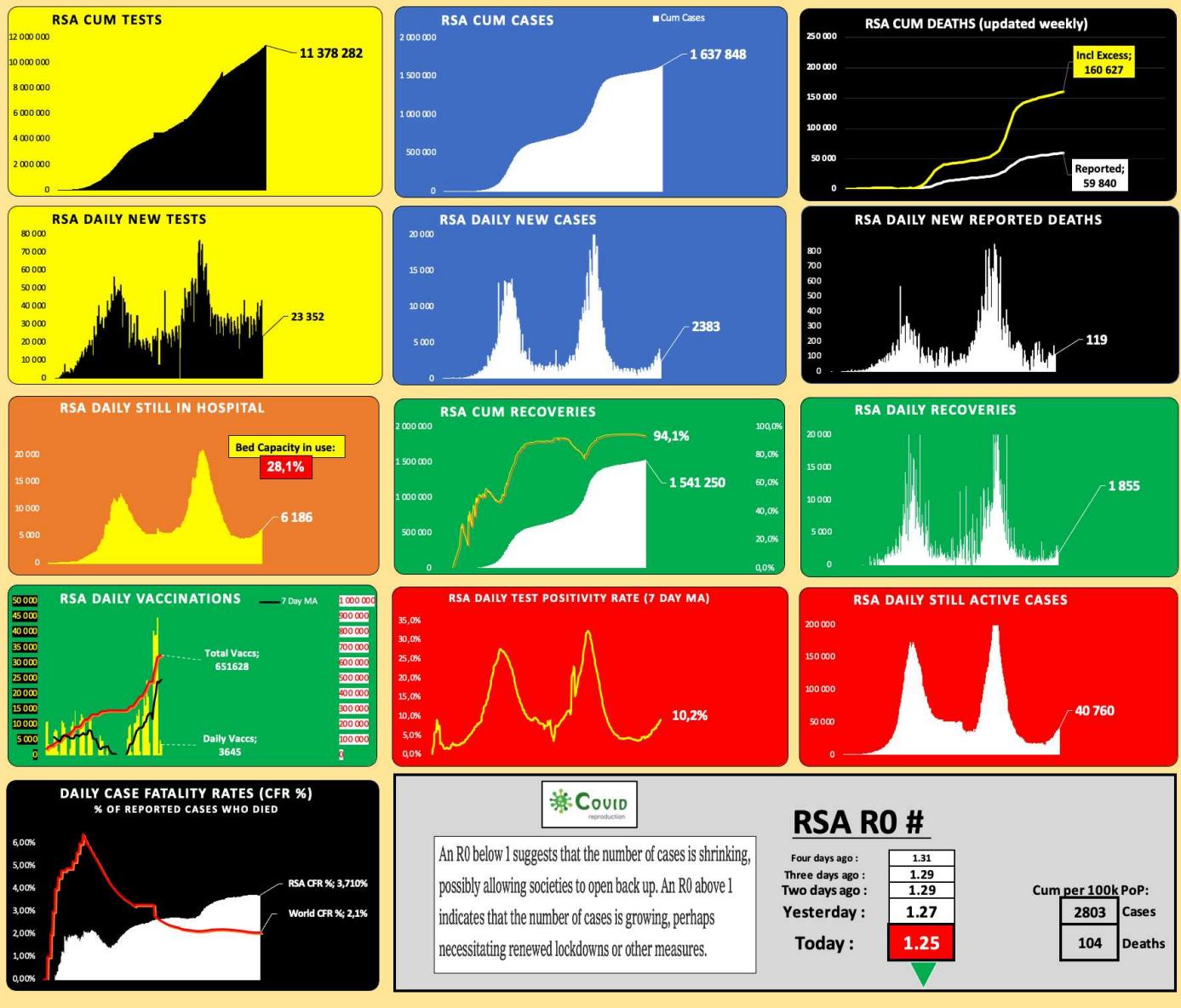


HarryG COVID-19 Dashboard

Page 1

Cum Cases		Daily Cases		RSA COVID-19 DASHBOARD				Daily Still in Hospital	% of Reported Cum Cases who Died (CFR)	Vaccinations:	
1 637 848	2 383		▼	6186	▲	3,71%	▲	Total	Yesterday	Avg	
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP		24 May 2021		% of RSA PoP who have died to date: <u>Incl Excess</u>					
40 760 ▲	27 353	1015		Cum Deaths	Daily	0,101%	0,268%				
Deaths Avg	Ages Median	Deaths Min Age	Deaths Max Age	60 772	119	Hospitalised					
62,4	57,6	0,2	106	Cases	Deaths						
Female :	57,7%	52,2%	3,13%	55,6%							
Male :	42,3%	47,8%	3,90%	44,4%							
24-May											
Cum Recoveries:											
1 541 250		94,10% ▼		Daily Test Positivity Rate:		10,2% ▲					



