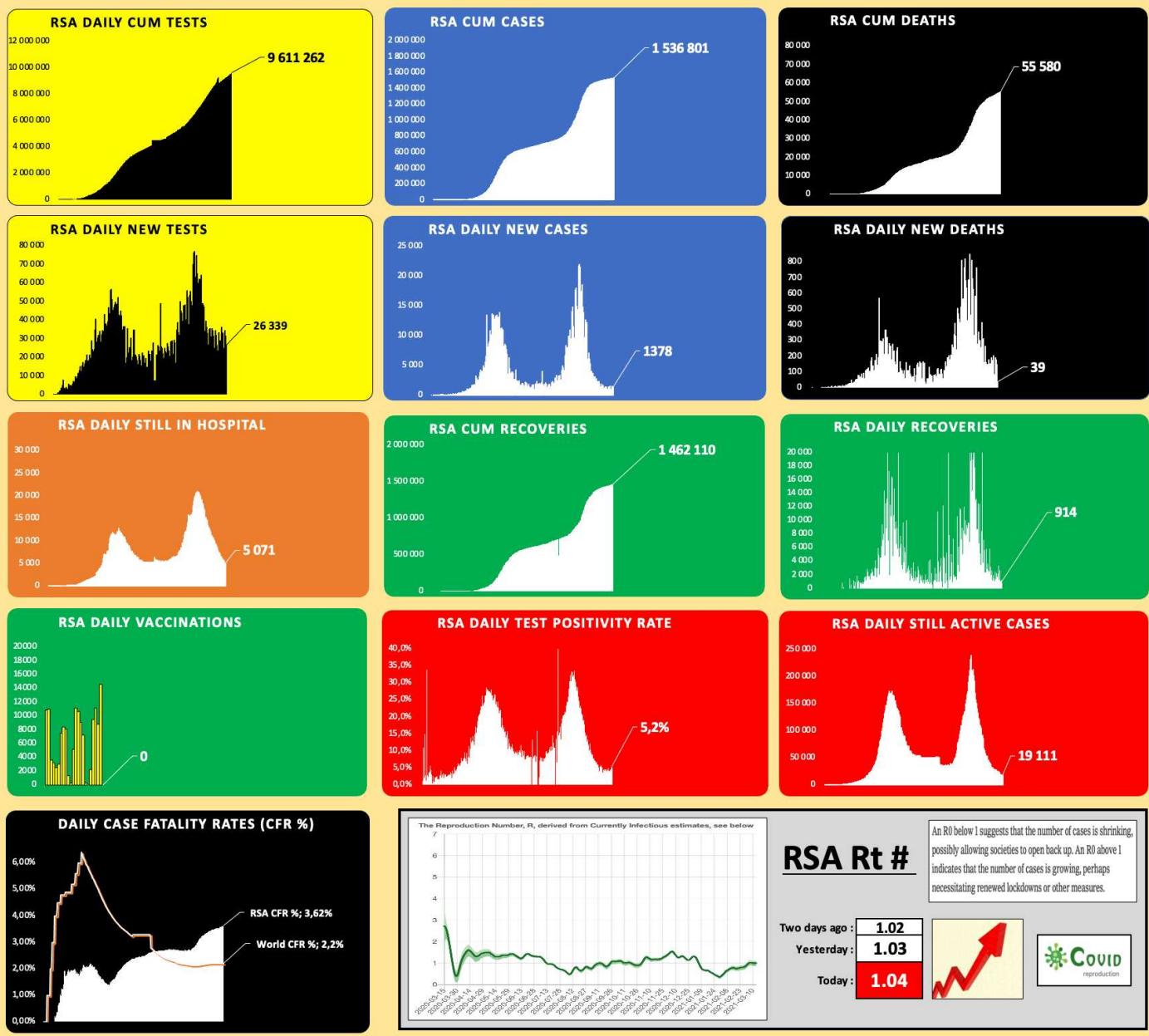


HarryG COVID-19 Dashboard

Page 1

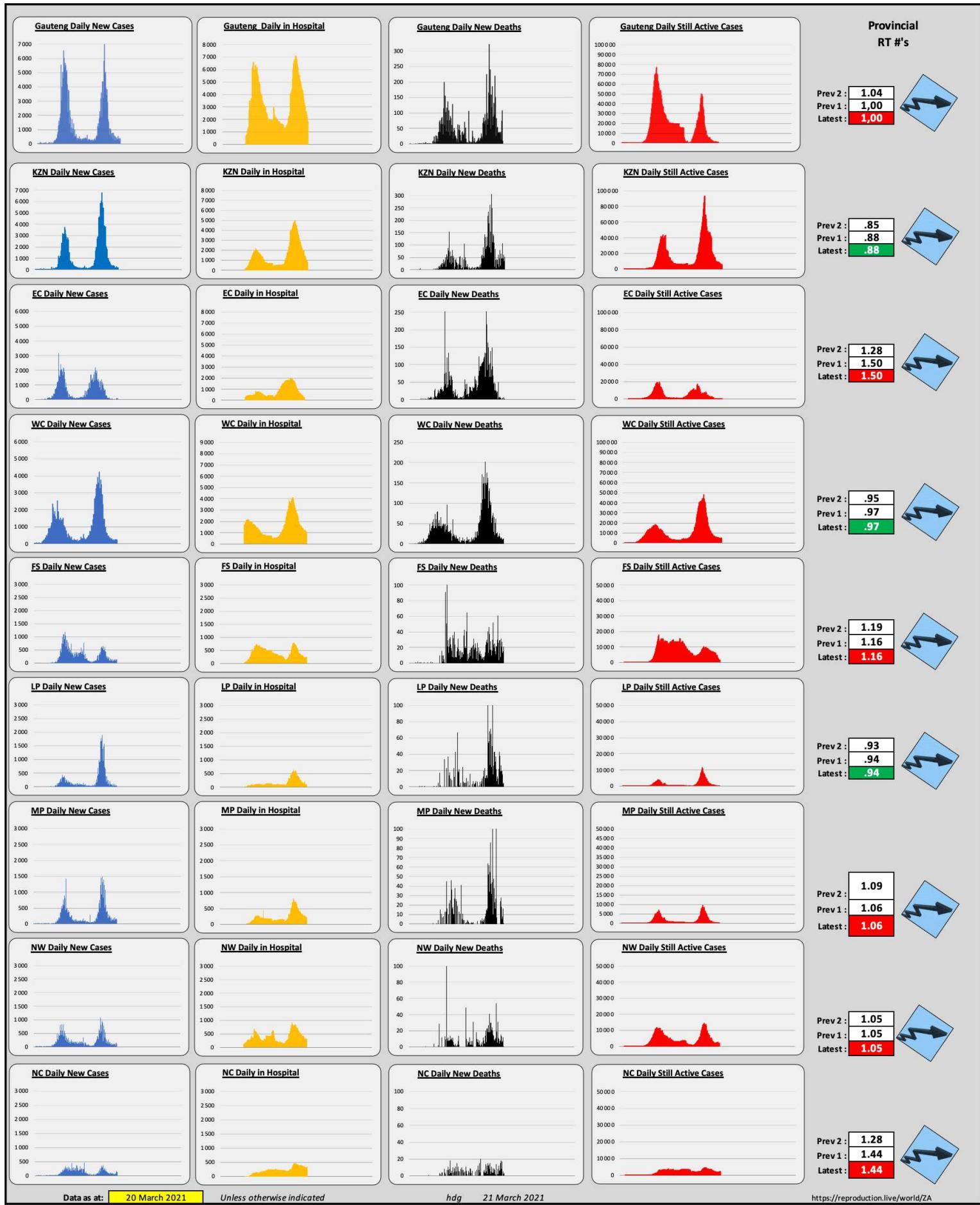
Daily Cases		RSA COVID-19 DASHBOARD		Daily Still in Hospitals	% of Reported Cum Cases who Died (CFR)	Cum Recoveries
1 536 801	1 378	20 March 2021		5071	3,62%	1 462 110
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP			% of RSA PoP who have died to date (PMR)	95,1%
19 111	25 912	55 580		39	0,094%	0,16%
Deaths Avg Age	Deaths Min Age	Cum Deaths	Daily Cases	Cases Deaths CFR	Vaccinations:	Cum Tests
62,2	0,2	55 580	39	182 983	Total to date & Past 24hrs	26 339
Deaths Max Age					Deaths Median Age	Daily Tests
105					59,1	
20-Mar						
Female : 57,8%	52,0%	3,03%				
Male : 42,2%	48,0%	3,82%	0			



