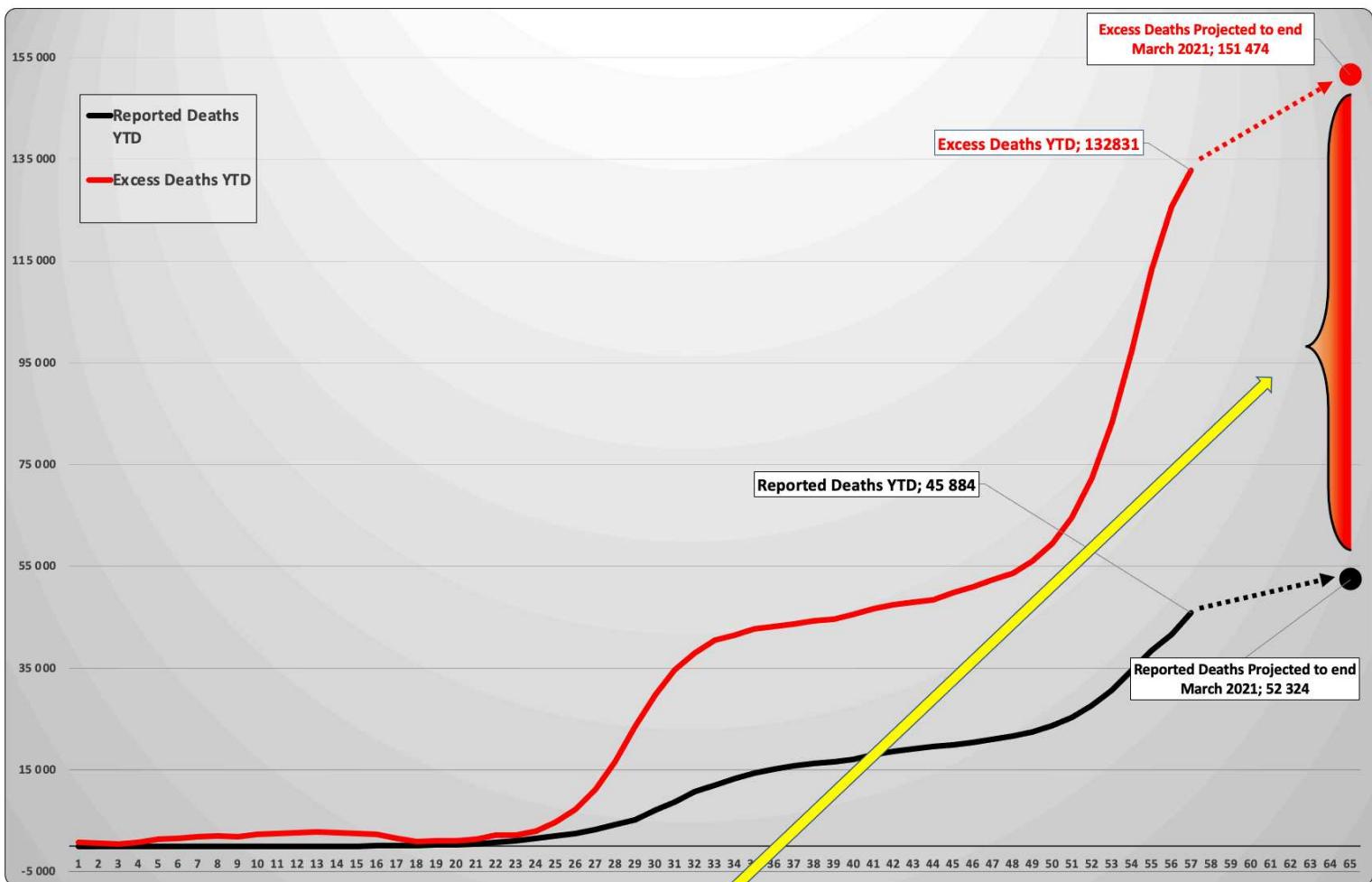


Covid Deaths: Reported and Excess Deaths

Page 3.3

Trends & Projections for end March 2021

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

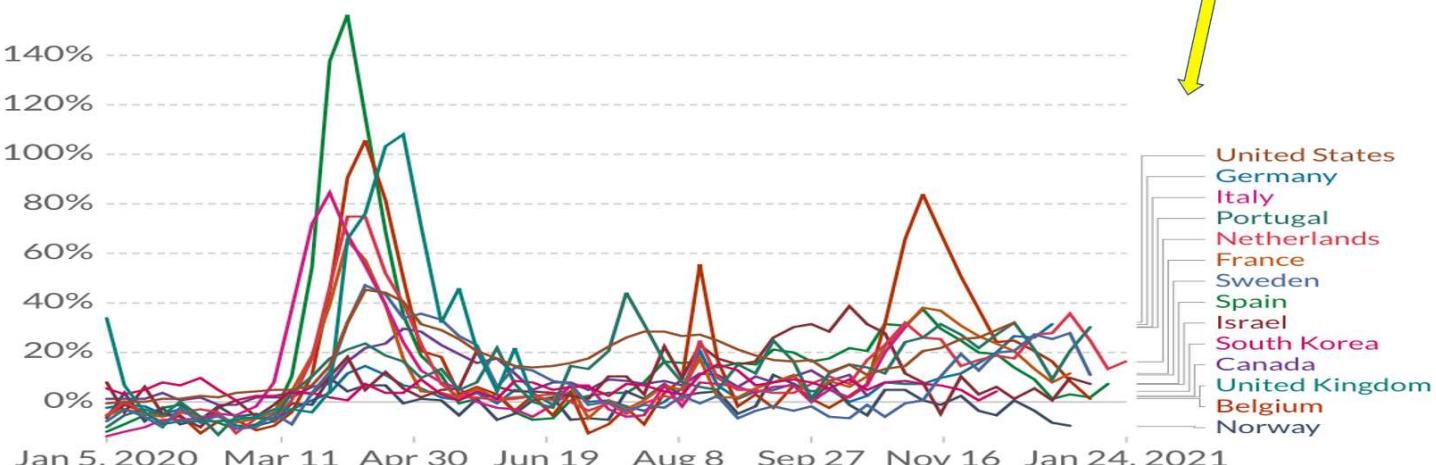


Excess mortality during COVID-19: Deaths from all causes compared to previous years, all ages

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.