Data as at: 24 May 2021

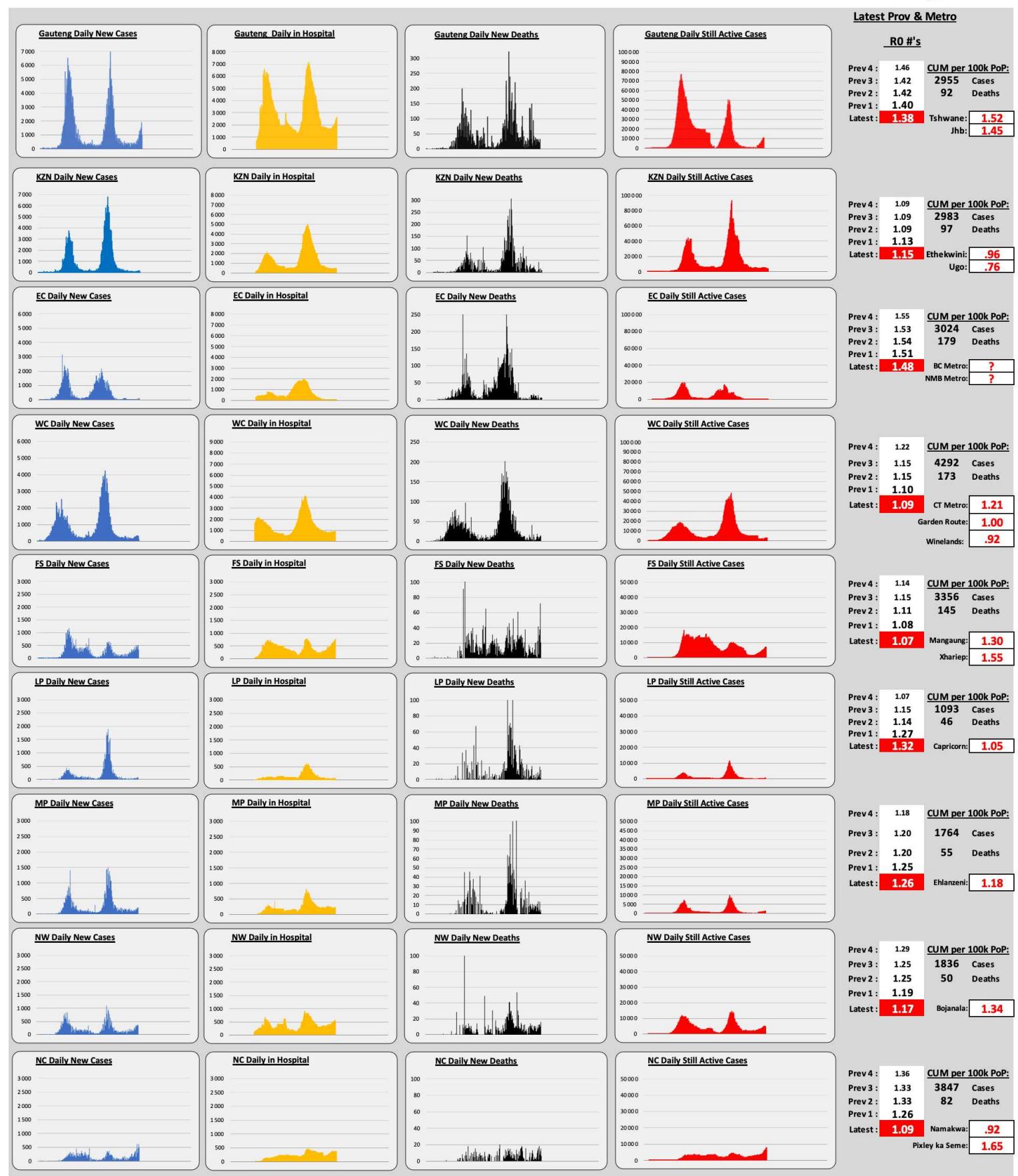
Unless otherwise indicated

hdg

25 May 2021

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

Page 1.1



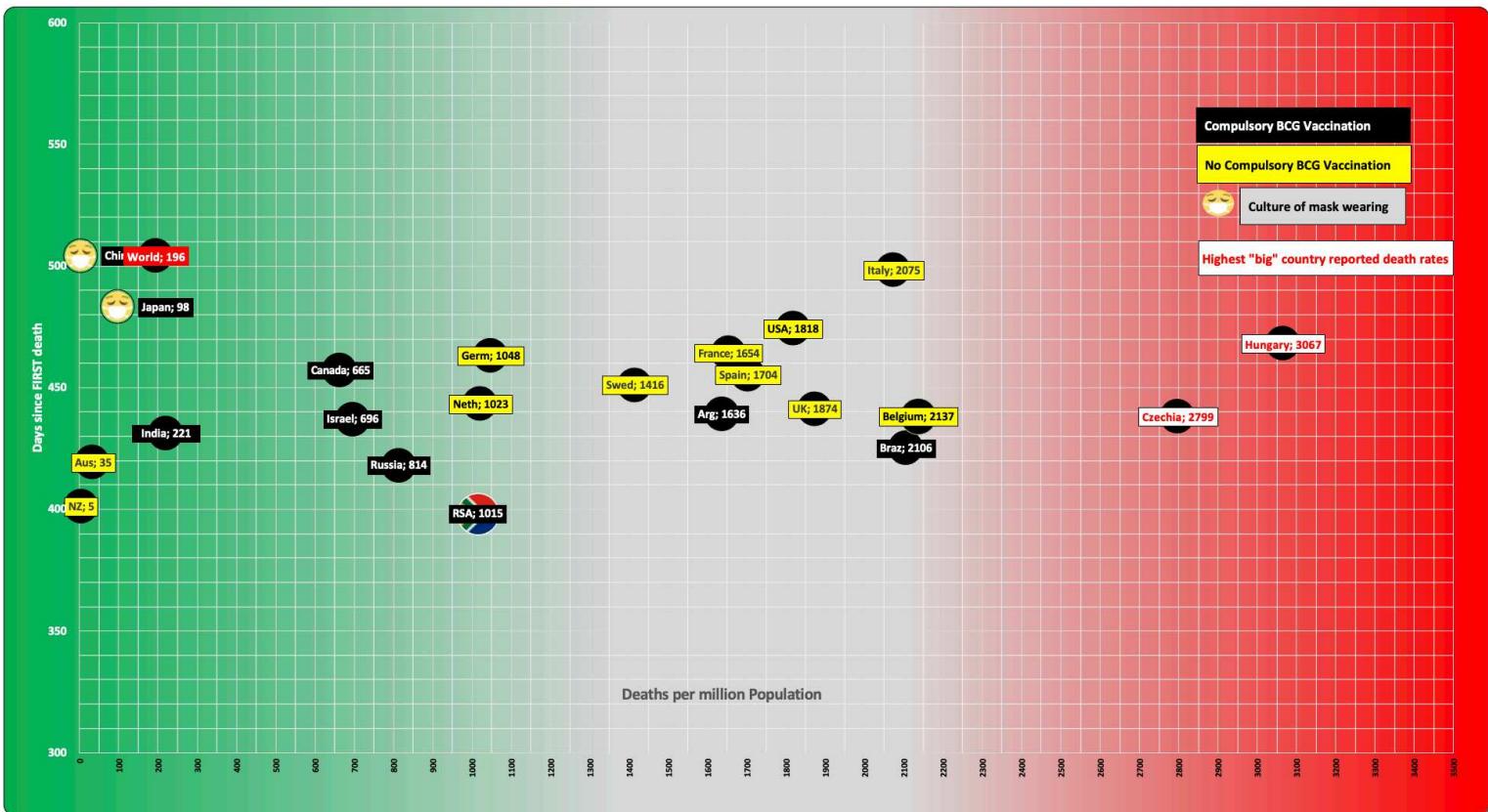
Data as at: 24 May 2021

Unless otherwise indicated

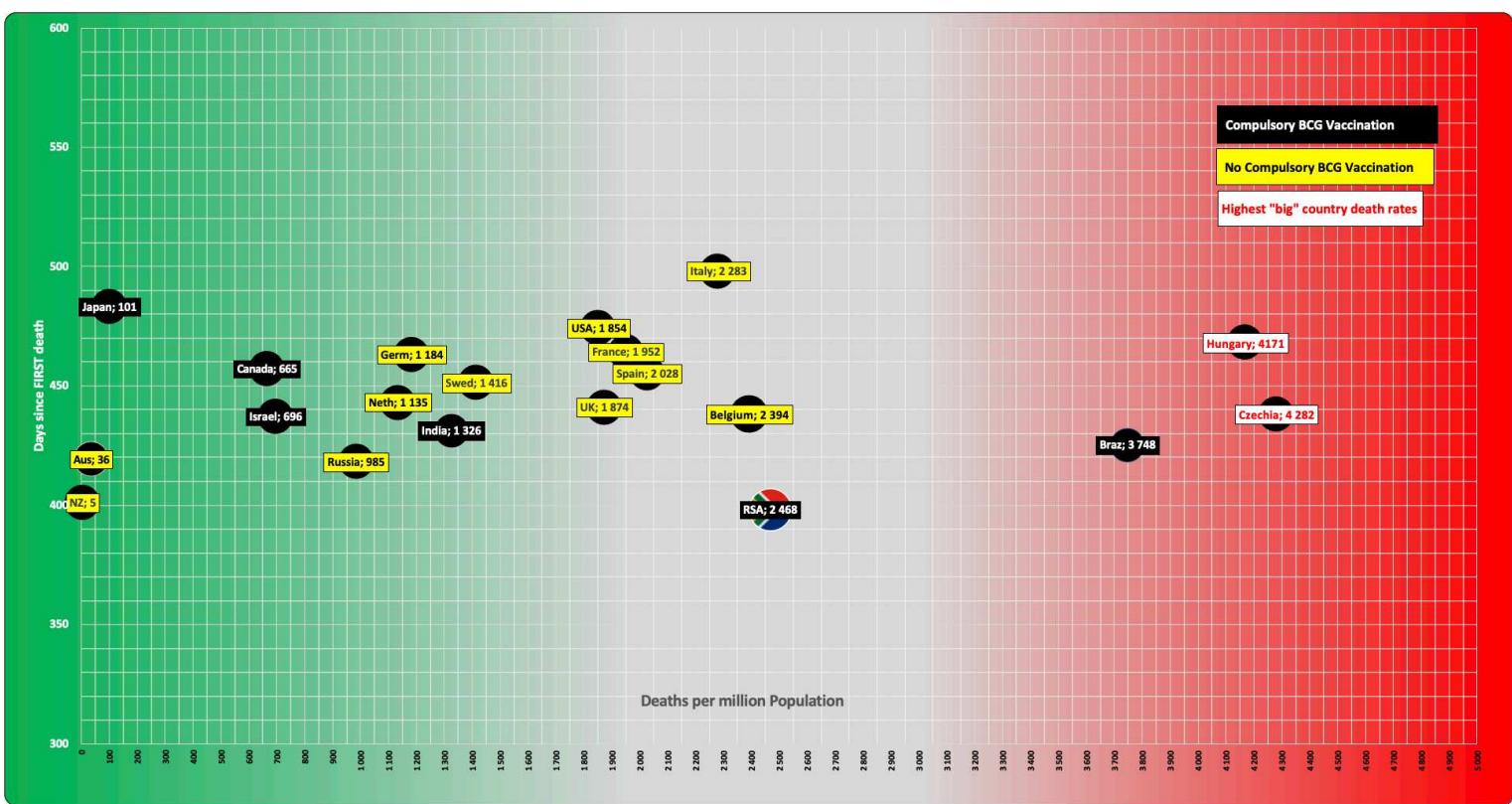
hdg 25 May 2021

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

- risk factors to consider
- people how many?
- space how close is the contact?
- time how long the exposure?
- location inside or outside?
- surfaces lots of high touch?
- area high number of cases?
- covidicity how likely is compliance?

LOW RISK

- but not social distance if you can't
- gas/petrol station
- older kid playdates
- walk in busy downtown
- vacation home with another family
- beach
- grocery shopping
- outdoor dining
- library/museum
- camping
- golf
- friend uses your bathroom
- vacation overnight (if driving)
- see your doctor
