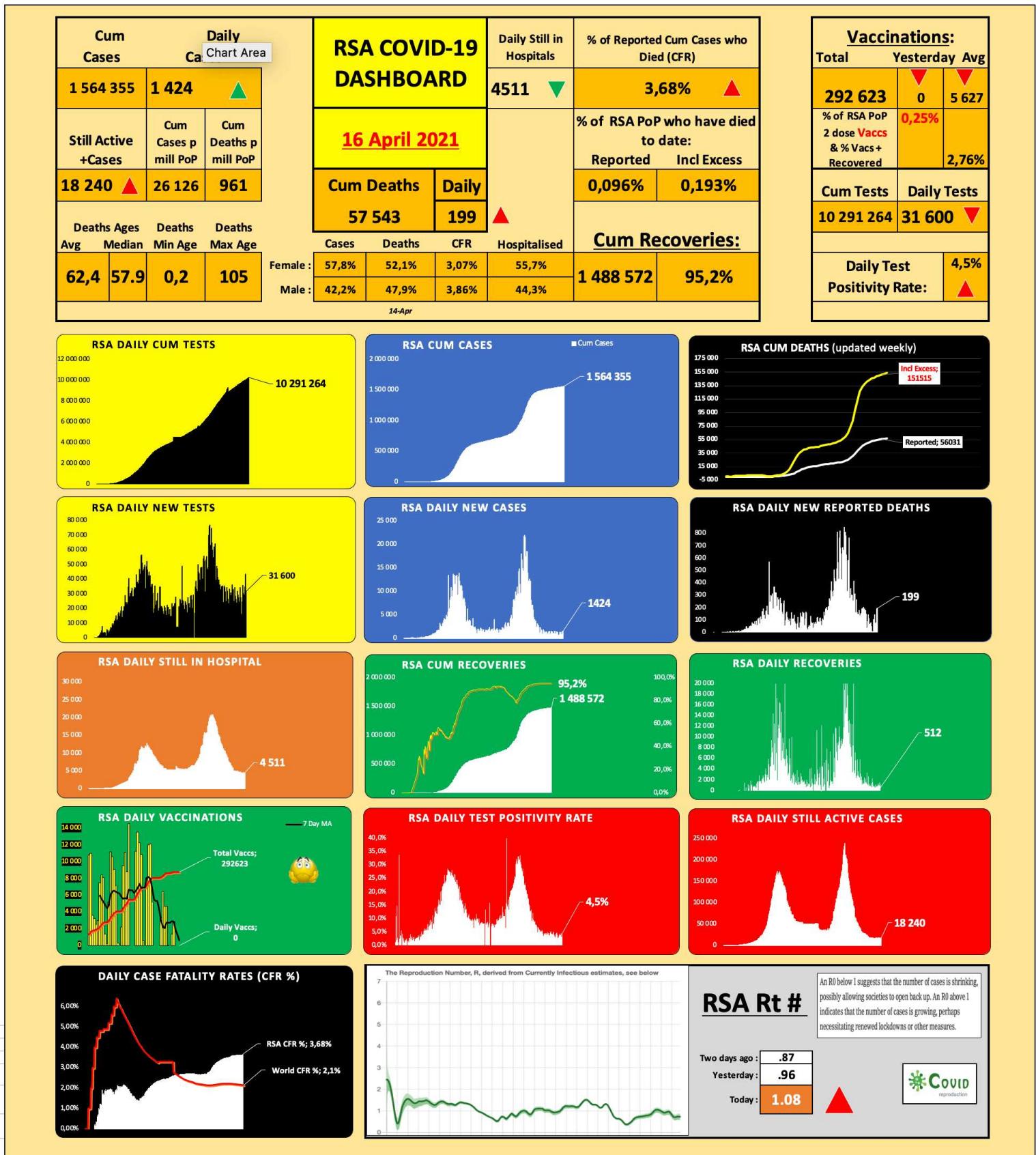


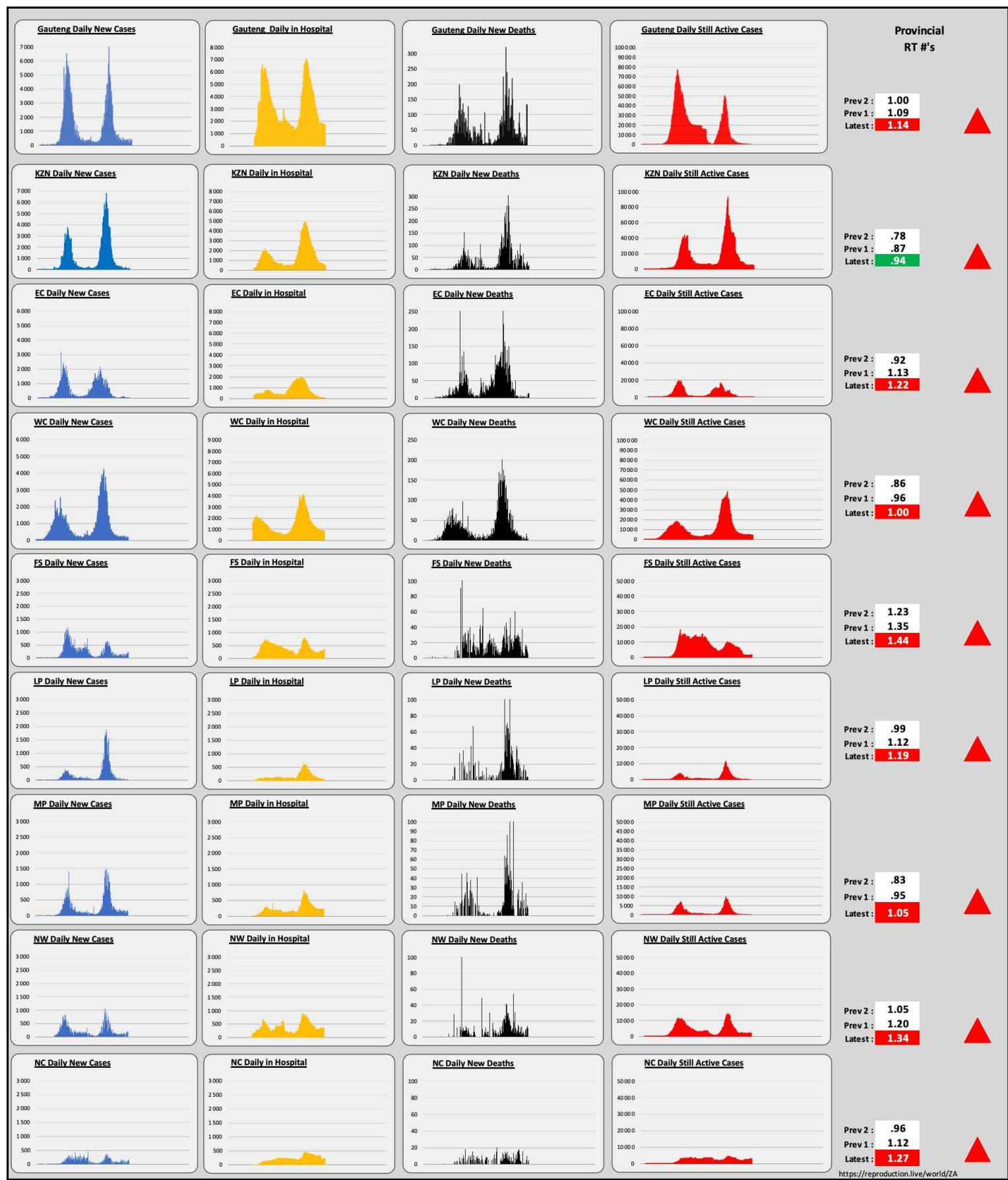
HarryG COVID-19 Dashboard

Page 1



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

Page 1.1



Data as at: 16 April 2021

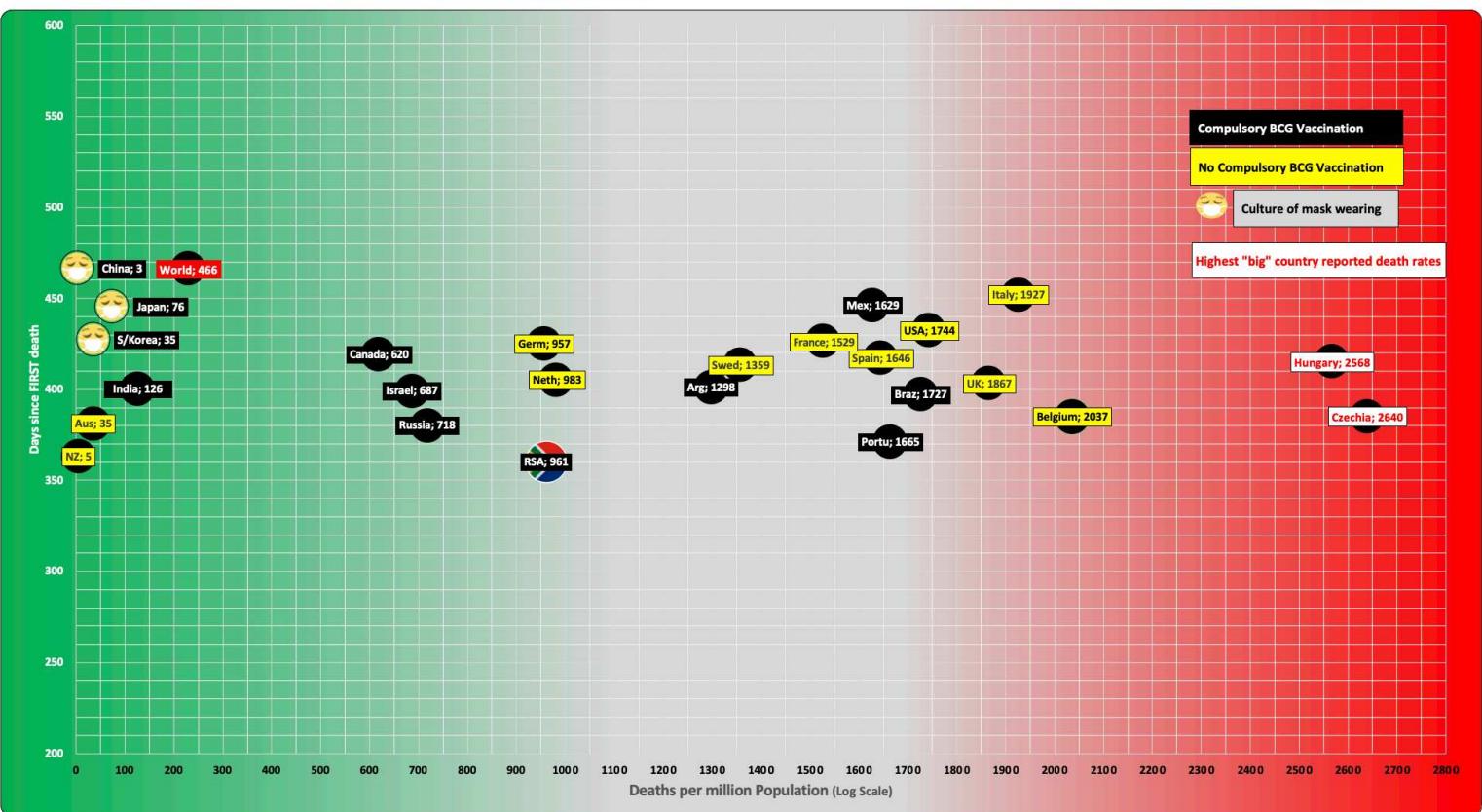
Unless otherwise indicated

hdg 17 April 2021

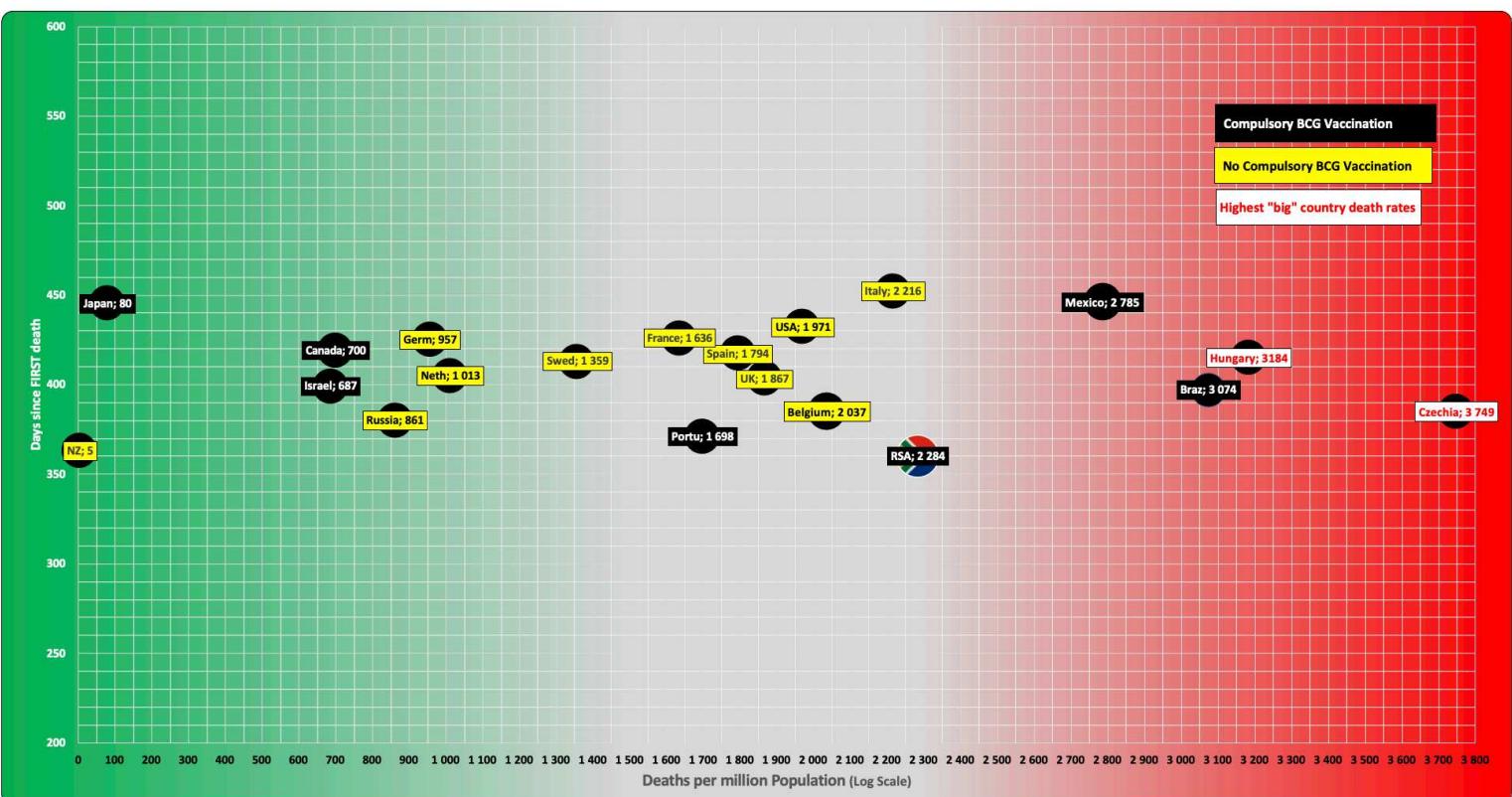
<https://reproduction.live/world/ZA>

Selected Countries' Reported Deaths per mill PoP

