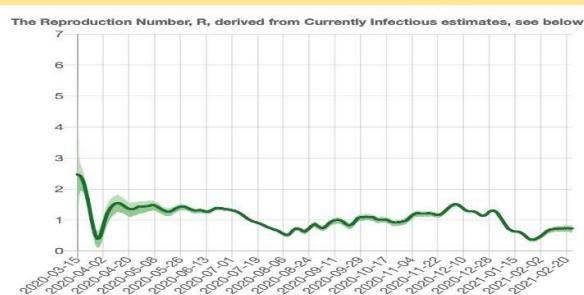
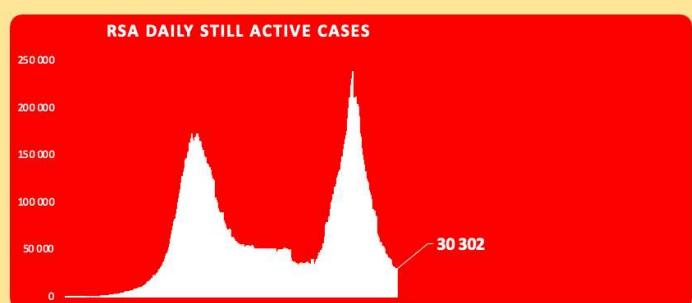
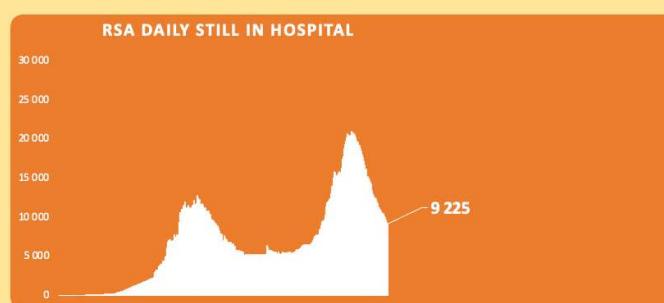
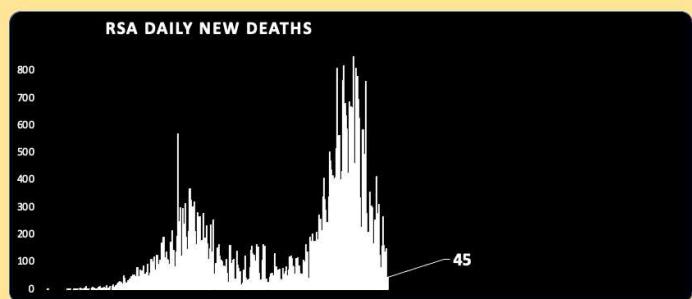
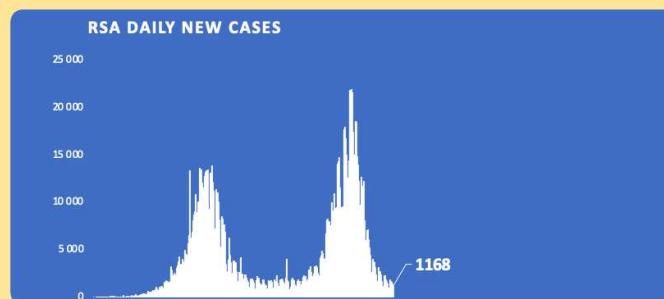
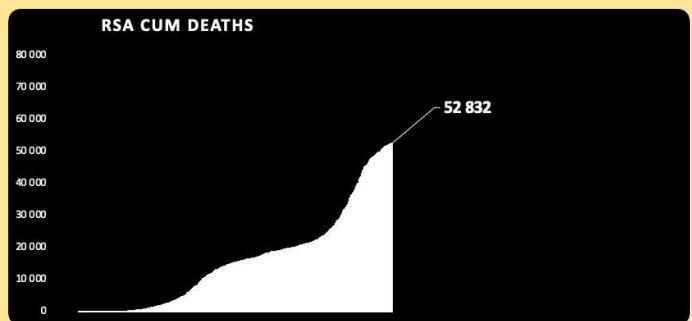


HarryG COVID-19 Dashboard

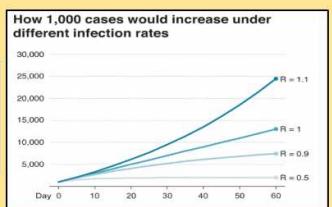
Cum +Cases		Daily Cases		RSA COVID-19 DASHBOARD		Daily Still in Hospitals	% of Reported Cum Cases who Died (CFR)	Cum Recoveries	
1 513 393		1 168	↓	01 March 2021		9225	3,49% →	1 430 259	94,5%
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP		Cum Deaths Daily			% of RSA PoP who have died to date (PMR)	% of RSA PoP Vaccinated & % Vacs + Recovered	
30 302 ↓	25 517	891		52 832	45		0,089%	0,06%	2,52%
Deaths Avg Age	Deaths Min Age	Deaths Max Age		Cases Deaths CFR		Vaccinations: Total to date & Past 24hrs	Deaths Median Age	Cum Tests	Daily Tests
62,3	0,2	105		57,8% 51,8% 2,87%	70527		60,7	9 077 479	22 836 ↑
Female : 57,8% 51,8% 2,87%		Male : 42,2% 48,2% 3,66%		3224				Daily Positivity Rate: 5,1%	
26-Feb									



RSA Rt

Prev 2 : .73
Prev 1 : .73
Latest : .73

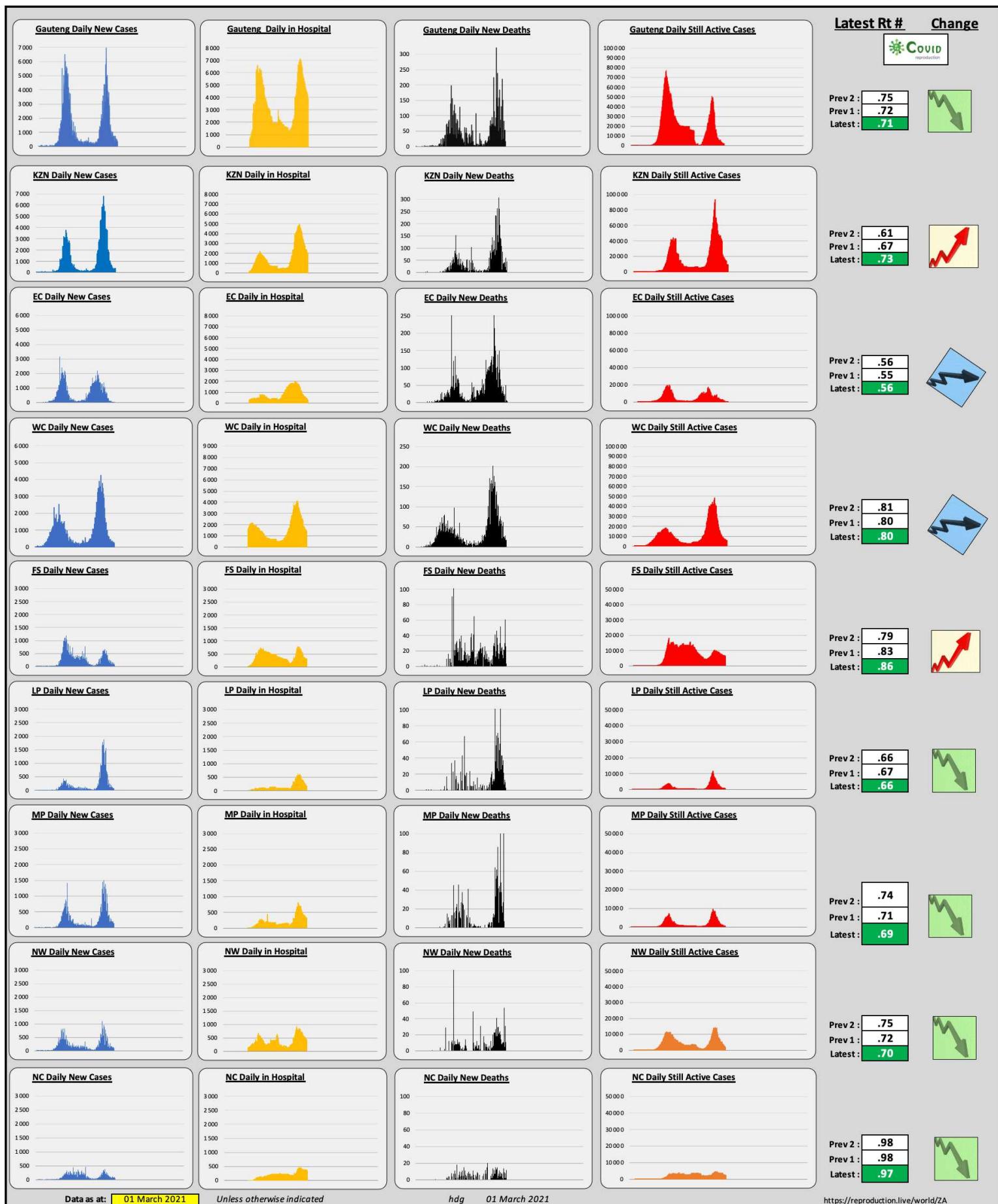
An R0 below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. An R0 above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.