- outdoor exercise
- tennis

if both families have been taking care

MEDIUM RISK

- stay at a hotel
- small backyard barbecue
- small outdoor picnic
- public pool
- use a public restroom
- visit a mall
- get a haircut
- work in a shared office
- young kid playdates
- play ground
- eat at a restaurant (dine-in)
- send kids to school, camp, or daycare
- cinema/movie theatre
- ride the subway/bus
- watch for shared condiments
- limit time in common areas like lobbies

HIGH RISK

- airplane
- visit an elder in their home
- basketball
- bowling
- casino
- exercise at a gym
- nightclub
- attend a wedding or funeral
- see a concert or play
- hug or shake hands
- indoor party
- indoor bar
- sports stadium
- church
- buffet
- go out with someone you don't know well
- amusement park
- singing is very high risk : increases airborne viral spread

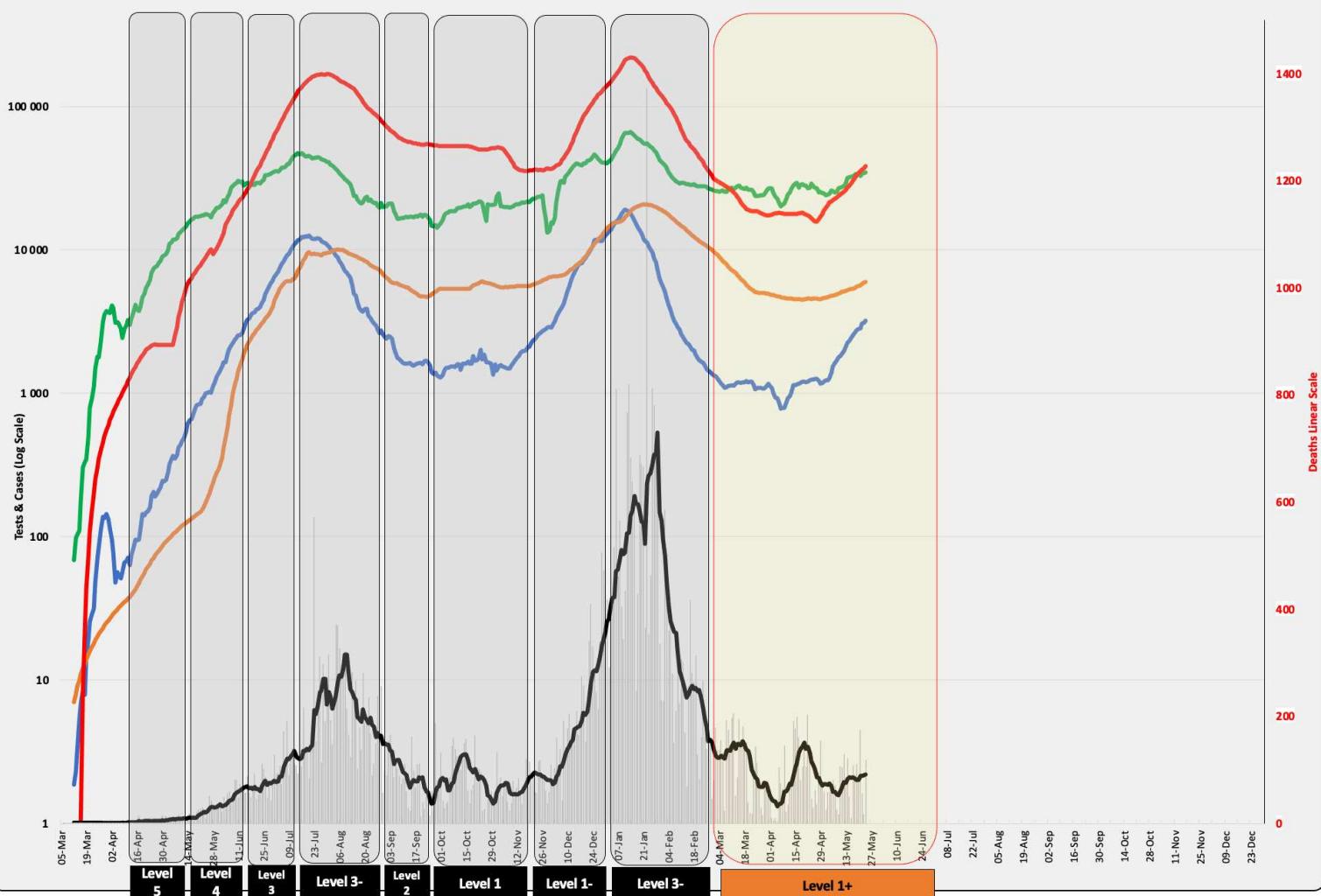
Risk reduced by wearing a mask, social distancing & washing hands