Page 2

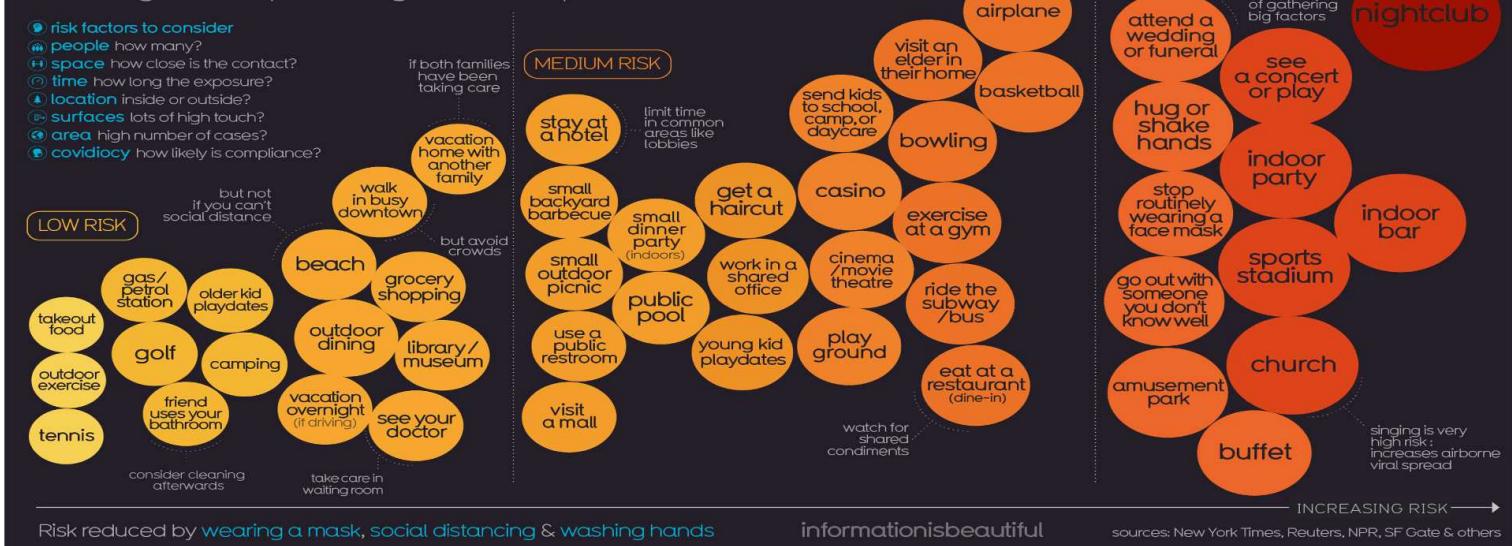


Selected Countries' Deaths incl Excess Deaths per mill PoP (where data available)



Coronavirus Riskiest Activities

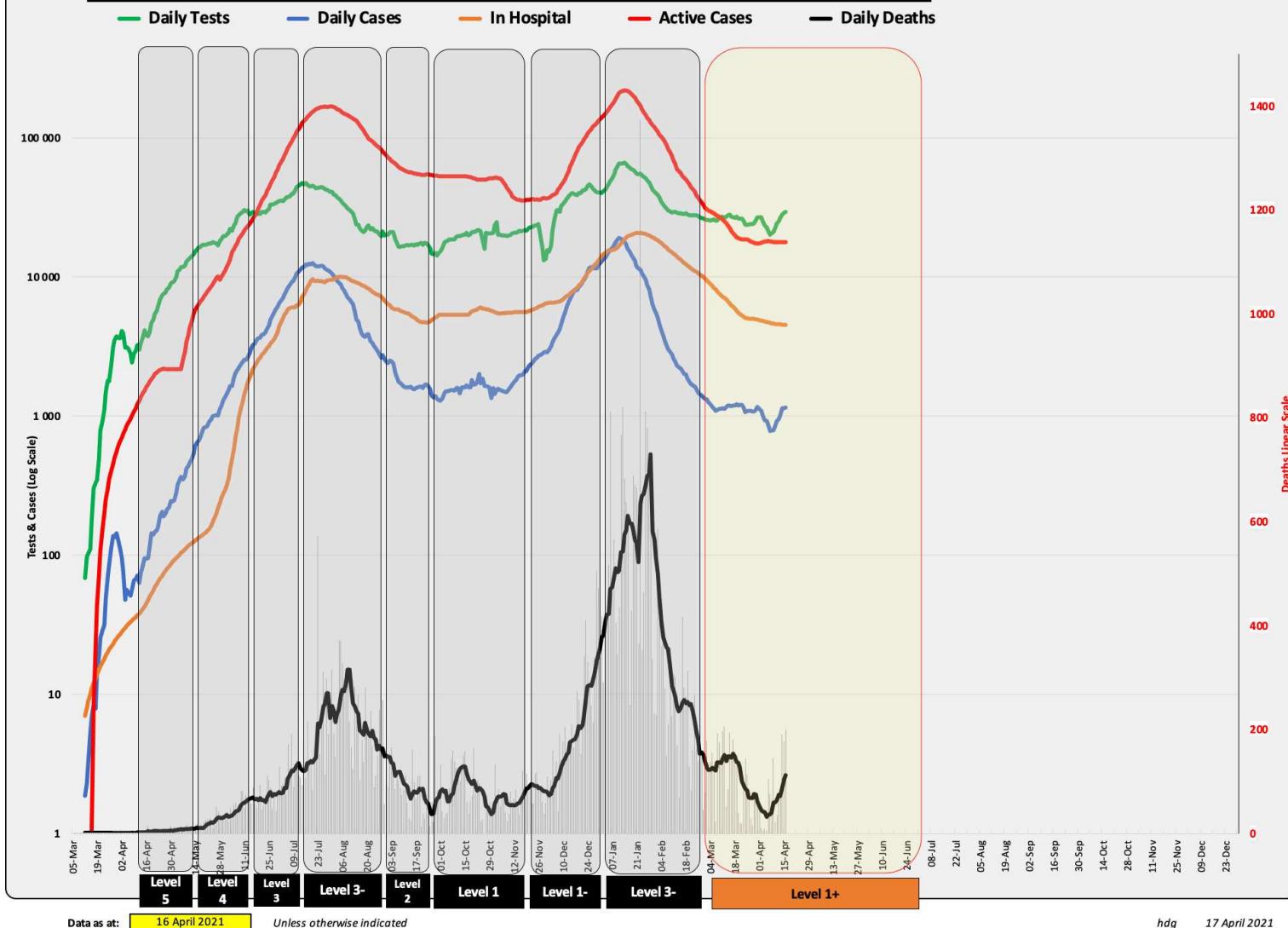
According to 500+ epidemiologists & health professionals



informationisbeautiful

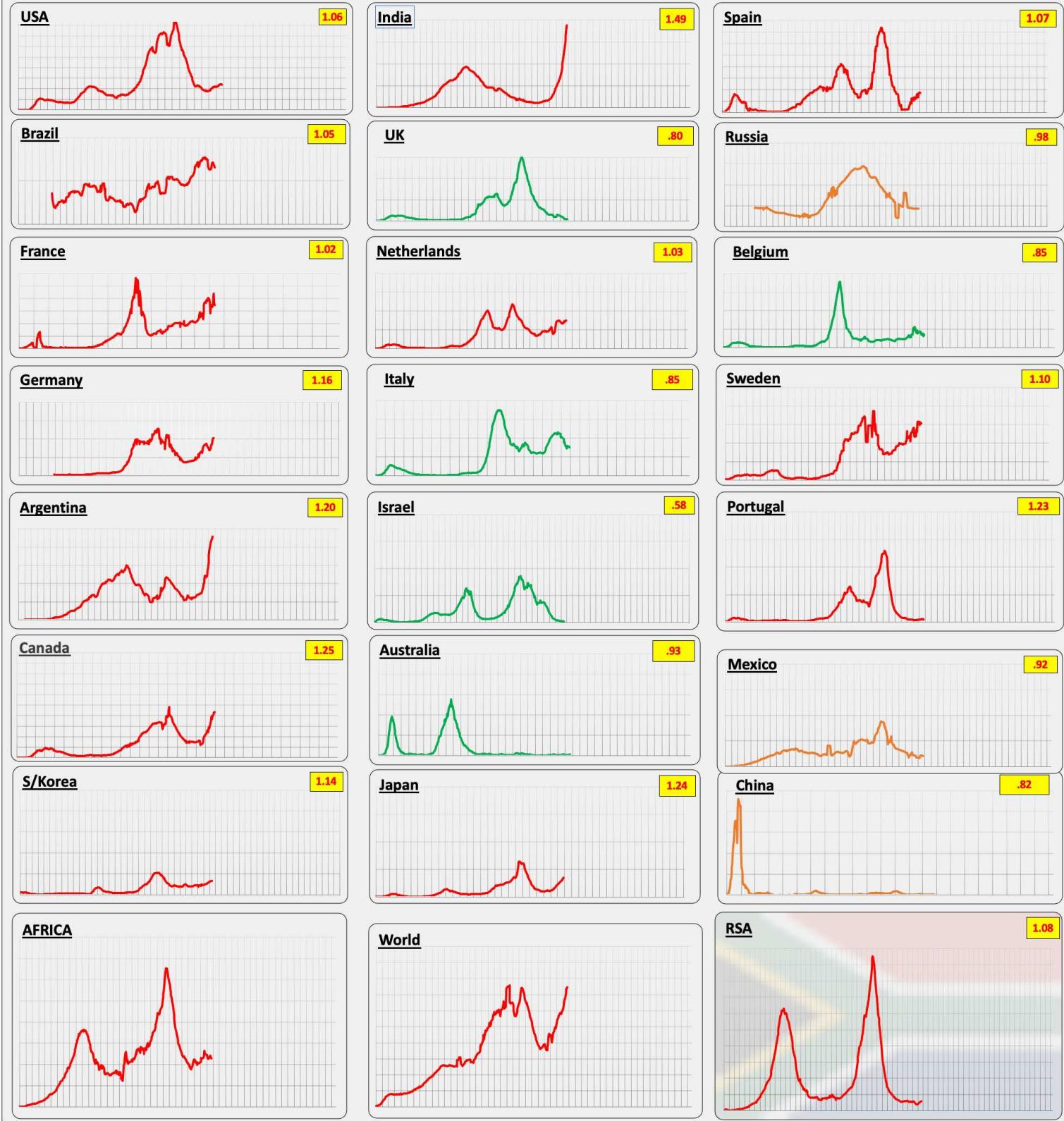
sources: New York Times, Reuters, NPR, SF Gate & others