Our World in Data

+ Add country



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

CC BY

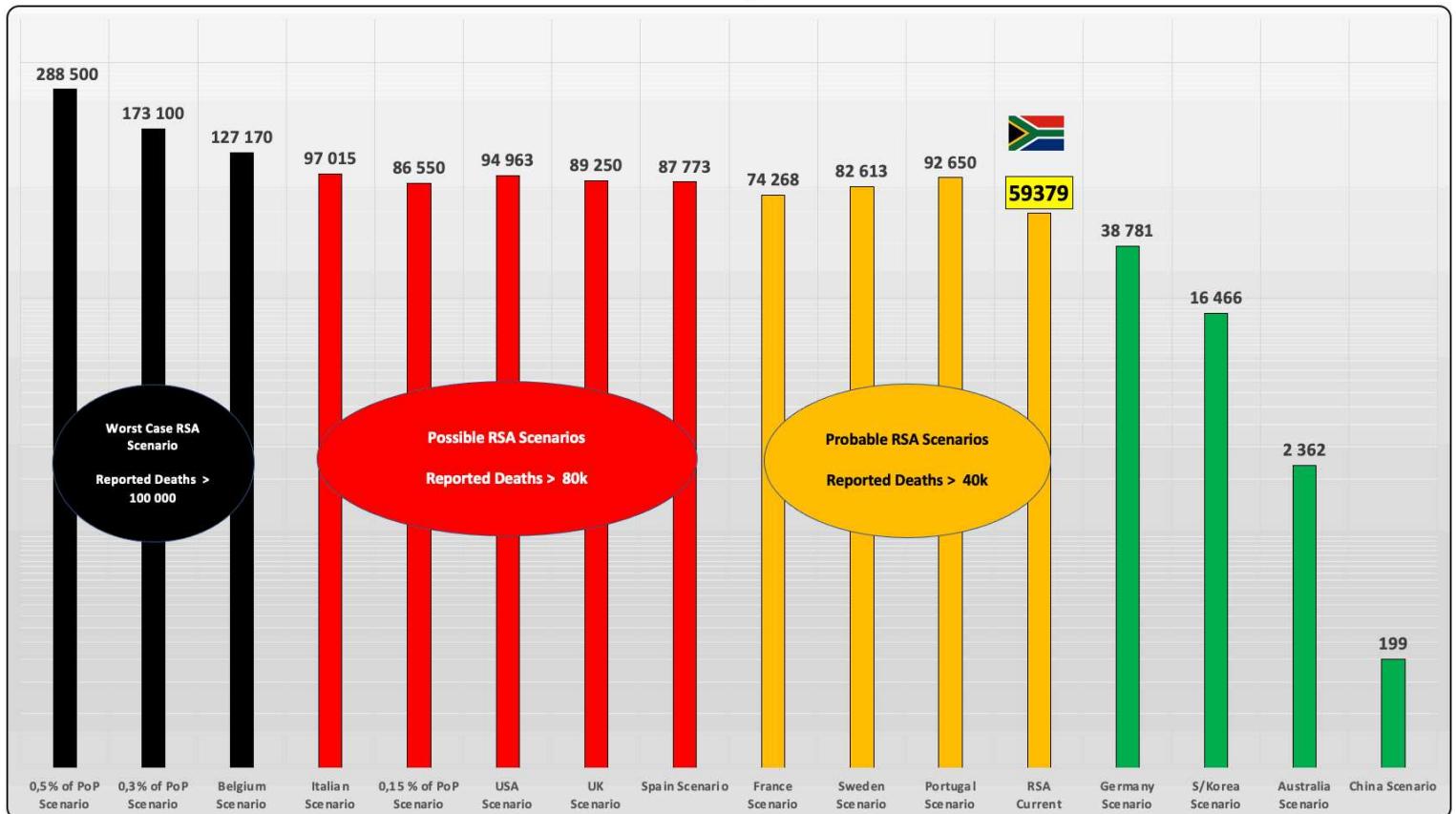
Data as at: 23 January 2021

Unless otherwise indicated

hdg 06 February 2021

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

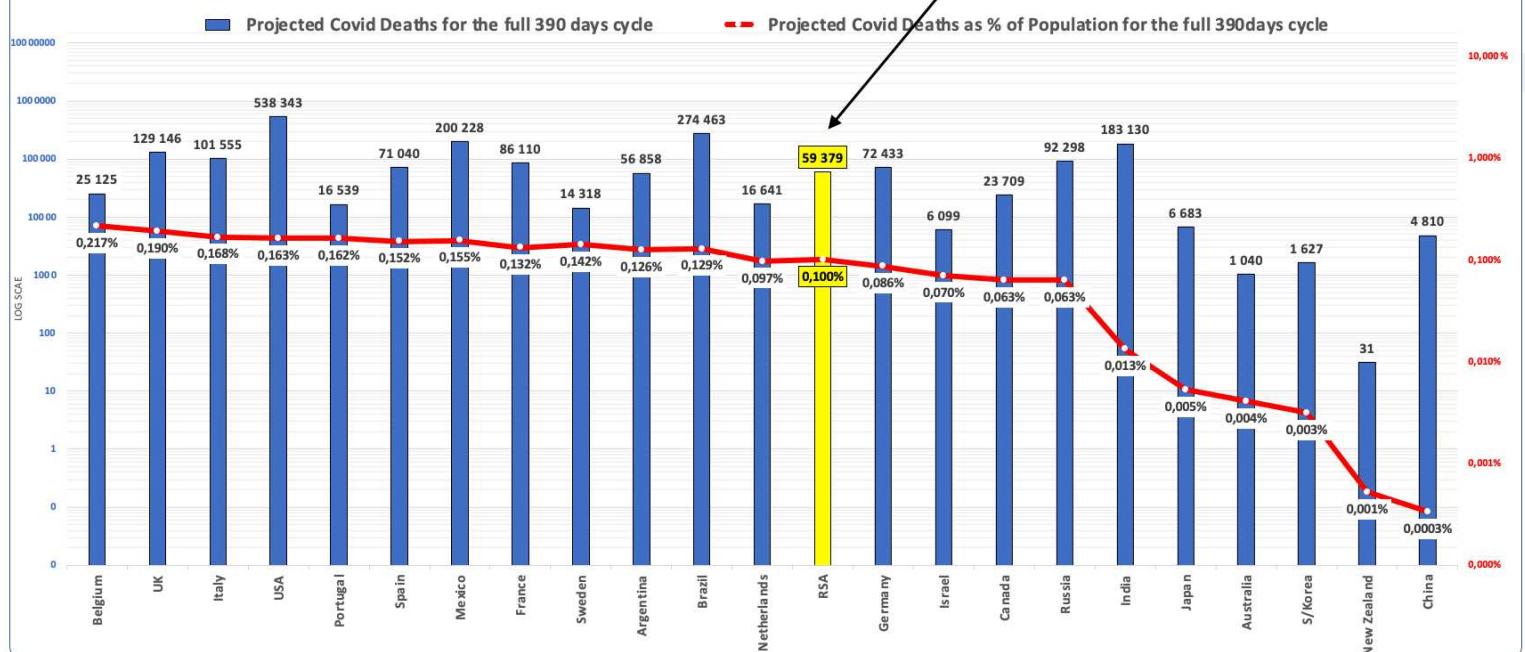
15 Scenarios and 1 Projection (Log Scale)

**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)



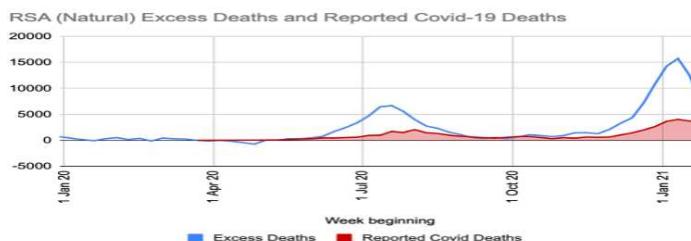
Note: Above Mortality %'s are overall projected mortality of the populations (PMR), NOT deaths of only those infected (CFR).

RSA Excess Deaths as per SA Medical Research Council

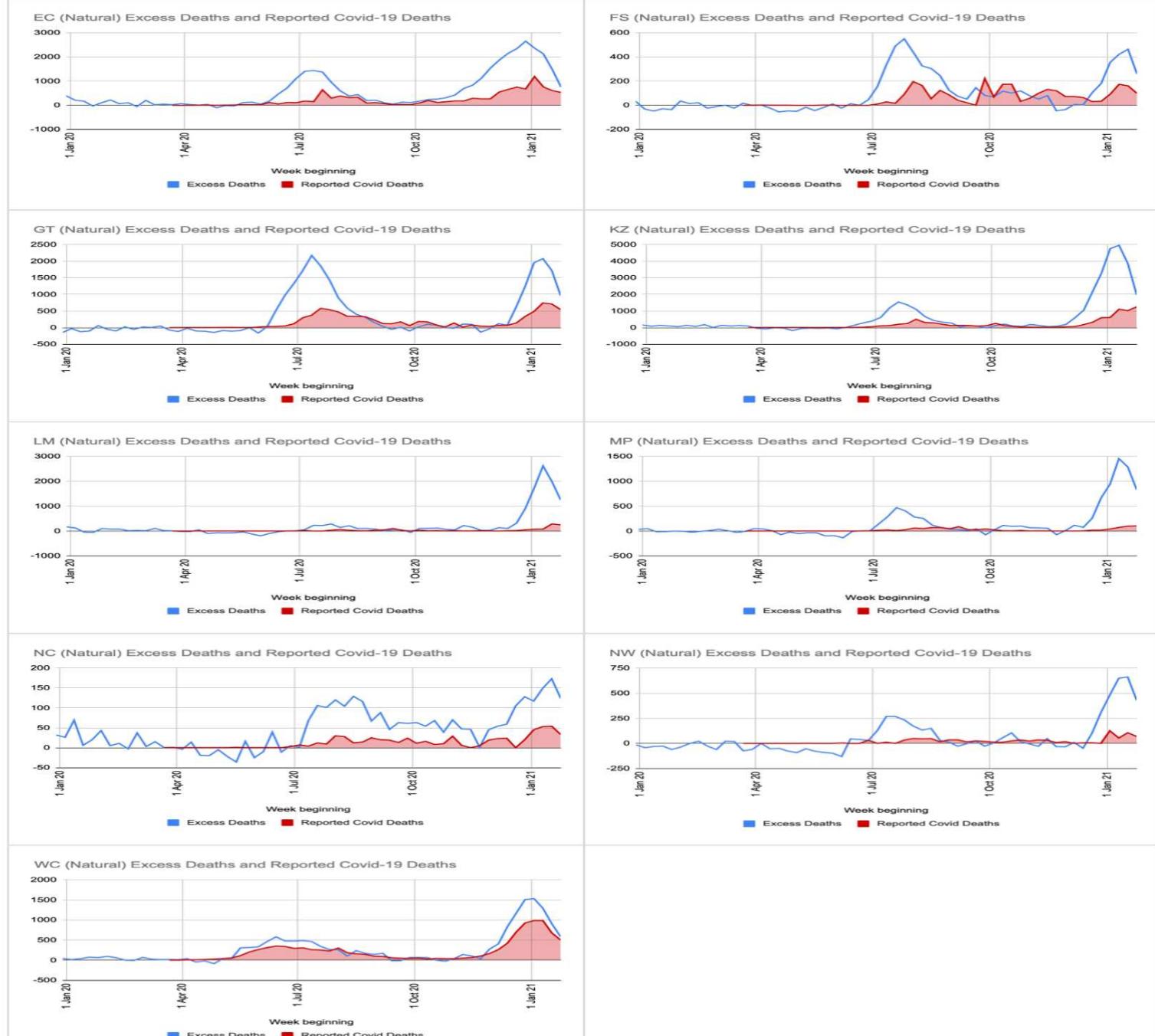
Data as at:

30 January 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).

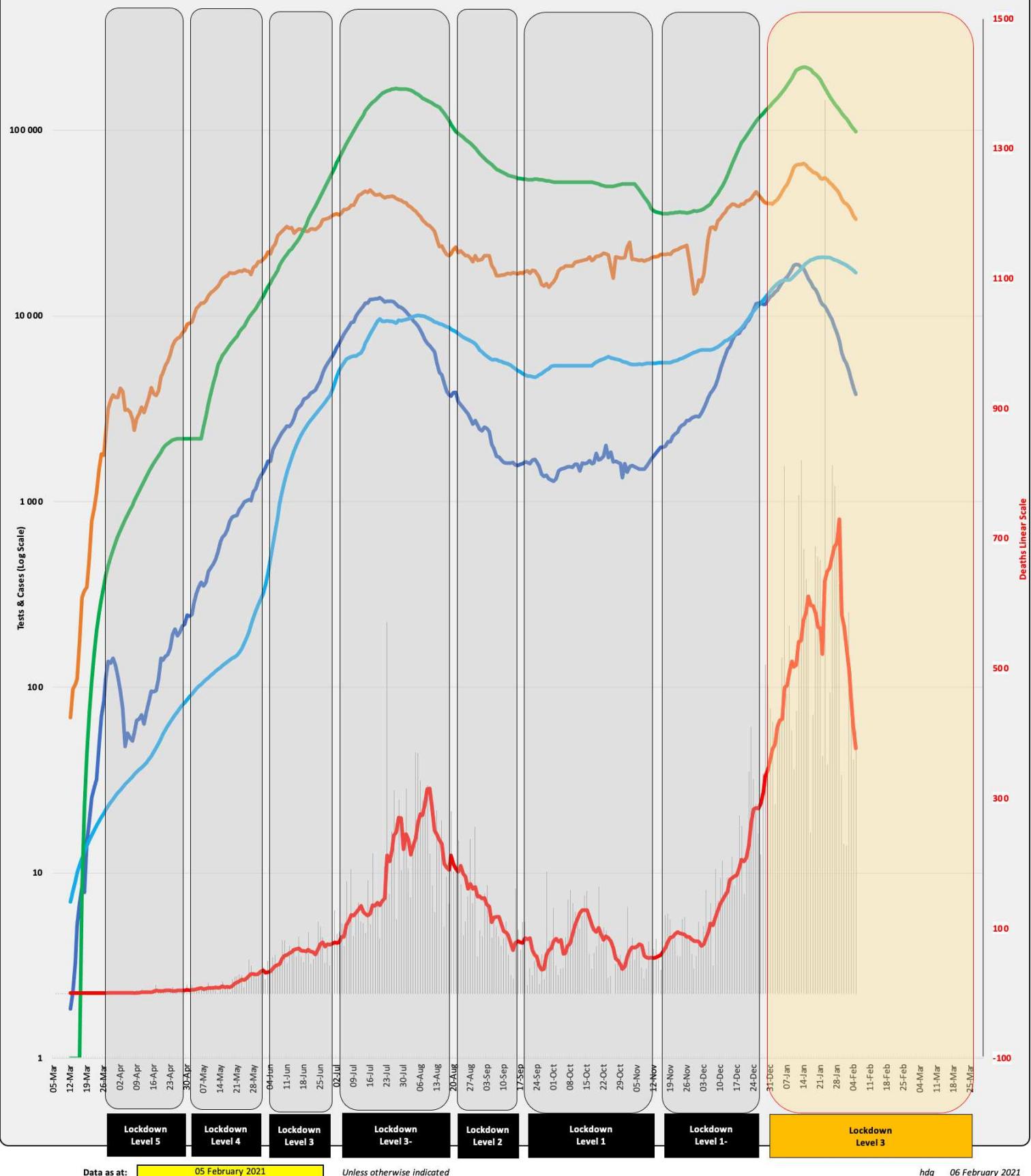
Data as at:

Latest Available

hdg 06 February 2021

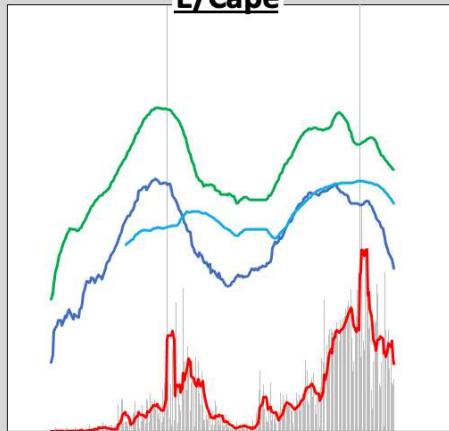
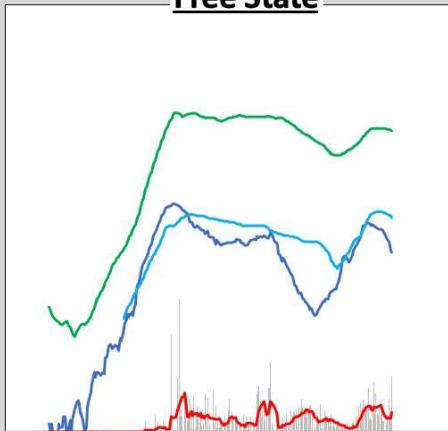
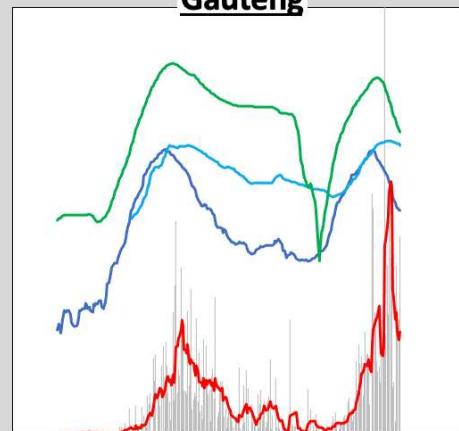
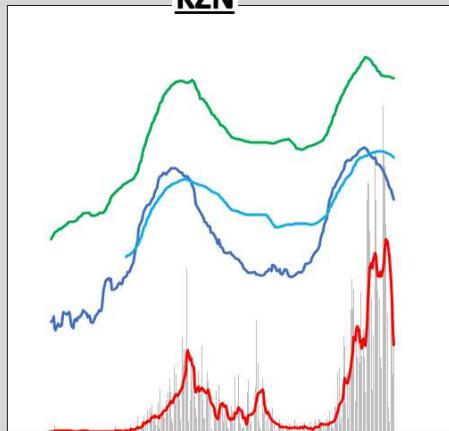
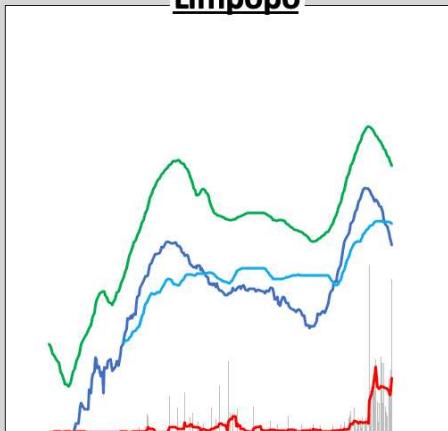
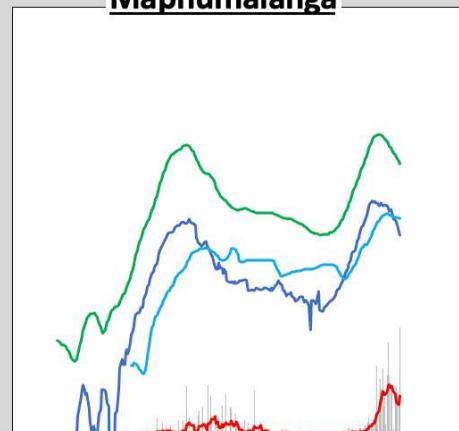
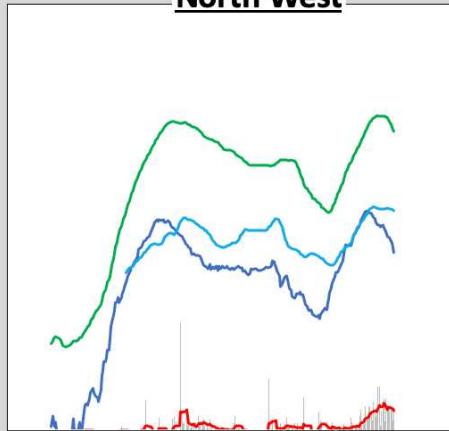
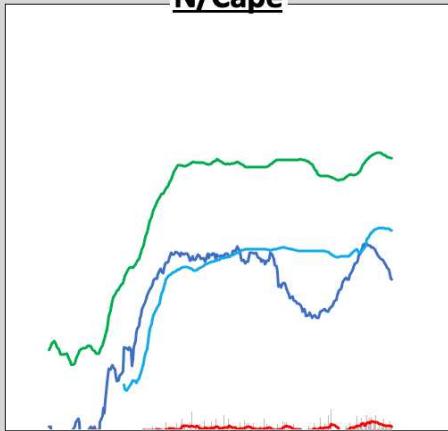
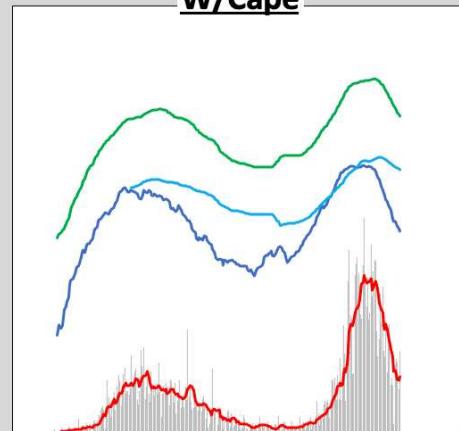
RSA Daily Testing v Daily Cases v Daily Deaths 7 Day MA