informationisbeautiful

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

RSA Daily Testing v Daily Cases v Hospitalisations v Daily Deaths (7Day MA)

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



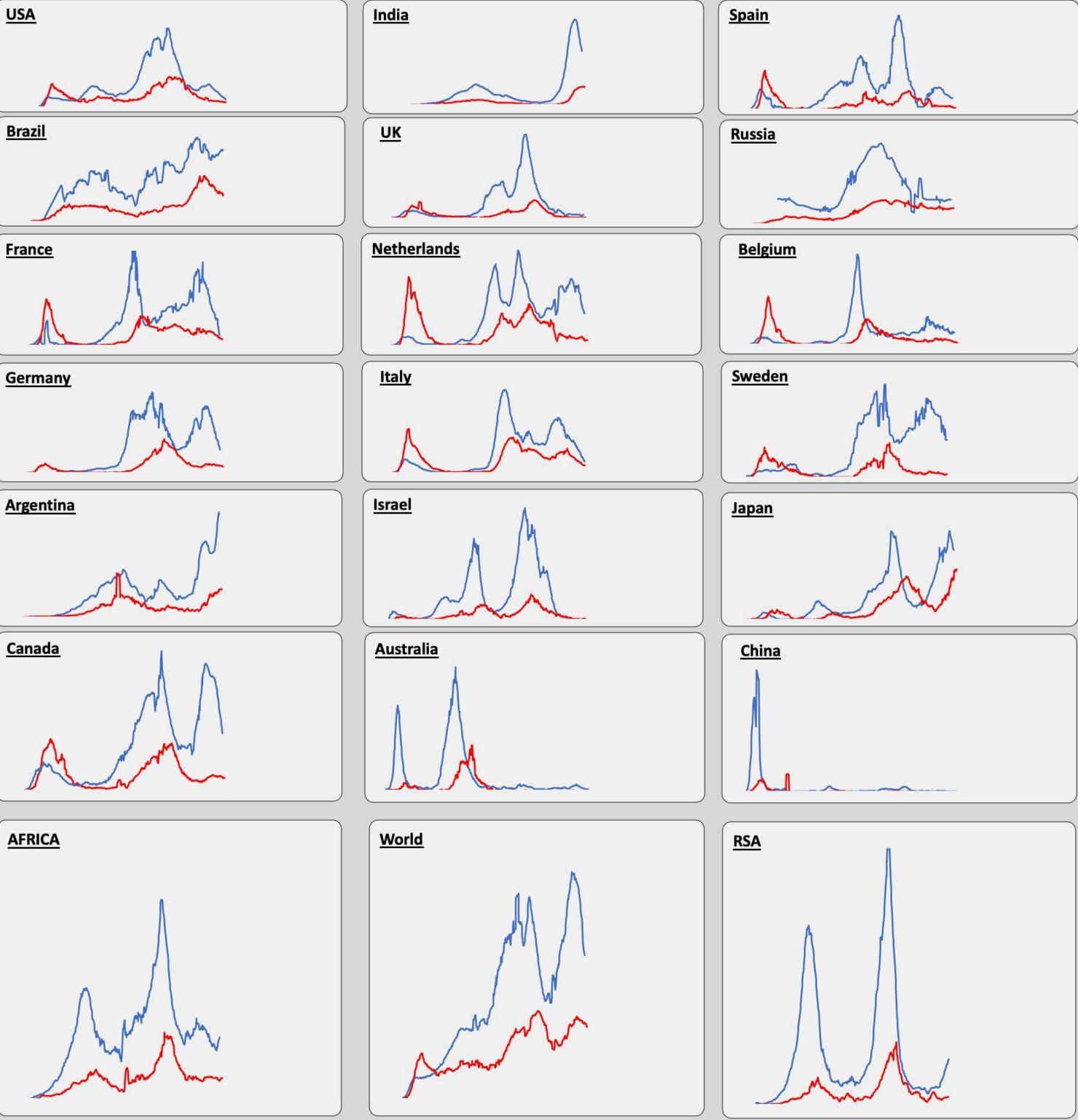