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



World Daily Reported New Cases 7 Day MA

7 Day MA Rising with Rt > 1
 7 Day MA Stable with Rt < 1
 7 Day MA Declining with Rt < 0.9
 Latest Rt #'s 



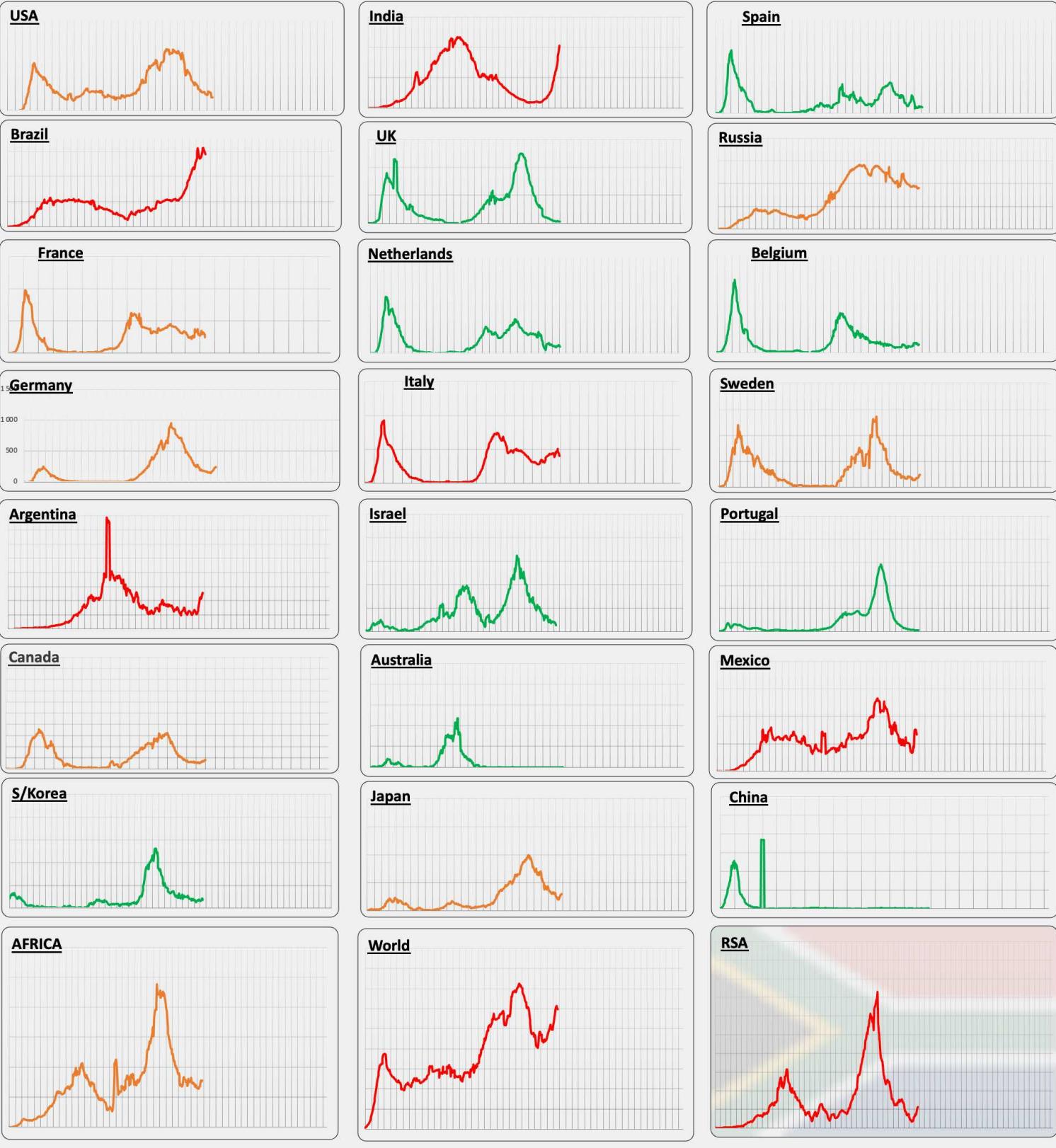
World Daily Reported Deaths 7 Day MA

Page 2.3

7 Day MA Rising

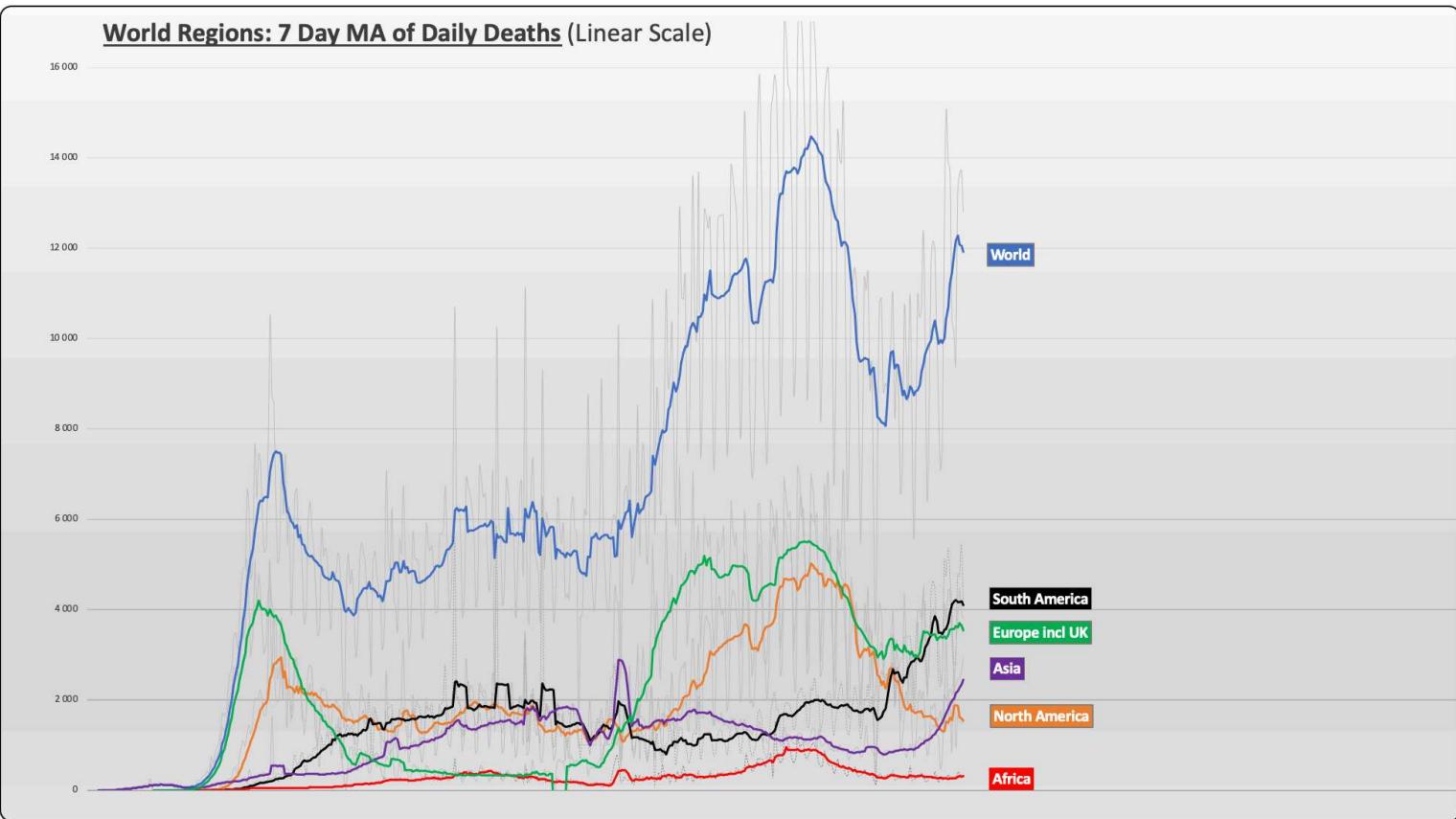
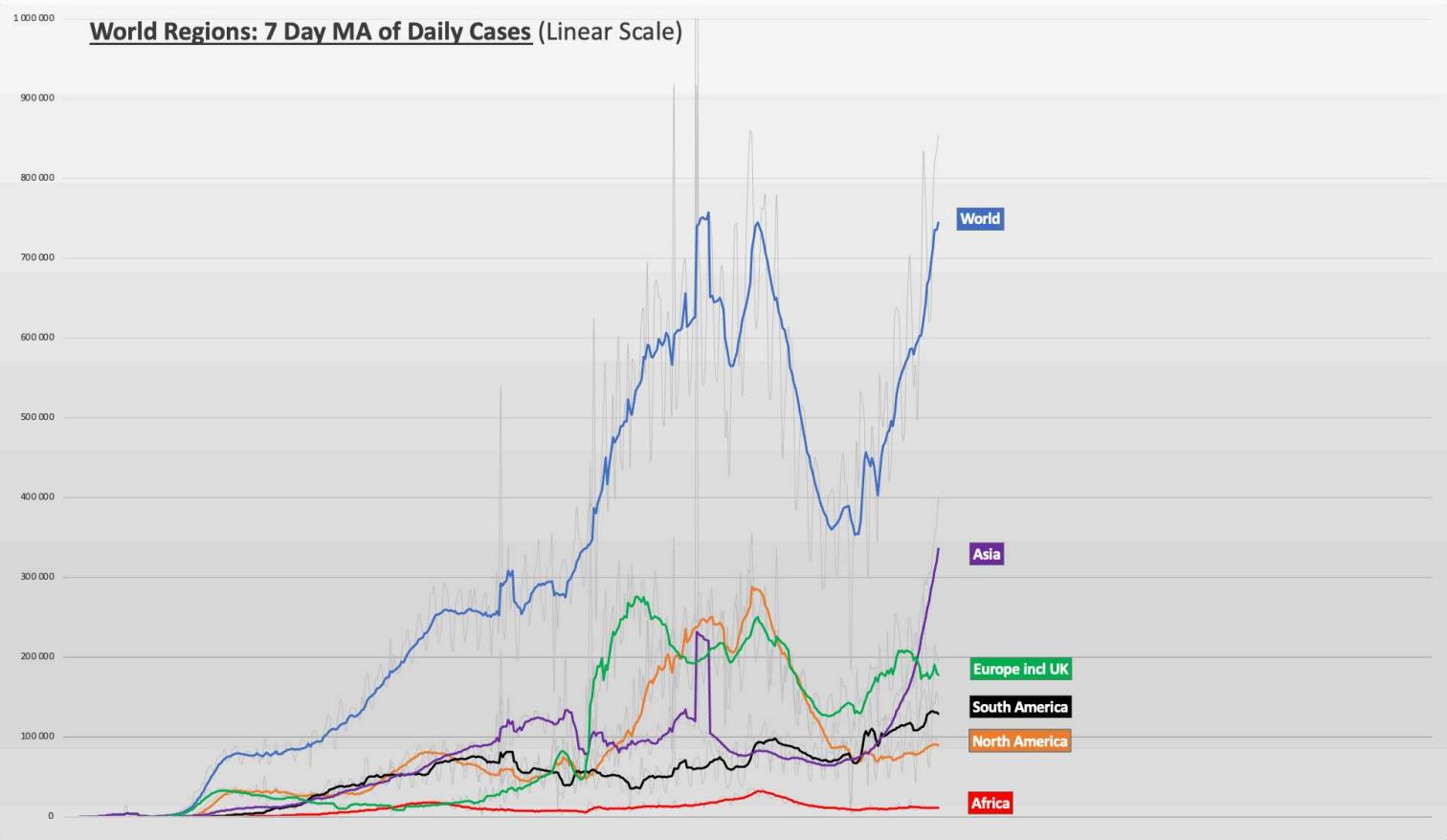
7 Day MA Declining but still high