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

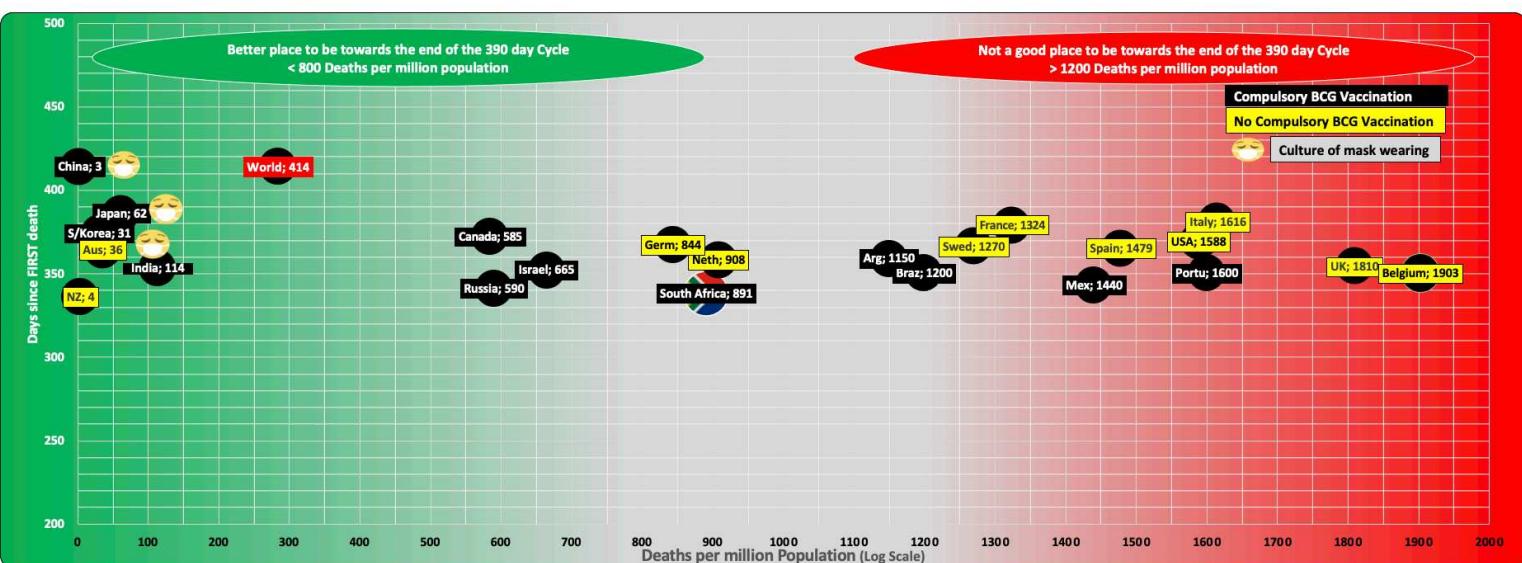
Page 1.1

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

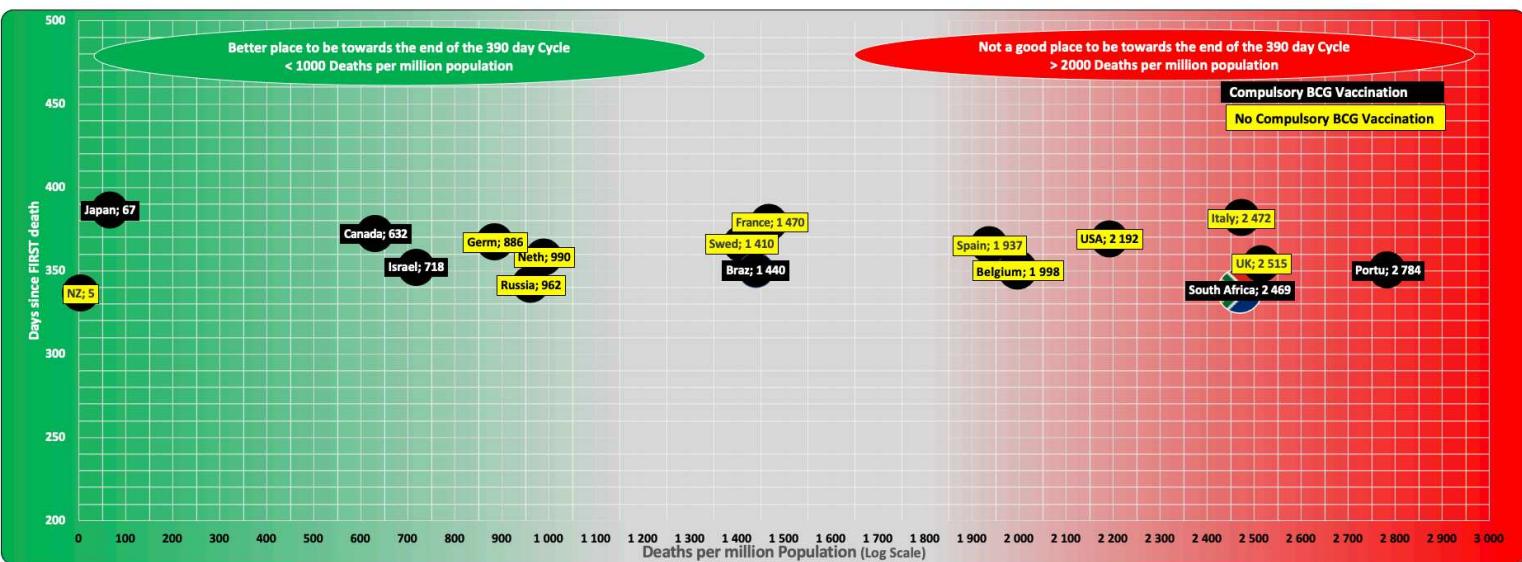


Selected Countries' Reported Deaths per mill PoP

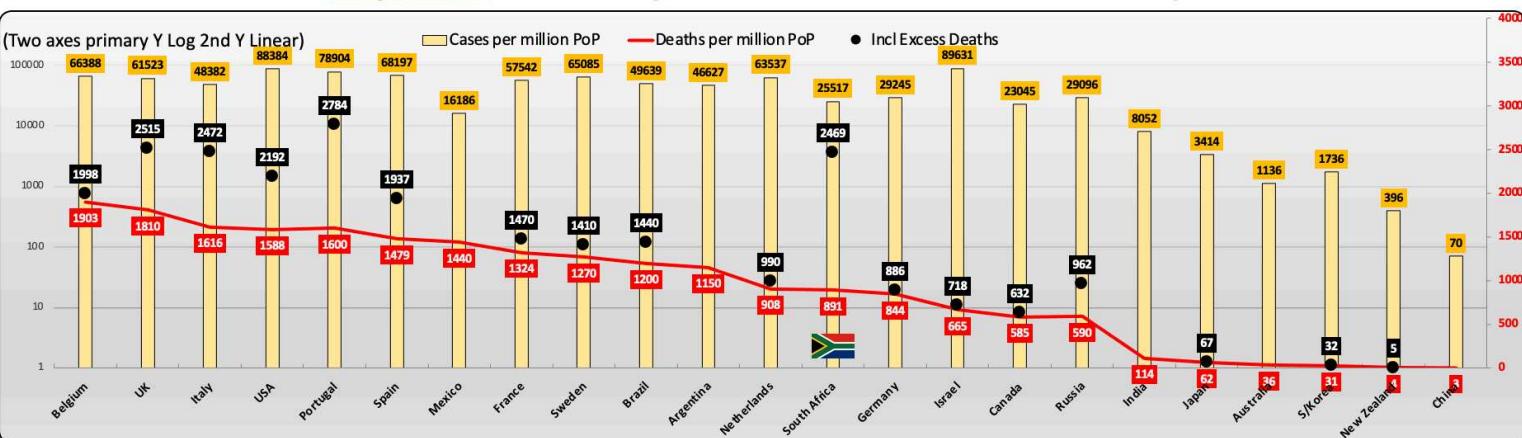
Page 2



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



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



Data as at: 28 February 2021

Unless otherwise indicated

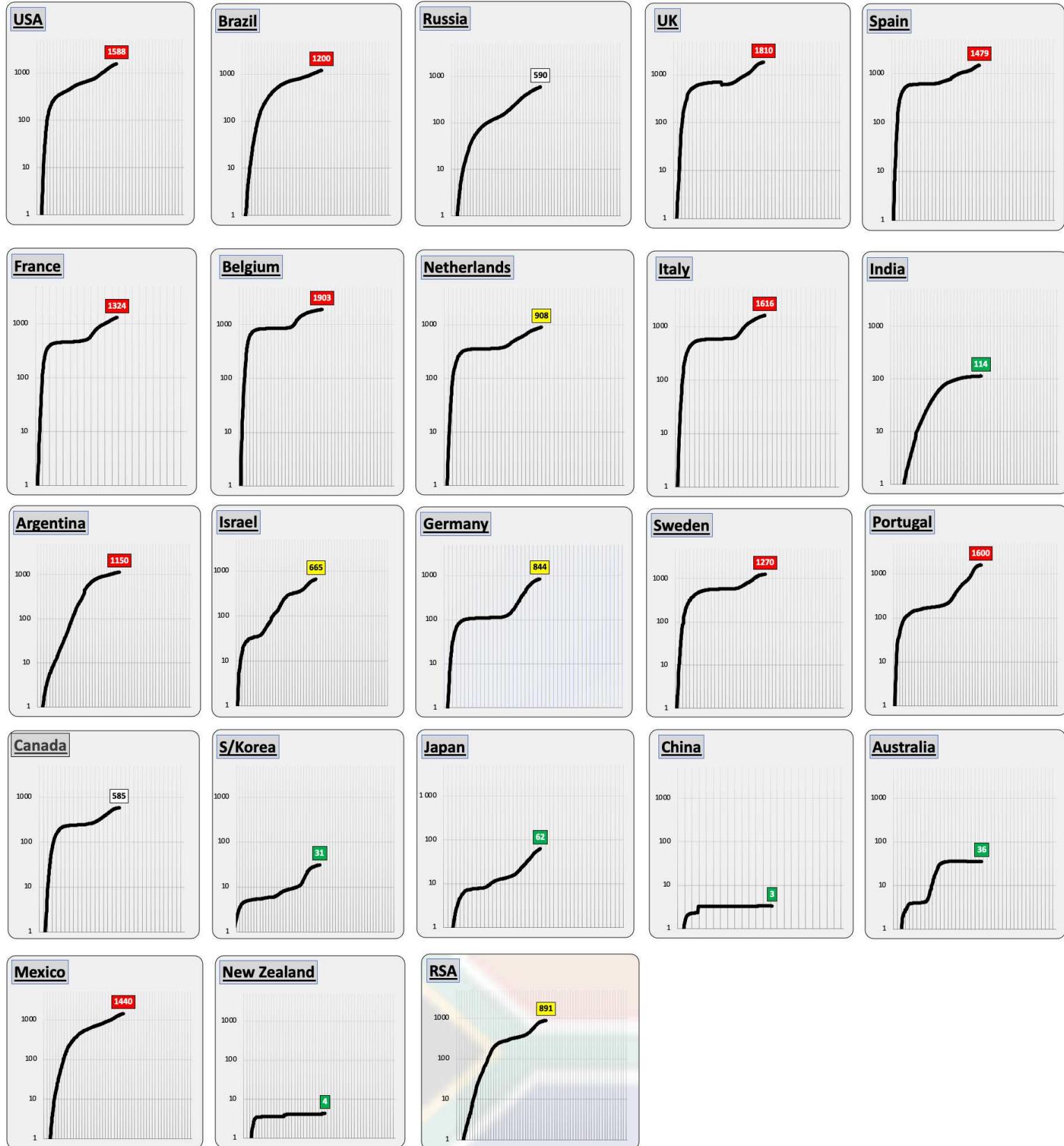
hdg 01 March 2021

Cum Reported Deaths per mill PoP for selected countries

All on same Log Scale (compare Apples with Apples)