Data as at: 24 May 2021

Unless otherwise indicated

hdg 25 May 2021

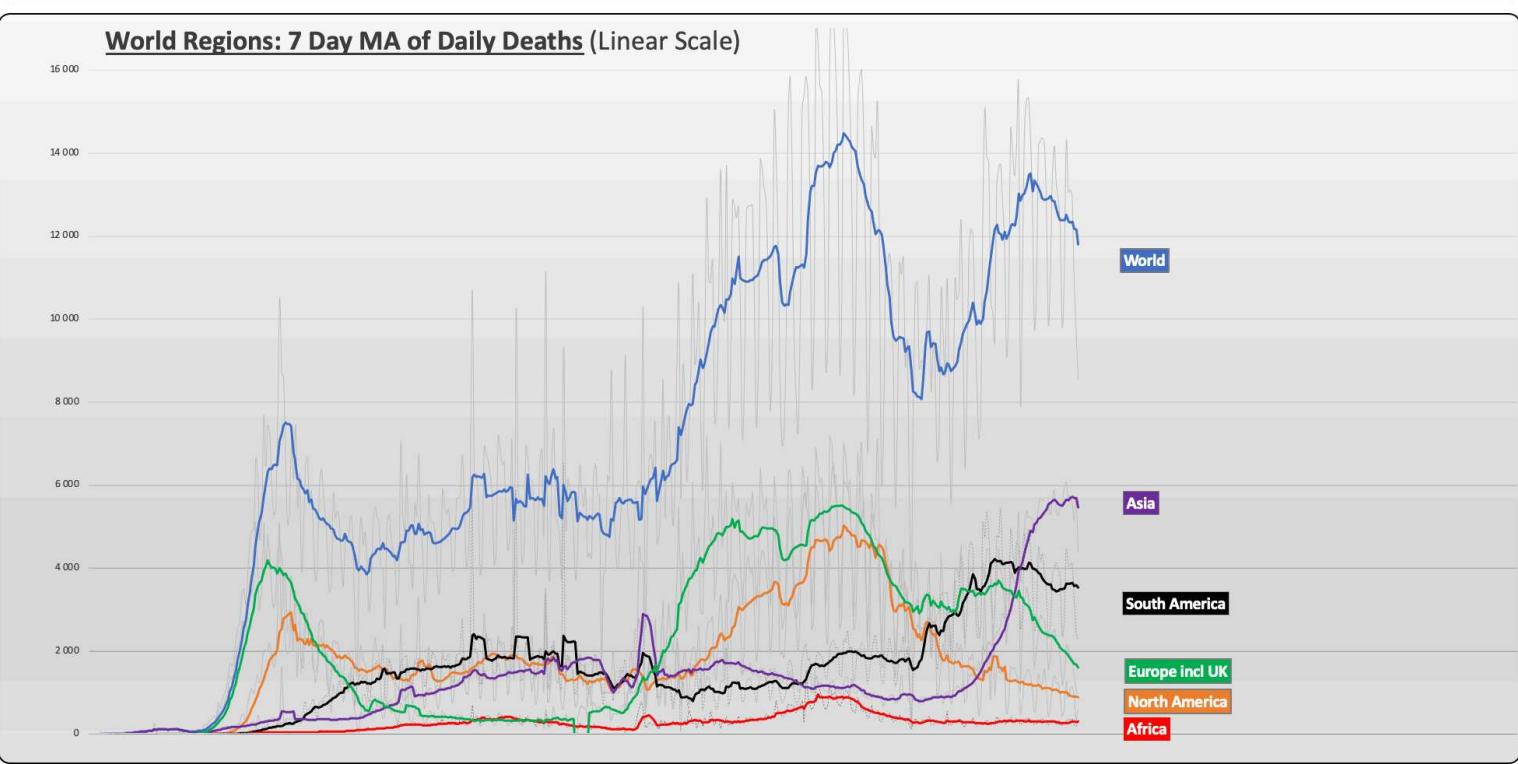
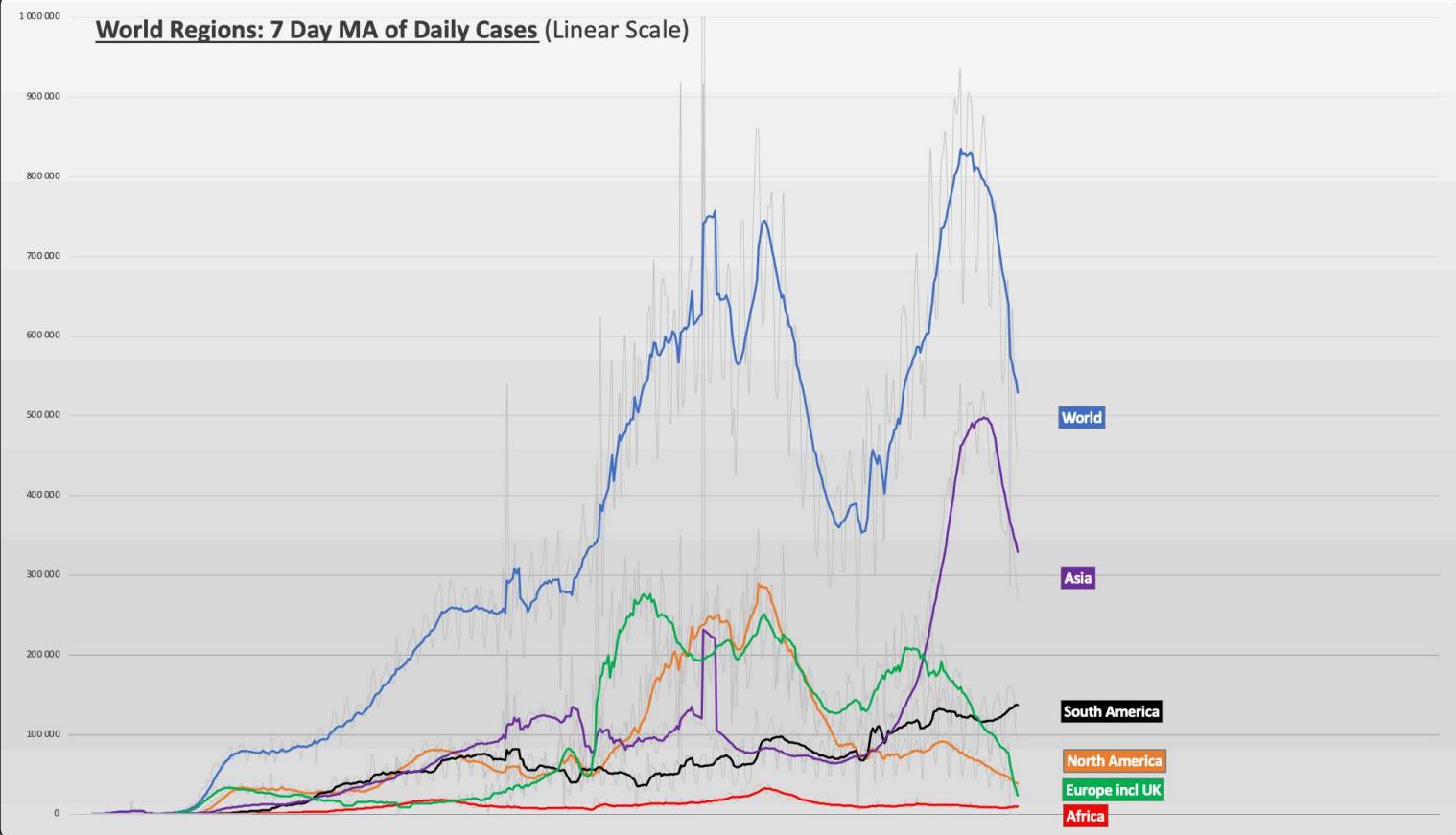
World Daily Reported New Cases & New Deaths
 (Two linear vertical axes, not proportional)