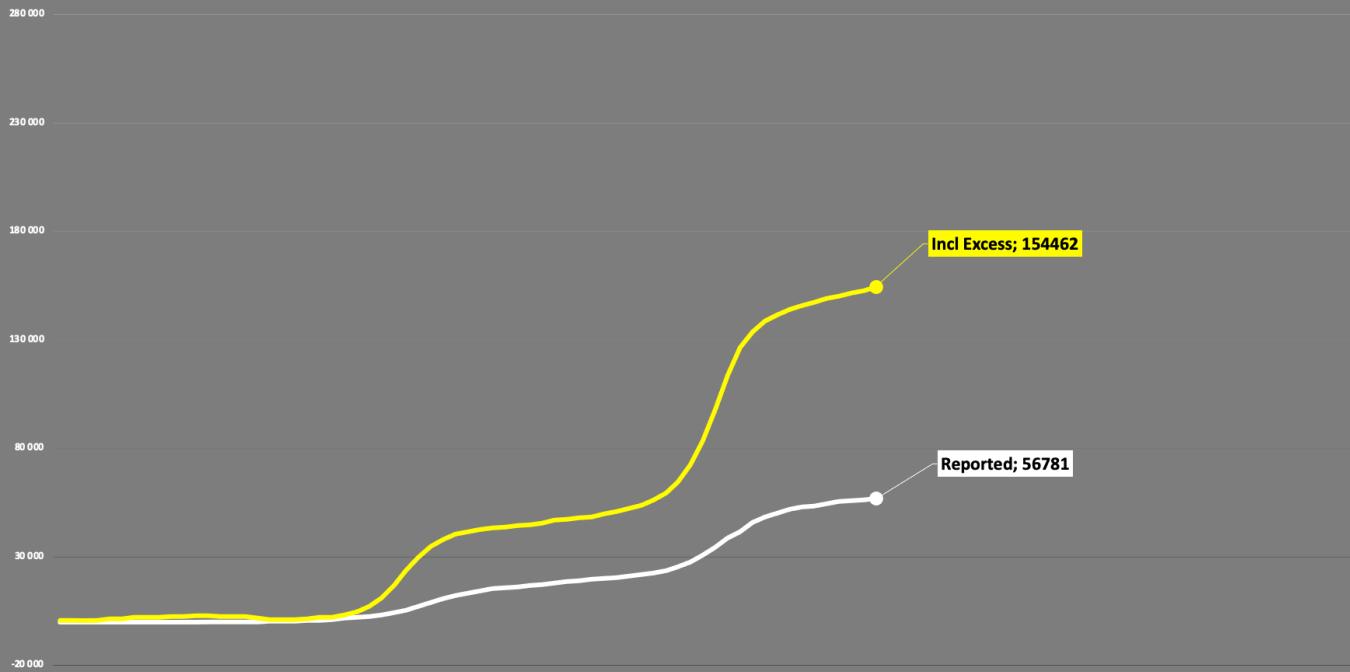
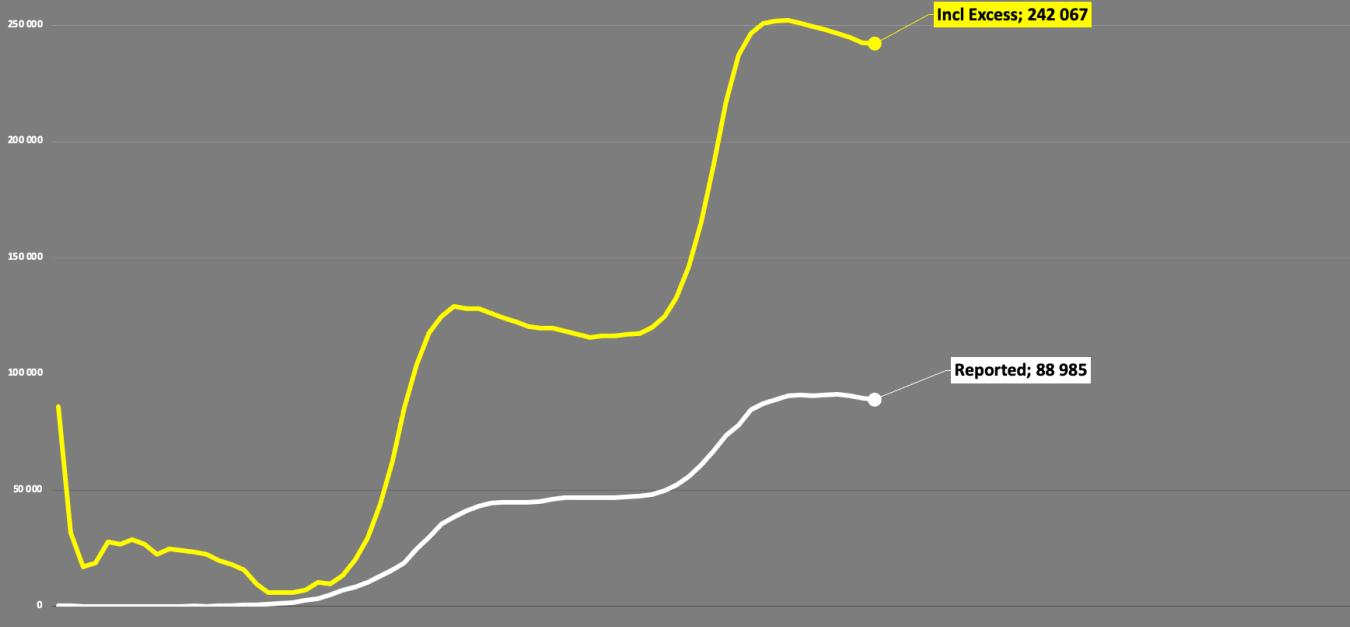
7 Day MA Low and stable

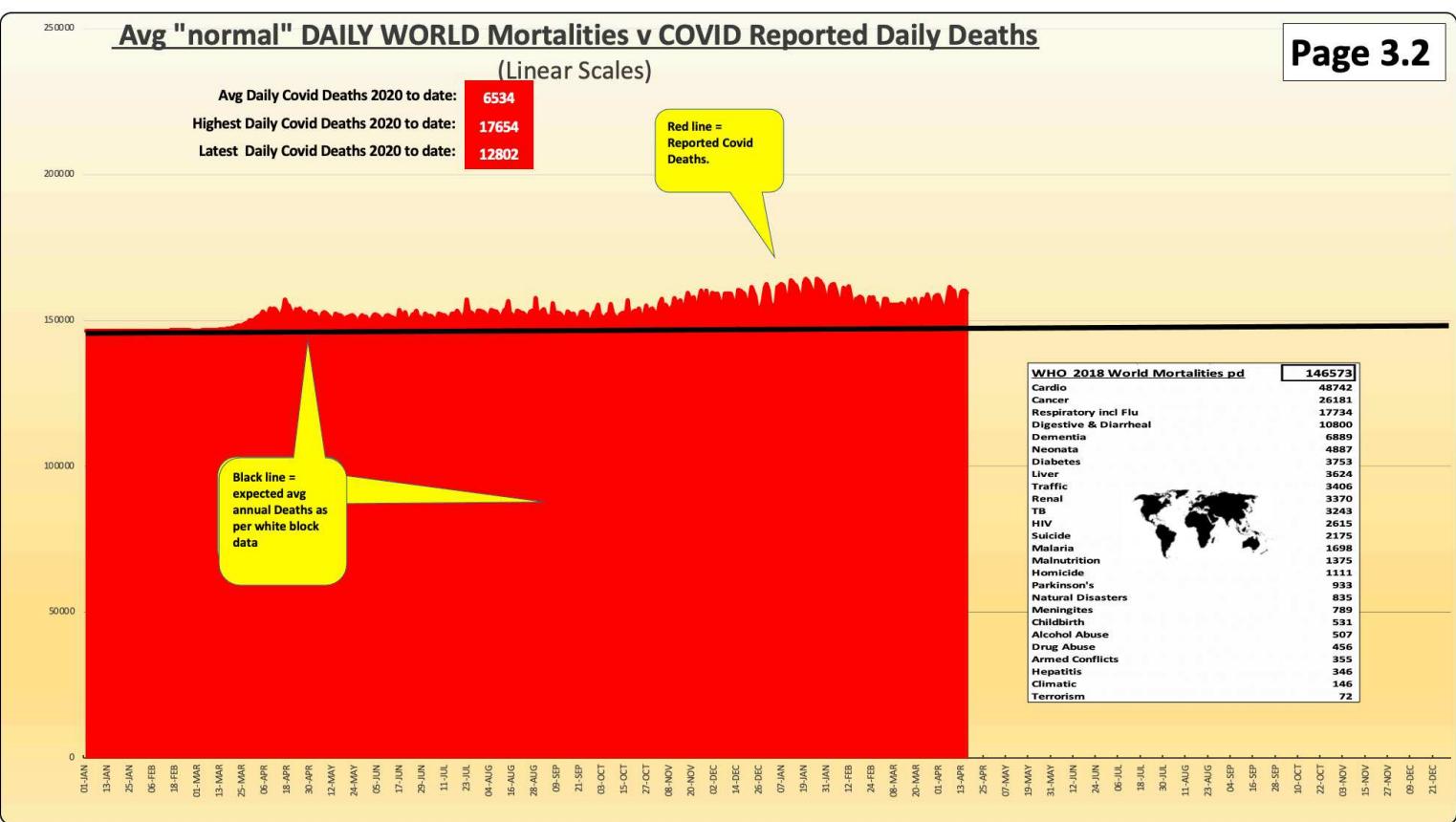


7 Day Moving Average of Daily Reported Deaths & Cases by World Region

Page 3.0



RSA CUM DEATHS (updated weekly)**RSA CUM DEATHS PROJECTED TO end 2021 (updated weekly)**

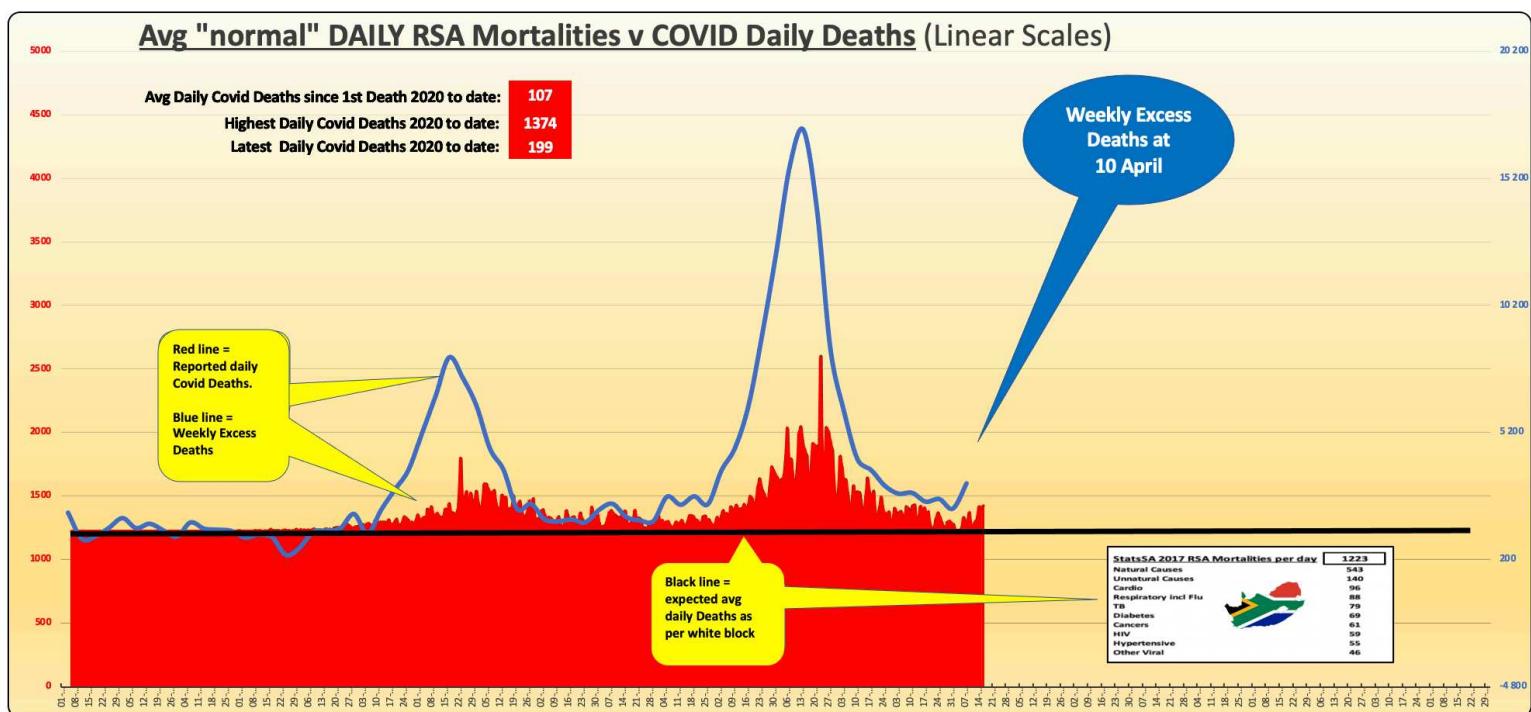


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

The big RED blocks below the black lines are TOTAL Daily Avg Deaths from ALL causes.