Page 2.1

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



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

Peaked but still high

Page 2.2

Passed peak but could rebound OR next wave

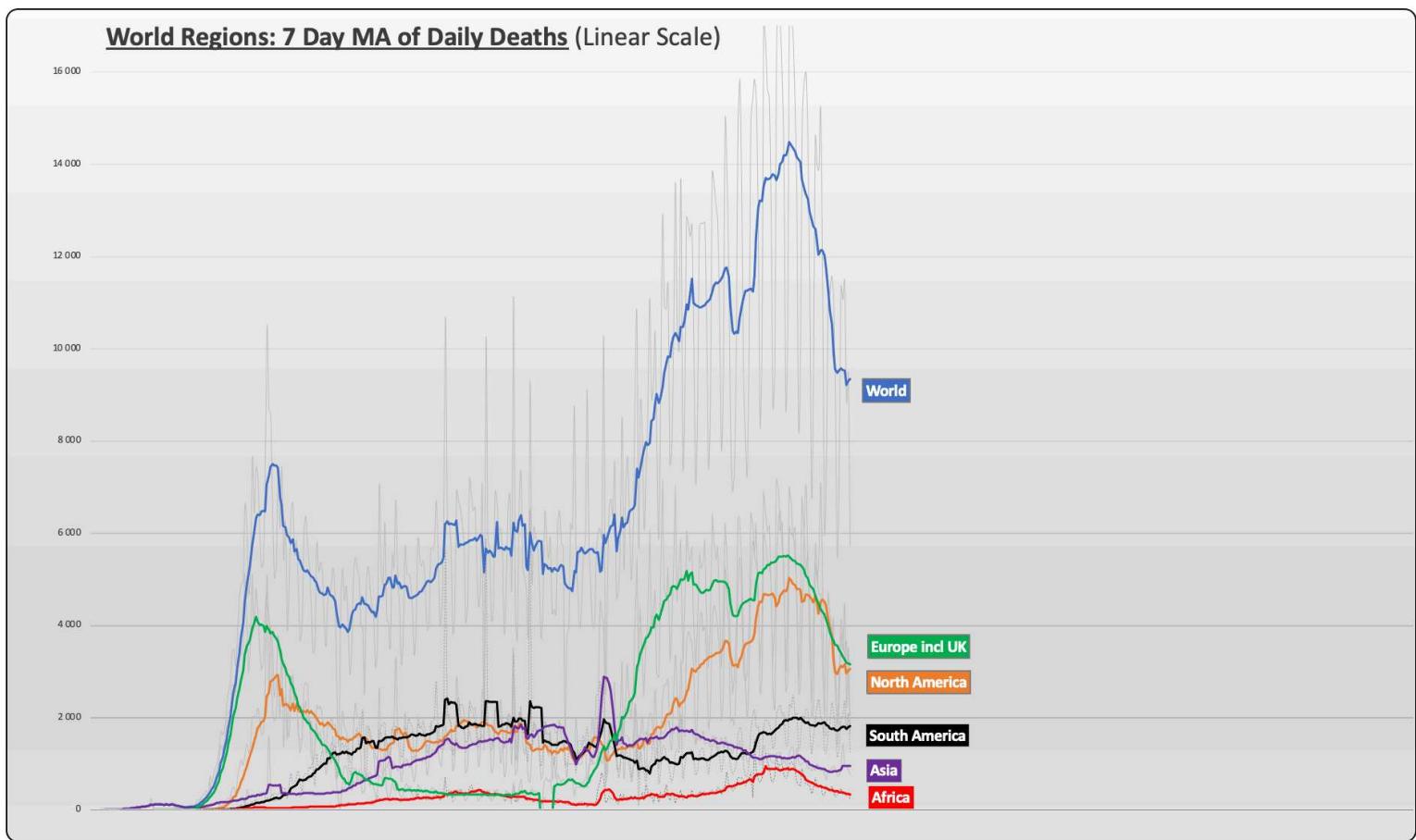
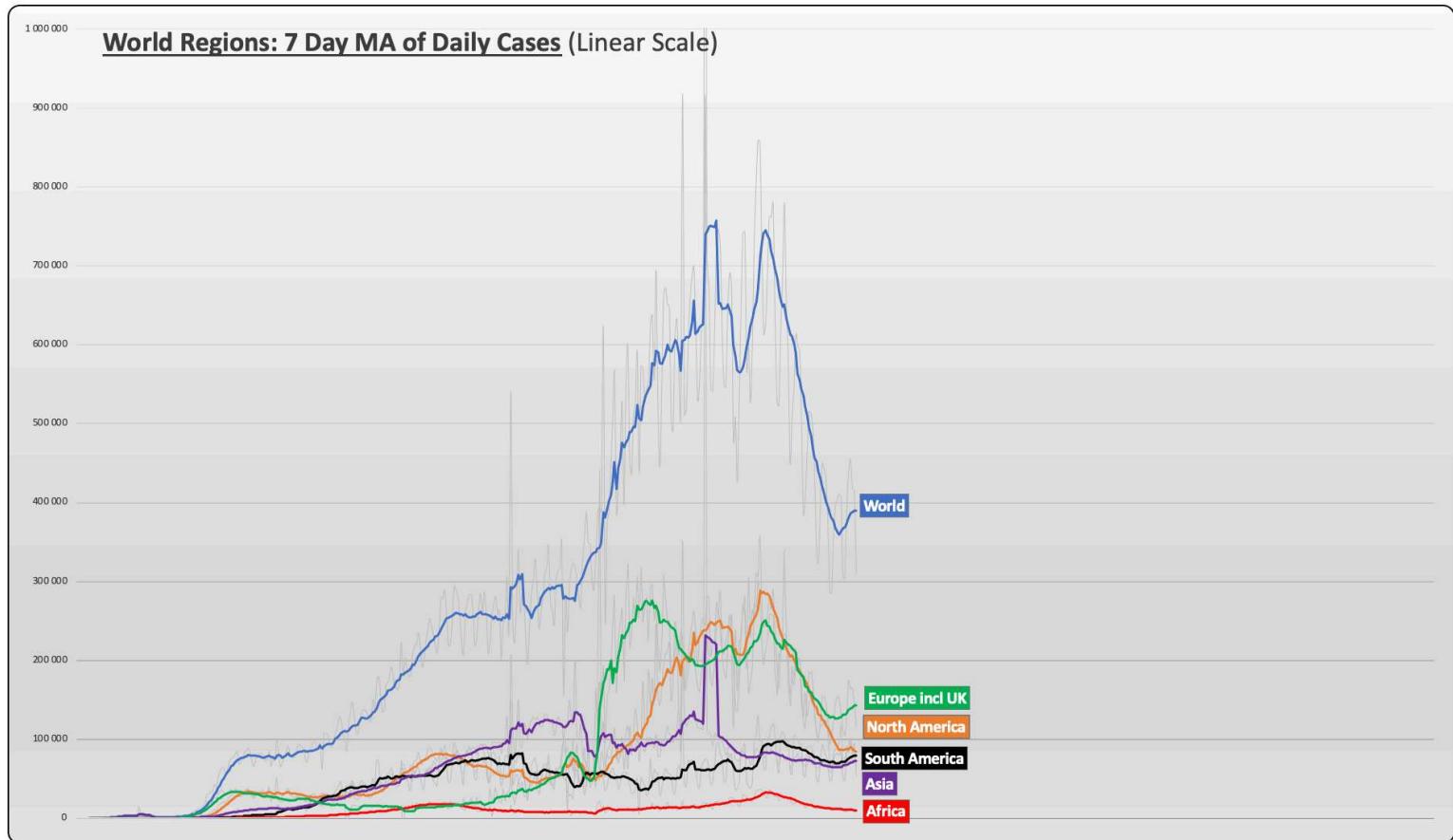
Well past peak, unlikely to rebound