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

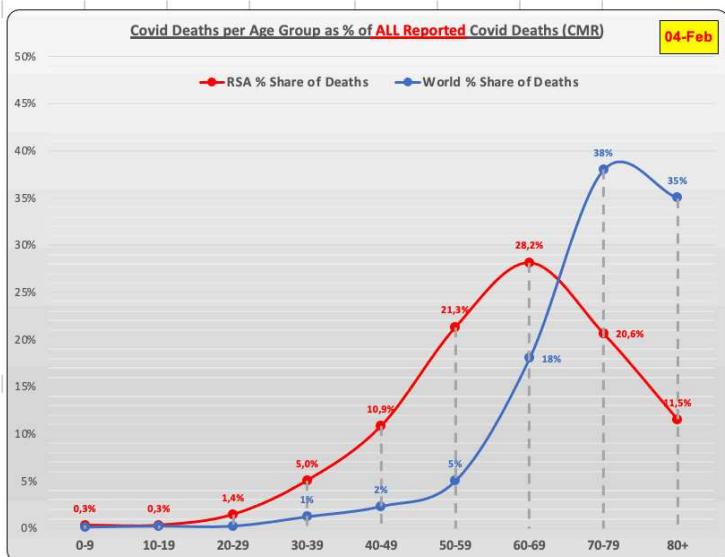
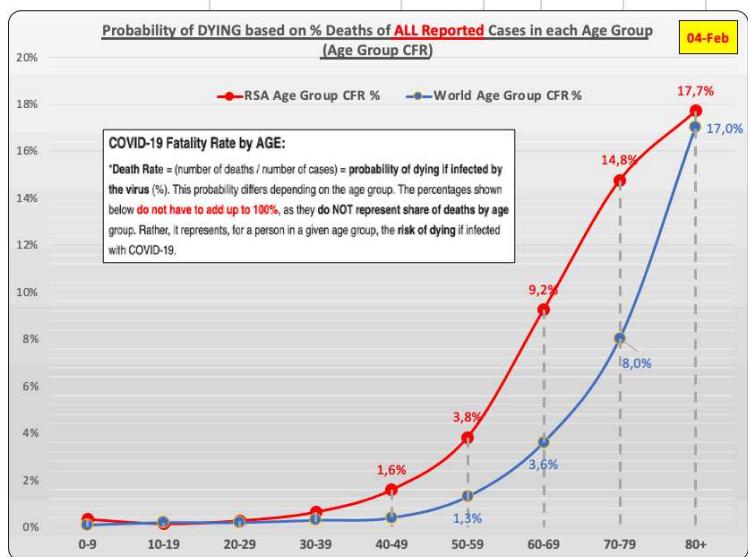
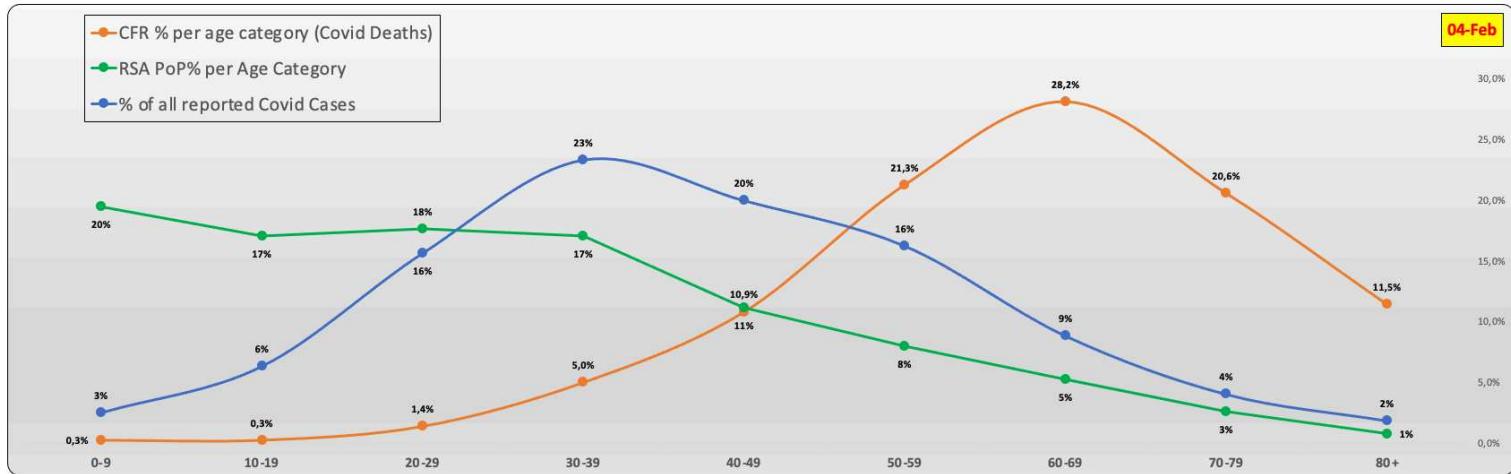


RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)

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

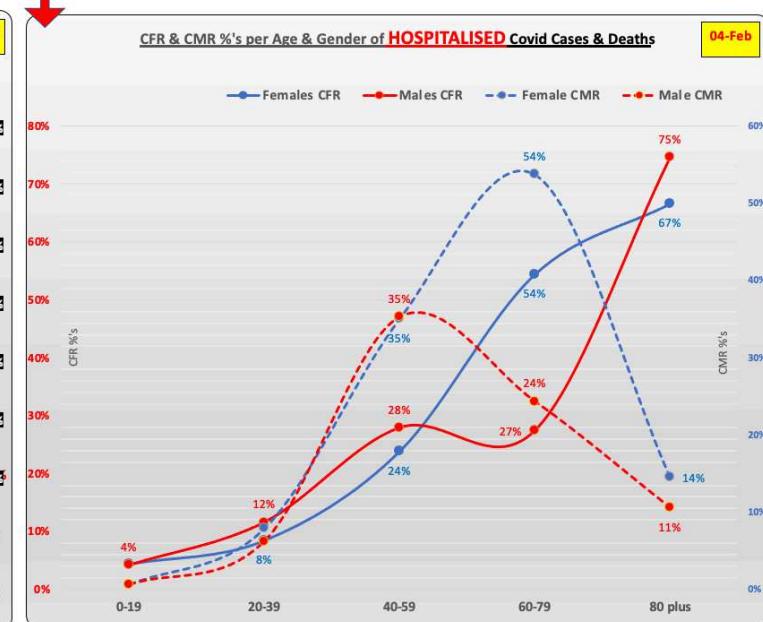
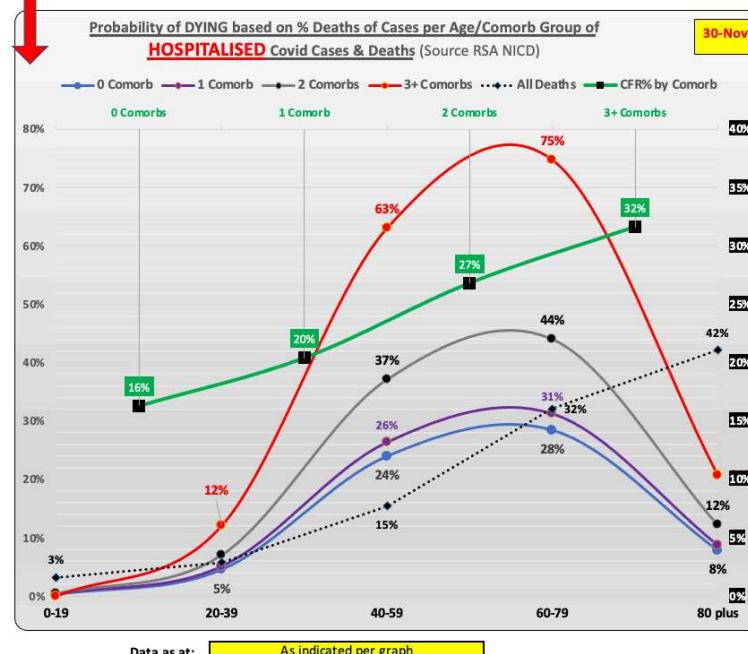
E/Cape**Free State****Gauteng****KZN****Limpopo****Maphumalanga****North West****N/Cape****W/Cape**

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.