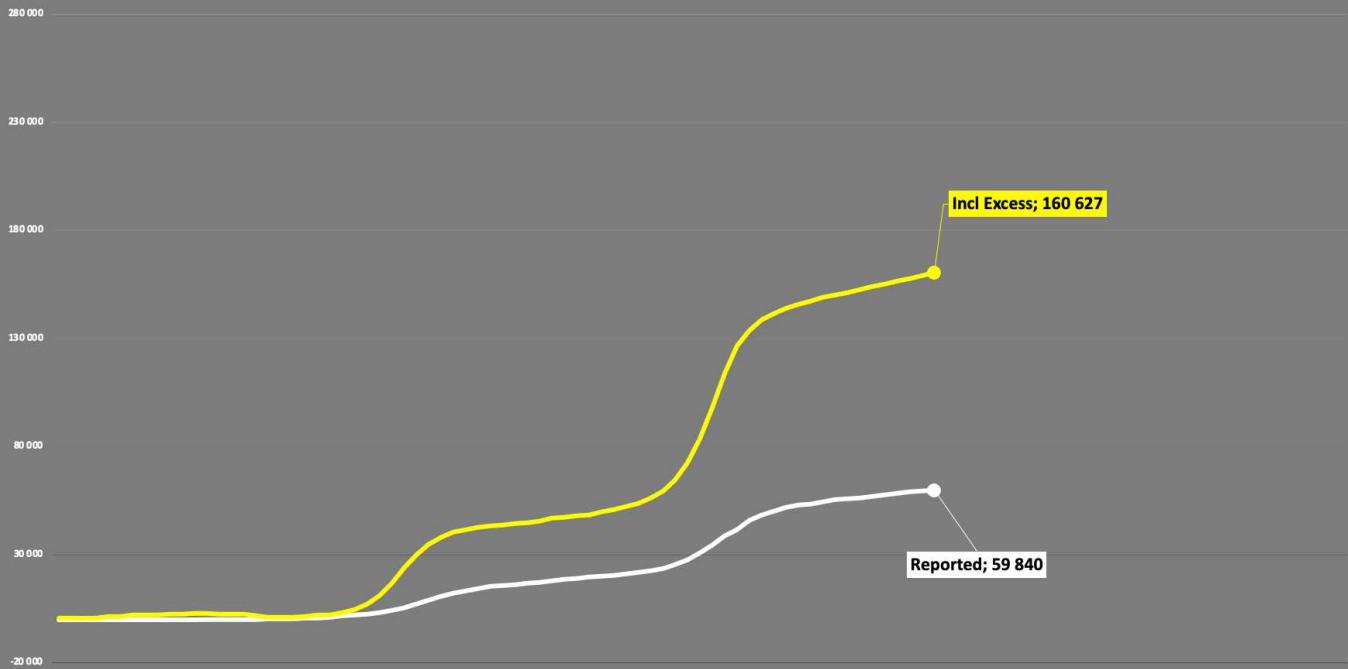
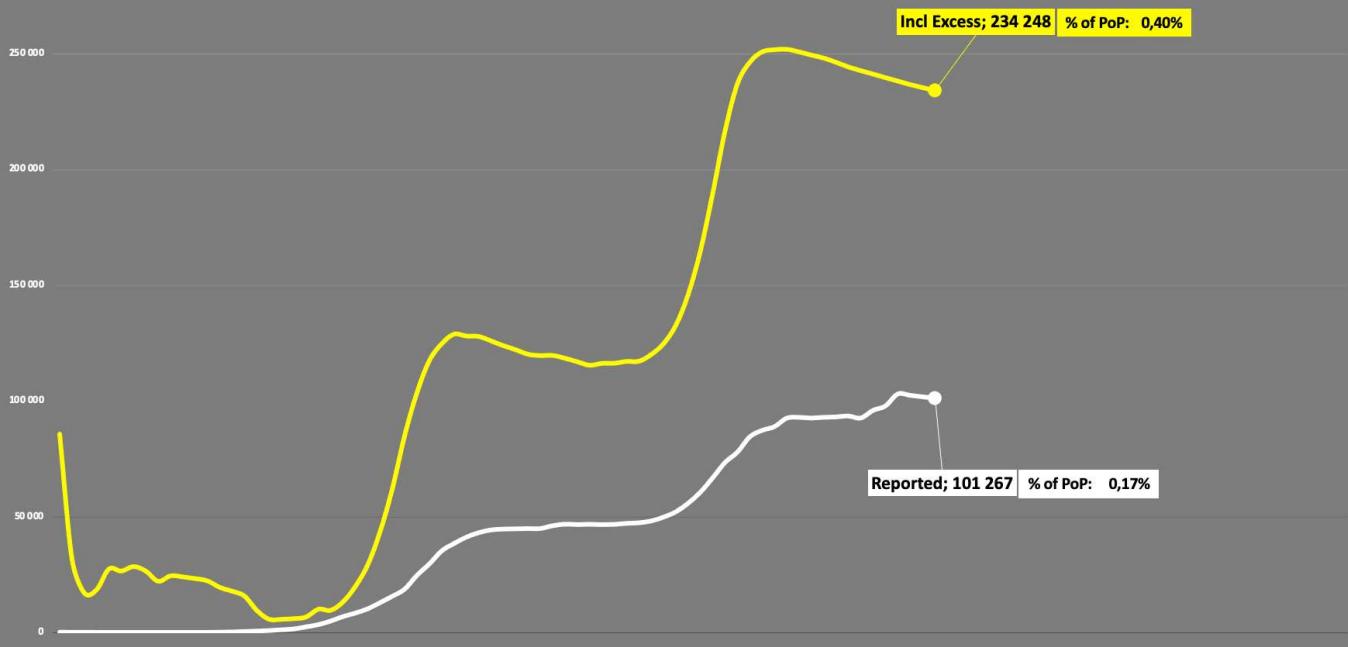
Daily Cases 7 Day MA
 Daily Deaths 7 Day MA