Onset/1st wave Next waves

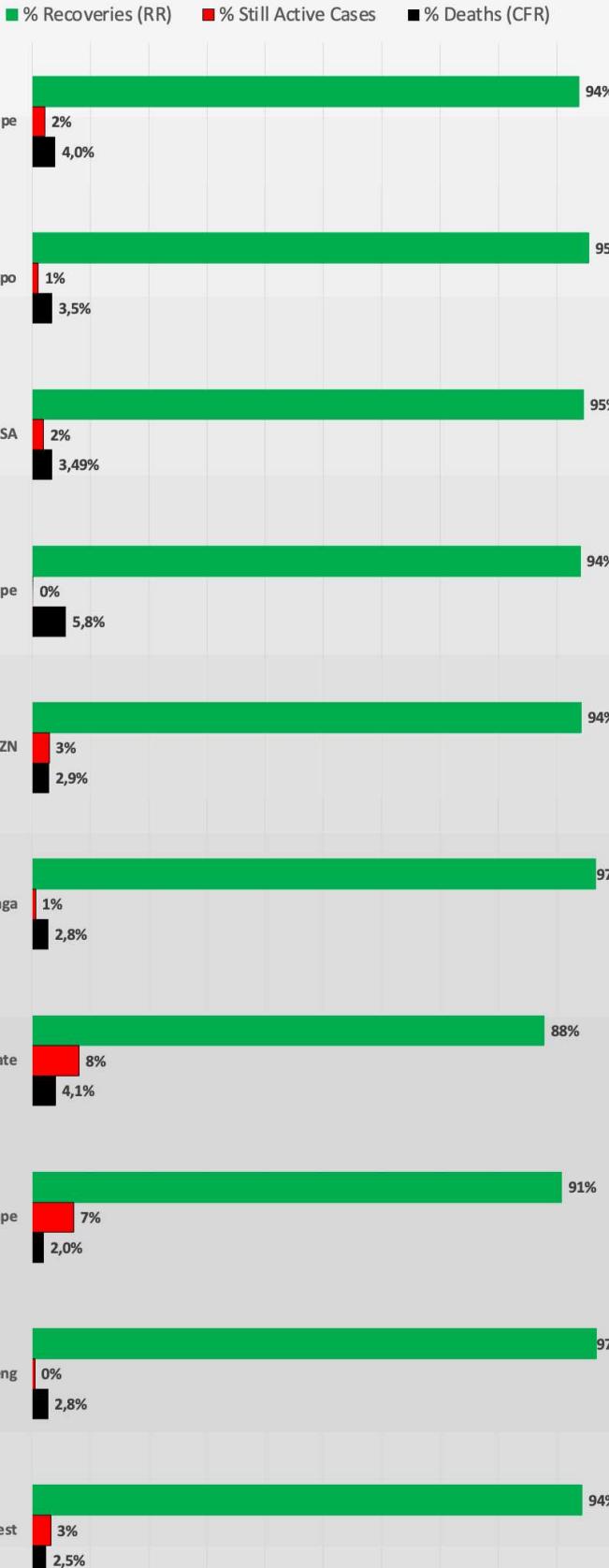


7 Day Moving Average of Daily Reported Deaths & Cases by World Region

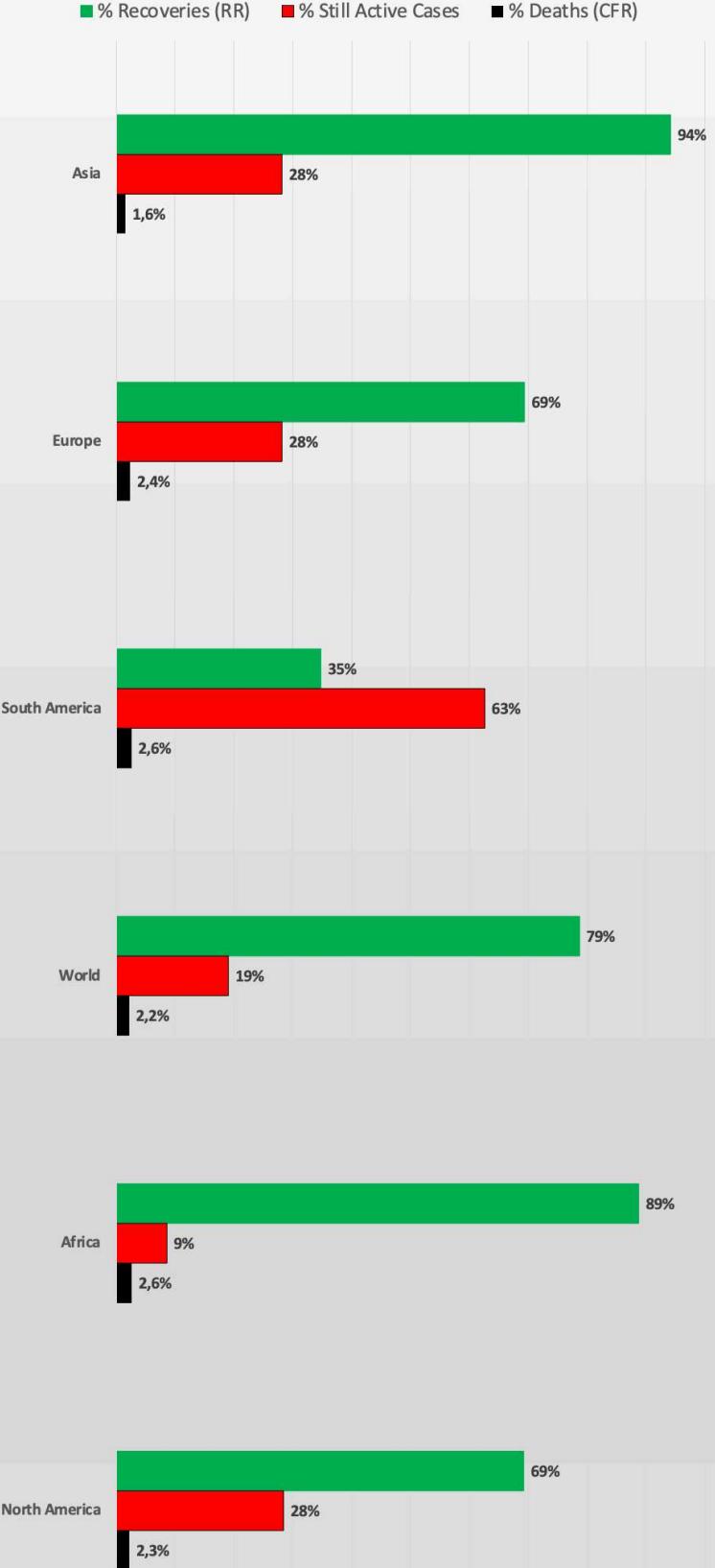
Page 3.0

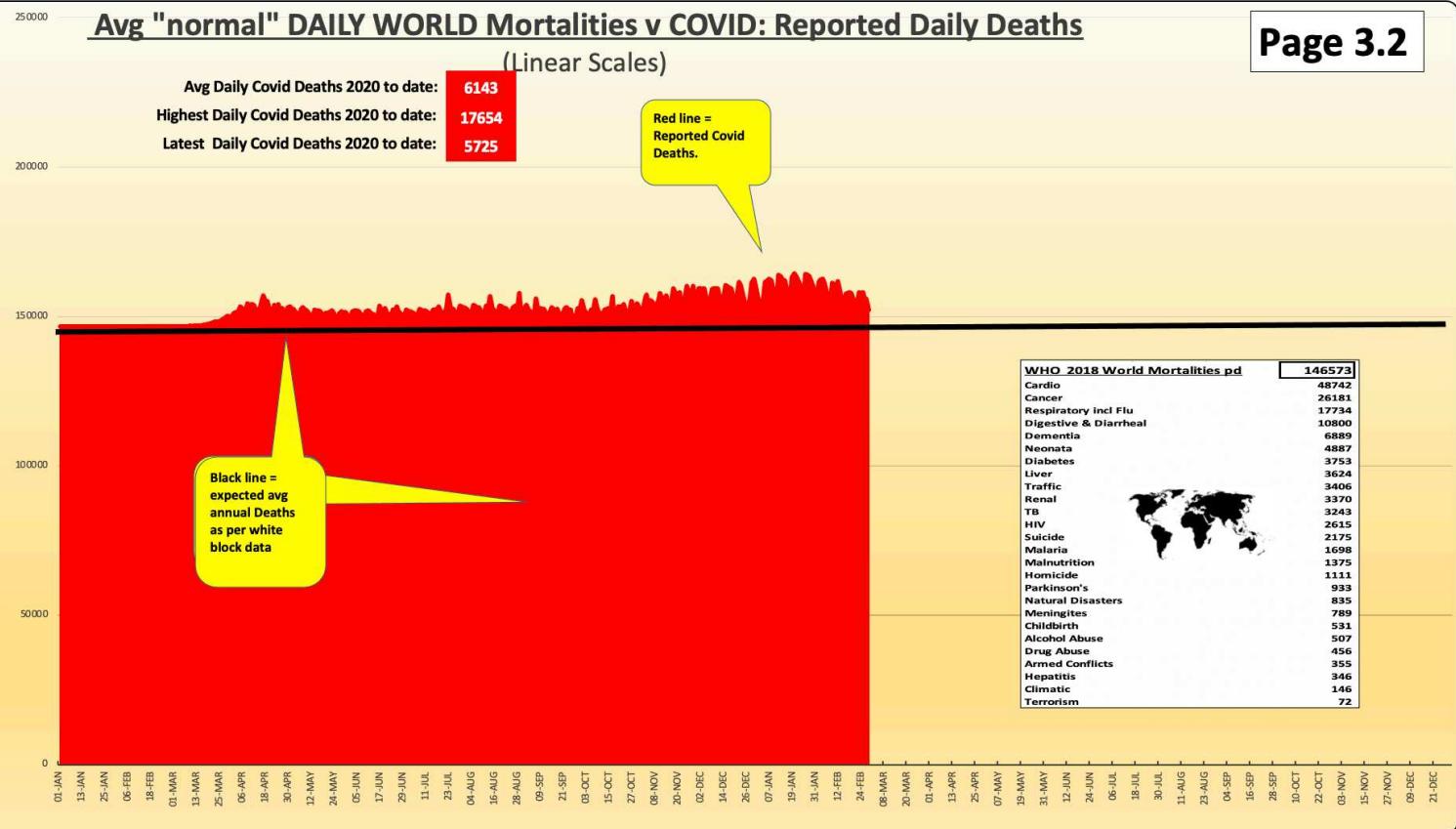


RSA Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases



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





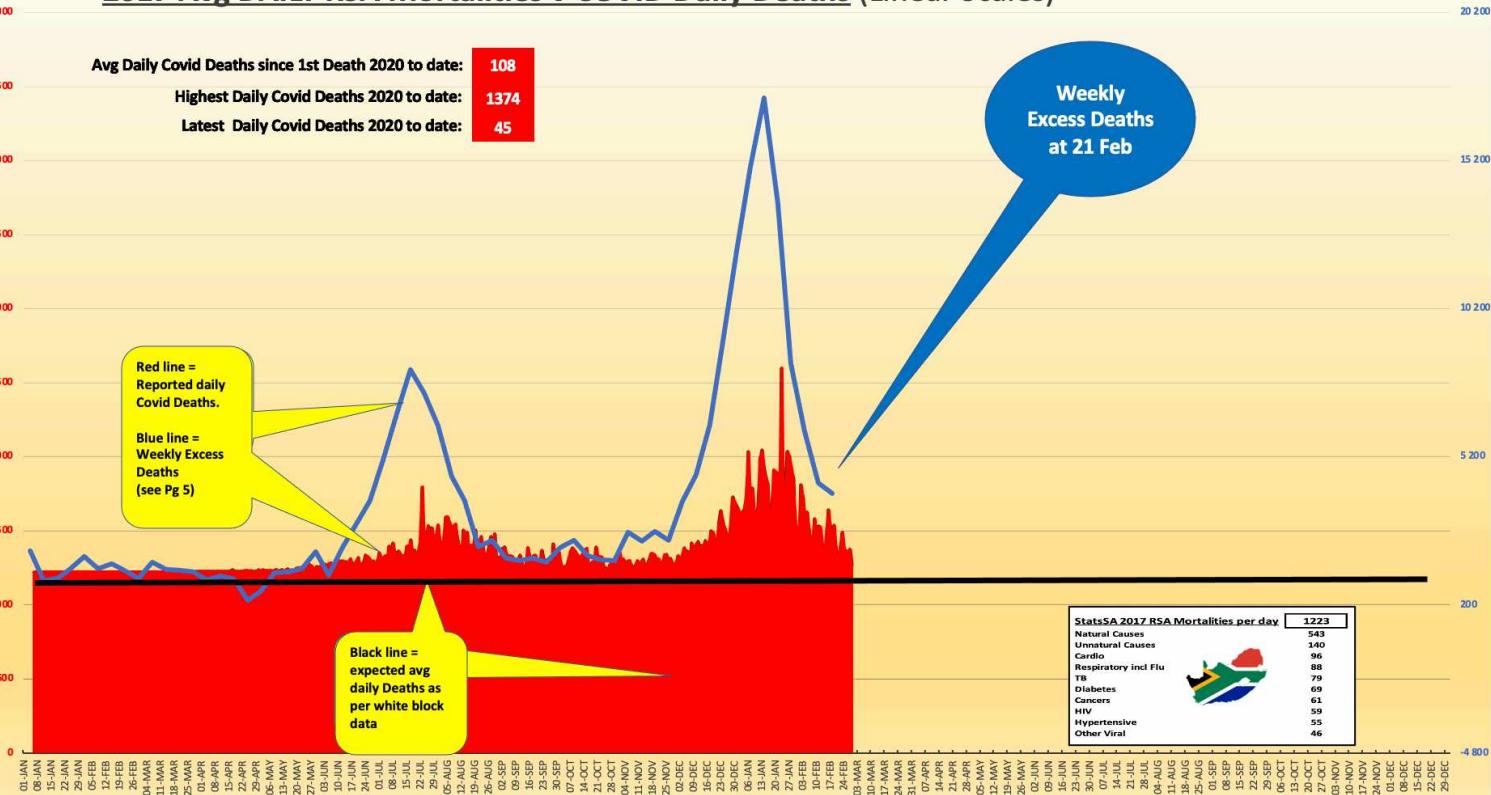
The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

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.