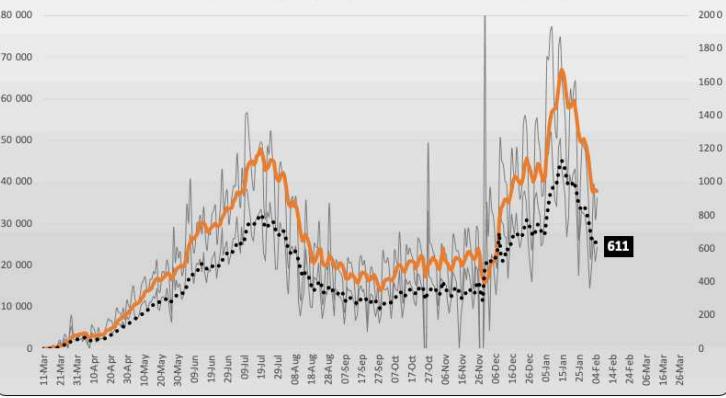


RSA Key Ratios & Comparators

Page 5.4

RSA: Daily Tests per million PoP

— 10 per. Mov. Avg. (Daily Tests) ••••• 10 per. Mov. Avg. (TpmpoP)



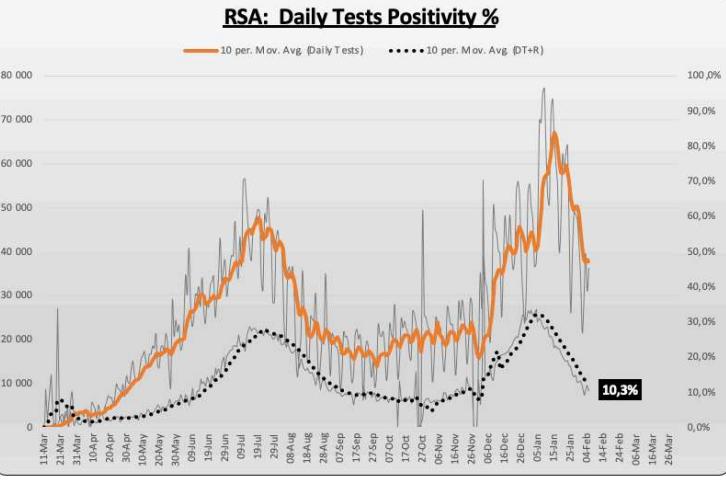
RSA: Daily Tests per +Case

— Daily Tests ••••• Tests per Case — 10 per. Mov. Avg. (Daily Tests)



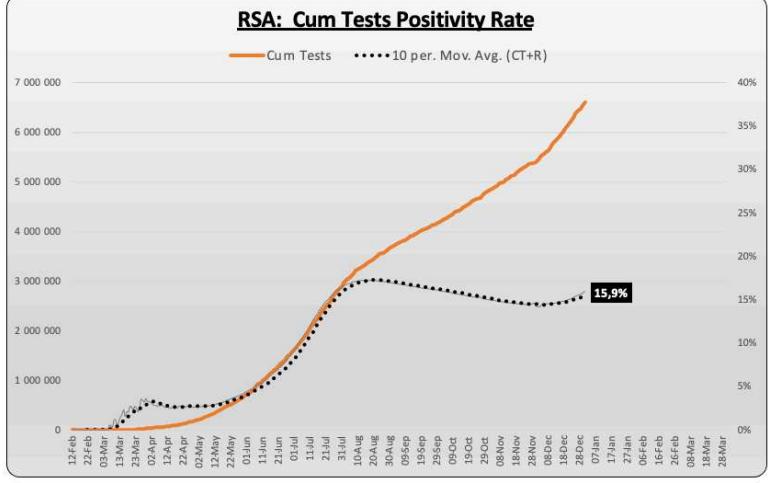
RSA: Daily Tests Positivity %

— 10 per. Mov. Avg. (Daily Tests) ••••• 10 per. Mov. Avg. (Dt+R)

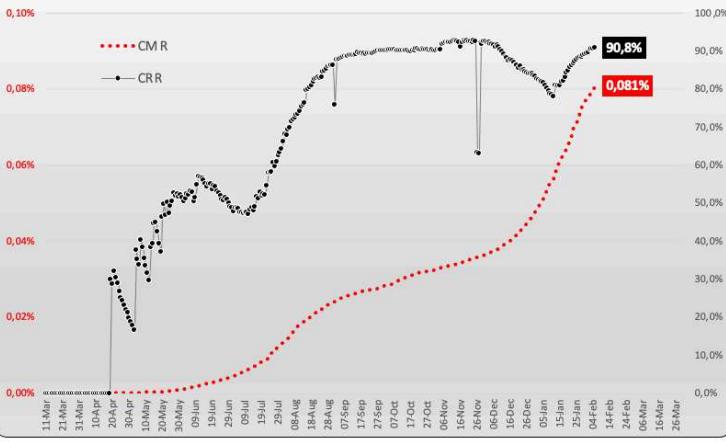


RSA: Cum Tests Positivity Rate

— Cum Tests ••••• 10 per. Mov. Avg. (CT+R)

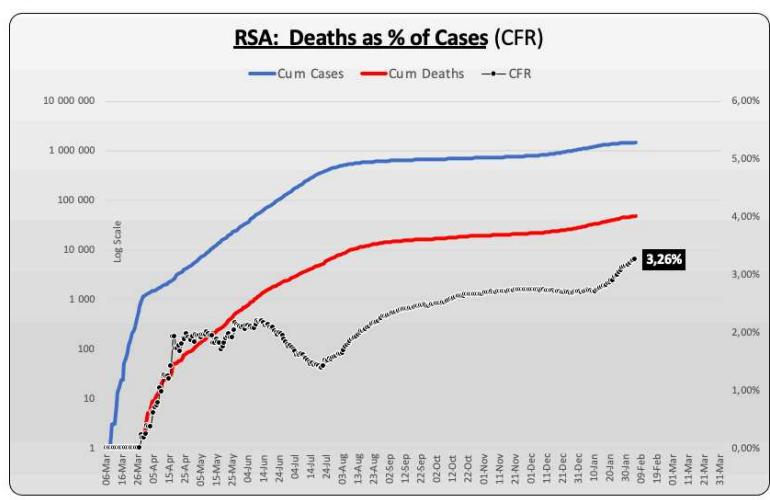


RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (CMR)



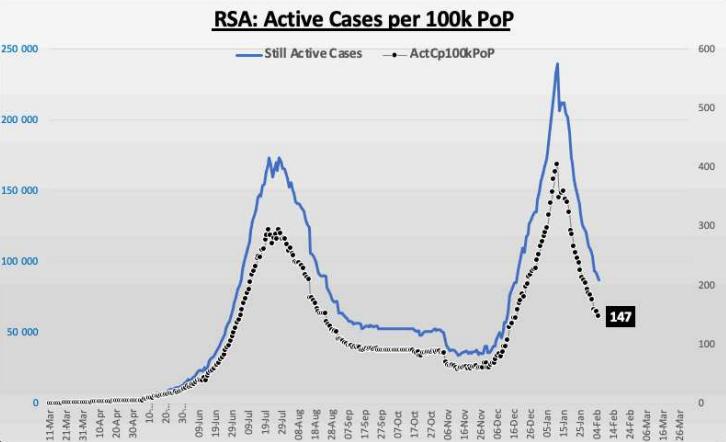
RSA: Deaths as % of Cases (CFR)

— Cum Cases — Cum Deaths — CFR

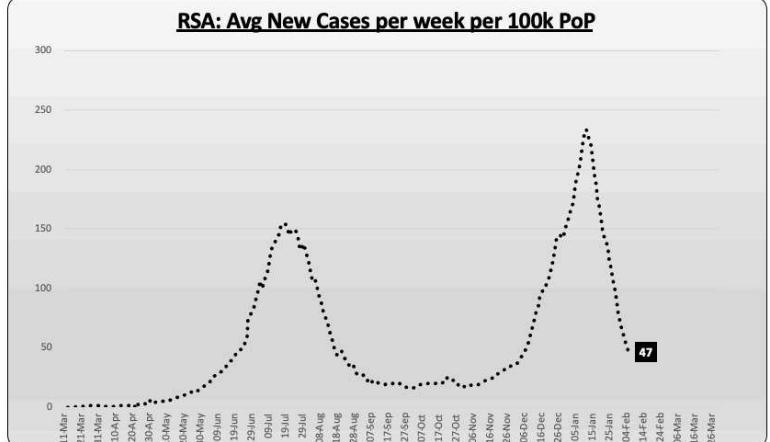


RSA: Active Cases per 100k PoP

— Still Active Cases ••••• ActCp100kPoP



RSA: Avg New Cases per week per 100k PoP



Data as at:

05 February 2021

Unless otherwise indicated

hdg

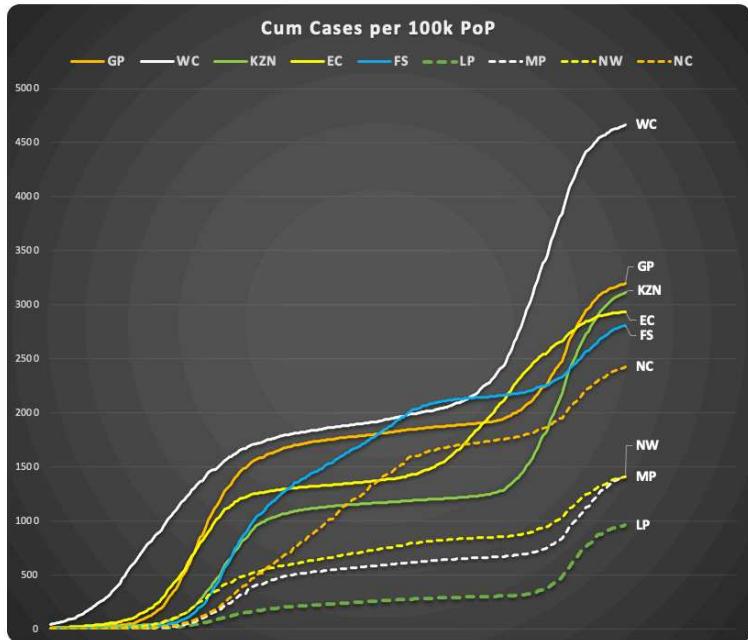
06 February 2021

RSA & Provinces Key Data Sets

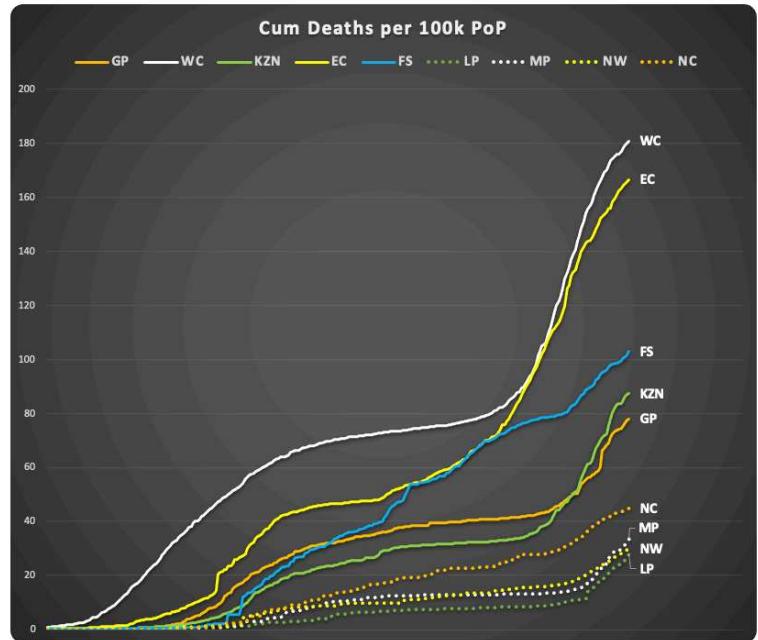
Page 5.5

All linear scales

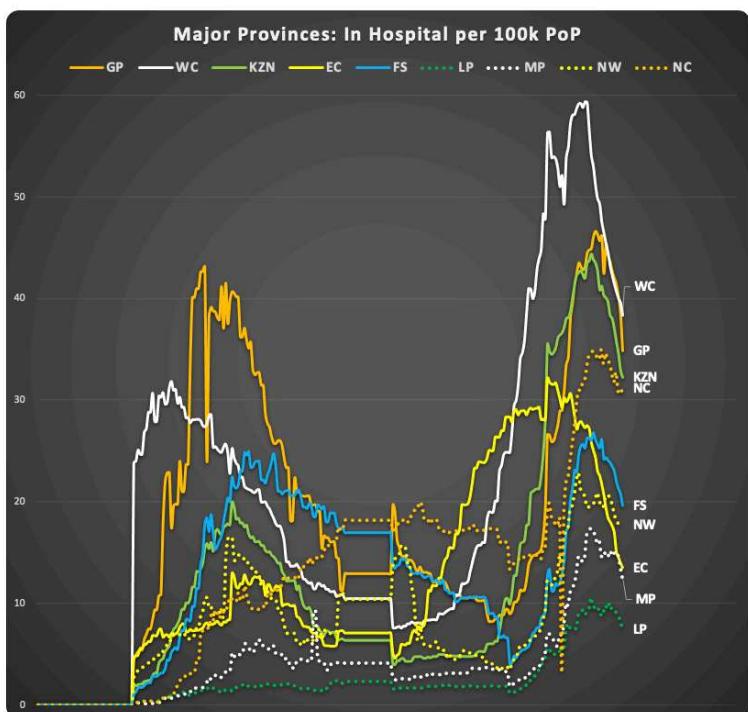
Cum Cases per 100k PoP



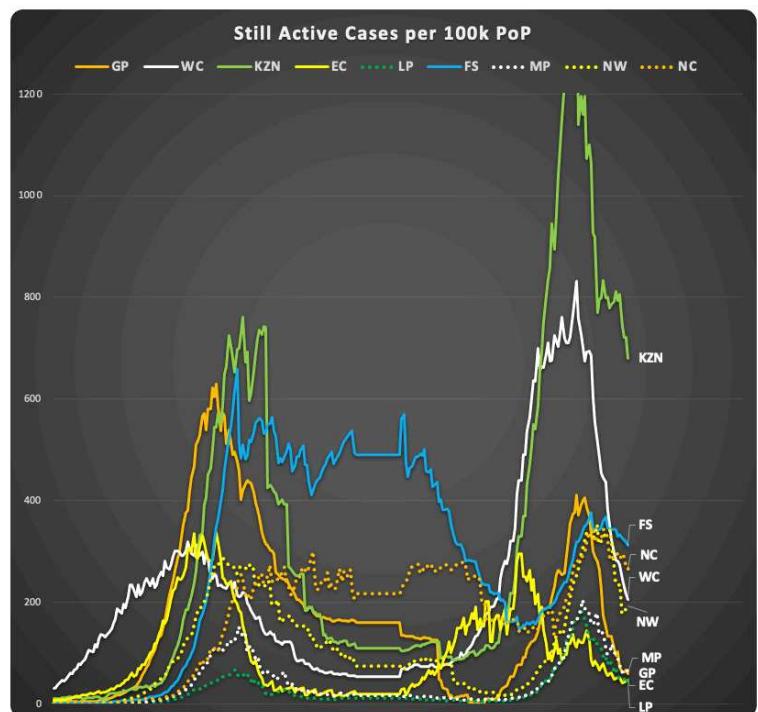
Cum Deaths per 100k PoP



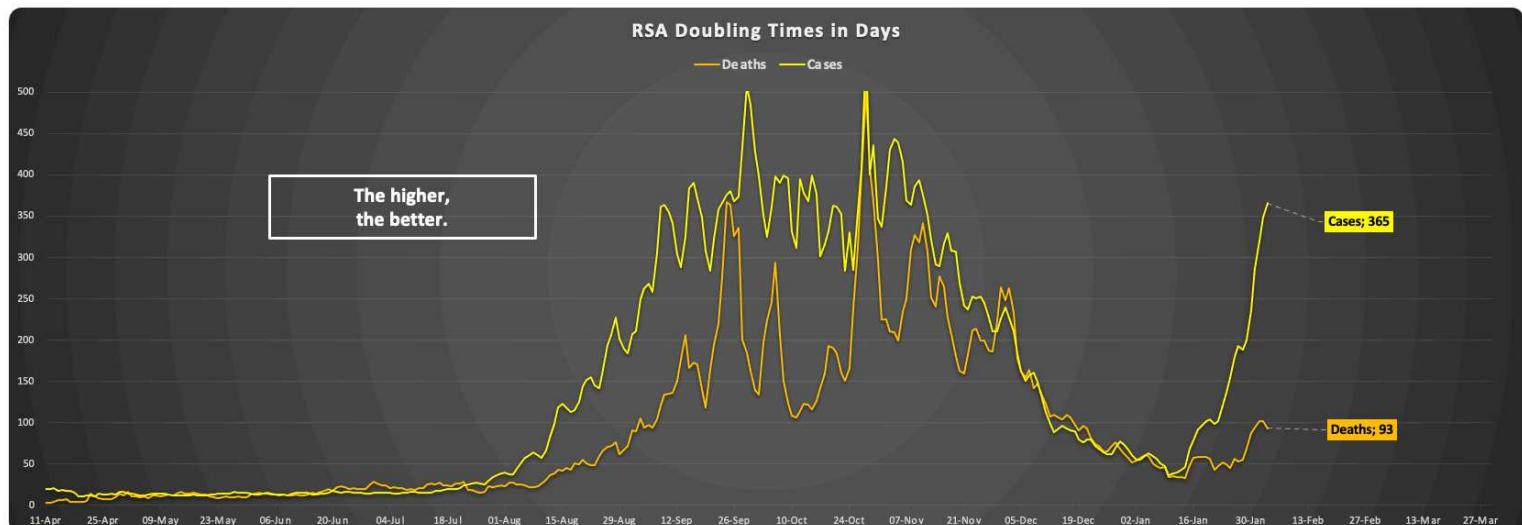
Major Provinces: In Hospital per 100k PoP