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

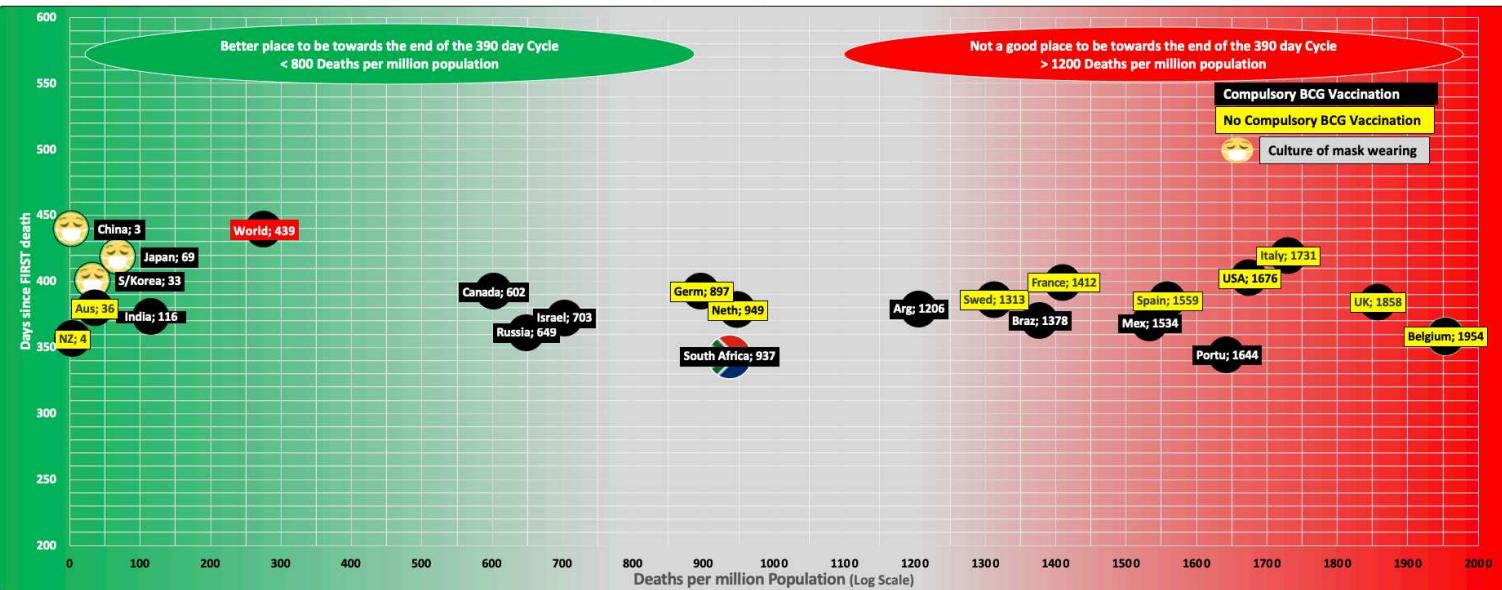
Page 1.1

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

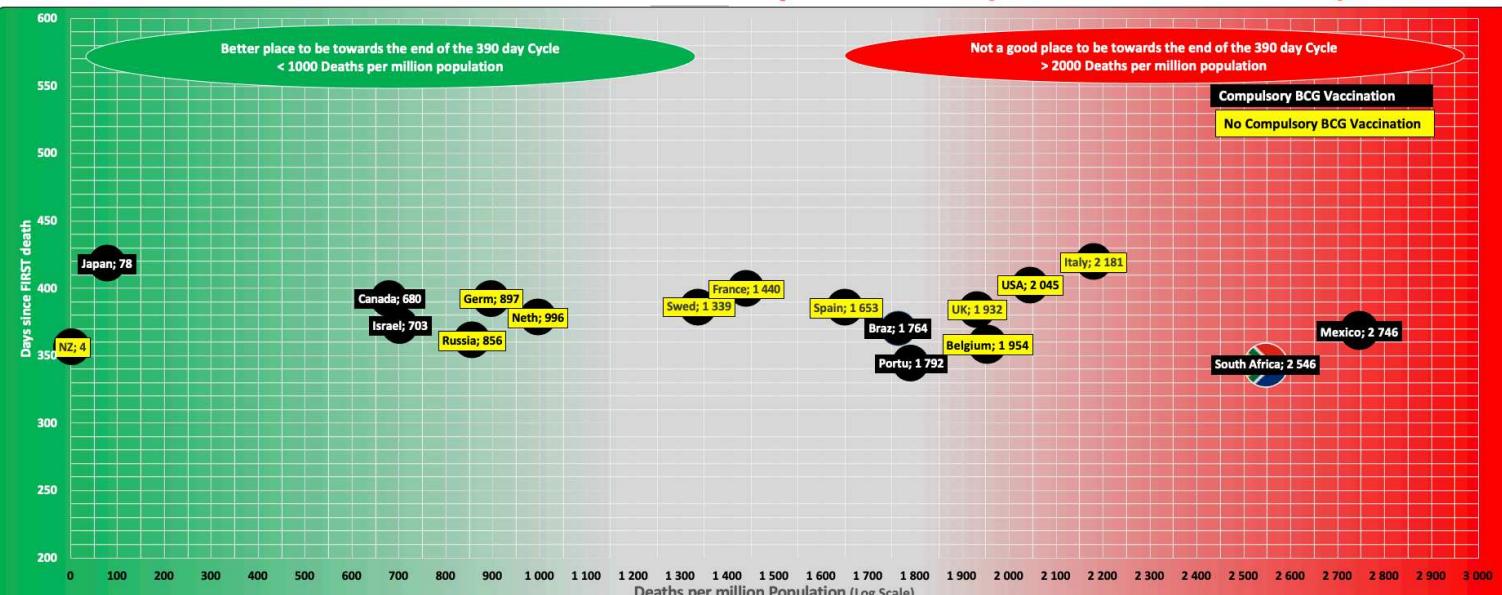


Selected Countries' Reported Deaths per mill Pop

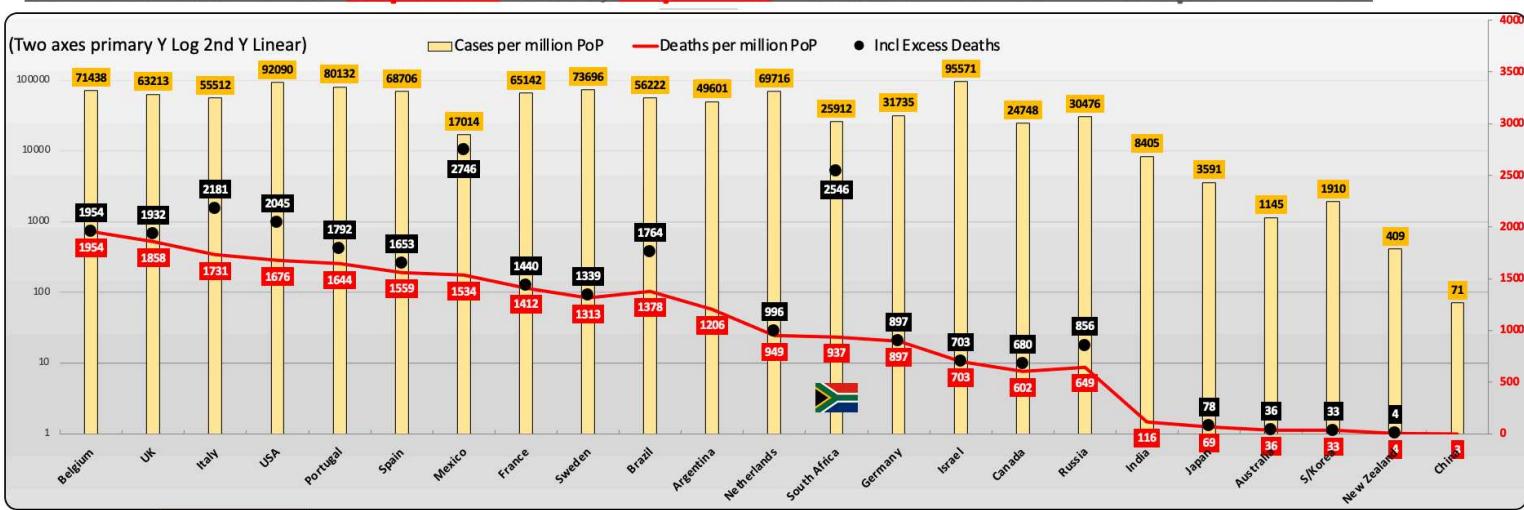
Page 2



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



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



Data as at: 20 March 2021

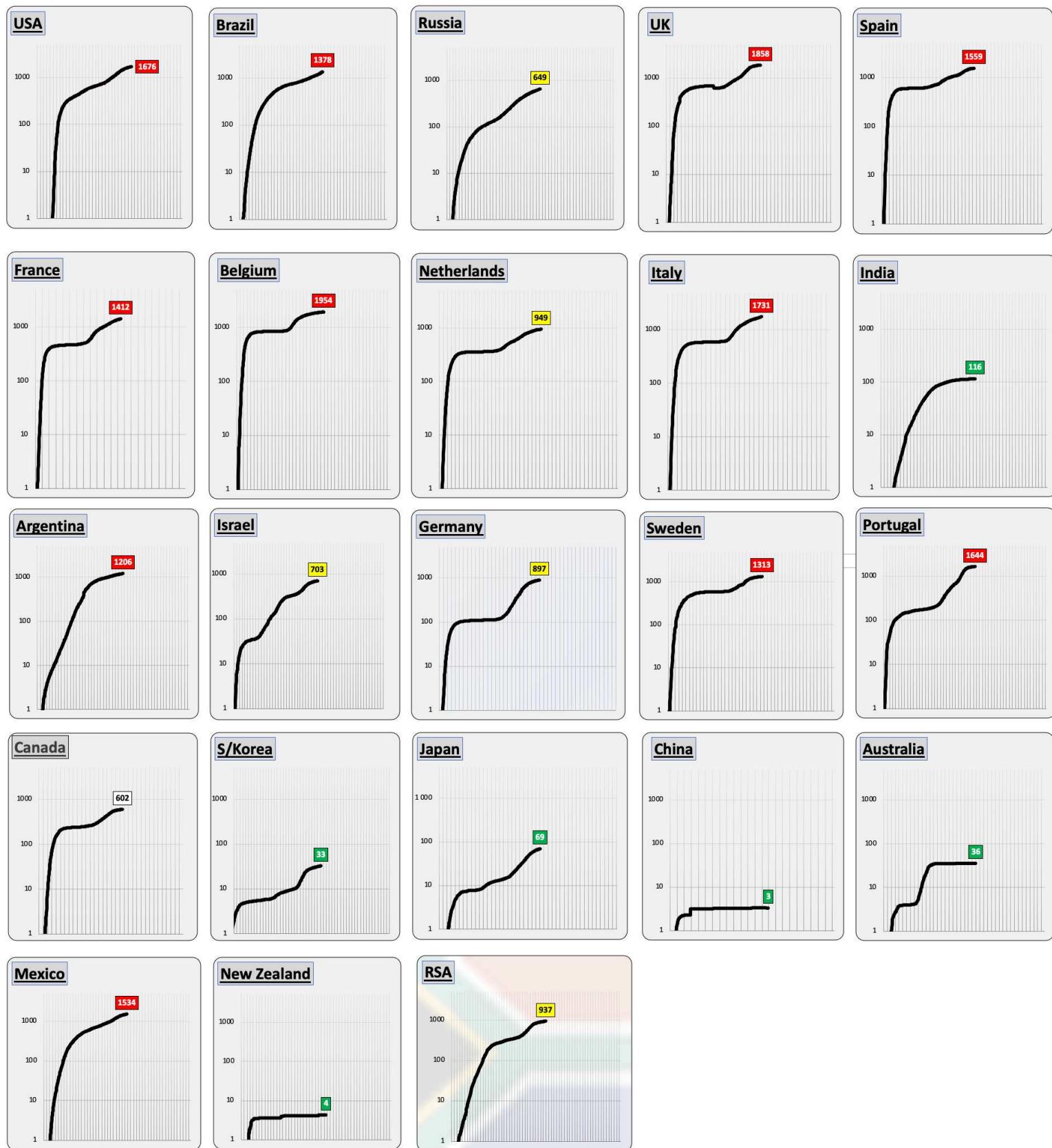
Unless otherwise indicated

hgg 21 March 2021

Cum Reported Deaths per mill PoP for selected countries

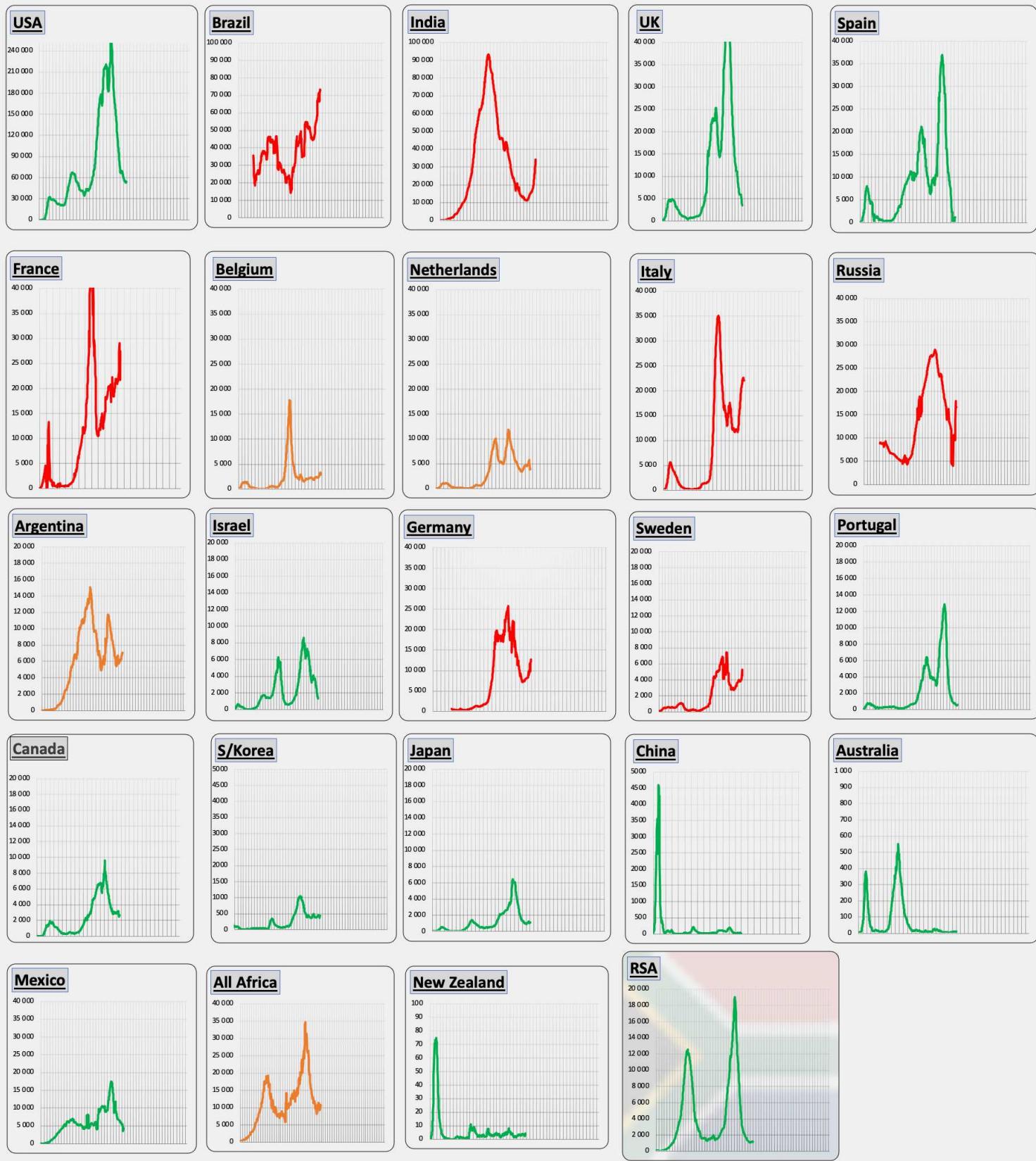
All on same Log Scale (compare Apples with Apples)