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

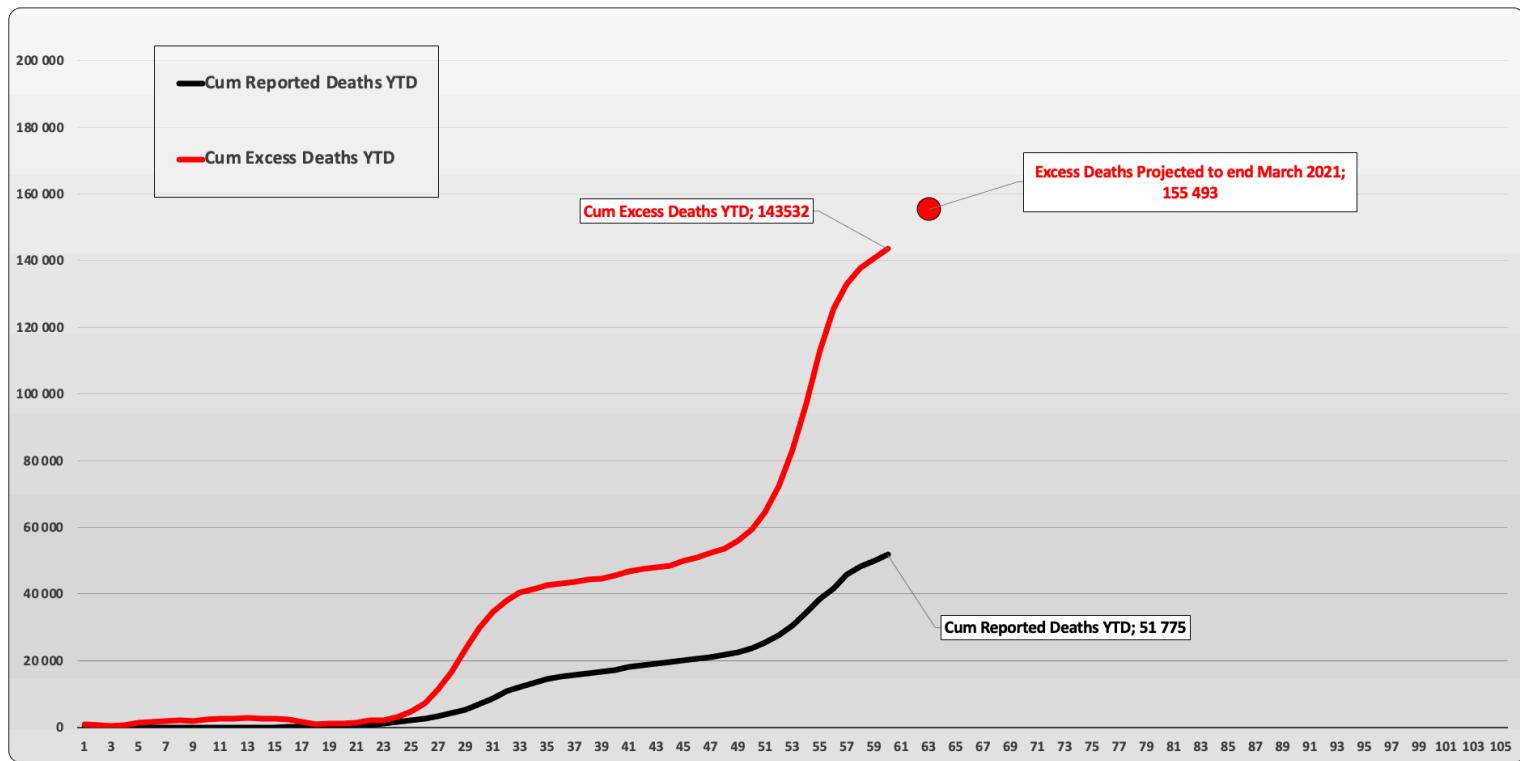


Covid Deaths: Reported and Excess Deaths

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: 14 February 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: 28 February 2021

Unless otherwise indicated

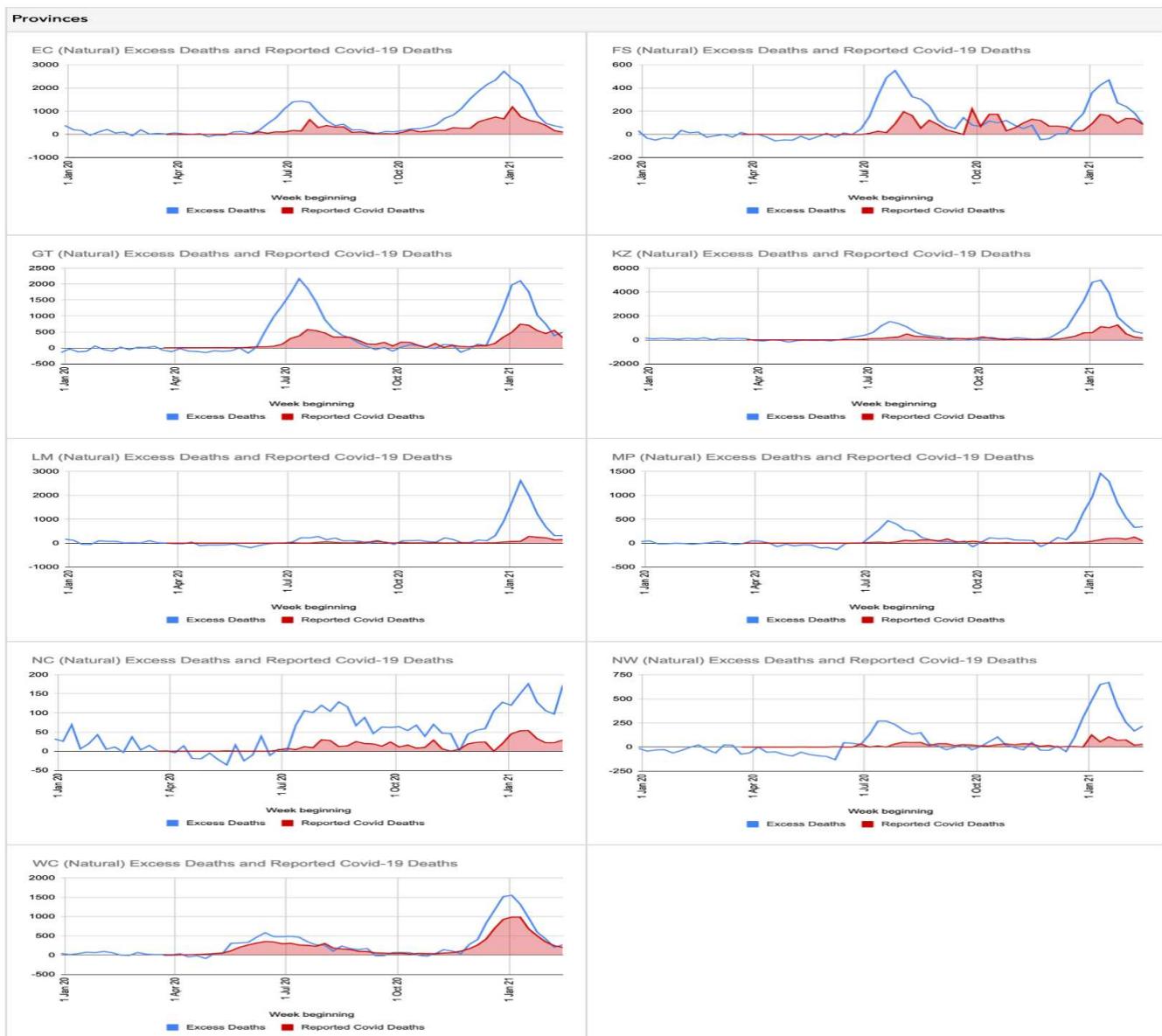
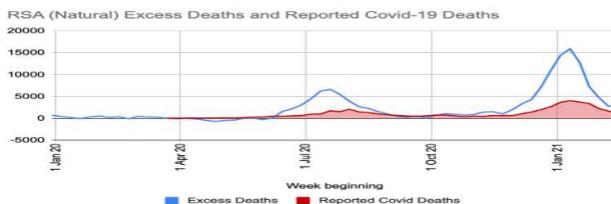
hdg 01 March 2021

RSA Excess Deaths as per SA Medical Research Council

Data as at:

21 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.



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).

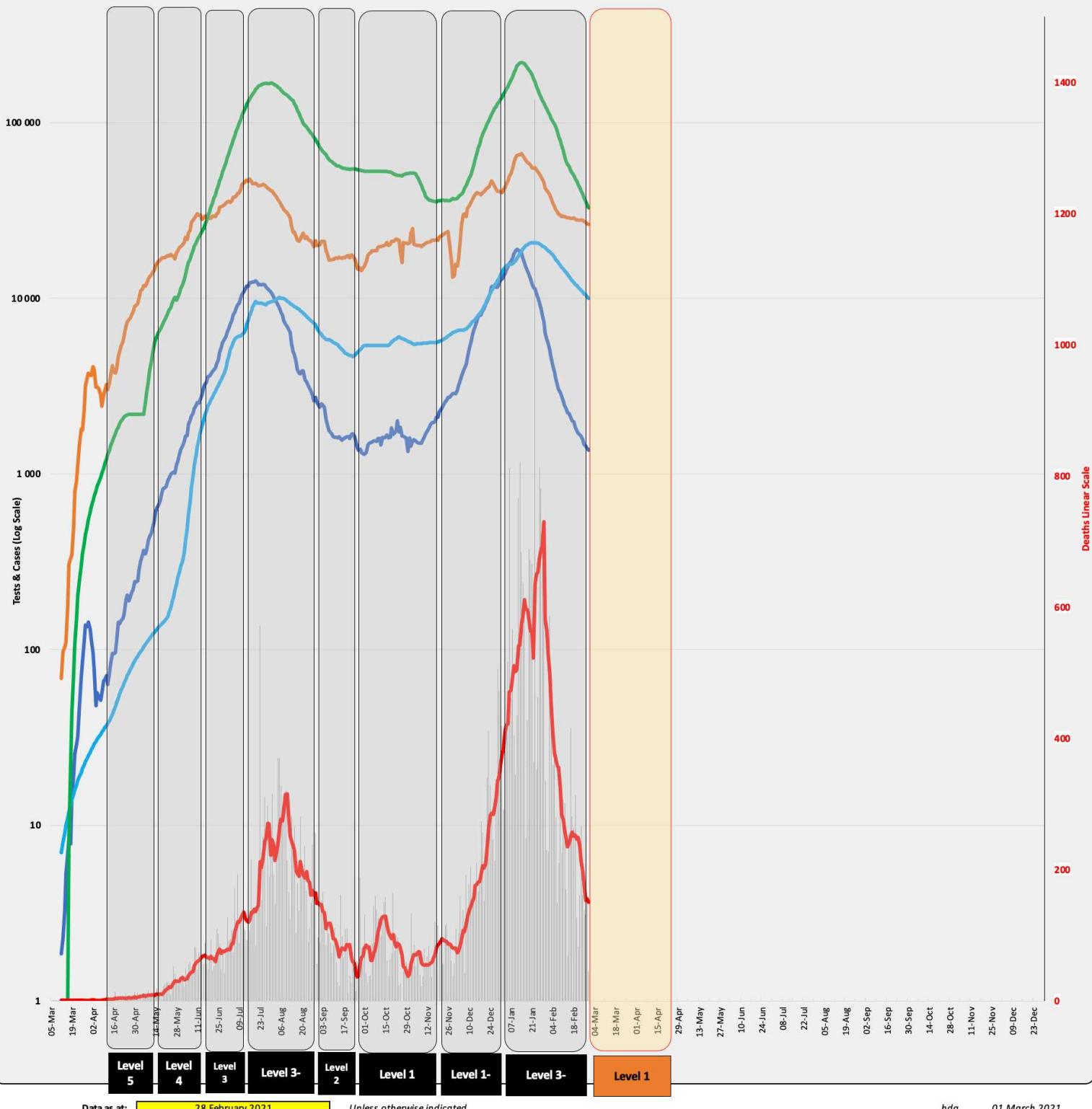
Data as at:

Latest Available

hdg 01 March 2021

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

Daily Tests Daily Cases In Hospital Active Cases Daily Deaths

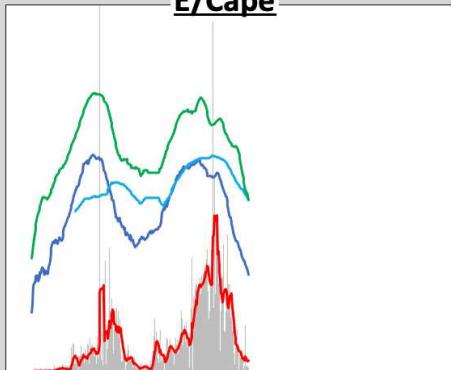


RSA Provinces Daily Cases/Hospitals/Actives/Deaths (7 Day MA)

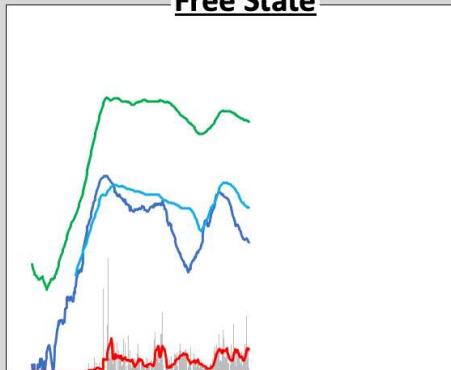
Page 5.2

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

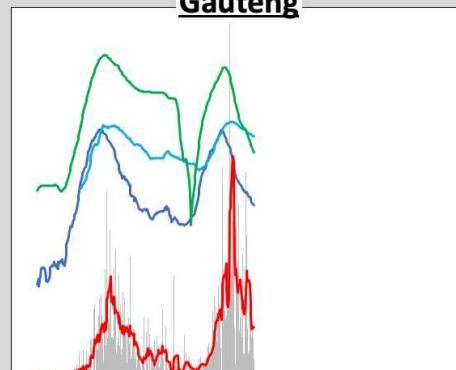
E/Cape



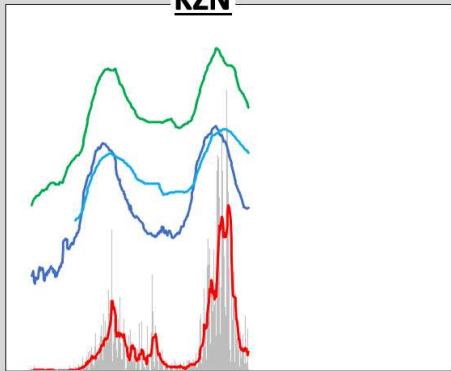
Free State



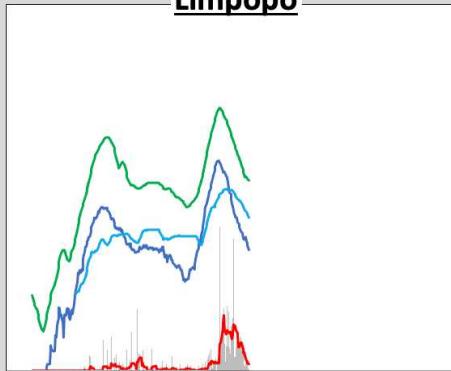
Gauteng



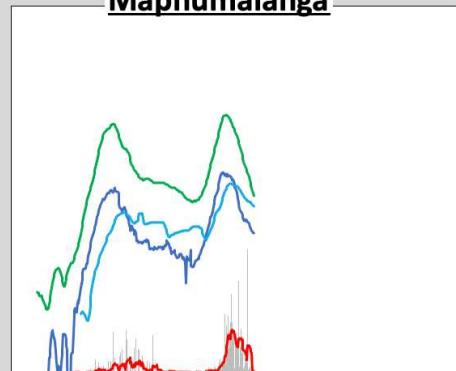
KZN



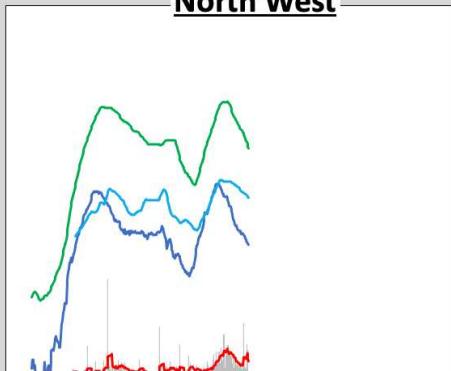
Limpopo



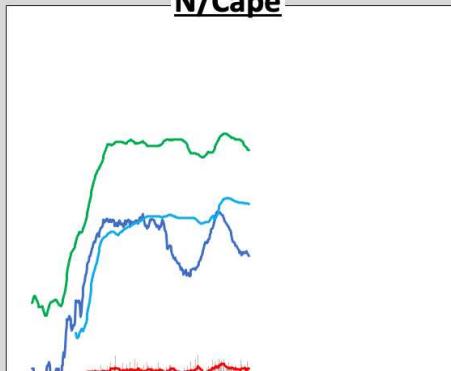
Maphumalanga



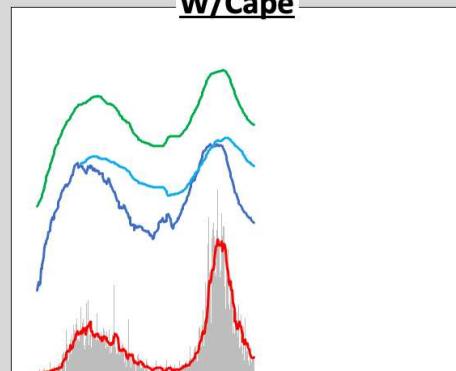