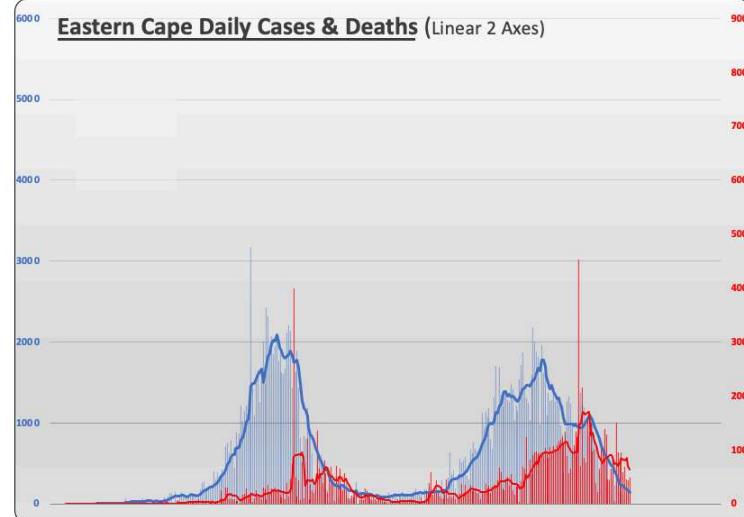
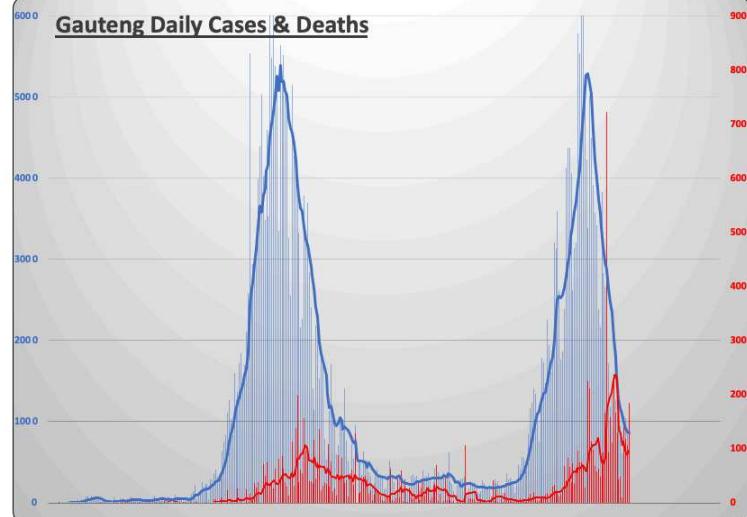
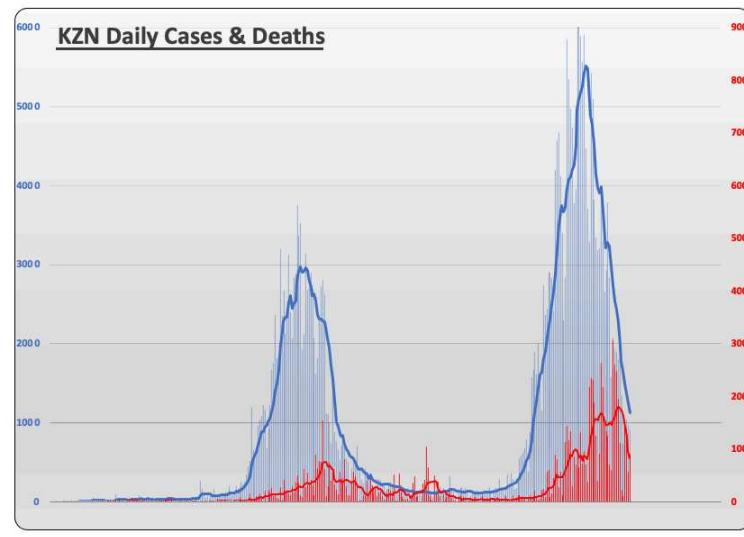
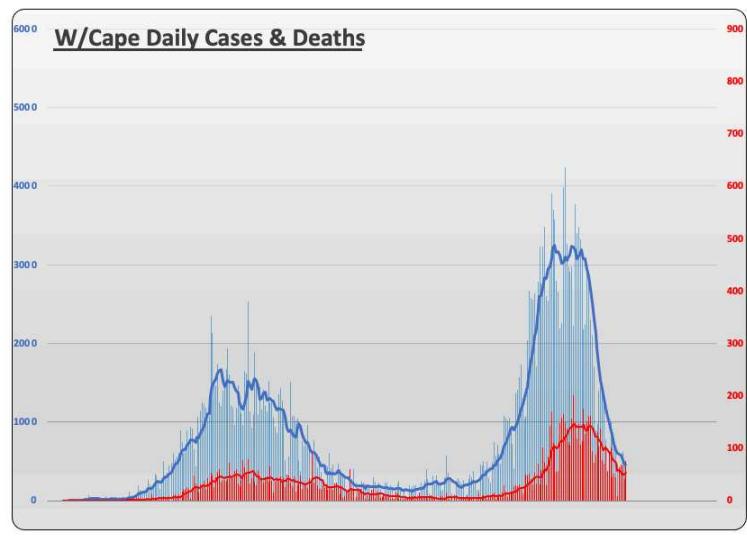
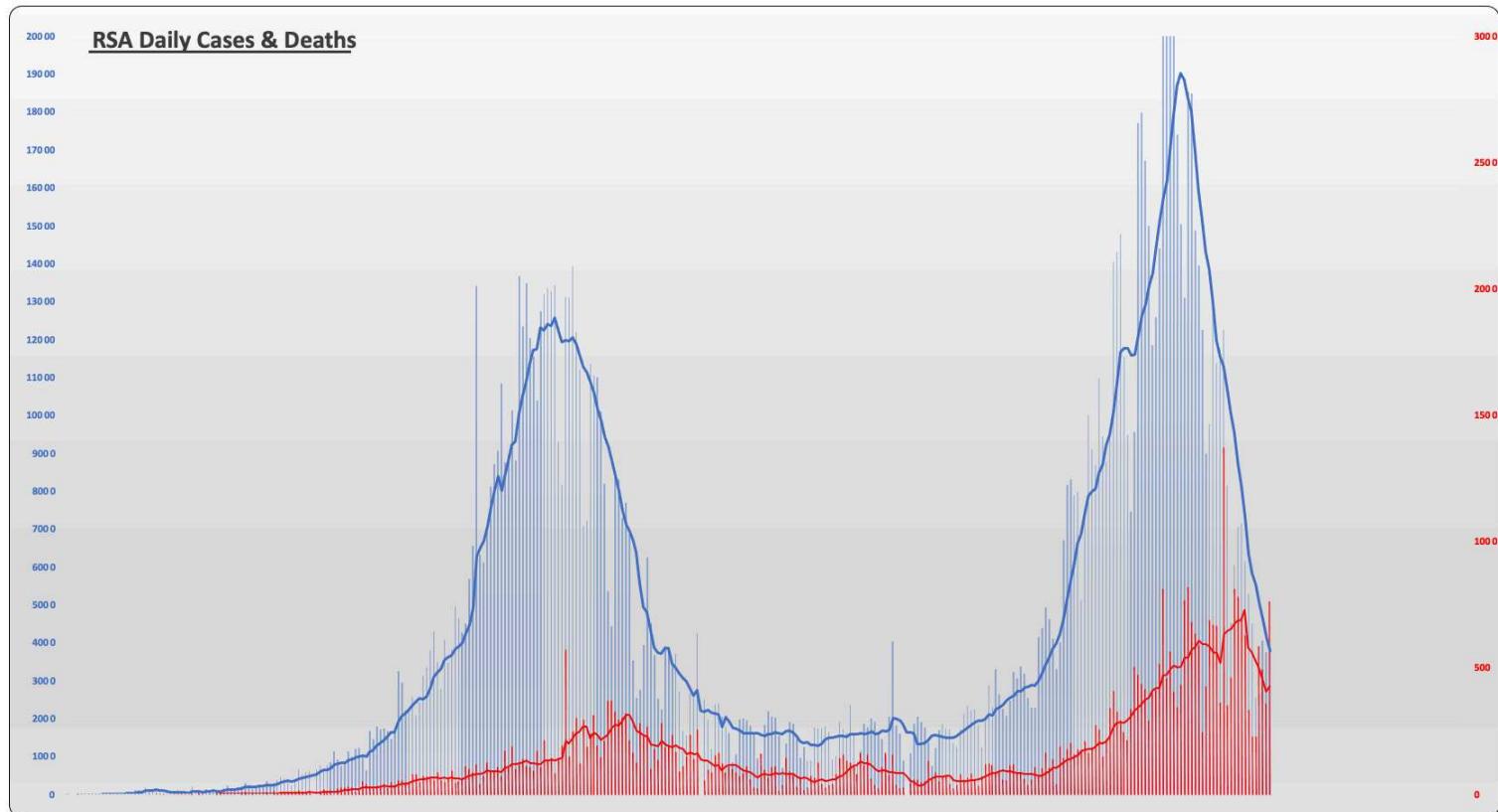