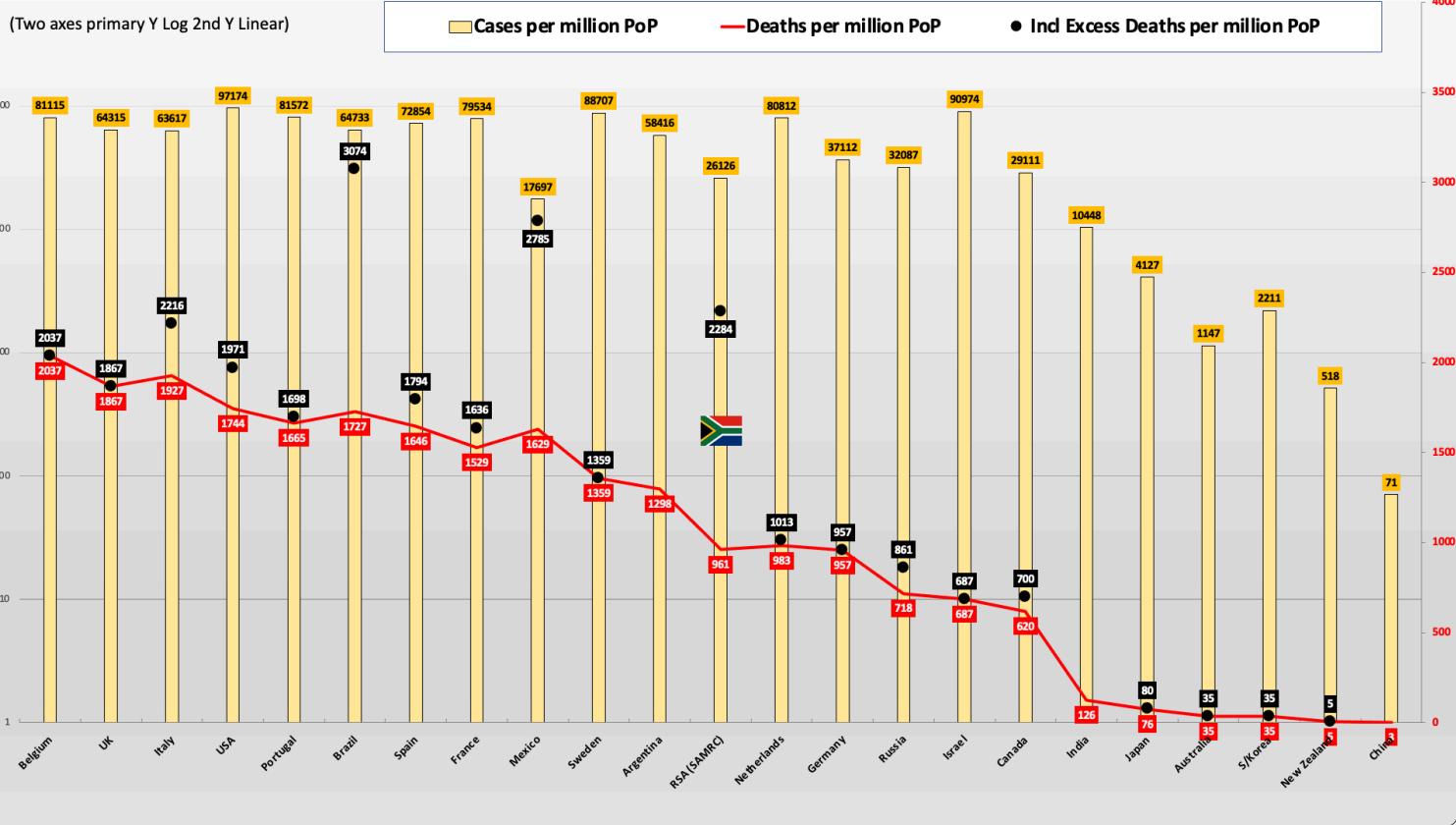
The RED area/lines on top of the red blocks are the INCREMENTAL Actual Daily Deaths due to Covid as officially reported.

The BLUE line in the bottom RSA graph shows the SAMRC Excess Deaths weekly numbers.

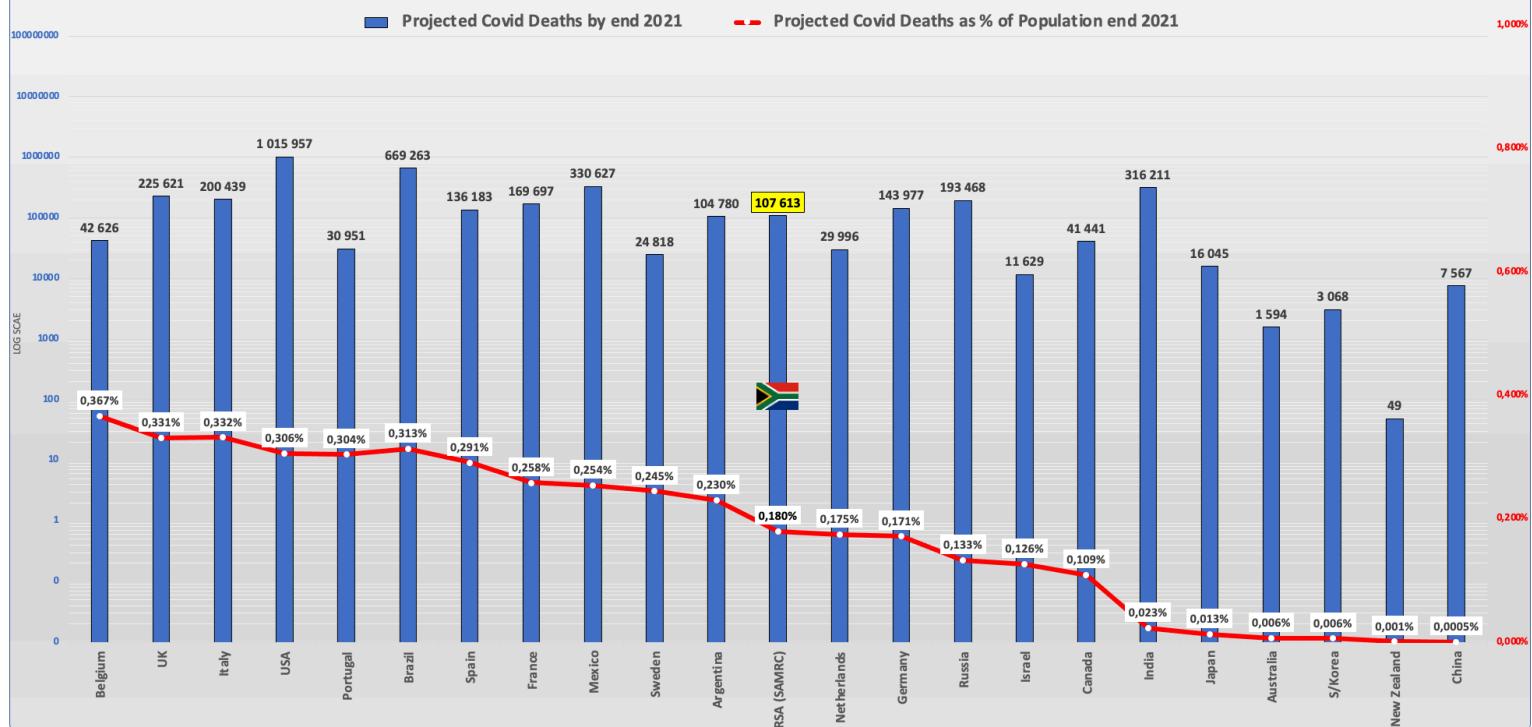


Selected Countries' Current Reported Cases, Reported Deaths & Excess Deaths

Page 4



Projected Deaths by end 2021 per country and % Deaths of Country Populations at current officially reported Deaths Numbers