North West



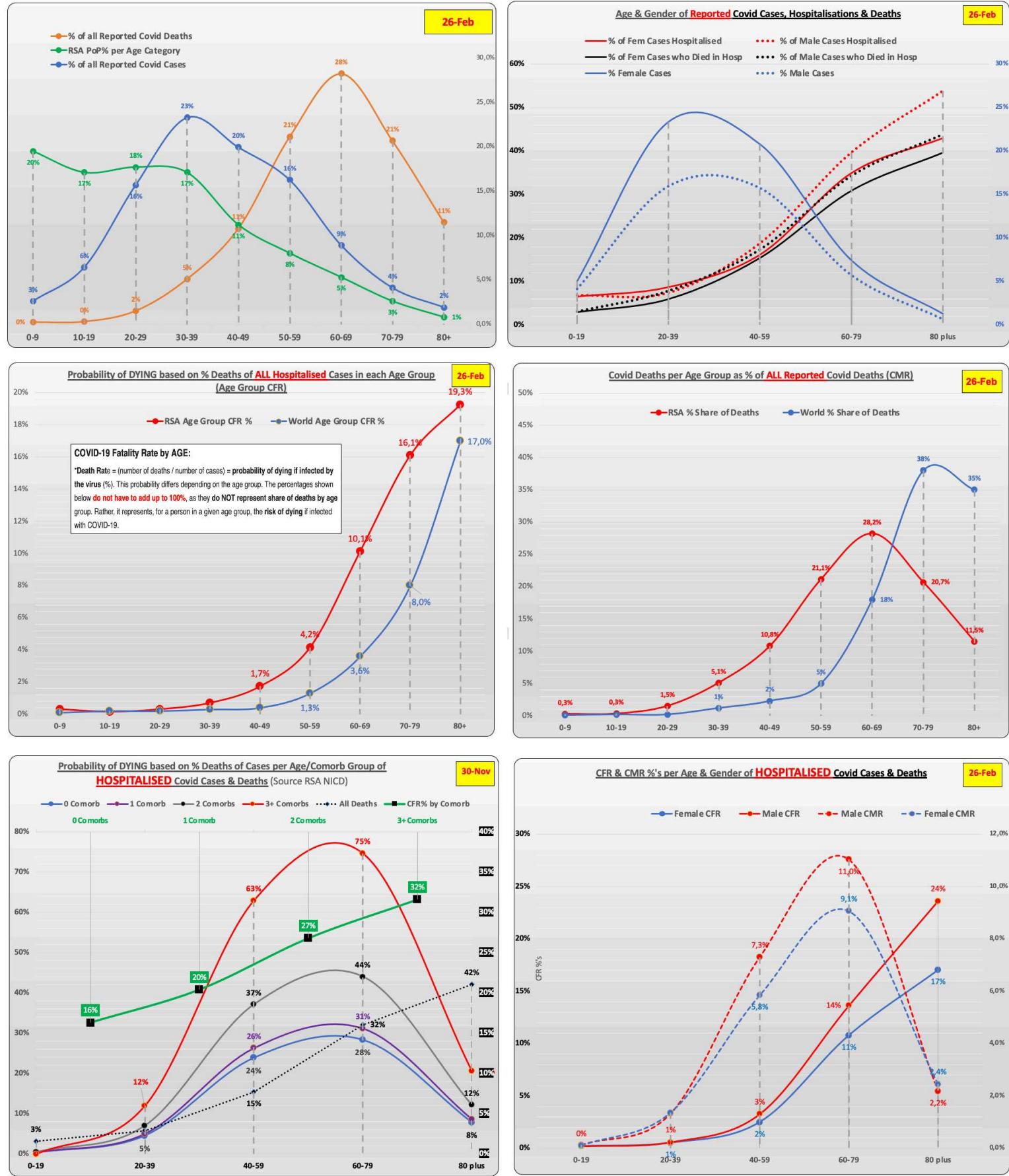
N/Cape



W/Cape



RSA Age & Gender Stats



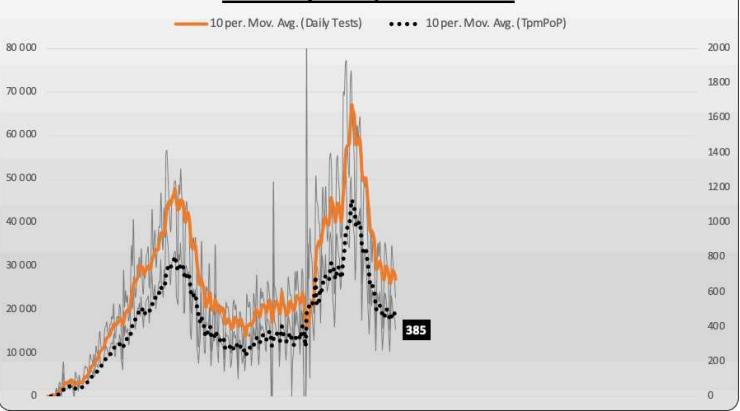
Data as at: As indicated per graph

hdg 01 March 2021

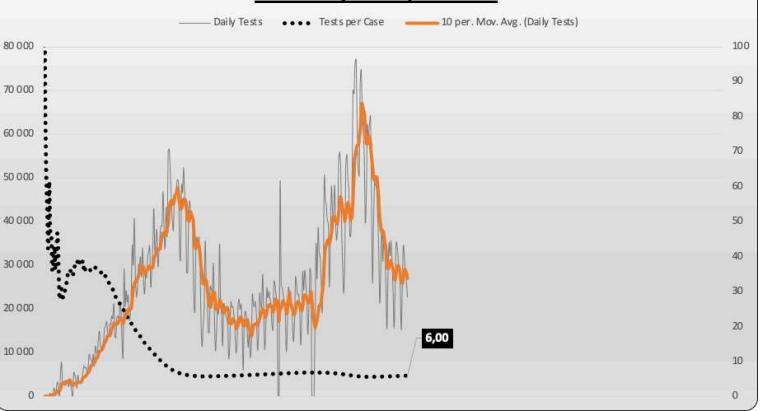
RSA Key Ratios & Comparators

Page 5.4

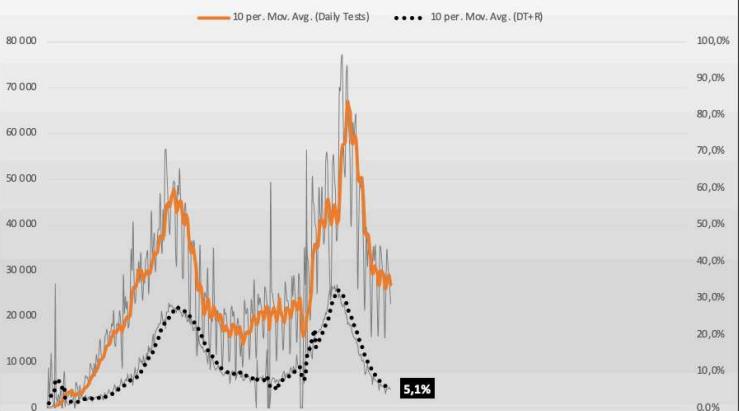
RSA: Daily Tests per million PoP



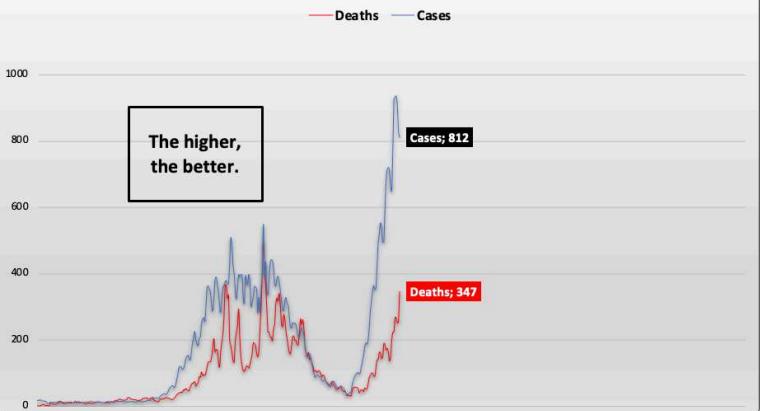
RSA: Daily Tests per +Case



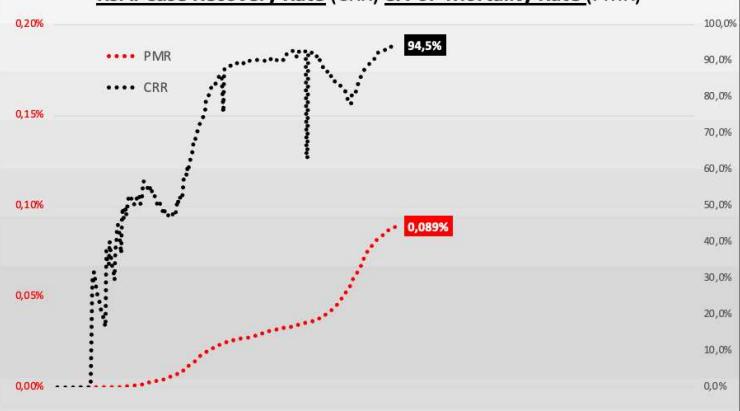
RSA: Daily Tests Positivity %



RSA Doubling Times in Days



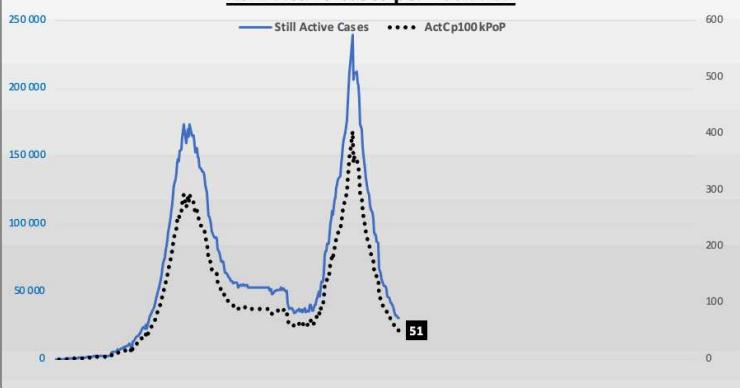
RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)



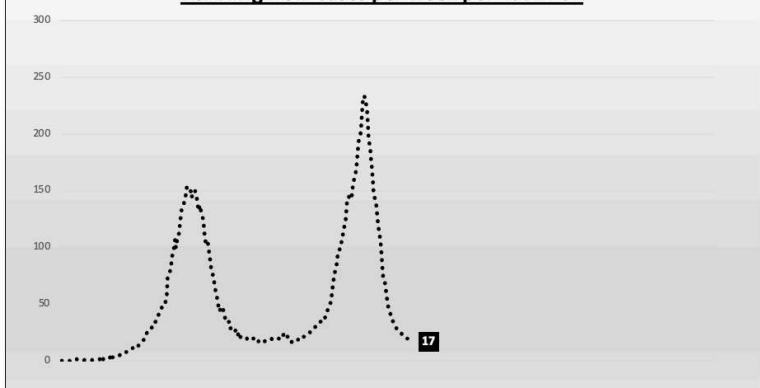
RSA: Deaths as % of Cases (CFR)