Still Active Cases per 100k PoP



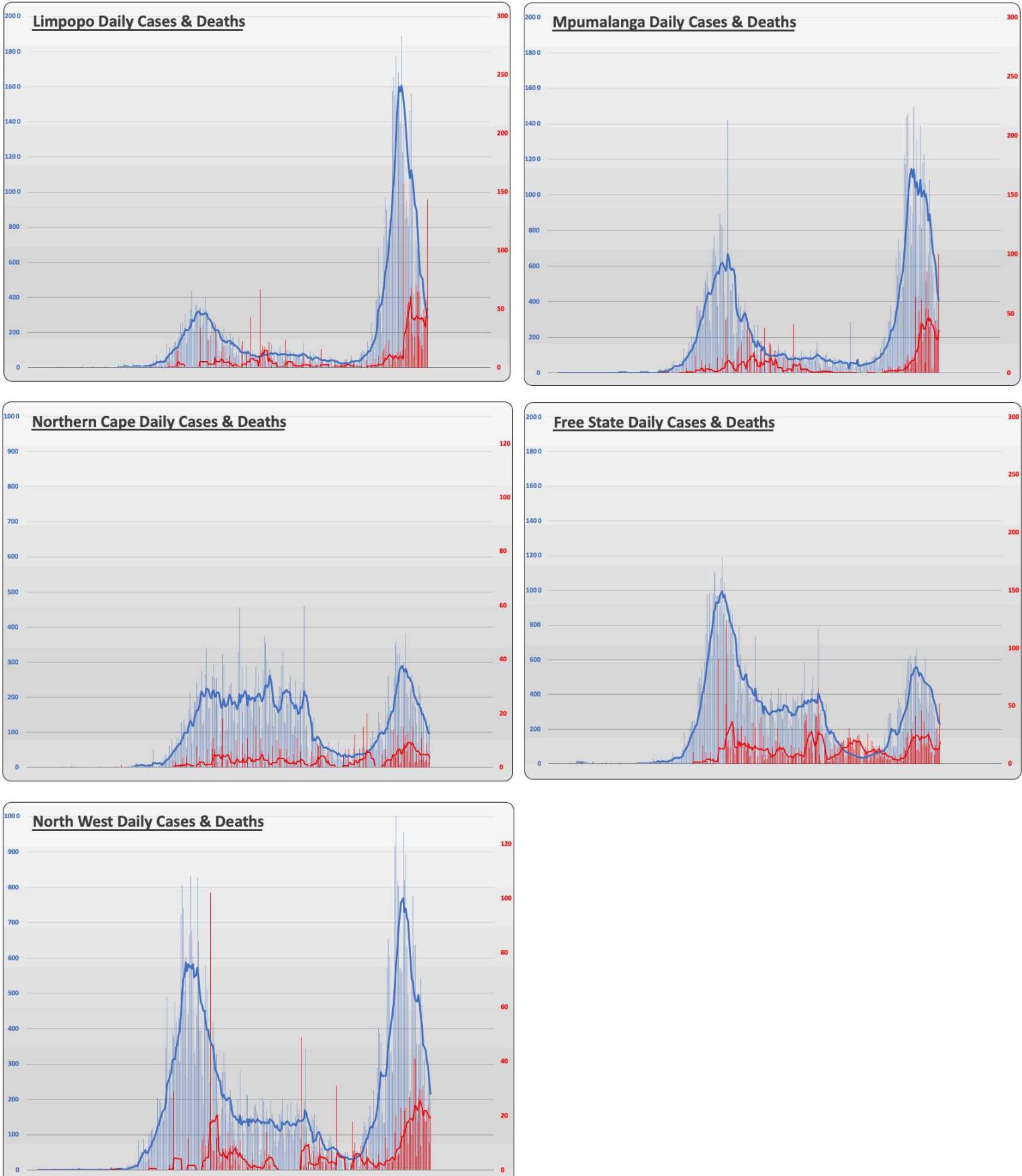
RSA Doubling Times in Days



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

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

Page 5.7



Vaccination Data

RSA: Vaccinations per 100k PoP :

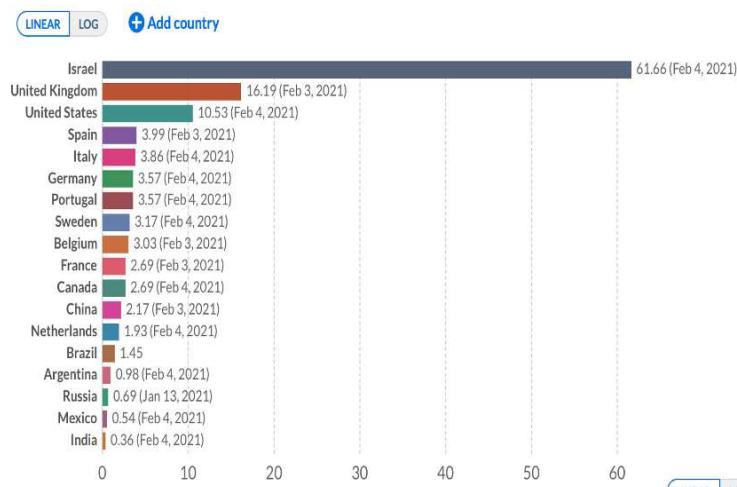


Selected countries who publish their VAC data :

COVID-19 vaccine doses administered per 100 people, Feb 5, 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

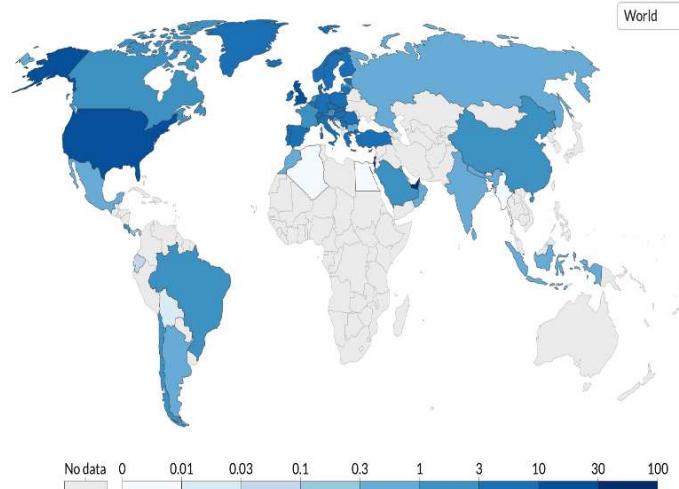


Source: Official data collated by Our World in Data – Last updated 5 February, 20:30 (London time)

COVID-19 vaccine doses administered per 100 people, Feb 5, 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).

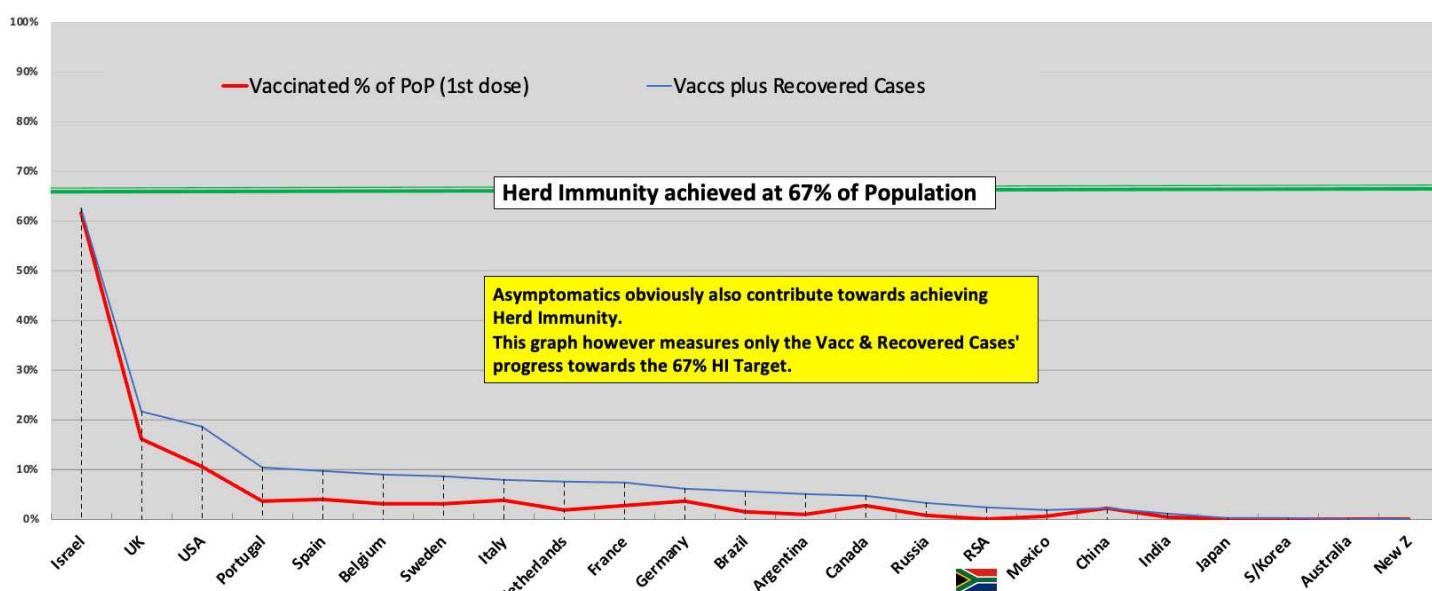
Our World in Data



Source: Official data collated by Our World in Data – Last updated 5 February, 20:30 (London time)

CC BY

Selected Countries' Progress towards Herd Immunity (HI) :



Laughter is the best vaccine....