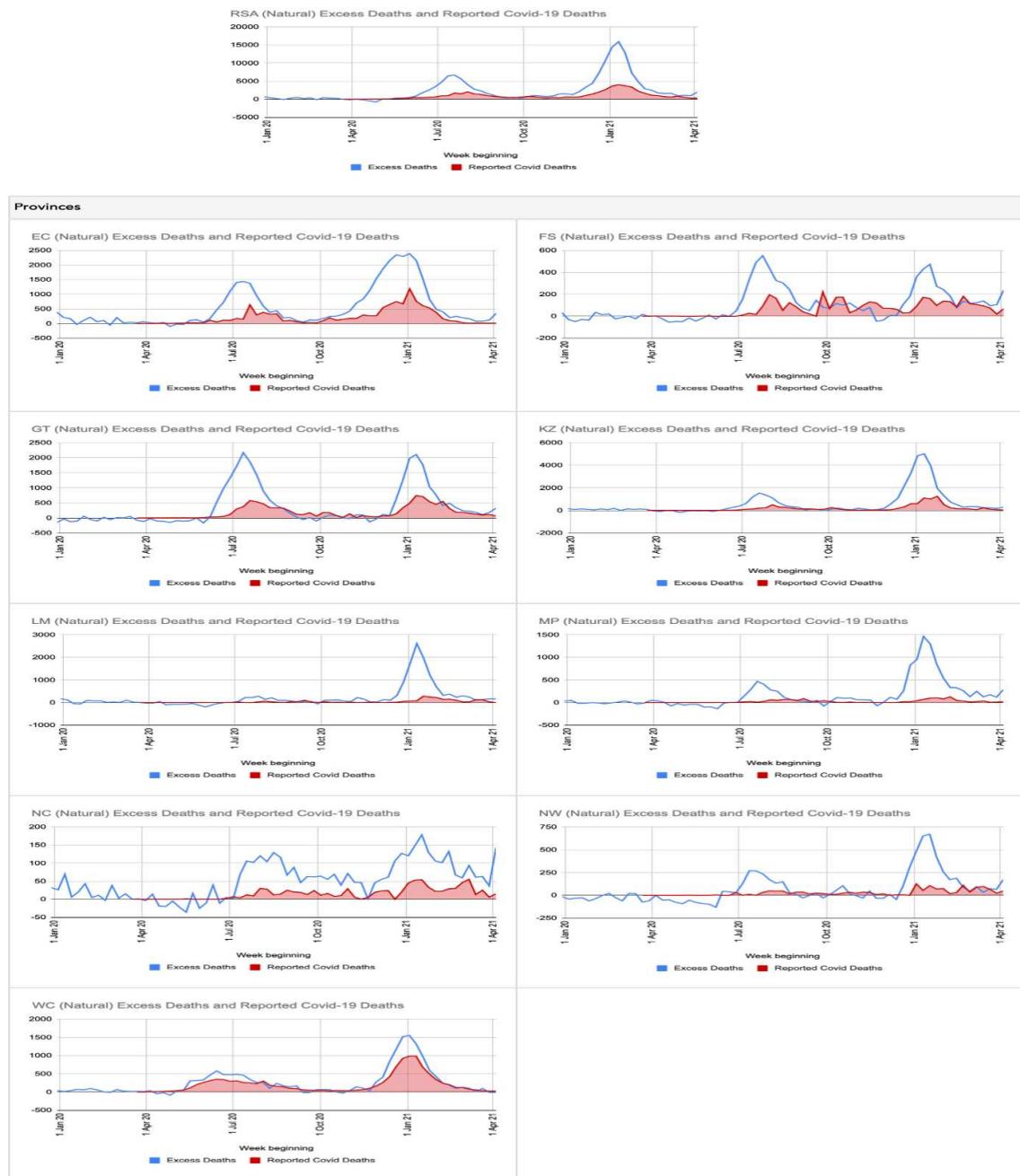


Data as at: 16 April 2021

Unless otherwise indicated

hdg 17 April 2021

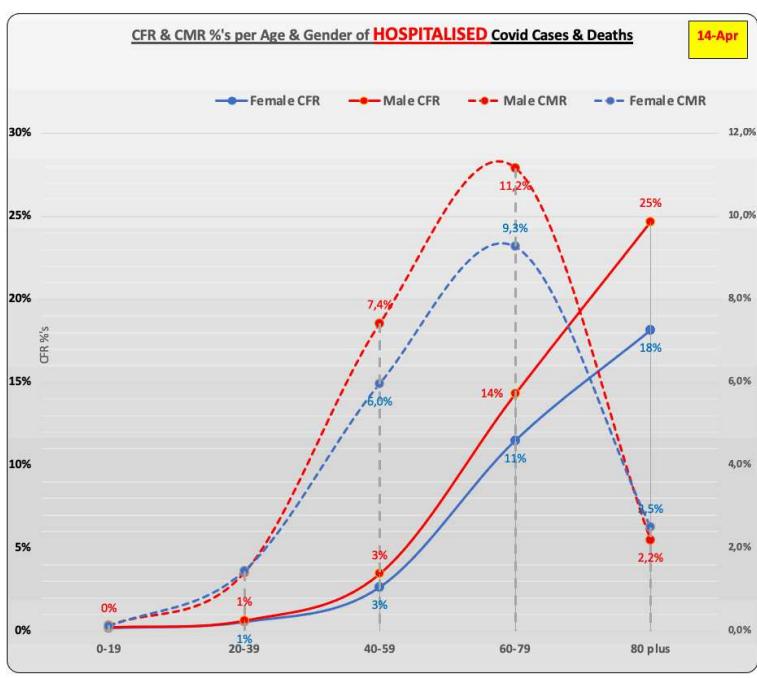
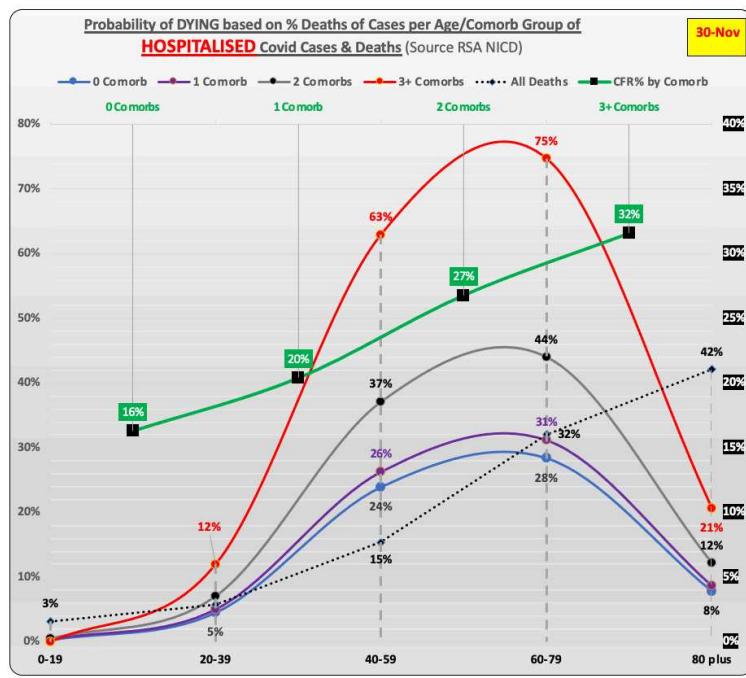
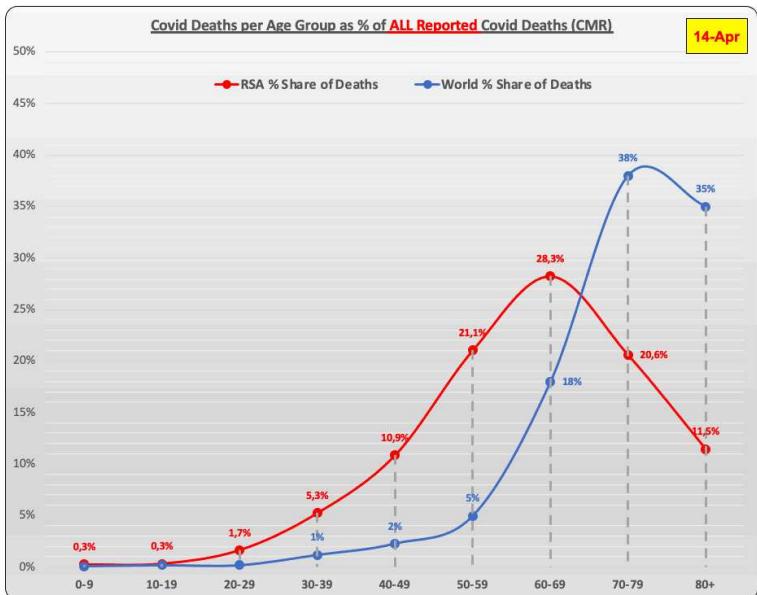
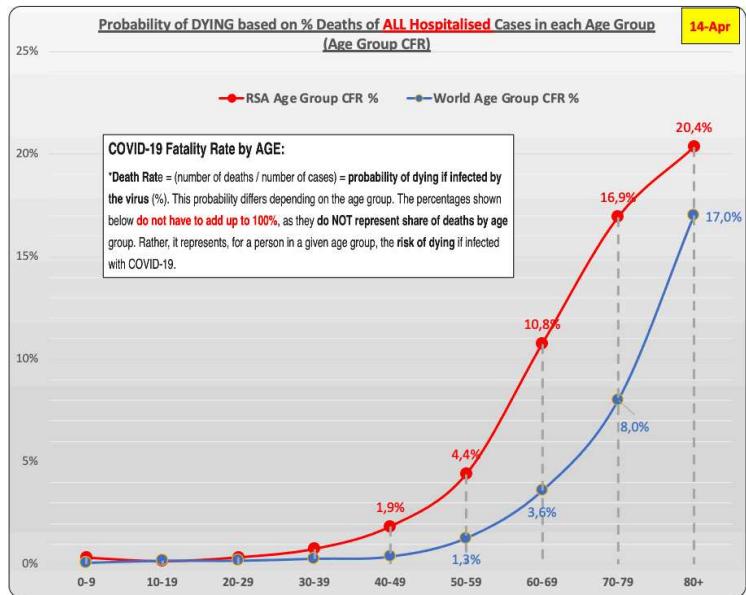
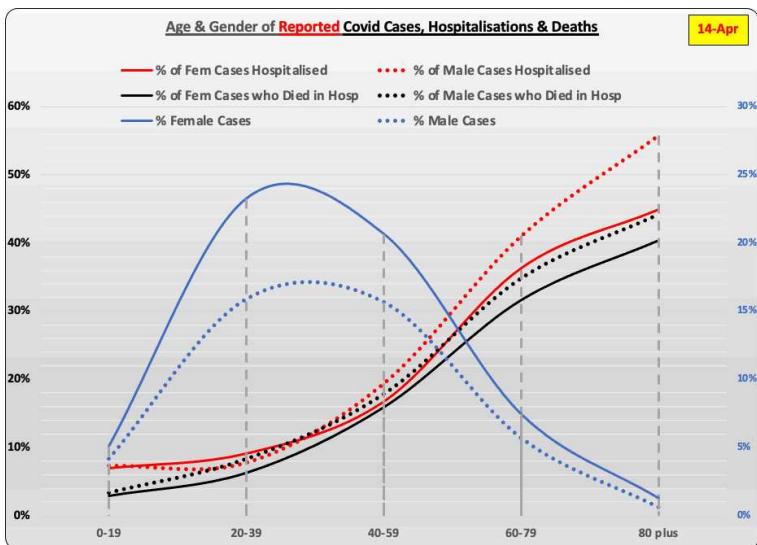
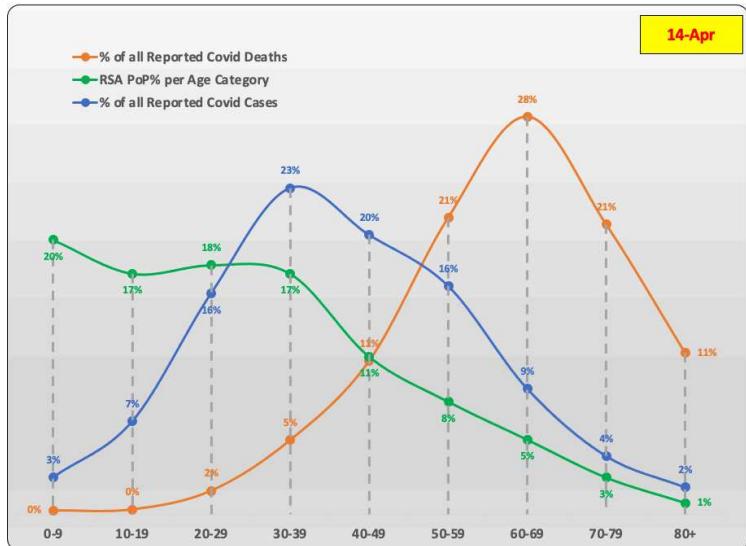
One approach to aid understanding of the emerging COVID-19 mortality is to compare the estimated weekly excess deaths with the reported COVID-19 deaths as reported by the Minister of Health, shown on the figure below. This comparison is complicated to some degree by the fact that the excess deaths are 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).

RSA Age & Gender Stats

Page 5.1



Data as at: As indicated per graph

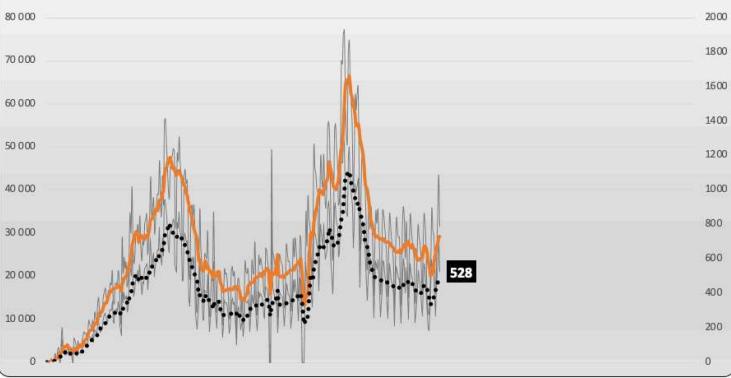
hdg 17 April 2021

RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 5.2

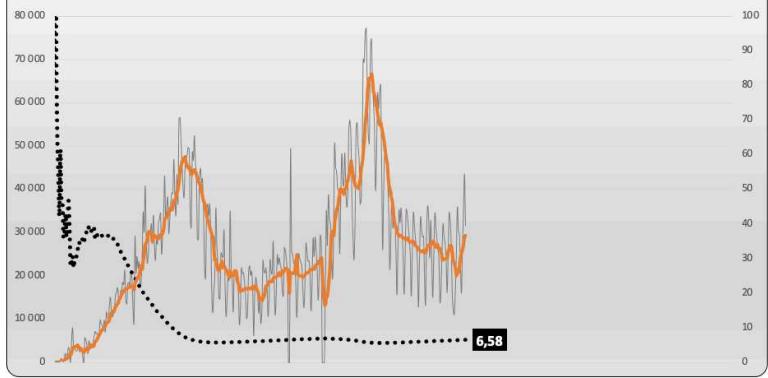
RSA: Daily Tests per million PoP

— 7 per. Mov. Avg. (Daily Tests) ••••• 7 per. Mov. Avg. (TpmPoP)



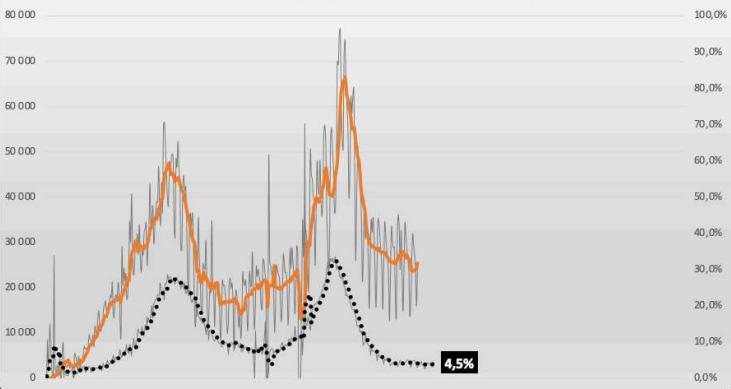
RSA: Daily Tests per +Case

— Daily Tests ••••• Tests per Case — 7 per. Mov. Avg. (Daily Tests)



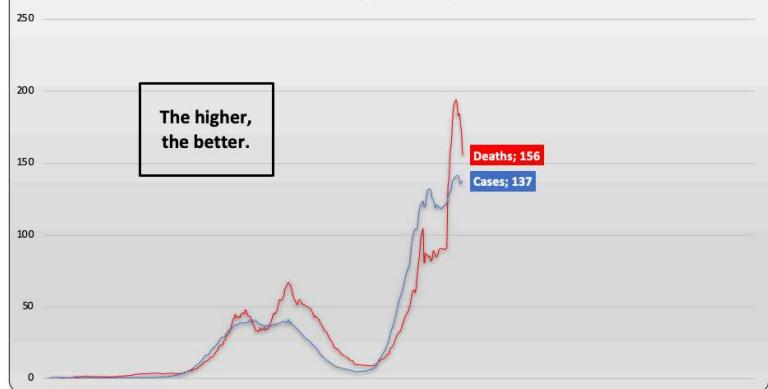
RSA: Daily Tests Positivity %

— 7 per. Mov. Avg. (Daily Tests) ••••• 7 per. Mov. Avg. (DTtR)

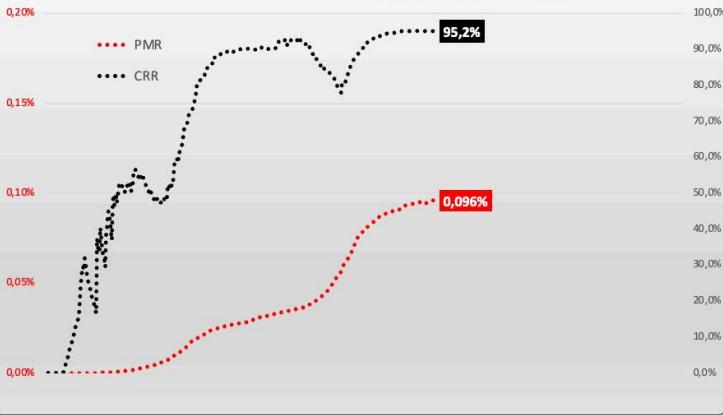


RSA Doubling Times in Days

— Deaths — Cases

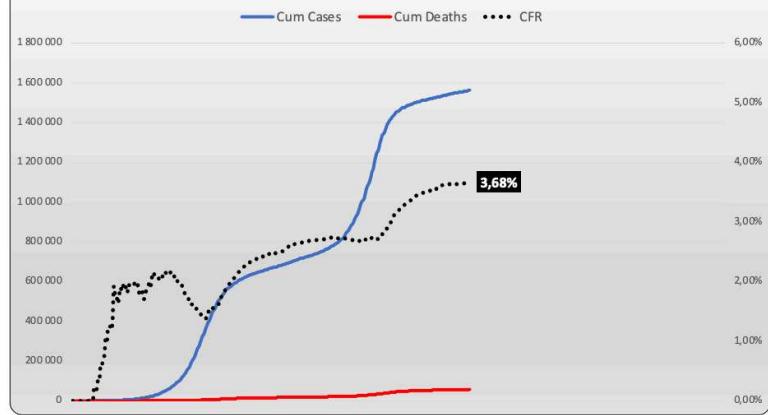


RSA: Case Recovery Rate & PoP Covid Mortality Rate



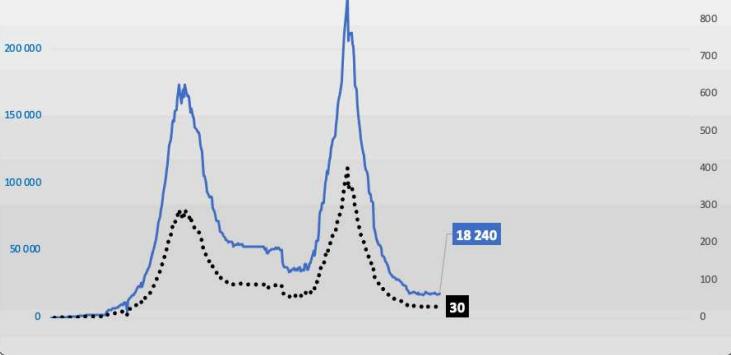
RSA: Covid Reported Deaths as % of Reported Cases (CFR)