RSA: Active Cases per 100k PoP



RSA: Avg New Cases per week per 100k PoP



RSA & Provinces Key Data Sets

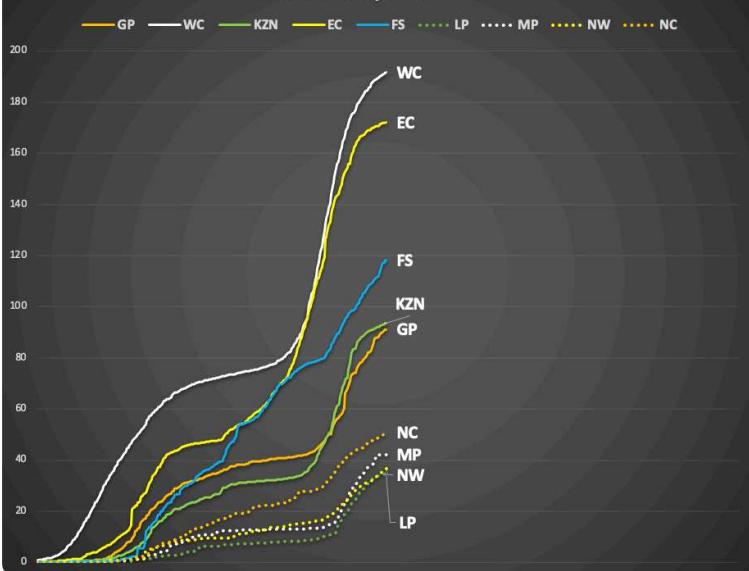
Page 5.5

All linear scales

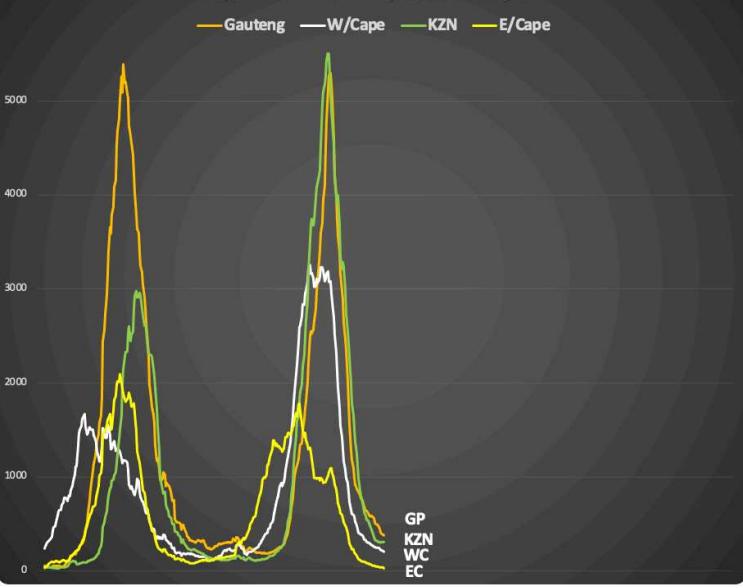
Cum Cases per 100k PoP



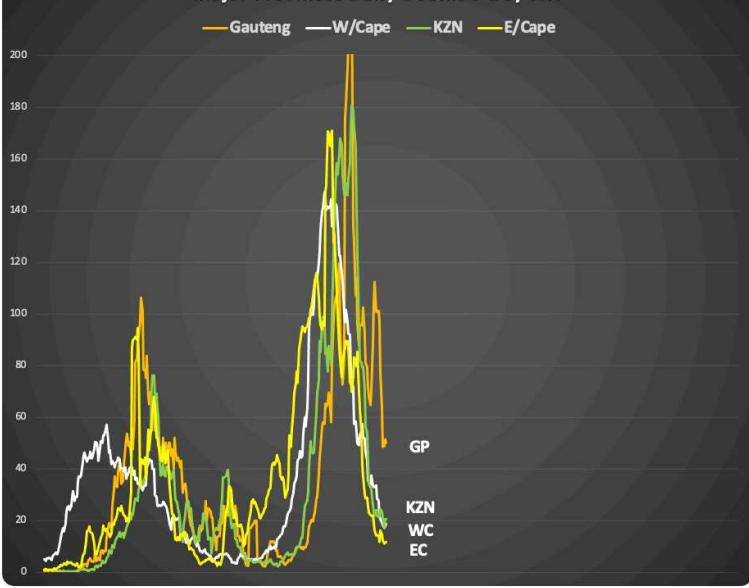
Cum Deaths per 100k PoP



Major Provinces Daily Cases 7 Day MA



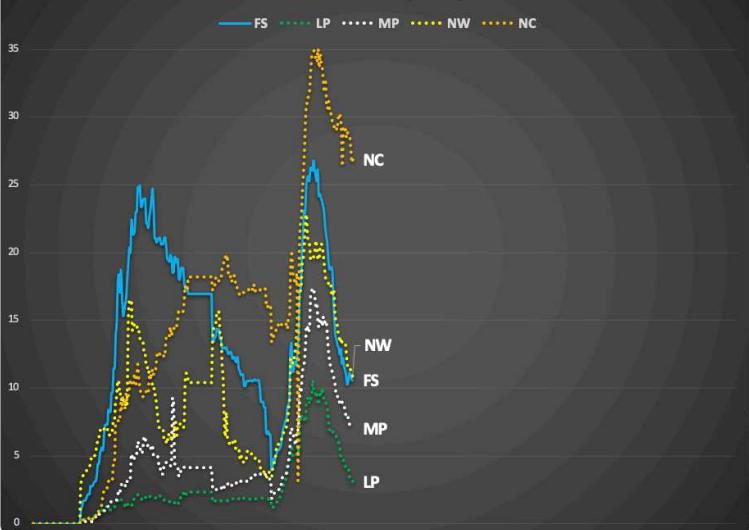
Major Provinces Daily Deaths 7 Day MA

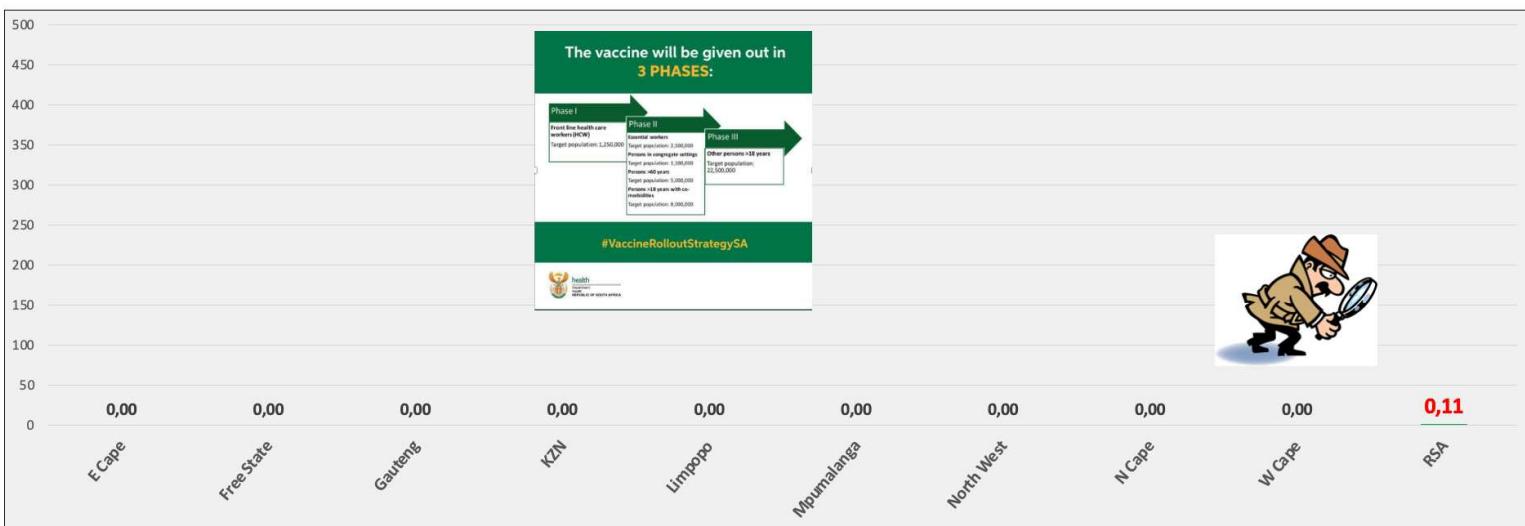


Major Provinces: In Hospital per 100k PoP



Smaller Provinces: In Hospital per 100k PoP

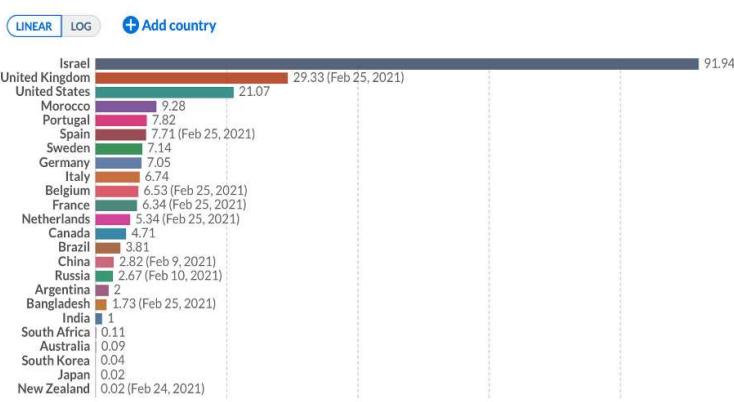




Selected countries who publish their VAC data :

COVID-19 vaccine doses administered per 100 people, Feb 26, 2021

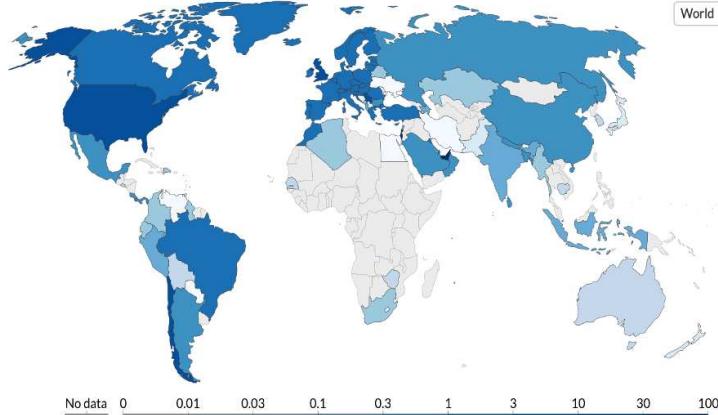
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



Source: Official data collated by Our World in Data – Last updated 27 February, 10:40 (London time)

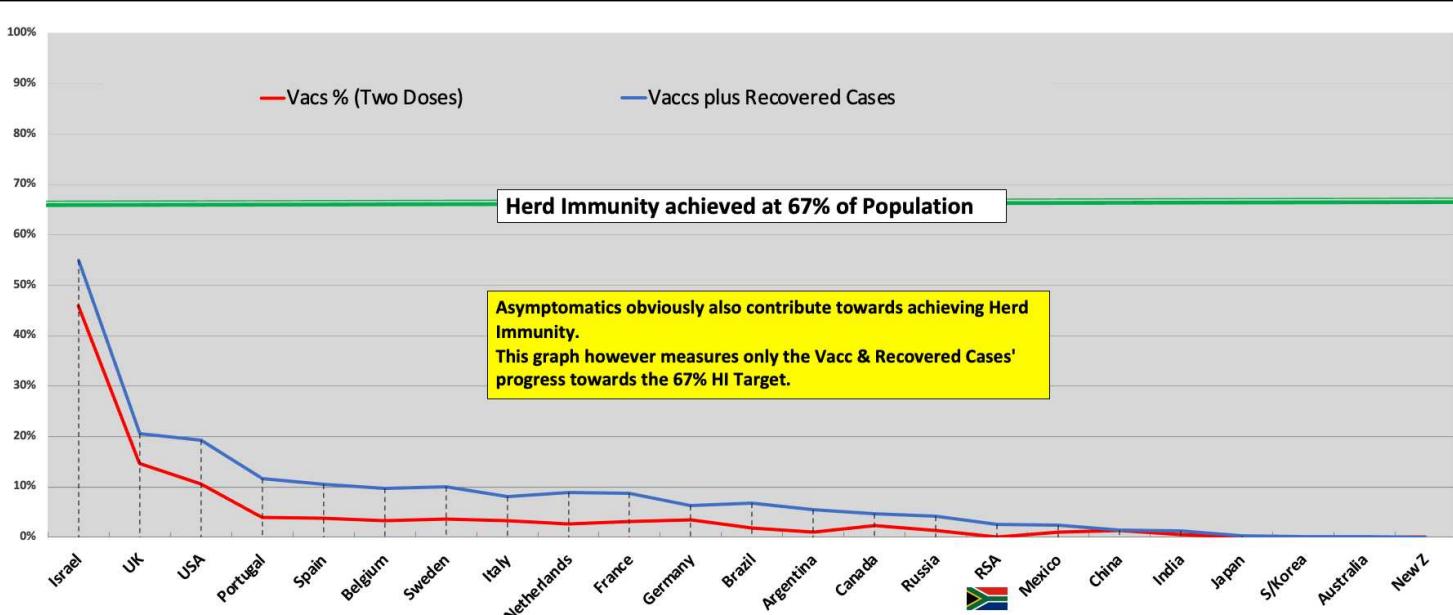
COVID-19 vaccine doses administered per 100 people, Feb 26, 2021

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).



Source: Official data collated by Our World in Data – Last updated 27 February, 10:40 (London time)

Selected Countries' Progress towards Herd Immunity (HI) :

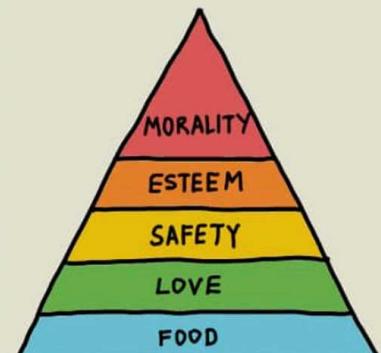


Laughter is the best vaccine....

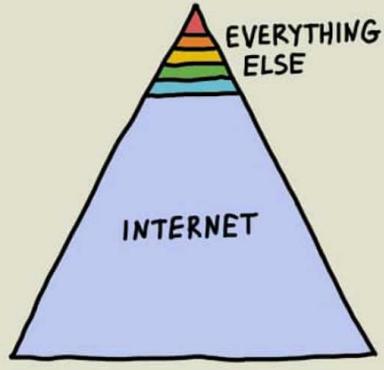


human needs

BEFORE COVID



AFTER COVID

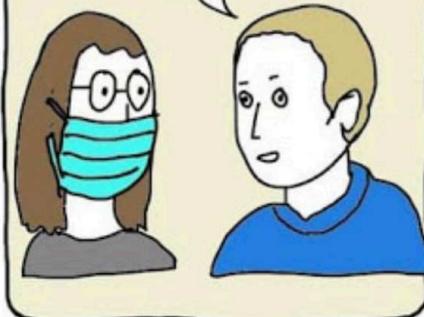


Irina Blok

wearing a mask

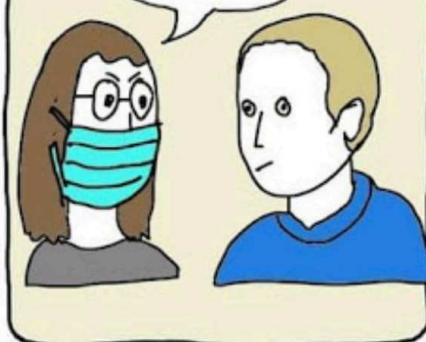
BEFORE COVID

What's wrong
with you?



AFTER COVID

What's wrong
with you?



Irina Blok