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



Daily Reported Cases 7 Day MA

7 Day MA Rising
7 Day MA Stable
7 Day MA Declining



Daily Reported Deaths 7 Day MA

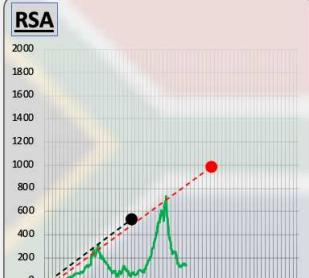
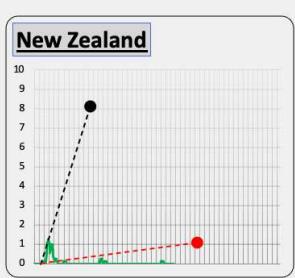
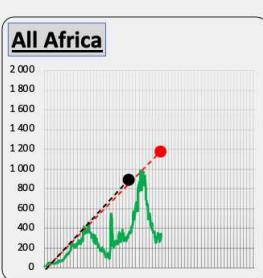
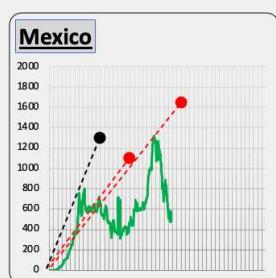
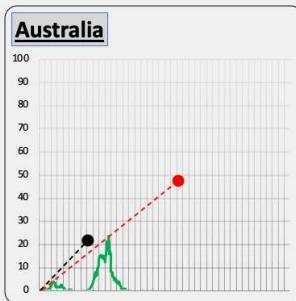
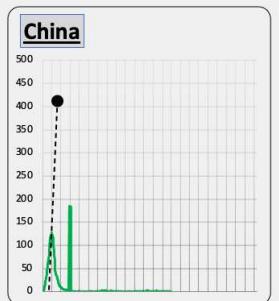
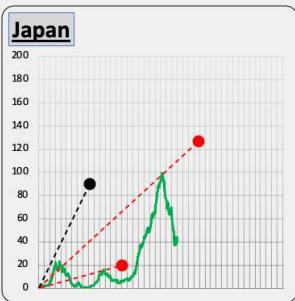
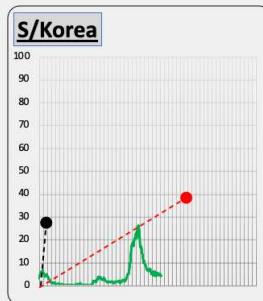
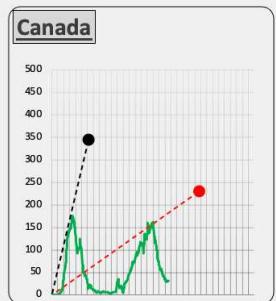
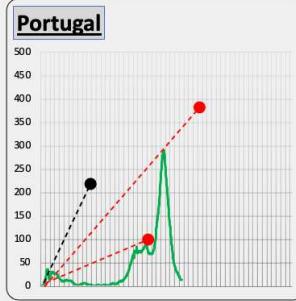
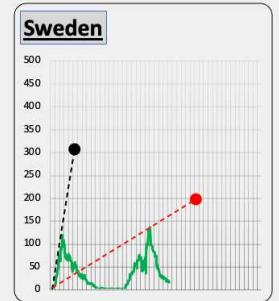
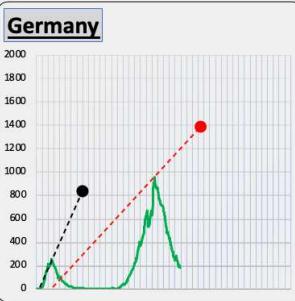
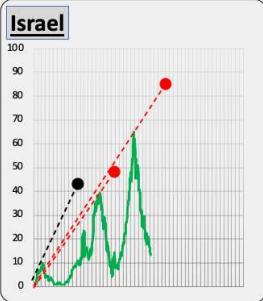
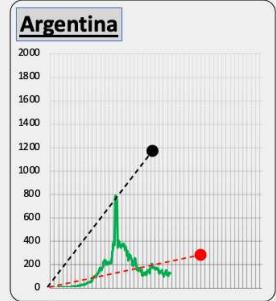
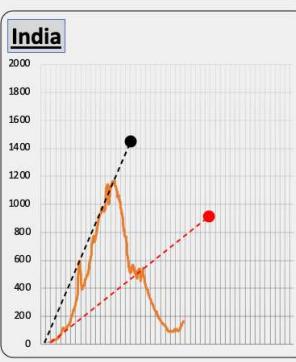
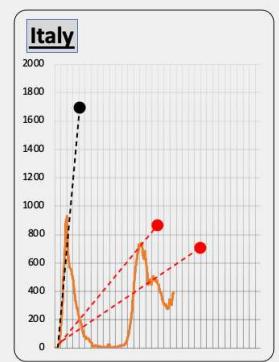
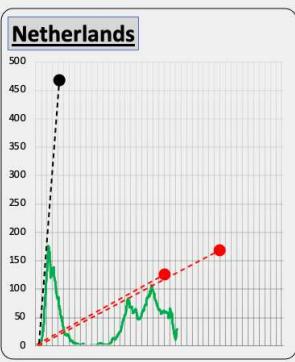
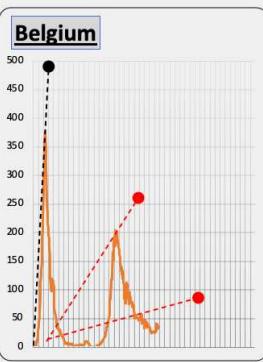
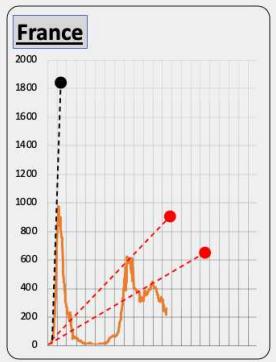
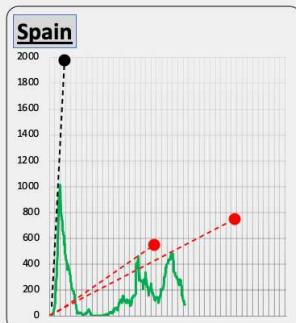
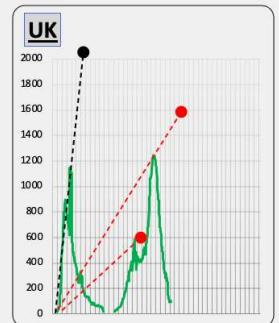
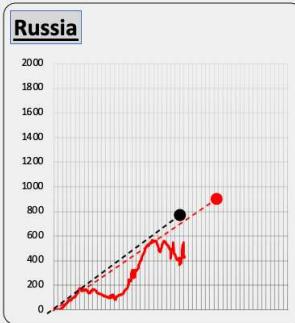
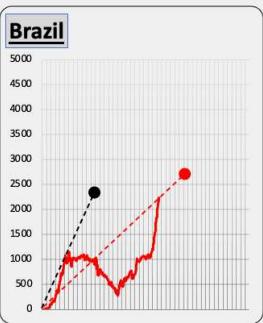
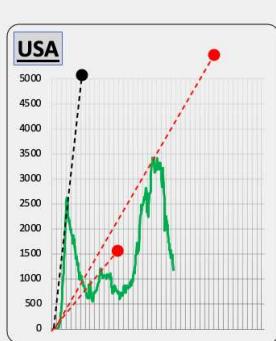
also Rate of Onset/Next Wave "Inclinometers"

7 Day MA Rising

7 Day MA Stable

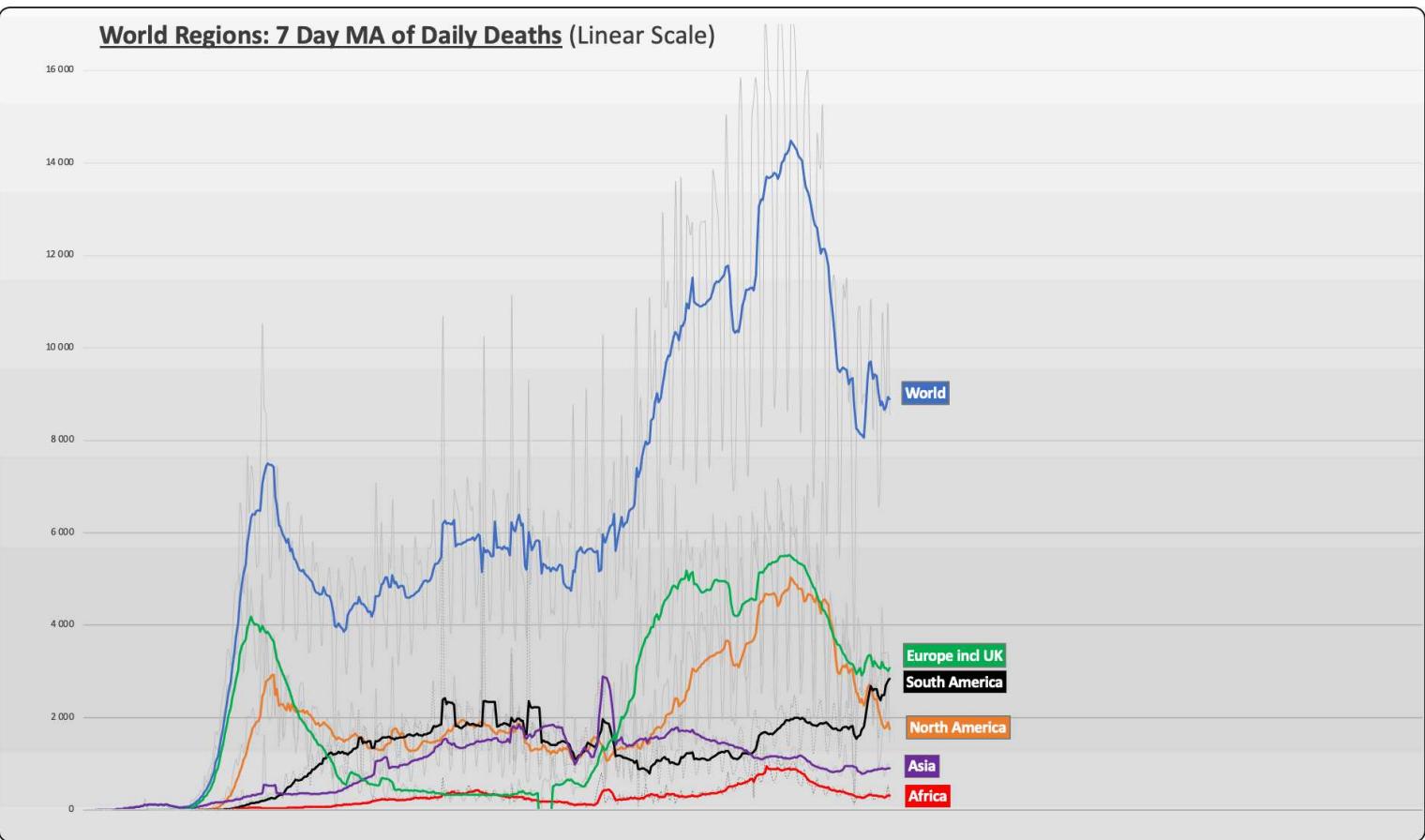
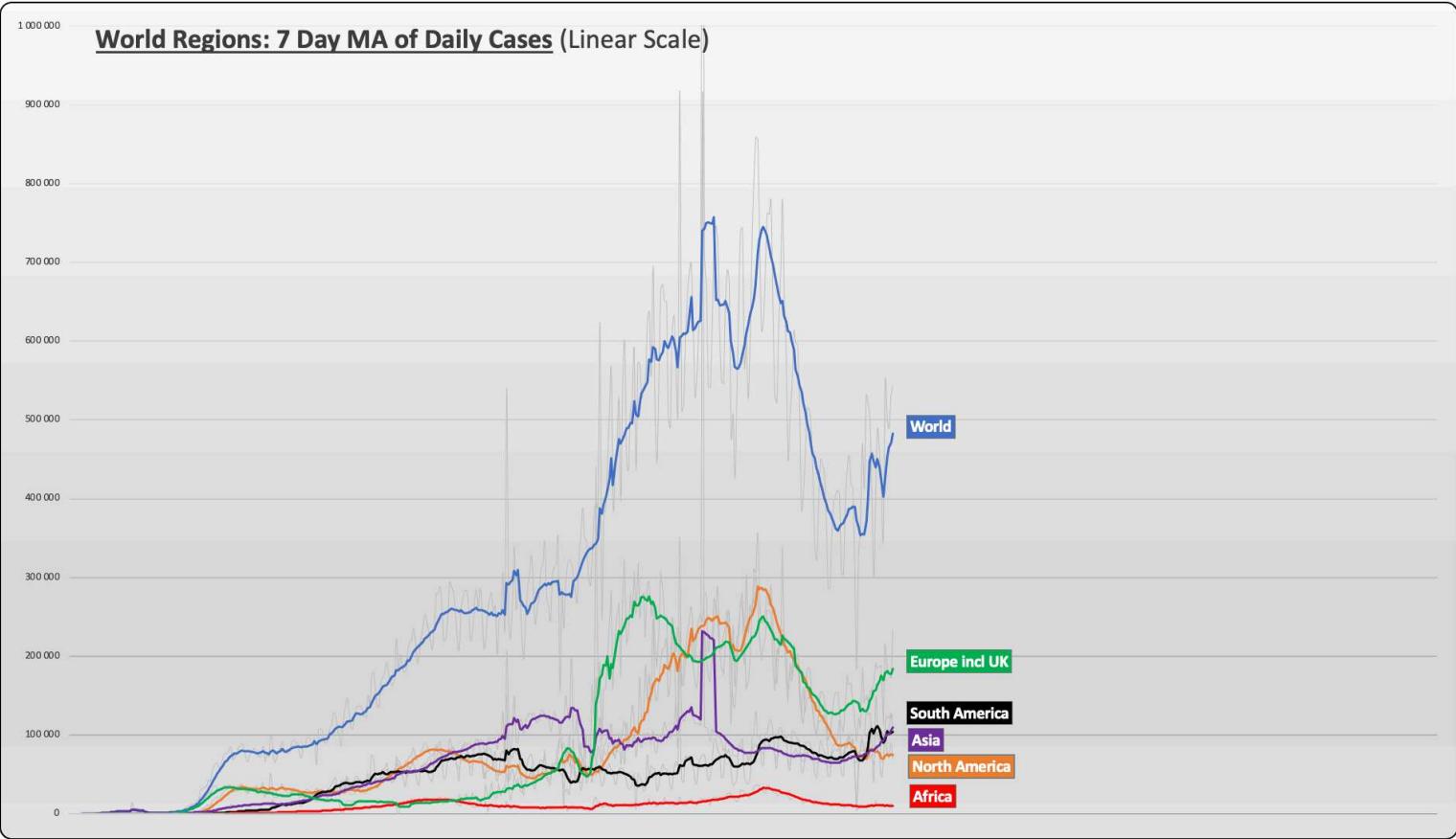
7 Day MA Declining