— Cum Cases — Cum Deaths ••••• CFR



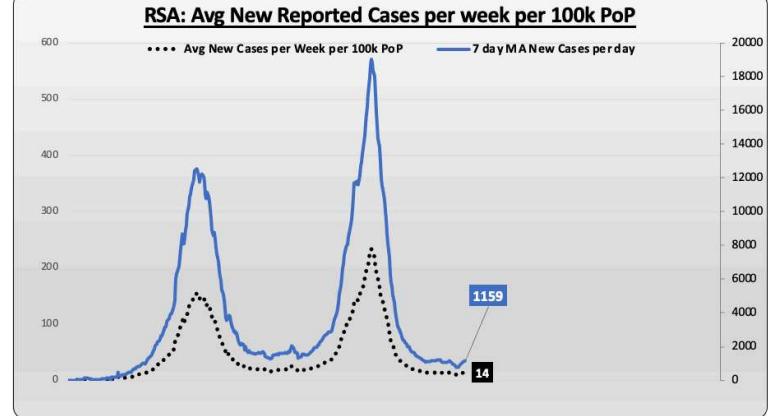
RSA: Still Active Reported Cases per 100k PoP

— Still Active Cases ••••• ActCp100 kPoP



RSA: Avg New Reported Cases per week per 100k PoP

••••• Avg New Cases per Week per 100k PoP — 7 day MA New Cases per day



Data as at:

16 April 2021

Unless otherwise indicated

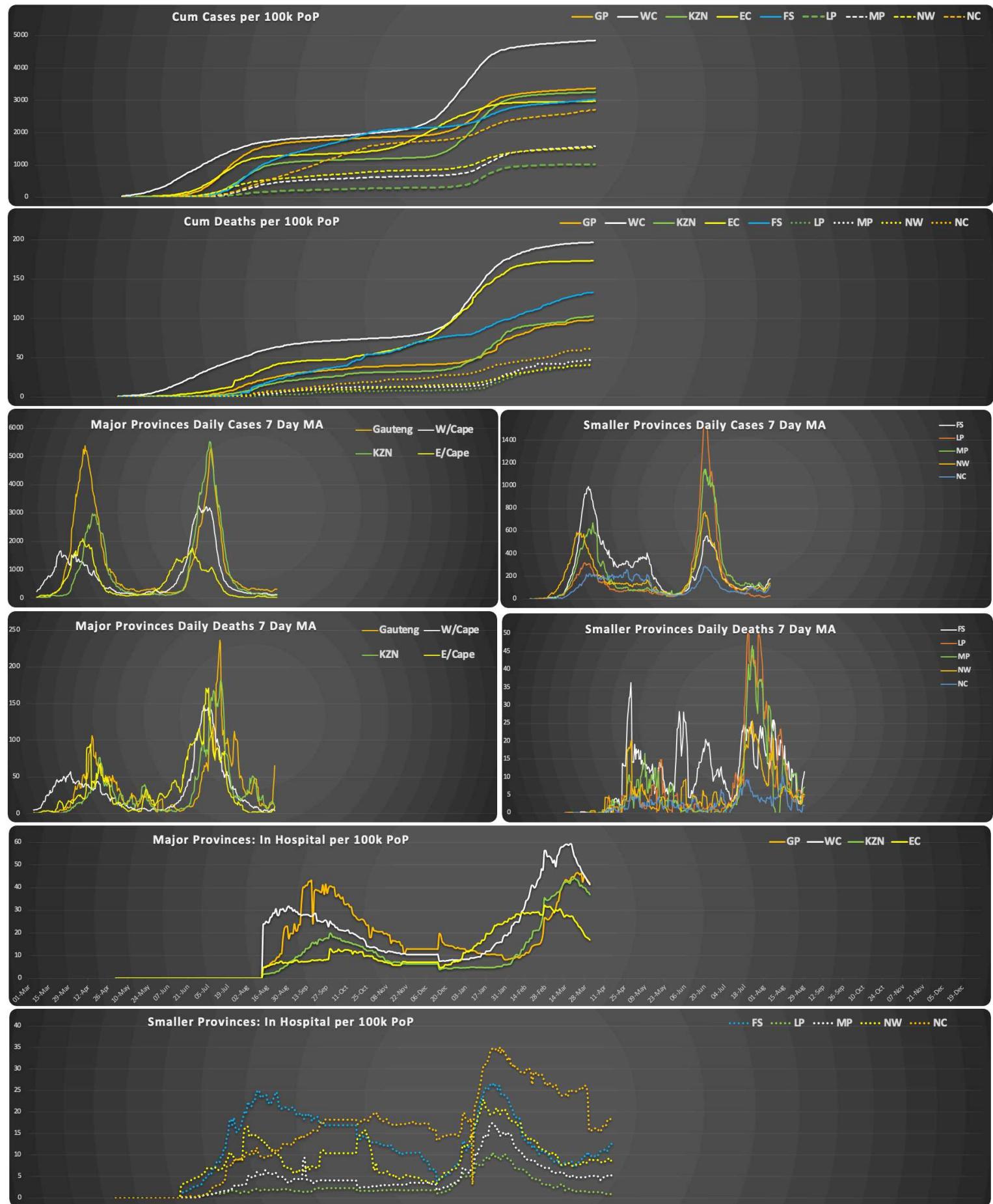
hdg

17 April 2021

RSA & Provinces Key Data Sets

All linear scales

Page 5.3



Data as at:

16 April 2021

Unless otherwise indicated

hdg

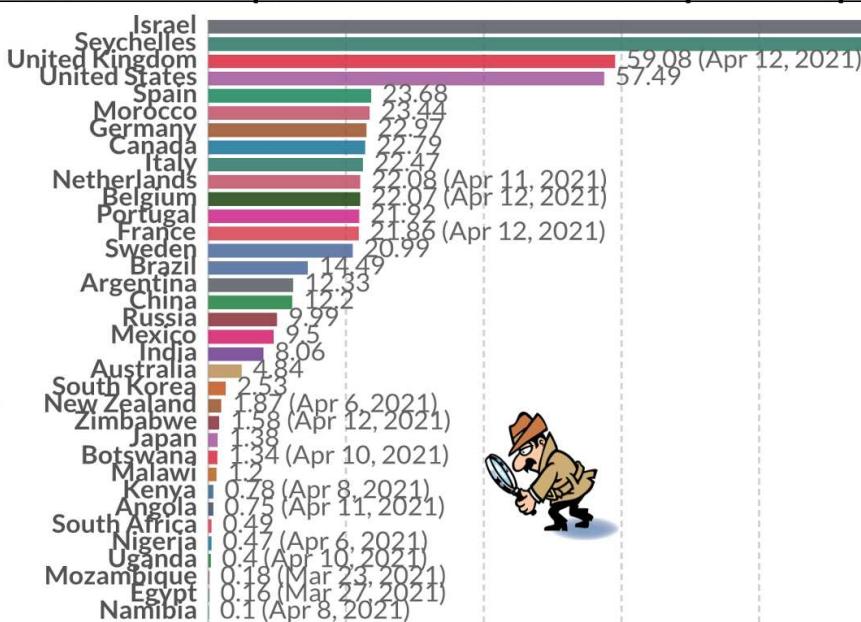
17 April 2021

Vaccination Data

Page 6

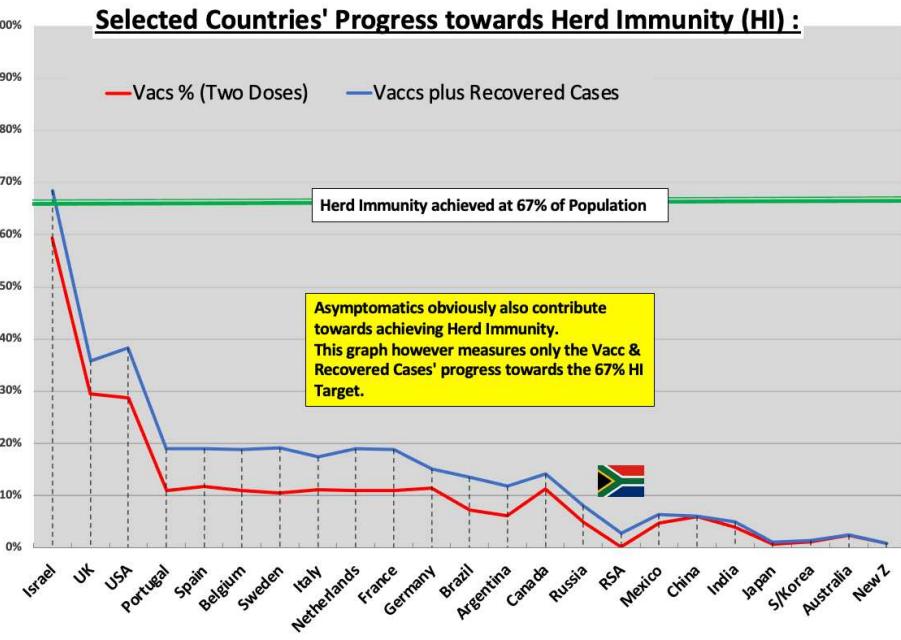


Selected countries who publish their VAC data : Vaccs per 100 Population (# >100 means into 2nd doses)



Selected Countries' Progress towards Herd Immunity (HI) :

How long will it take for RSA to achieve Herd Immunity Target at current rate of Vaccination ?



Vaccs to date: 292 623 (single dose)

Avg Vacs per day : 5 627

Herd Immunity Target : 31 000 000 approx 67% of RSA adult Pop
Revised down from 22m to 31m on 5 April 2021

15,1 Years



Excludes the contribution to Herd Immunity by Recovered and Asymptomatic Cases.

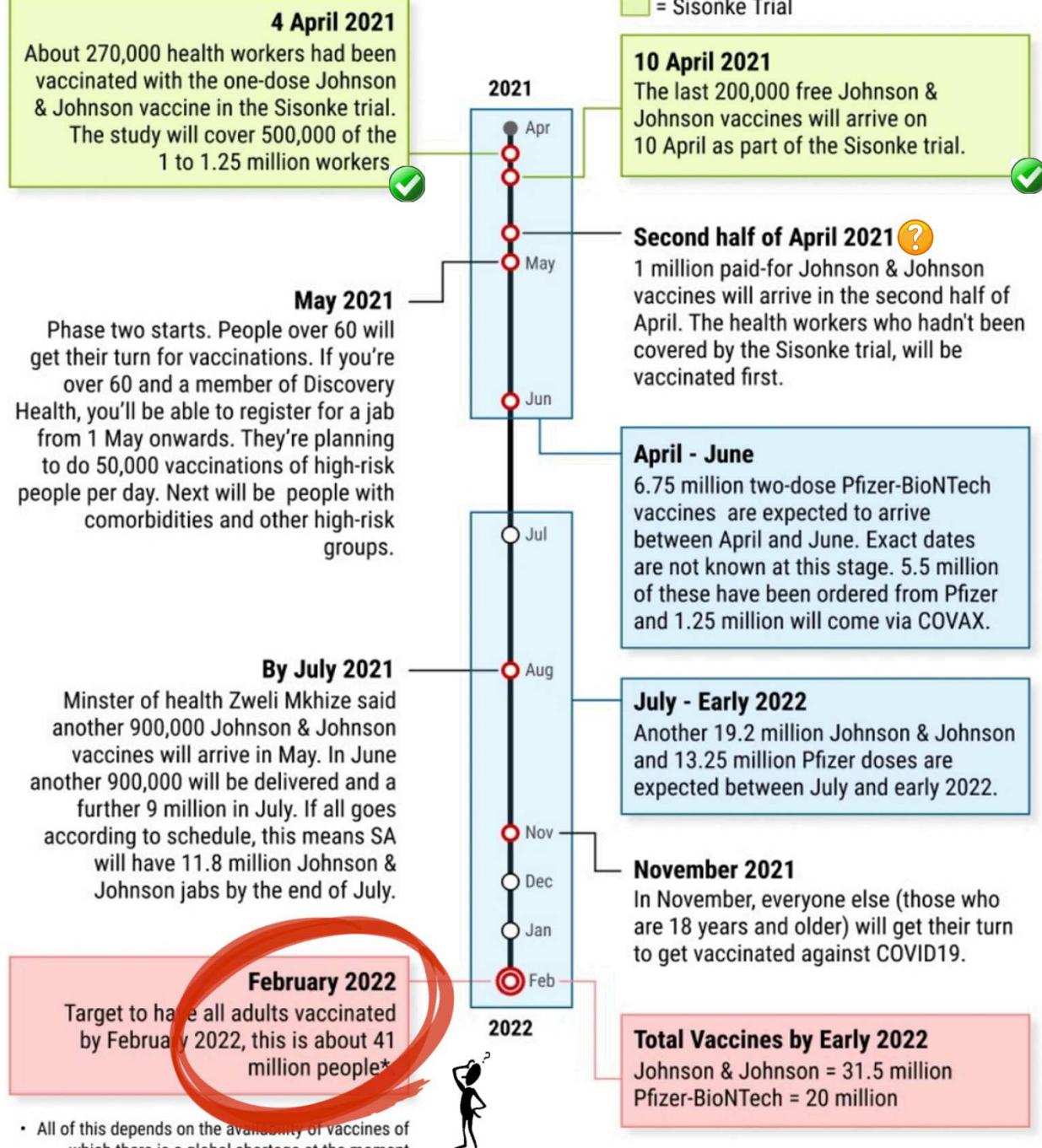
SA's vaccination plan for the next 10 months