Page 2.3



7 Day Moving Average of Daily Reported Deaths & Cases by World Region

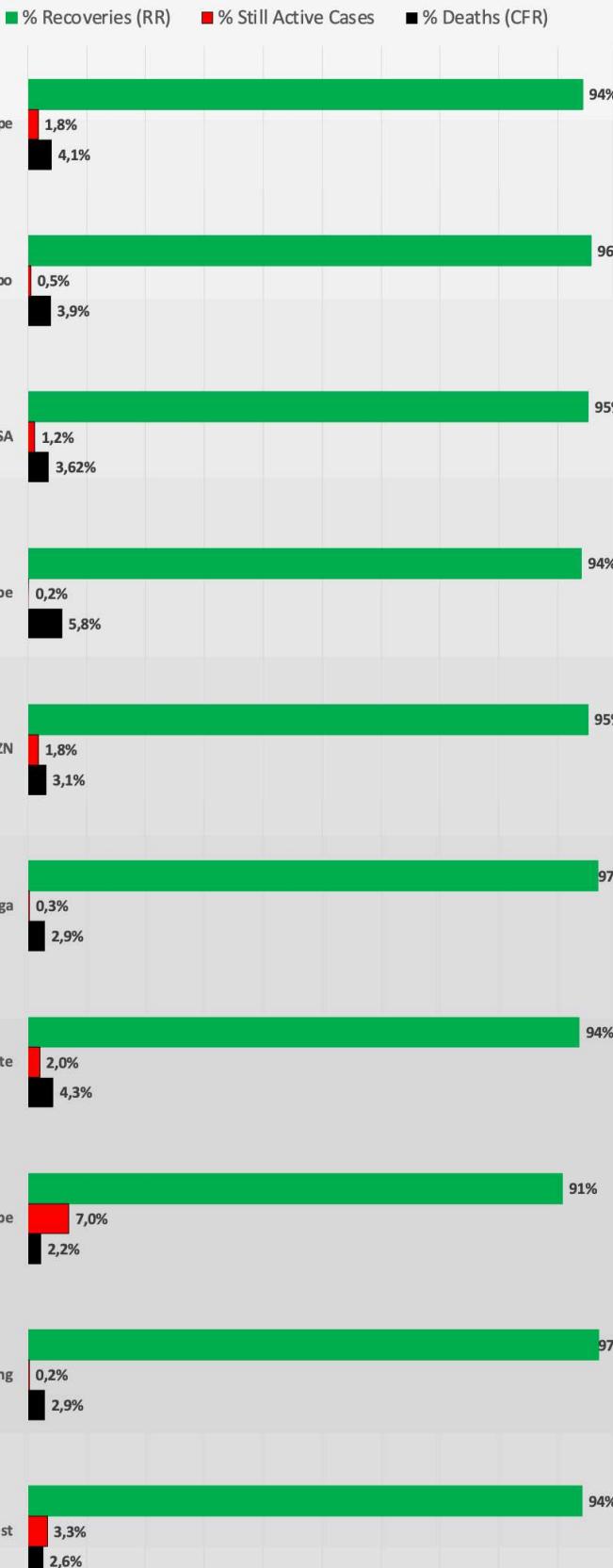
Page 3.0



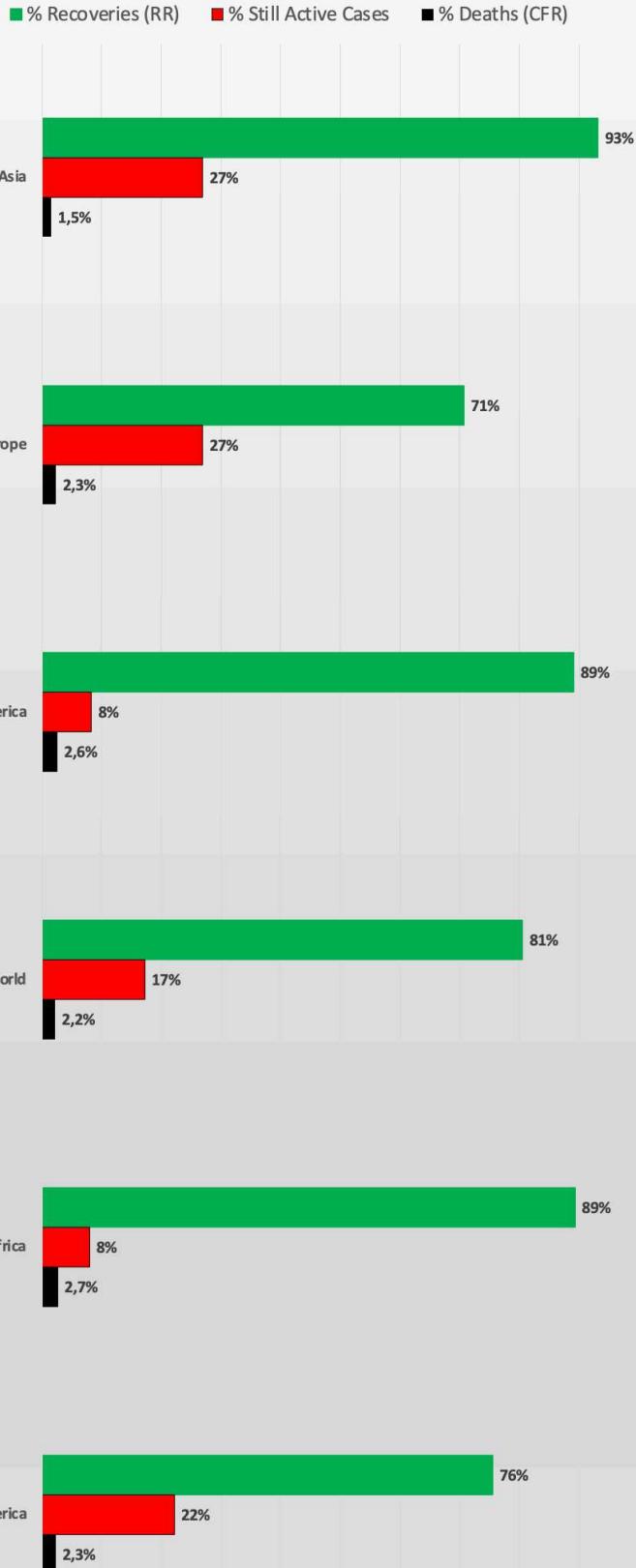
RSA & Provinces v World Data

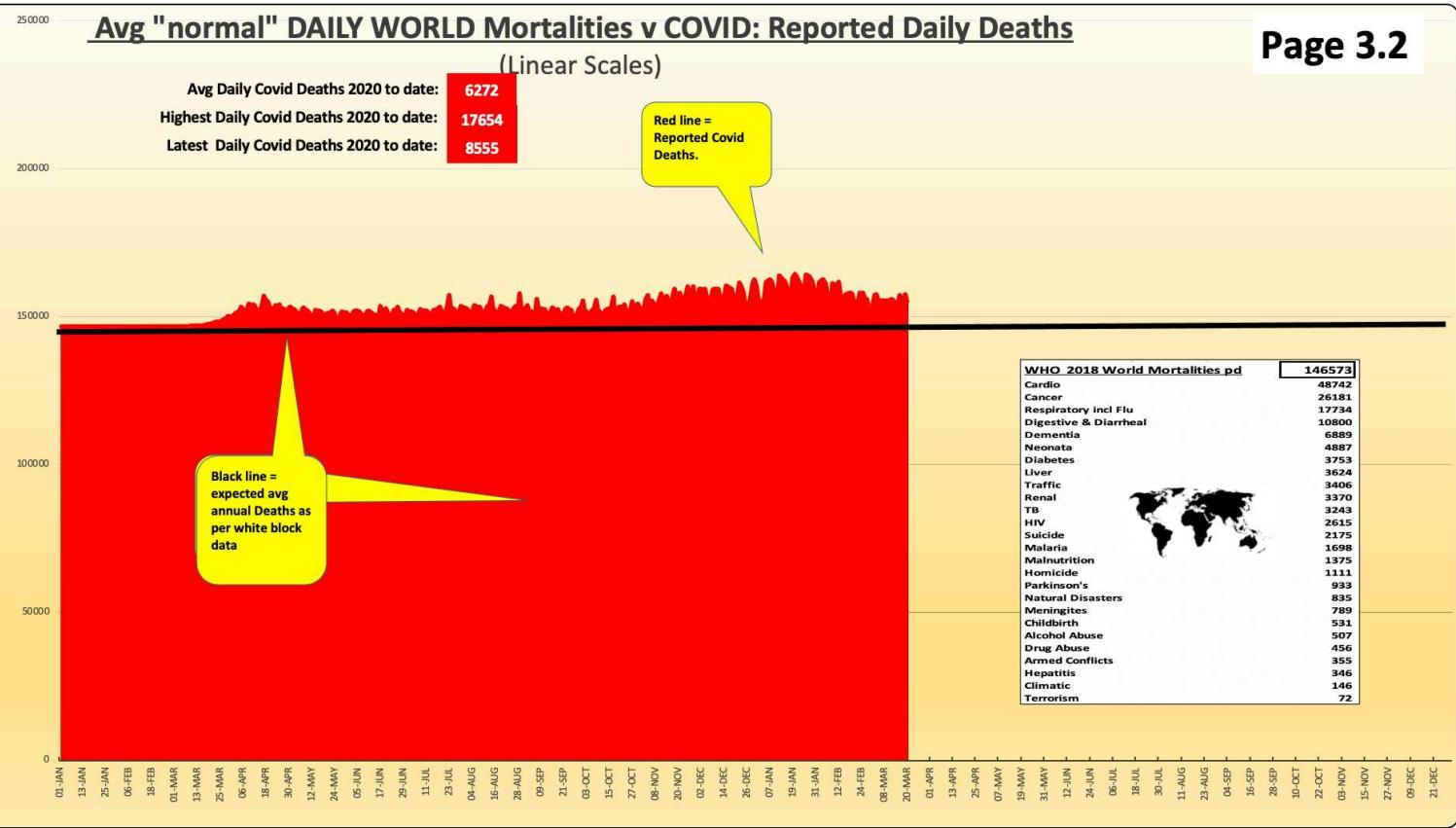
Page 3.1

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



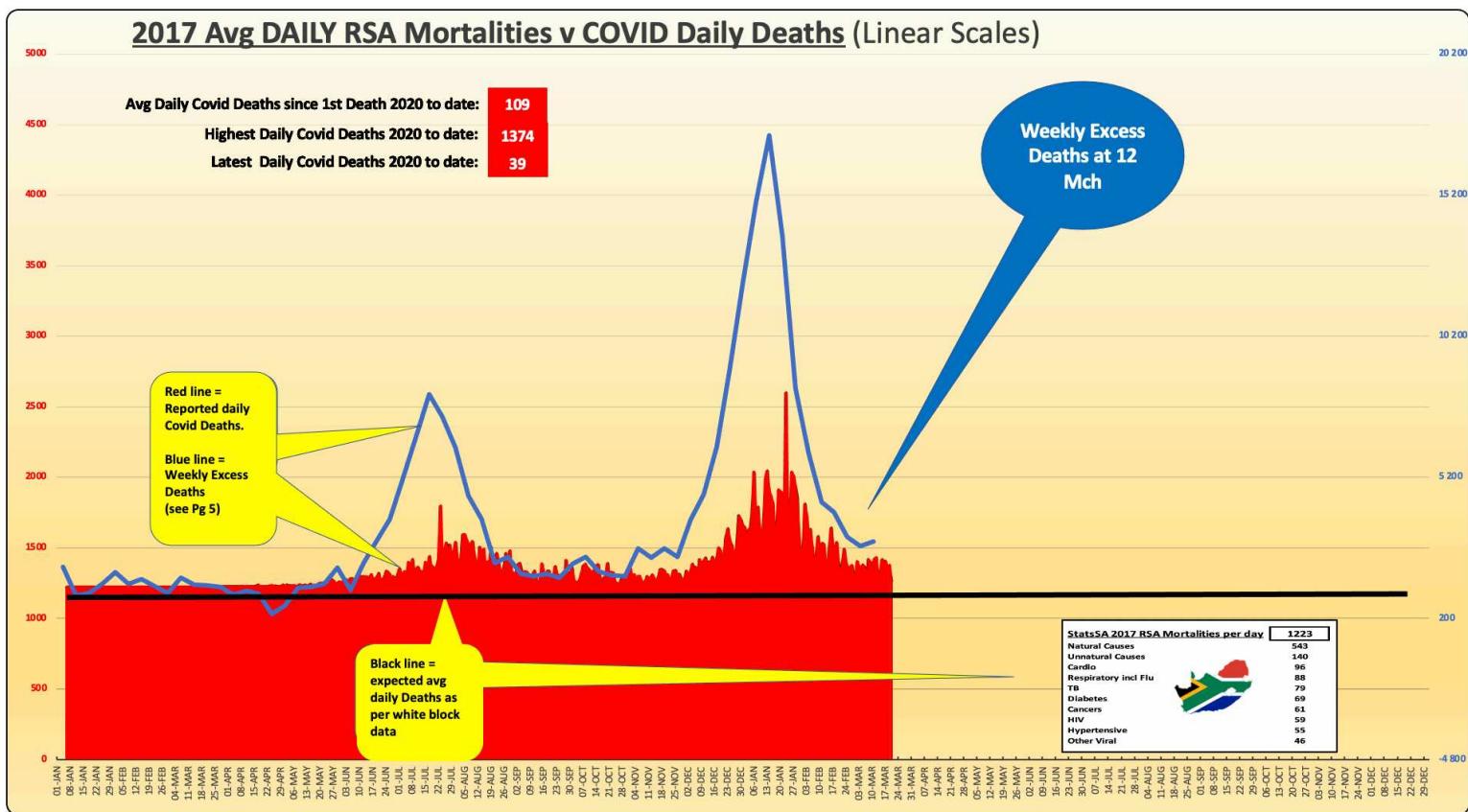


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

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 weekly numbers.



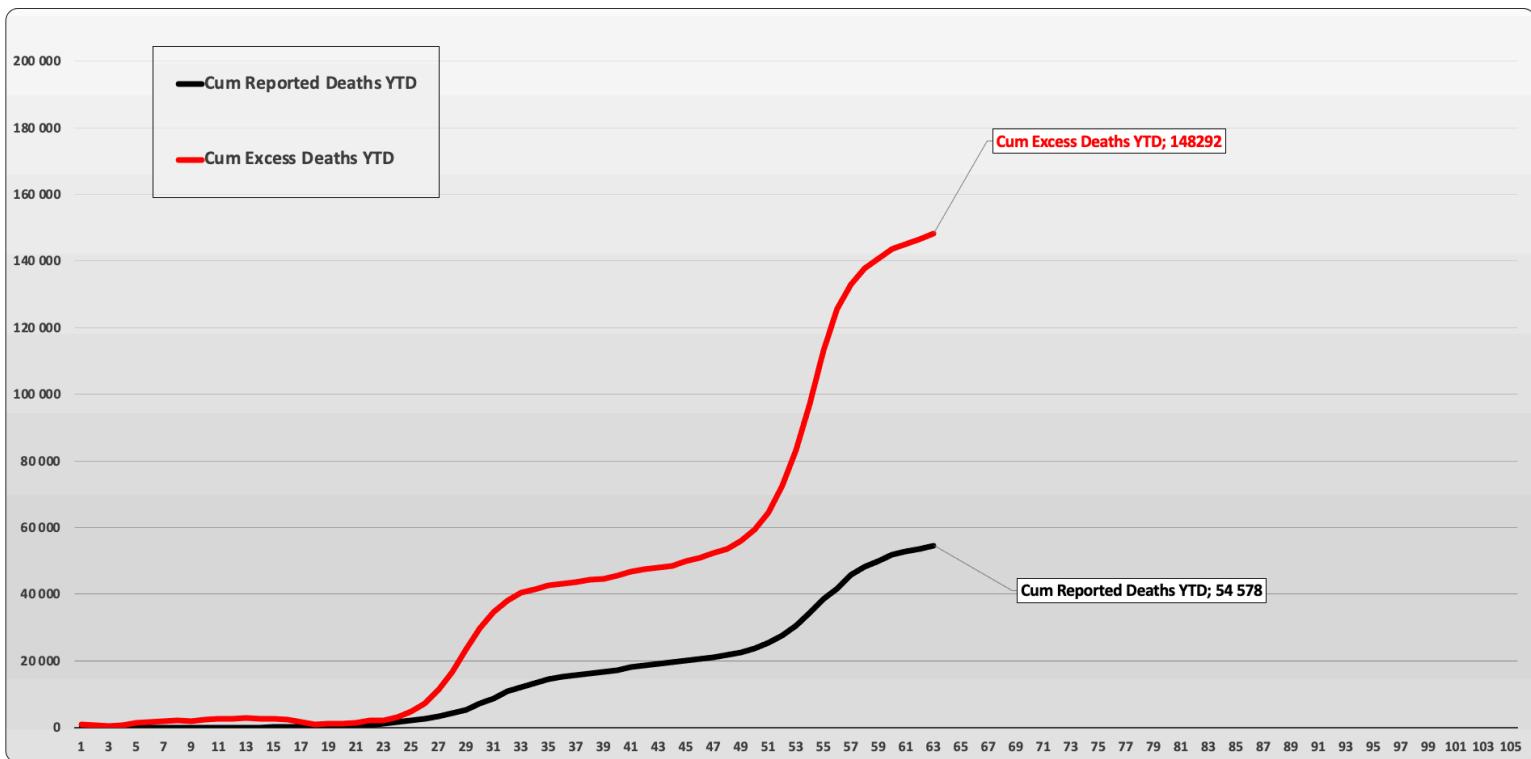
Covid Deaths: Reported and Excess Deaths

Page 4

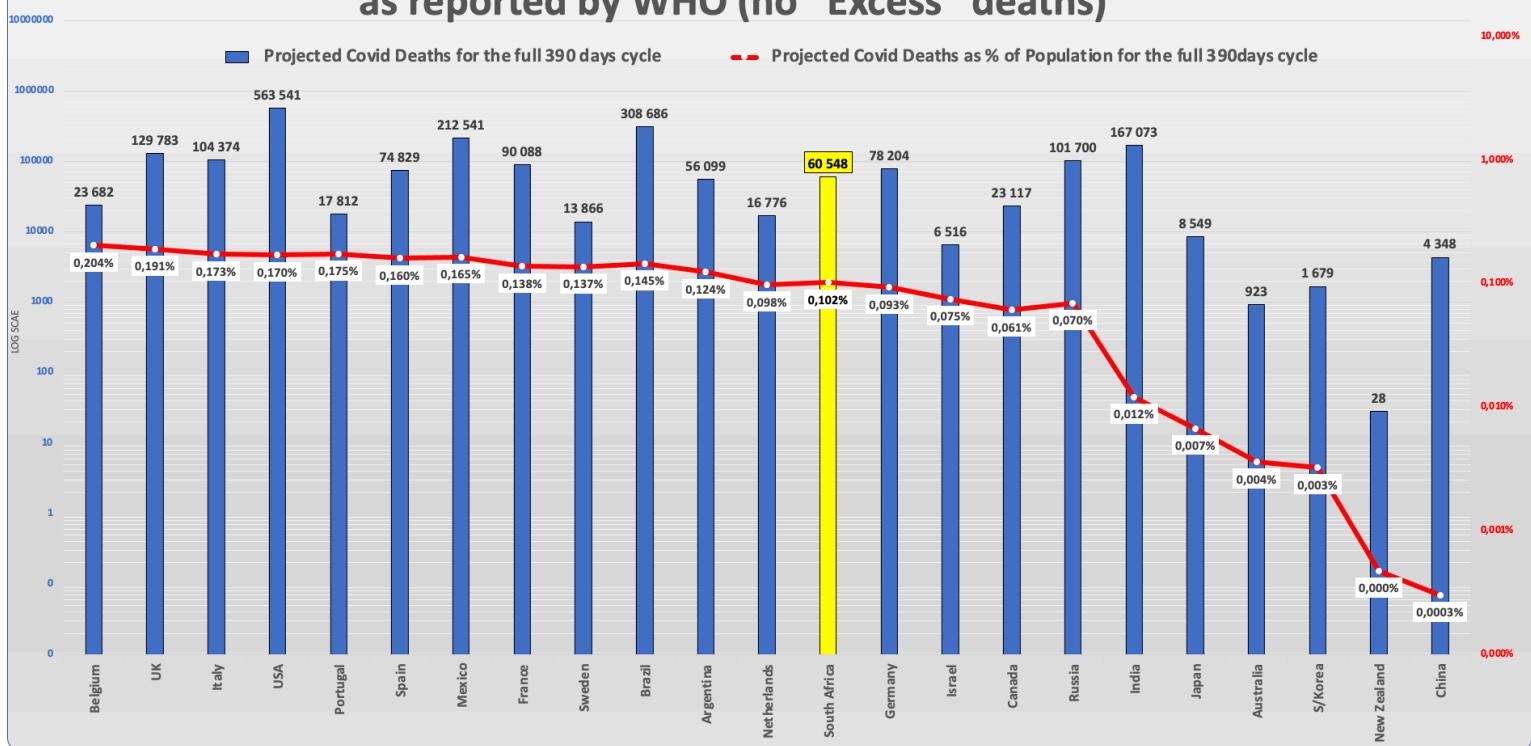
Cum Totals to date & Projections for end March 2021 (weekly SAMRC data)

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

As at Week ended: 12 March 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)



Data as at: 20 March 2021

Unless otherwise indicated

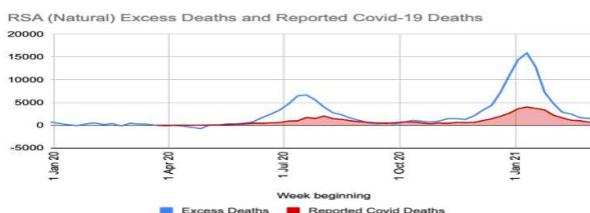
hdg 21 March 2021

RSA Excess Deaths as per SA Medical Research Council

Data as at:

12 March 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:

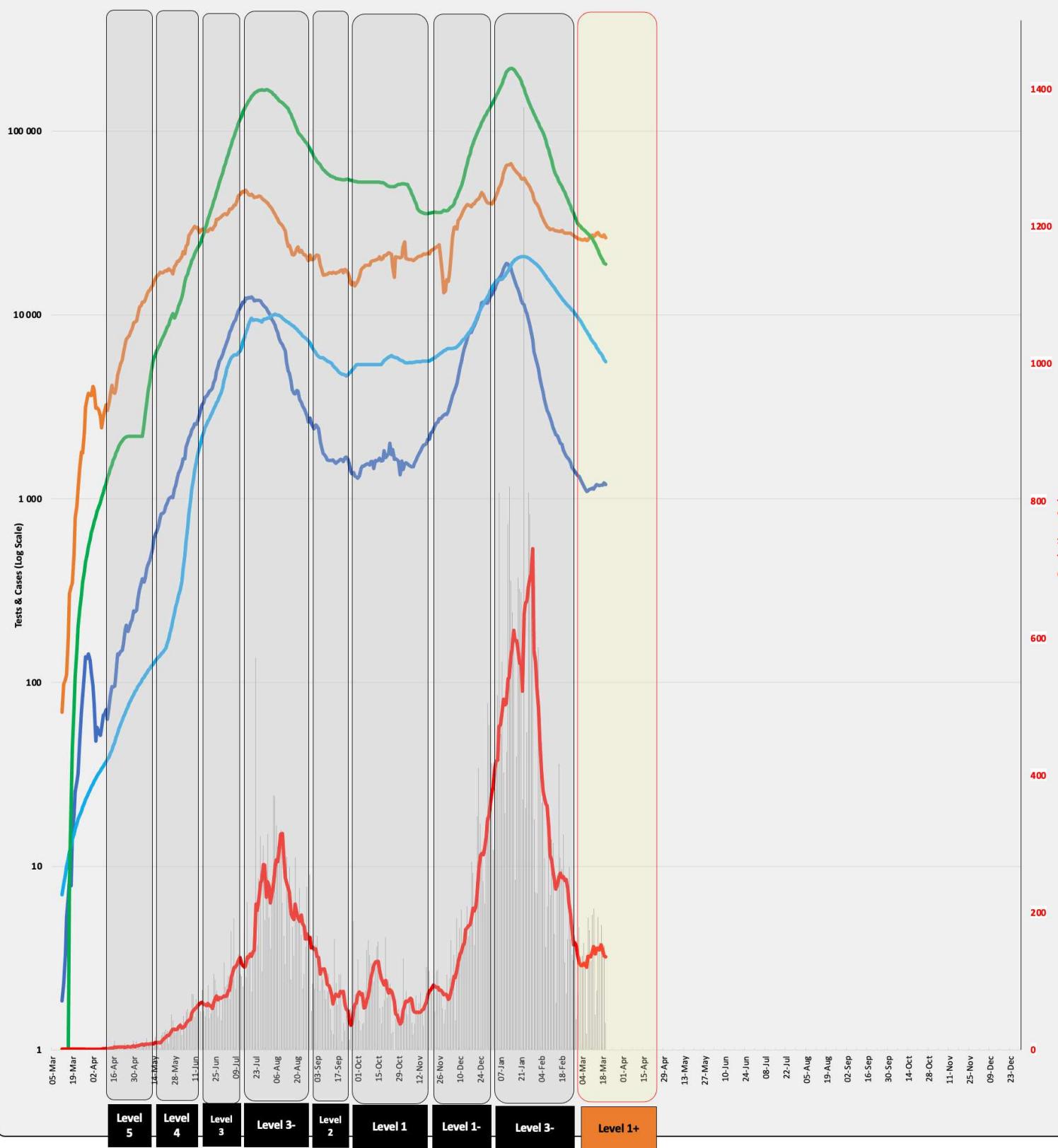
Latest Available

hdg 21 March 2021

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

Page 5.1

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

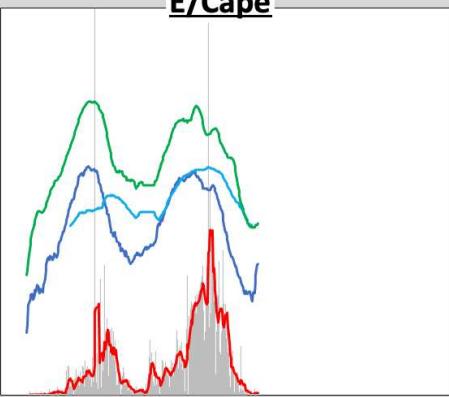


RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)