Pfizer BioNTech requires two doses



Johnson & Johnson requires one dose



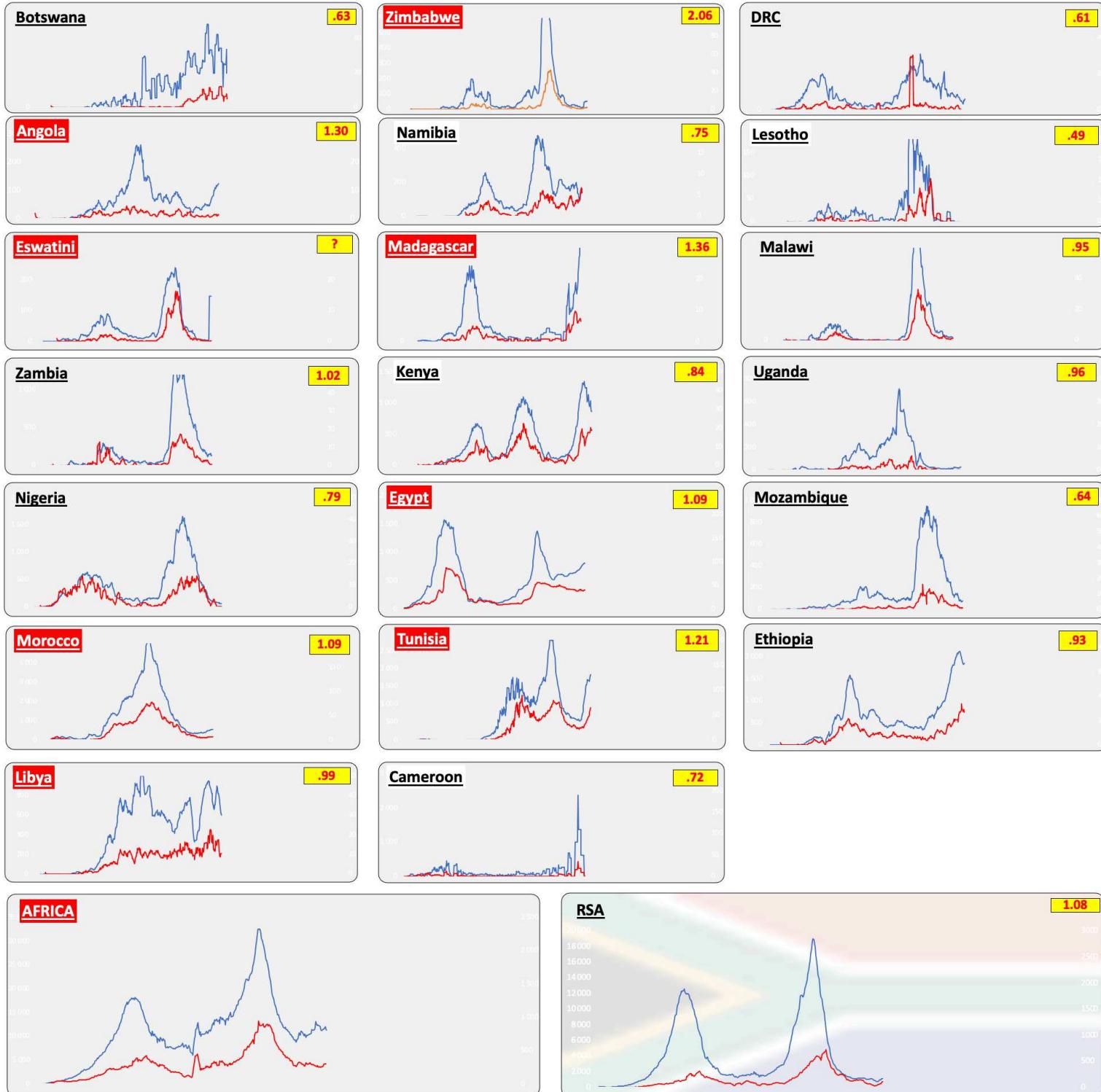
Africa Daily Reported New Cases & Deaths 7 Day MA

Page 6.2

 Noteworthy: Good data shows adverse trends

(Jan 2020 to Present)
CASES DEATHS

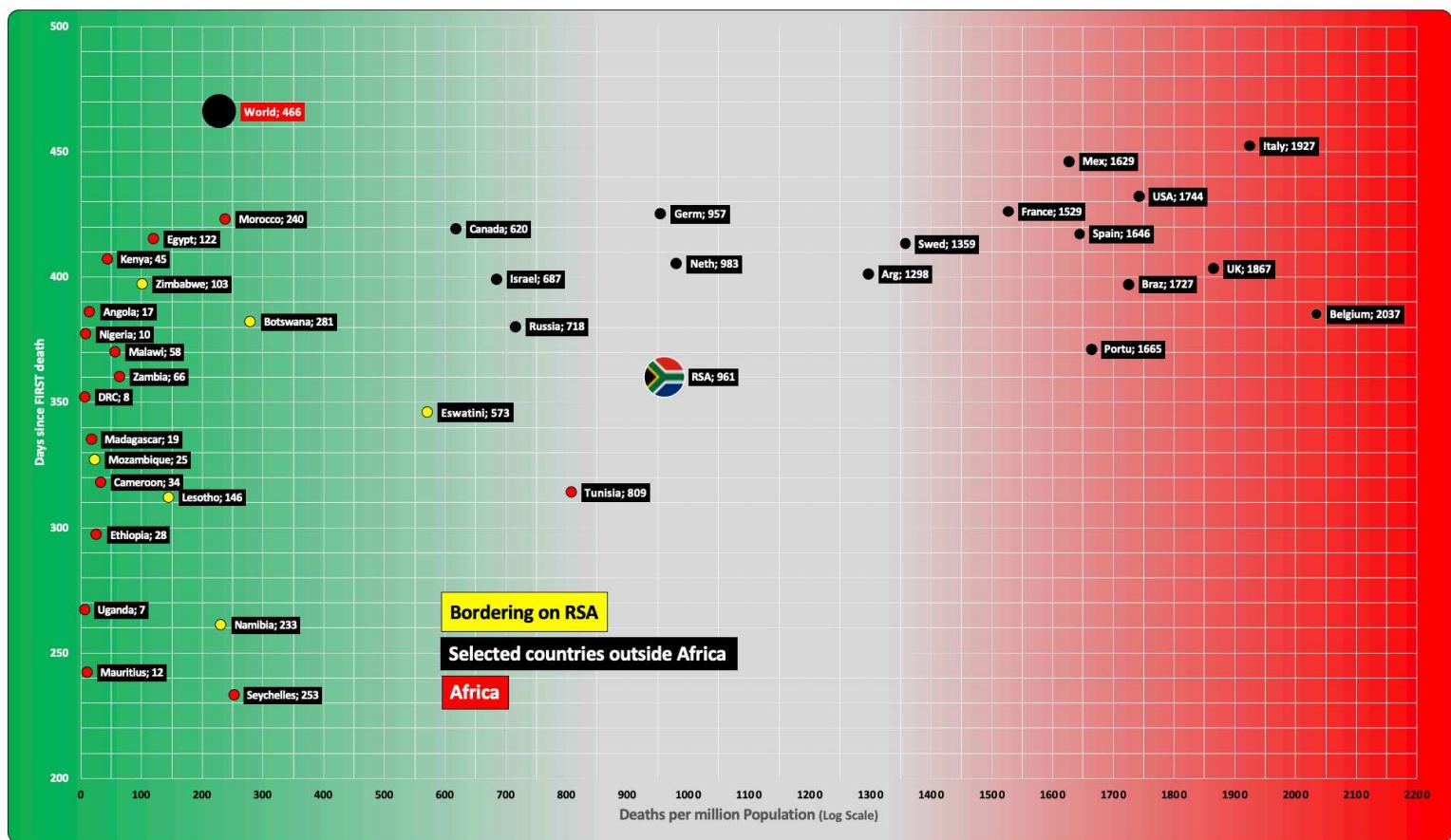
Latest Rt #'s



Data as at: 16 April 2021

Unless otherwise indicated

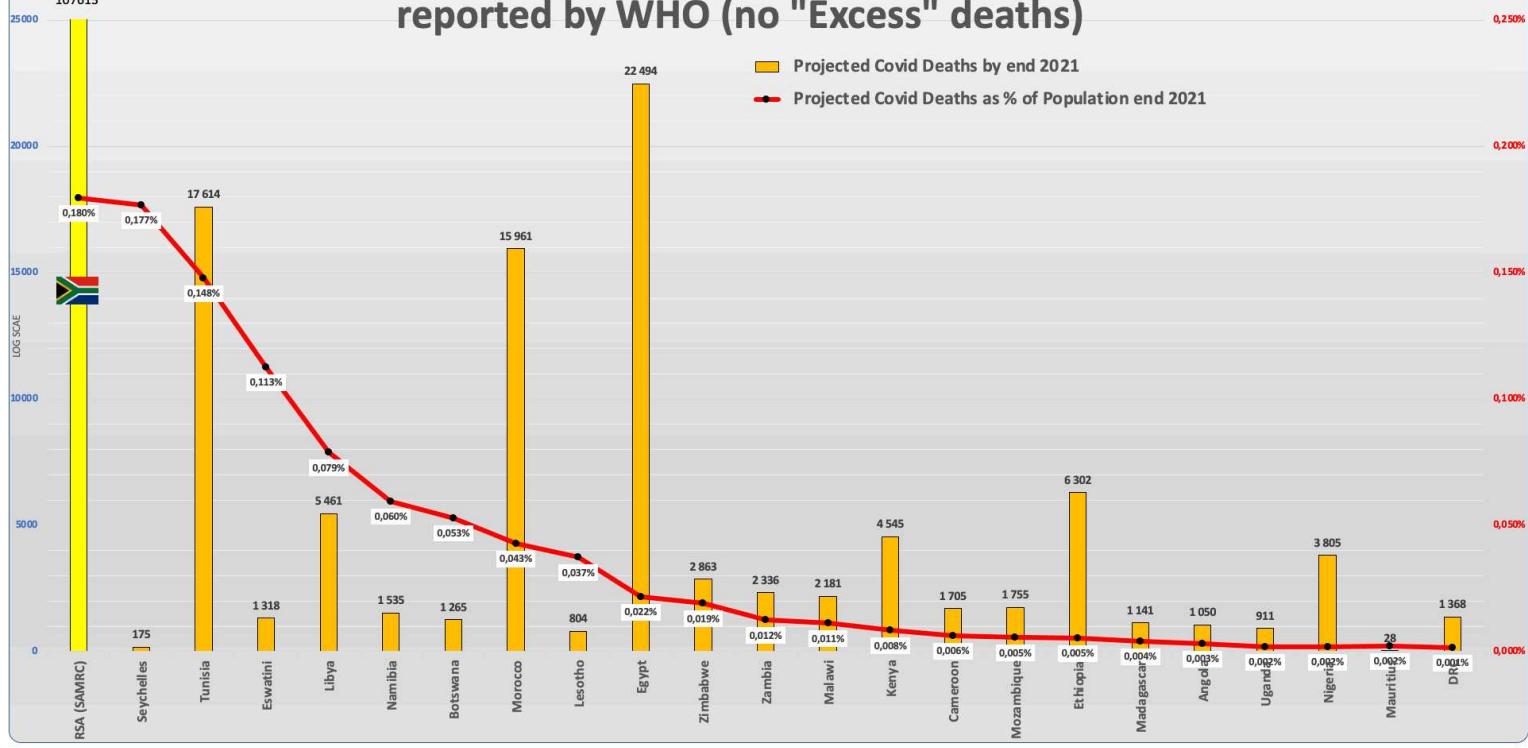
hdg 17 April 2021



Projected Deaths by end 2021 per country and % Deaths of Country

Populations at current officially reported Death Numbers as

reported by WHO (no "Excess" deaths)



A smile is the best vaccine....