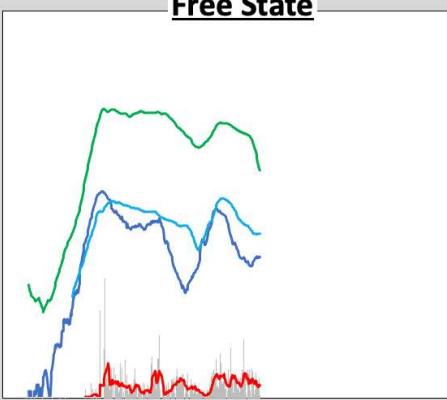
Page 5.2

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

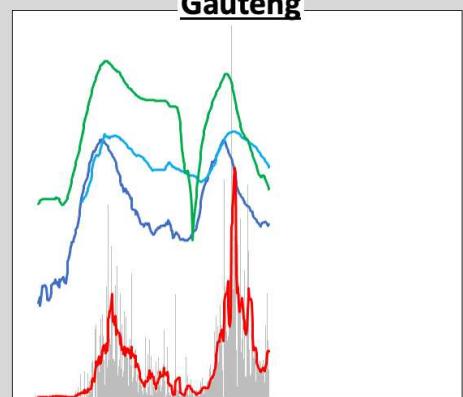
E/Cape



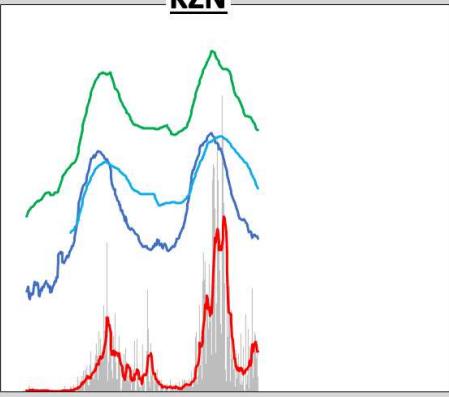
Free State



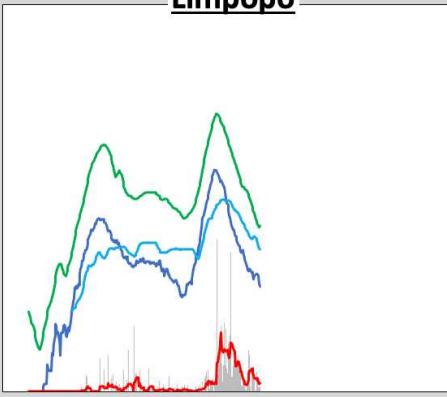
Gauteng



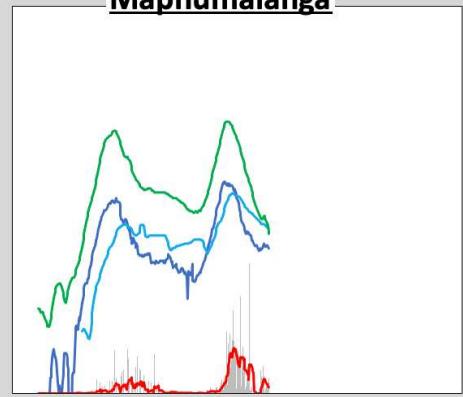
KZN



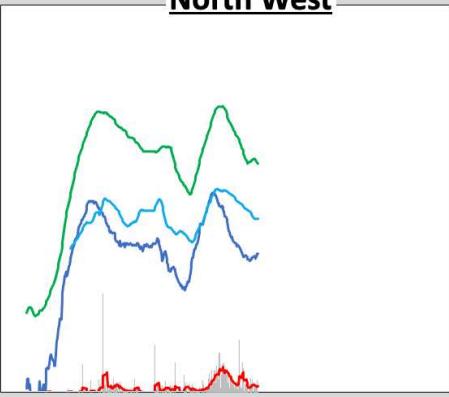
Limpopo



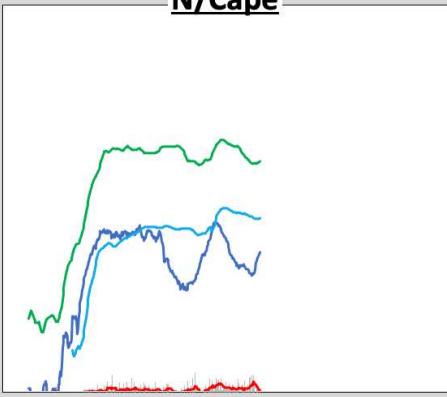
Maphumalanga



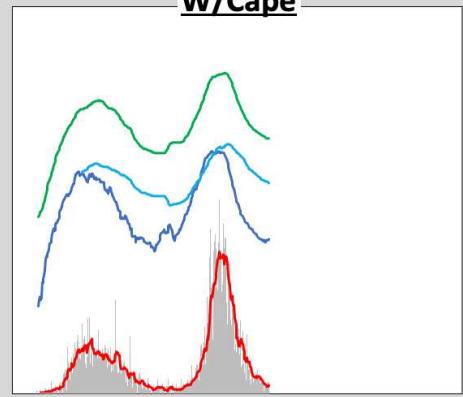
North West



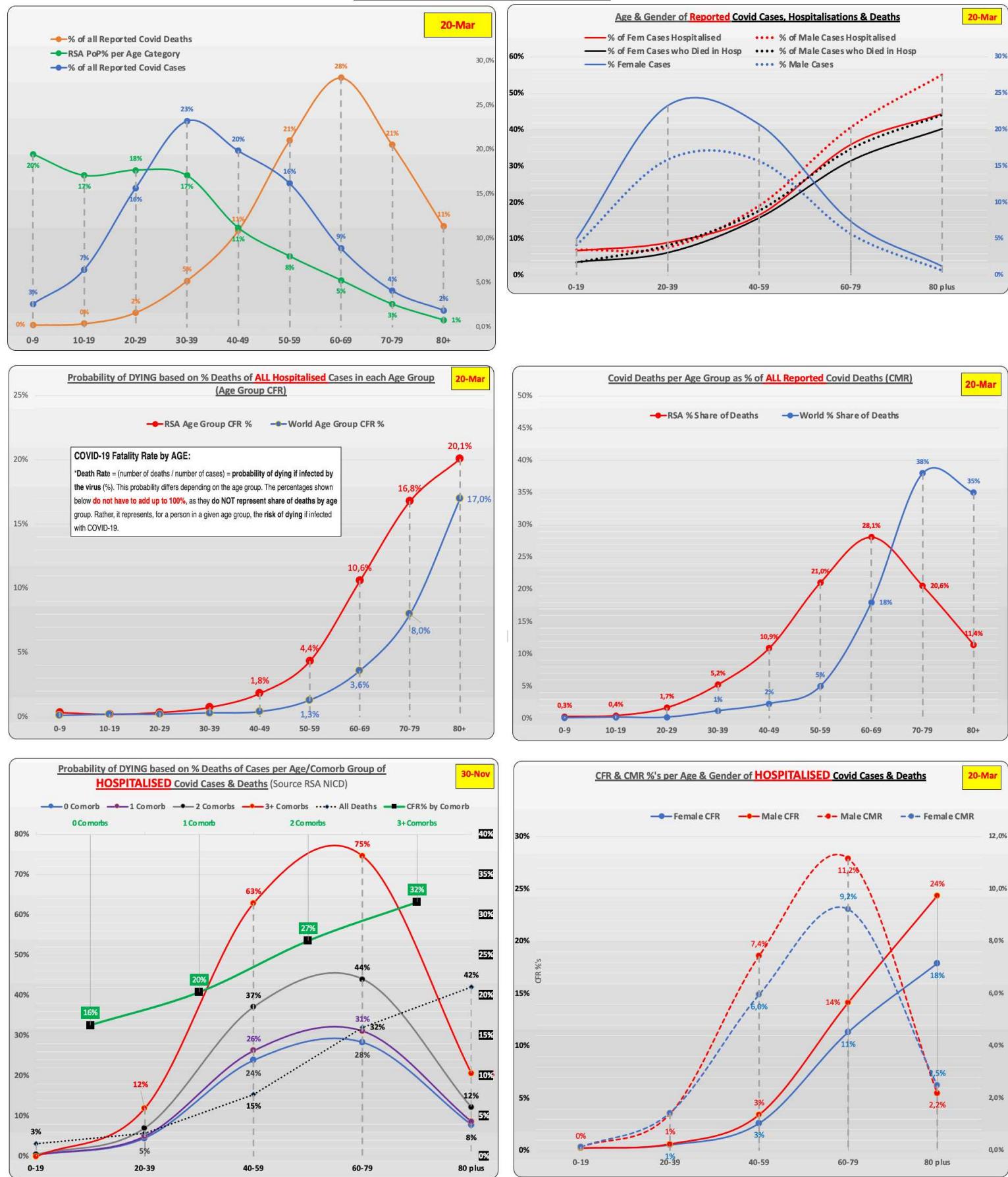
N/Cape



W/Cape



RSA Age & Gender Stats



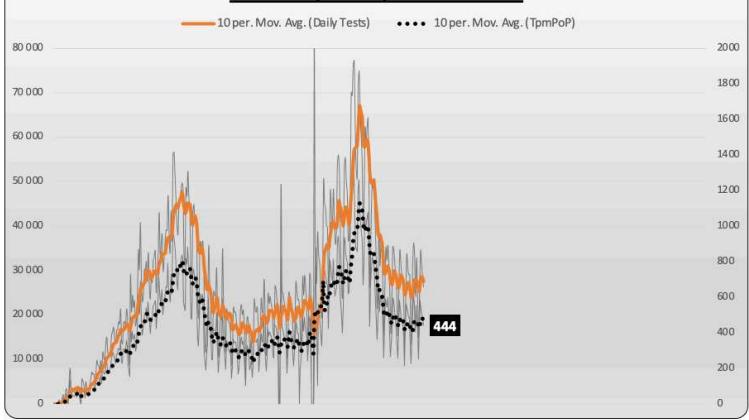
Data as at: As indicated per graph

hdg 21 March 2021

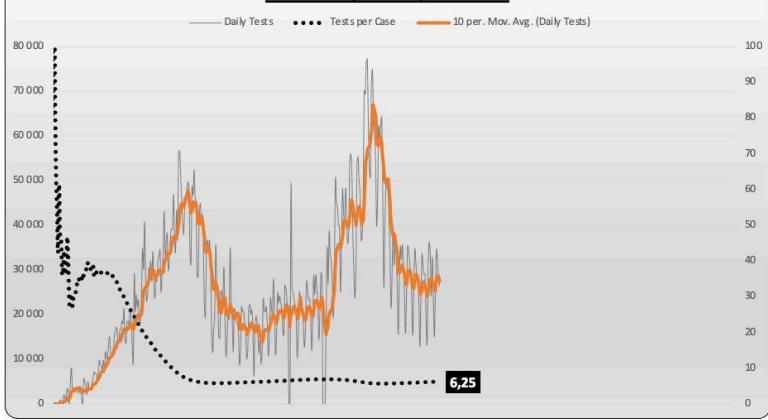
RSA Key Ratios & Comparators

Page 5.4

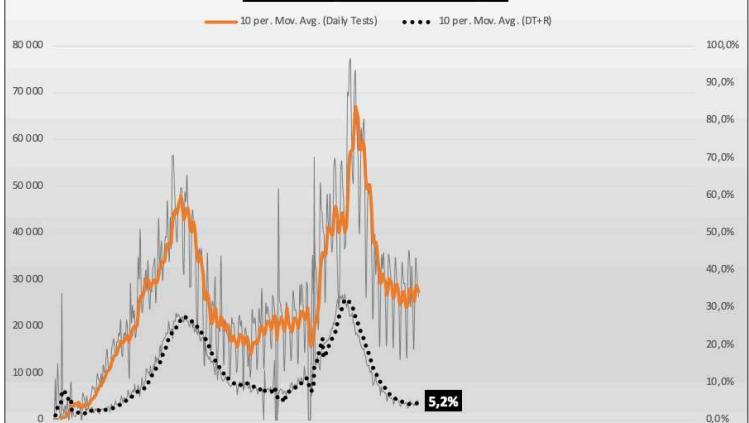
RSA: Daily Tests per million PoP



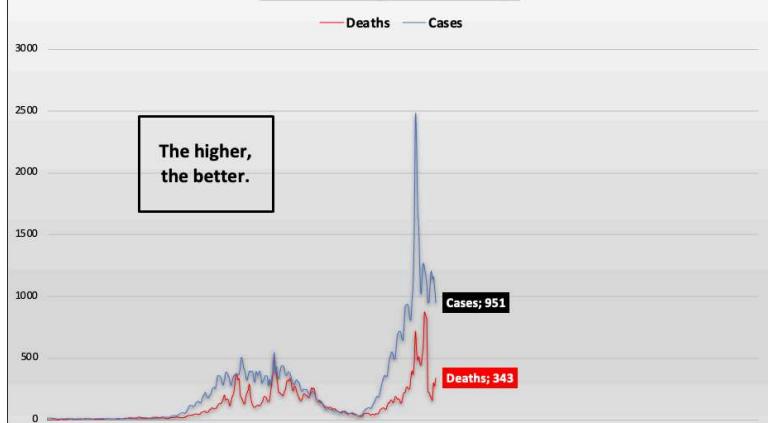
RSA: Daily Tests per +Case



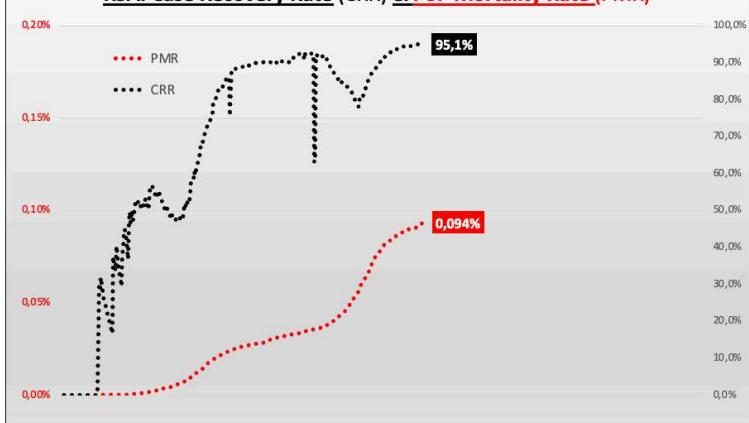
RSA: Daily Tests Positivity %



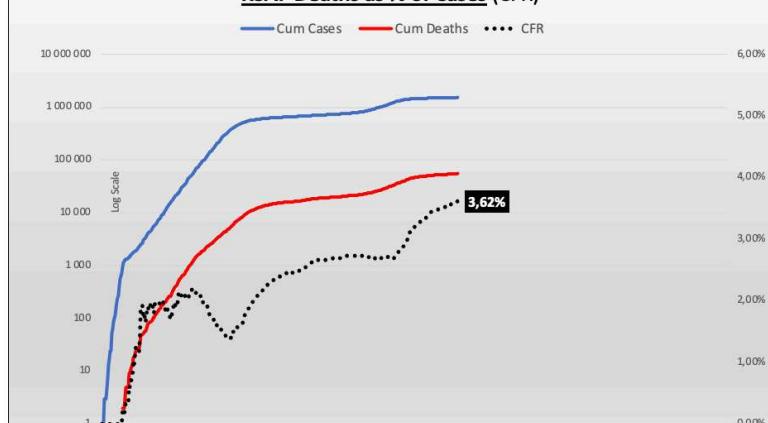
RSA Doubling Times in Days



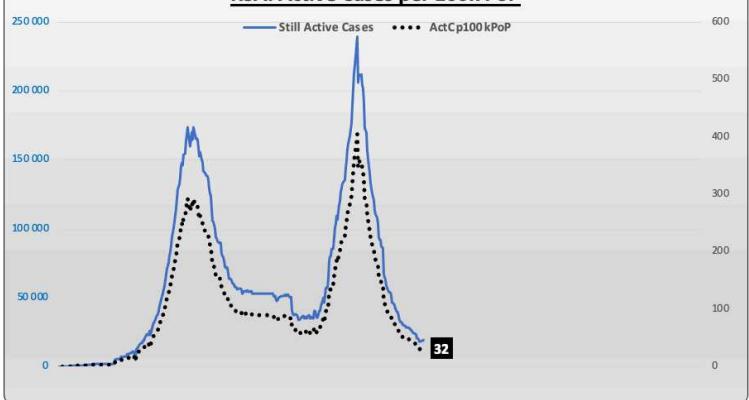
RSA: Case Recovery Rate (CRR) & Pop Mortality Rate (PMR)



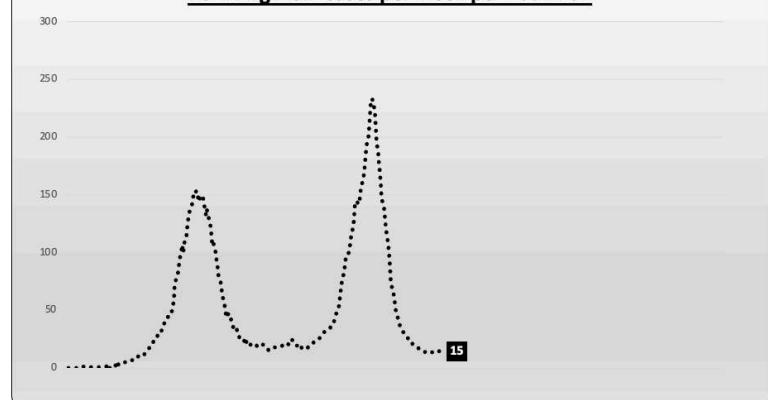
RSA: Deaths as % of Cases (CFR)



RSA: Active Cases per 100k PoP



RSA: Avg New Cases per week per 100k PoP



Data as at:

21 March 2021

Unless otherwise indicated

hdg

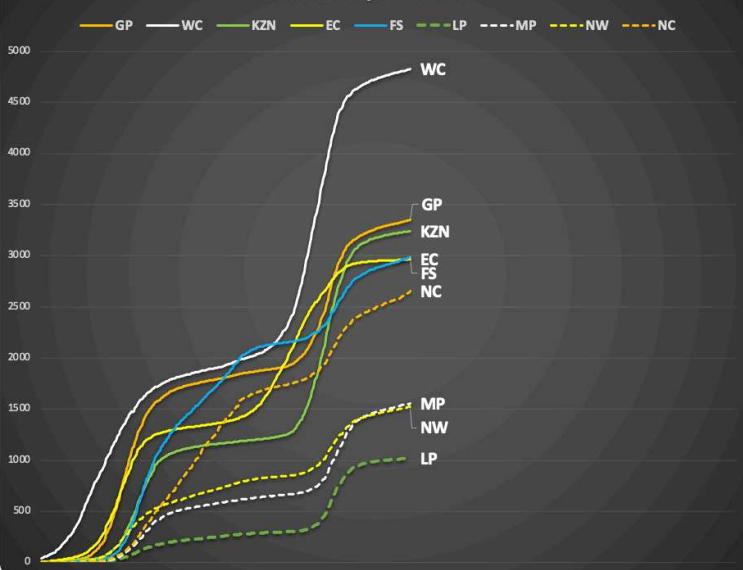
21 March 2021

RSA & Provinces Key Data Sets

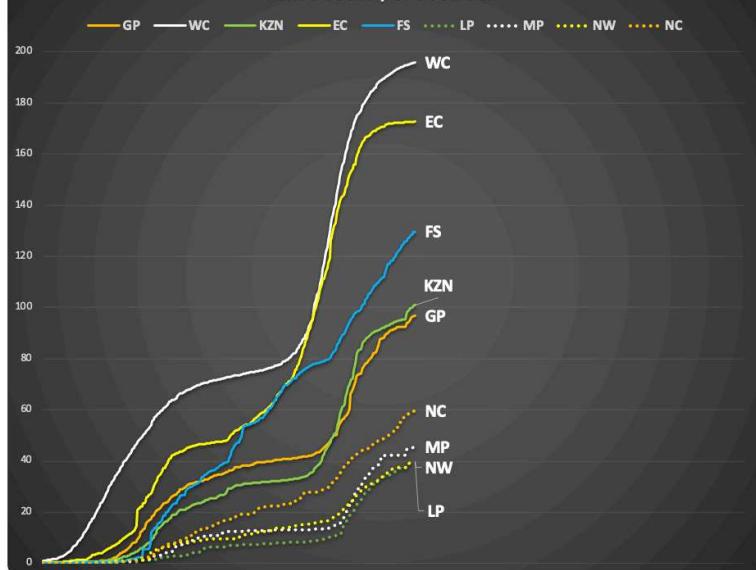
Page 5.5

All linear scales

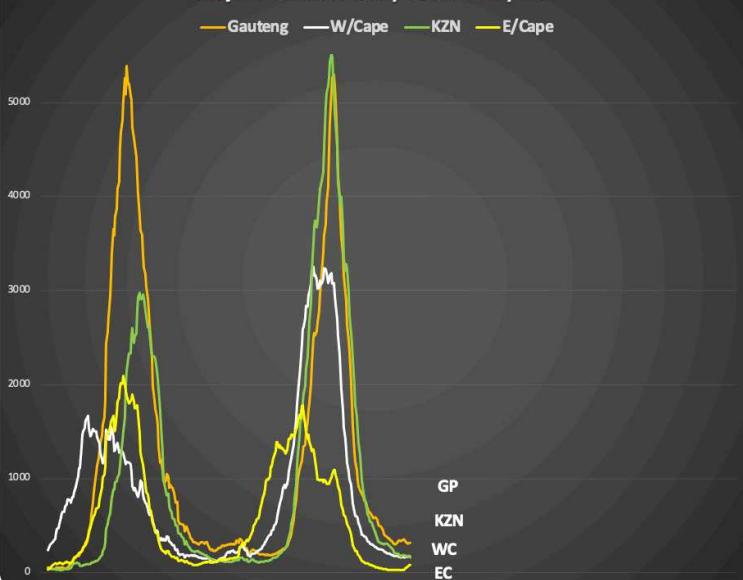
Cum Cases per 100k PoP



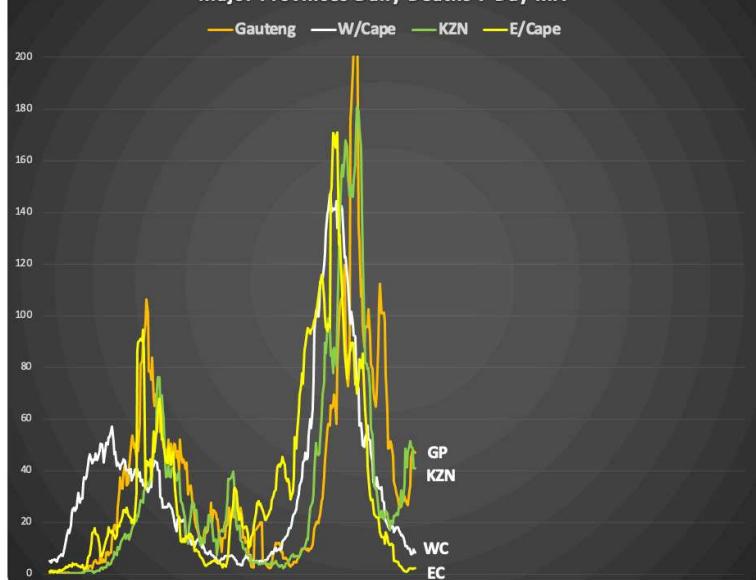
Cum Deaths per 100k PoP



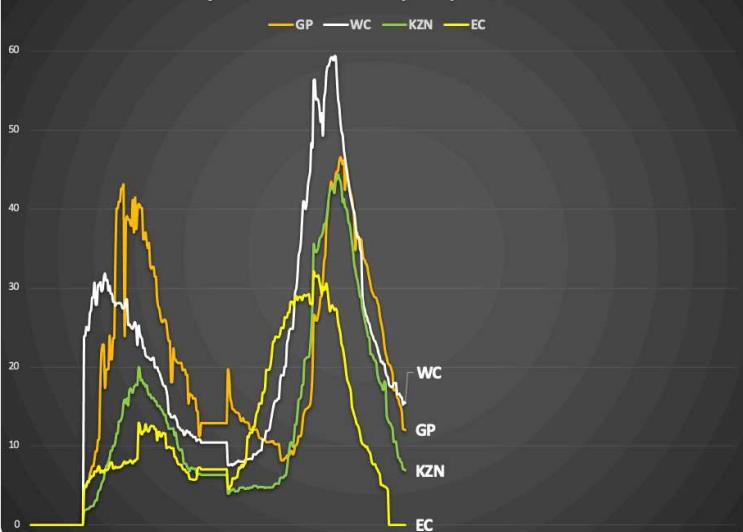
Major Provinces Daily Cases 7 Day MA



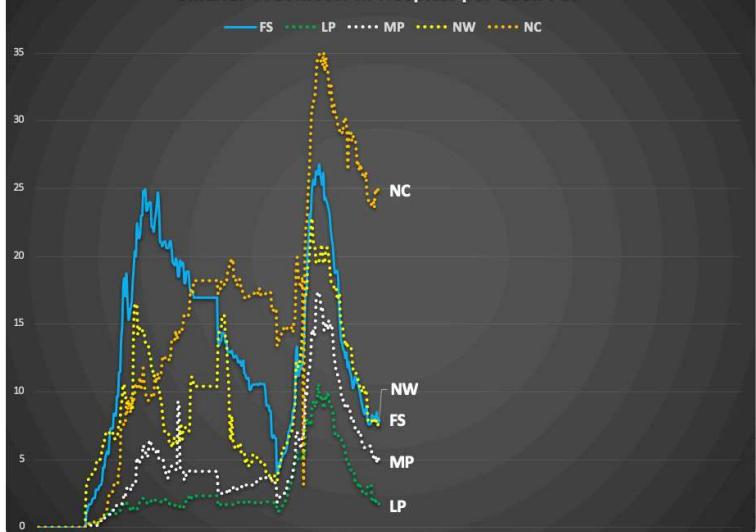
Major Provinces Daily Deaths 7 Day MA



Major Provinces: In Hospital per 100k PoP



Smaller Provinces: In Hospital per 100k PoP



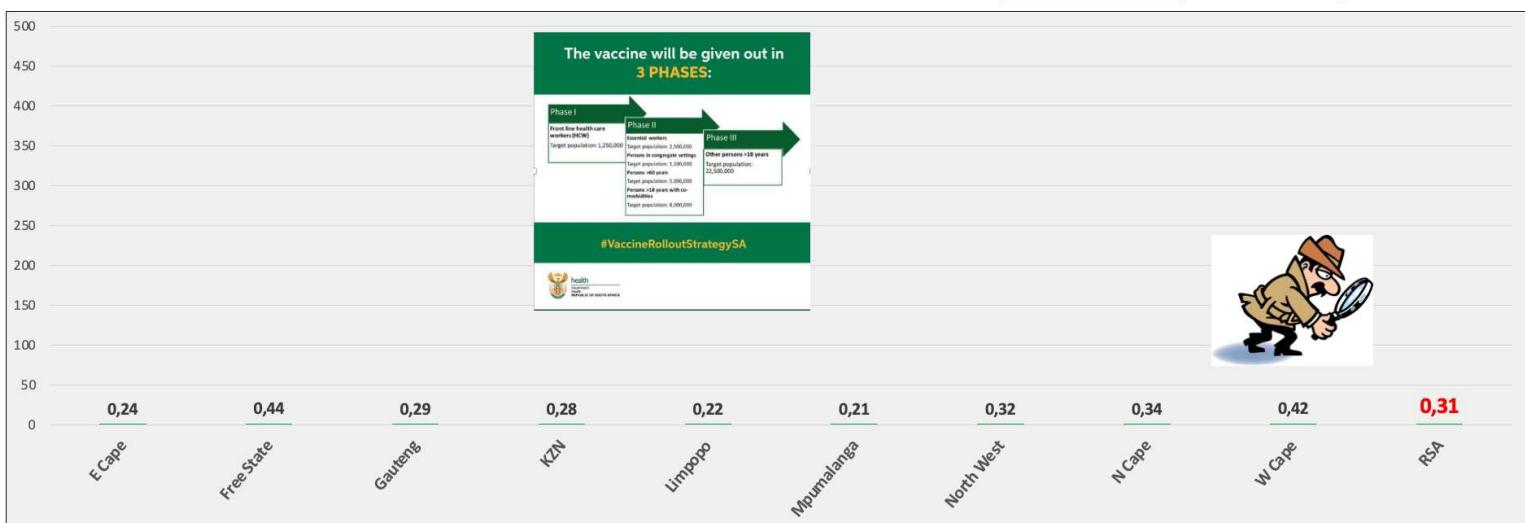
Data as at:

21 March 2021

Unless otherwise indicated

hdg

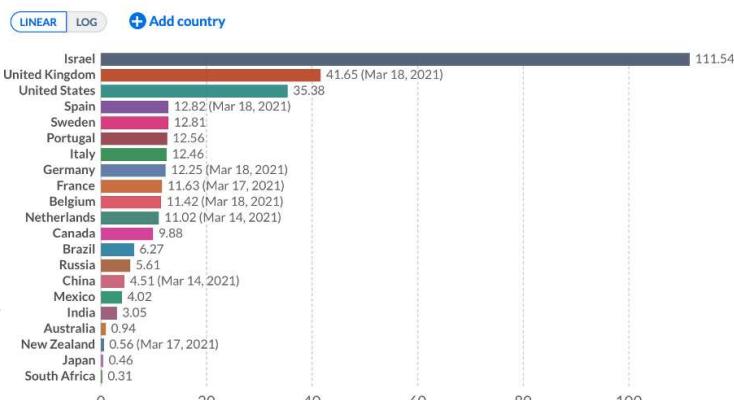
21 March 2021



Selected countries who publish their VAC data :

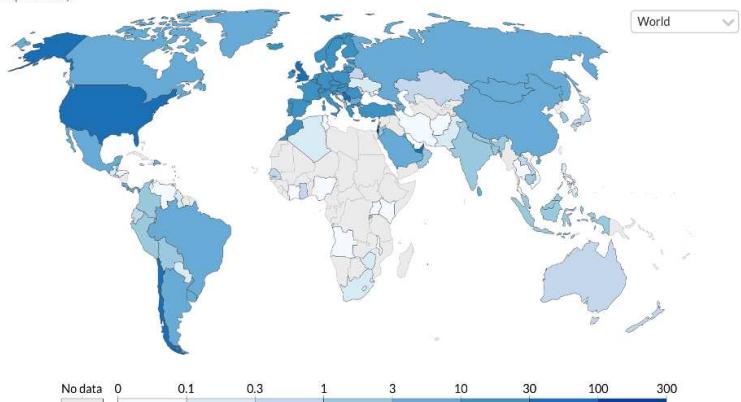
COVID-19 vaccine doses administered per 100 people, Mar 19, 2021

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).

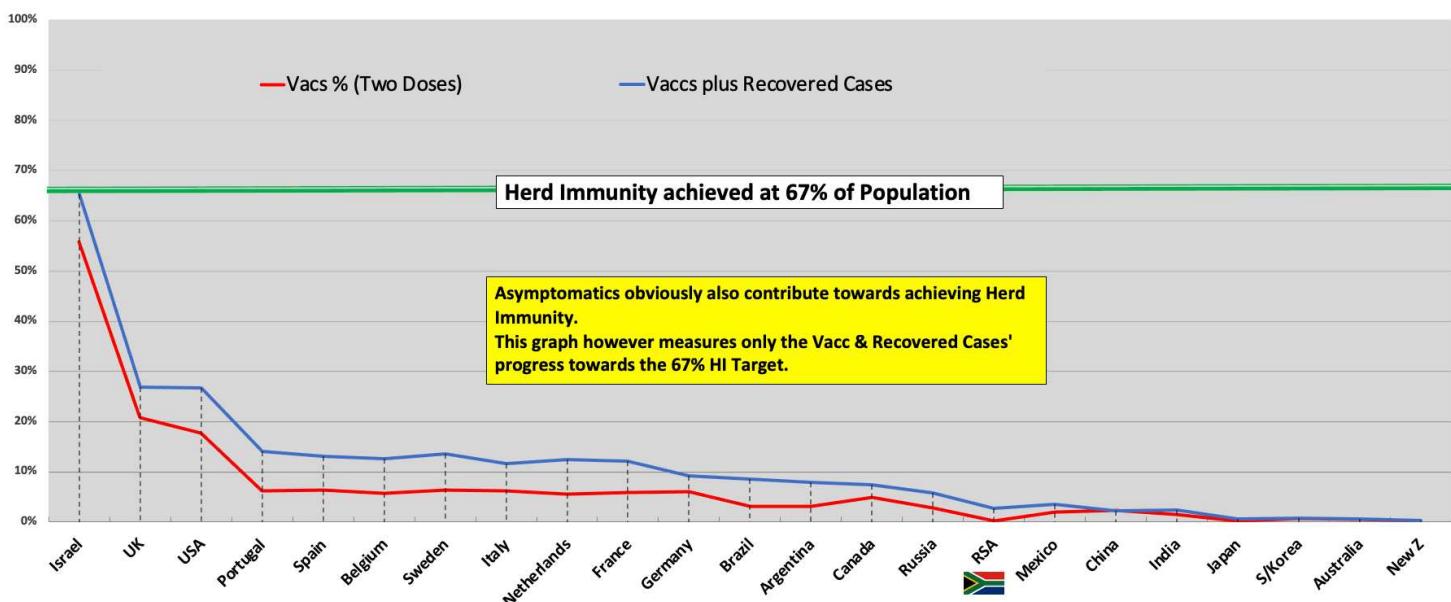


COVID-19 vaccine doses administered per 100 people, Mar 17, 2021

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) :

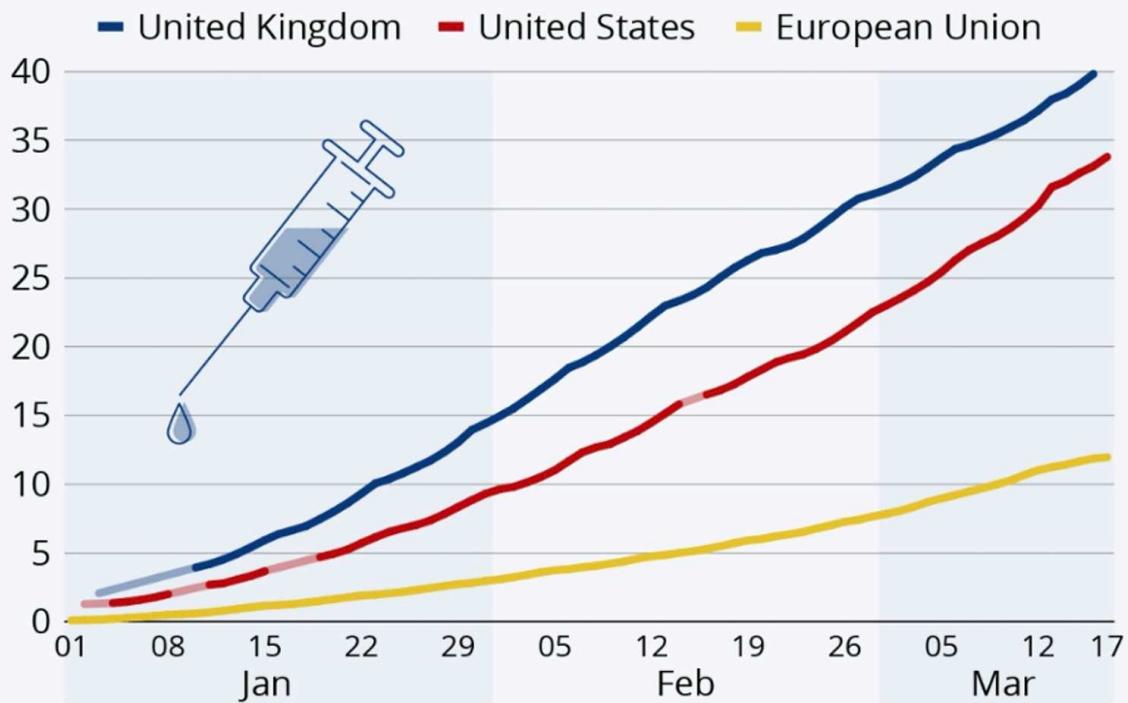


Some food for thought.....



EU Vaccine Rollout Severely Lags Behind

Total vaccine doses administered per 100 people



South Africa at: 0,31