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

Page 3.0



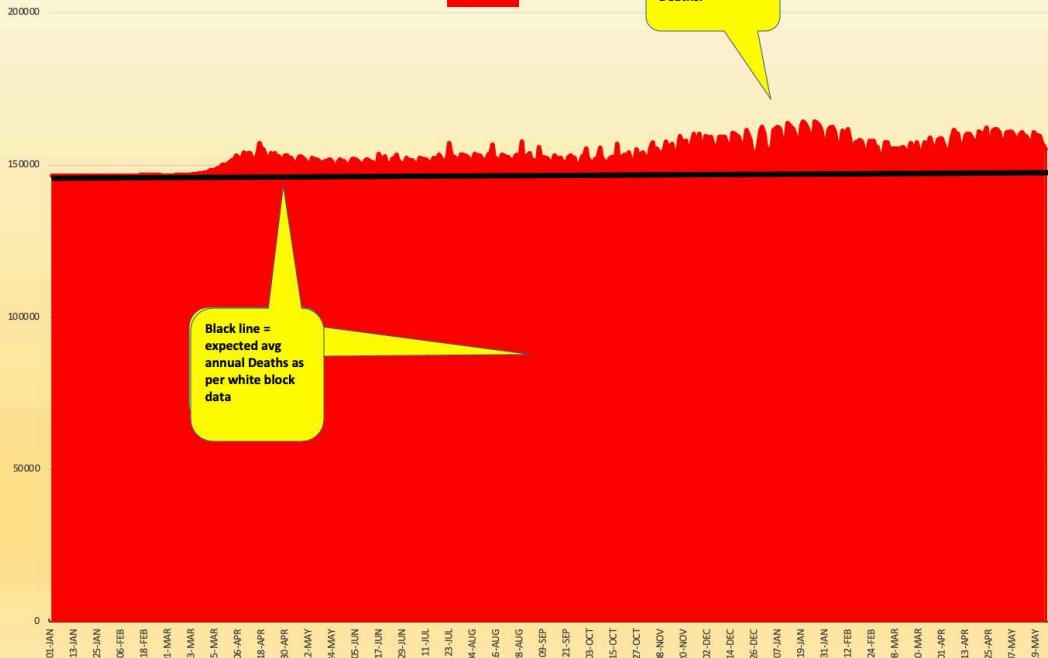
RSA CUM DEATHS (updated weekly)
Assuming 80% of Excess Deaths are Covid related.**RSA CUM DEATHS PROJECTED TO end 2021 (updated weekly)**
Assuming 80% of Excess Deaths are Covid related.

25:00

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

Avg Daily Covid Deaths 2020 to date: **6988**
Highest Daily Covid Deaths 2020 to date: **17654**
Latest Daily Covid Deaths 2020 to date: **8539**

Red line =
Reported Covid
Deaths.



WHO 2018 World Mortalities pd	
	146573
Cardio	46742
Cancer	26181
Respiratory incl Flu	17734
Digestive & Diarrheal	10800
Dementia	6889
Neonata	4887
Diabetes	3753
Liver	3624
Traffic	3406
Renal	3370
TB	3243
HIV	2615
Suicide	2275
Malaria	1698
Malnutrition	1375
Homicide	1111
Parkinson's	933
Natural Disasters	835
Meningitis	789
Childbirth	531
Alcohol Abuse	507
Drug Abuse	456
Armed Conflicts	355
Hepatitis	346
Climatic	146
Terrorism	72



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.

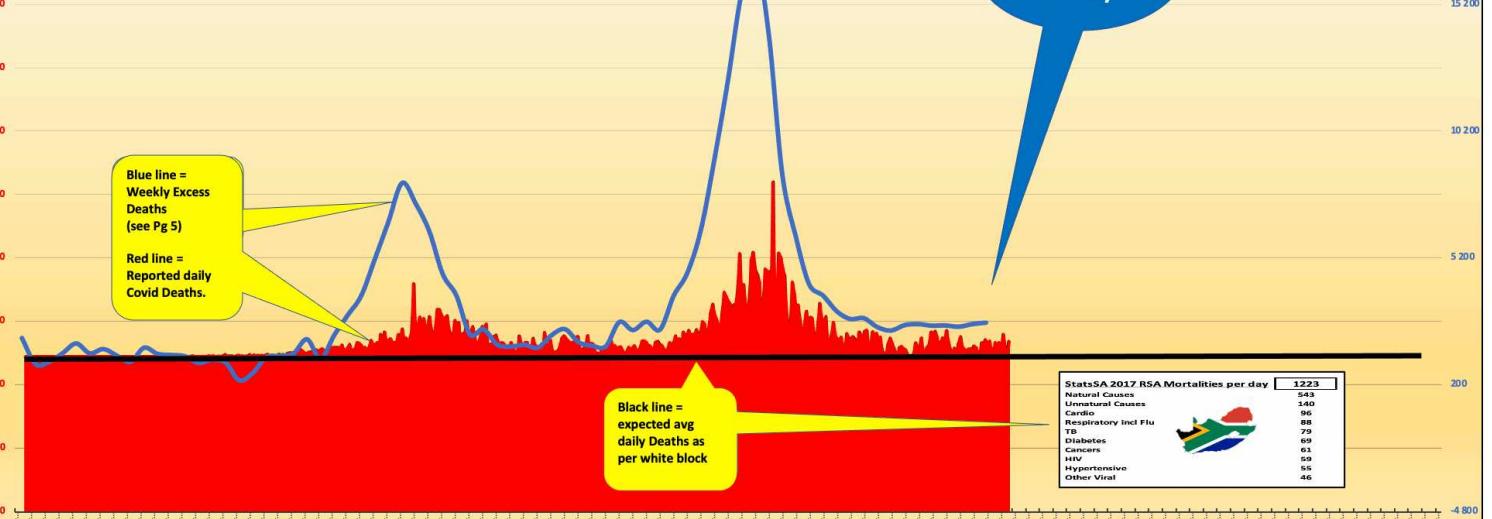
The RED area/lines on top of the red blocks are the INCREMENTAL Actual Daily Deaths due to Covid as officially reported.
The BLUE line in the bottom RSA graph shows the SAMRC Excess Deaths weekly numbers.

Avg "normal" 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: **119**

Weekly Excess
Deaths at
14 May

Black line =
expected avg
daily Deaths as
per white block



StatsSA 2017 RSA Mortalities per day	
Natural Causes	543
Unnatural Causes	140
Cancer	94
Respiratory incl Flu	88
TB	79
Diabetes	69
Cancers	61
HIV	59
Hypertensive	54
Other Viral	46

Data as at:

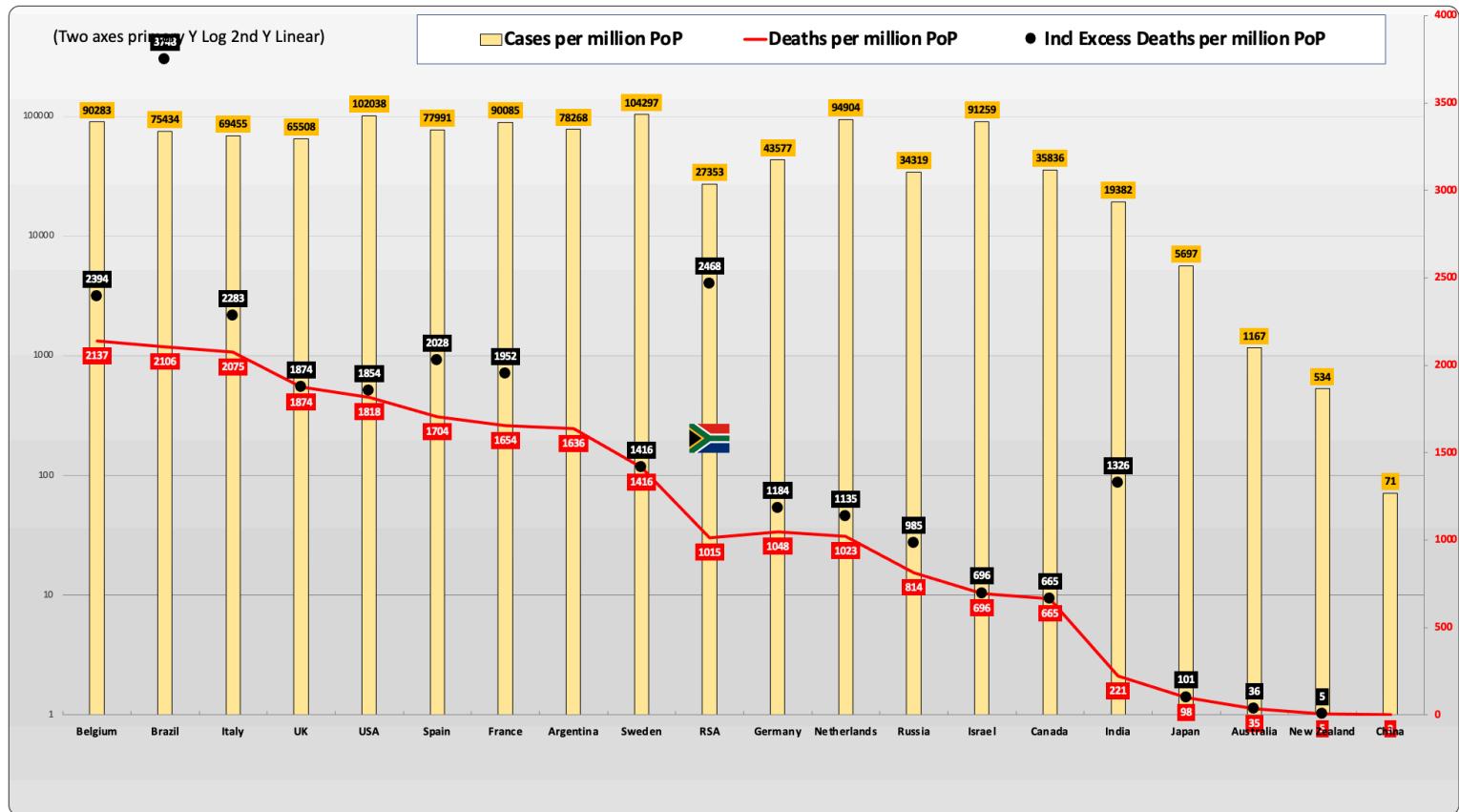
24 May 2021

Unless otherwise indicated

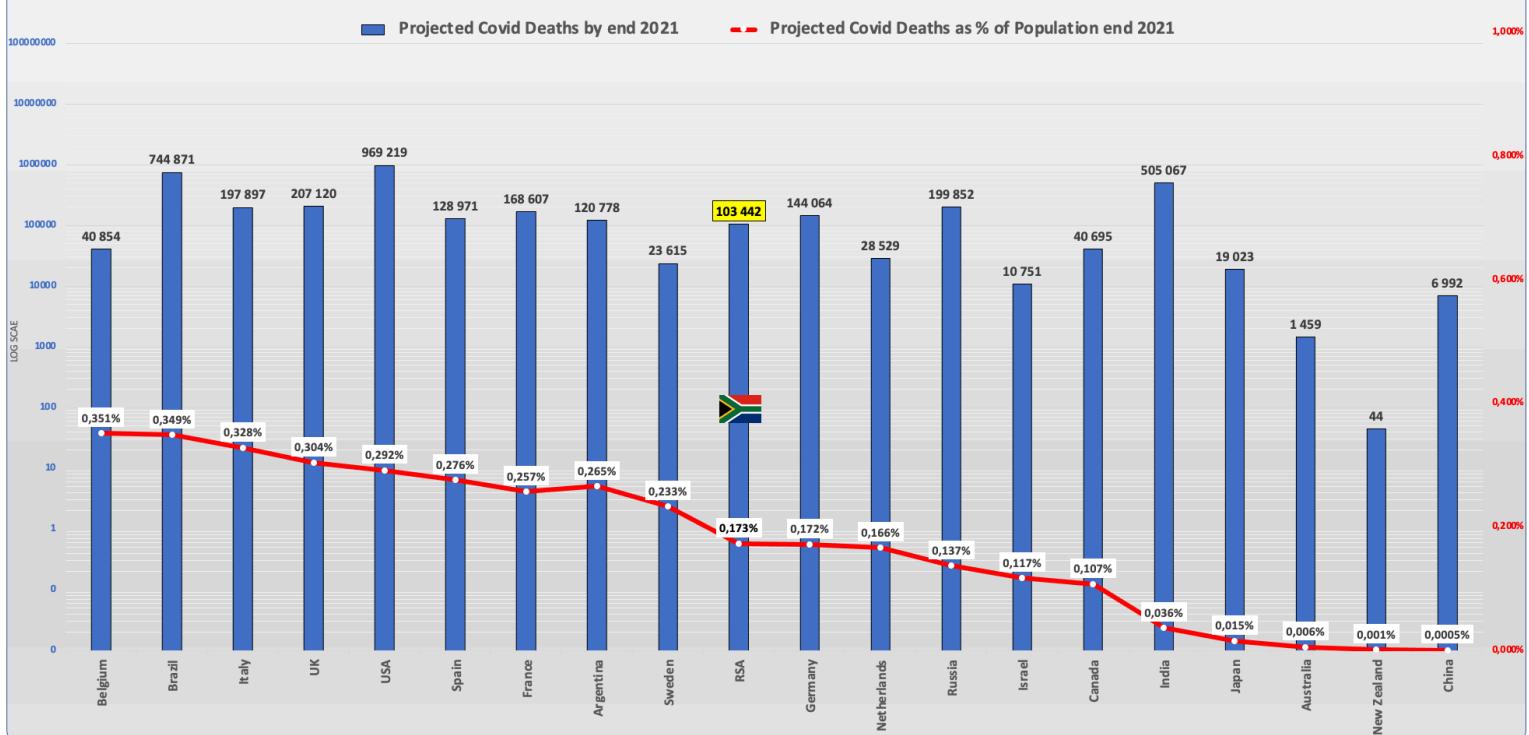
hdg 25 May 2021

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: 24 May 2021

Unless otherwise indicated

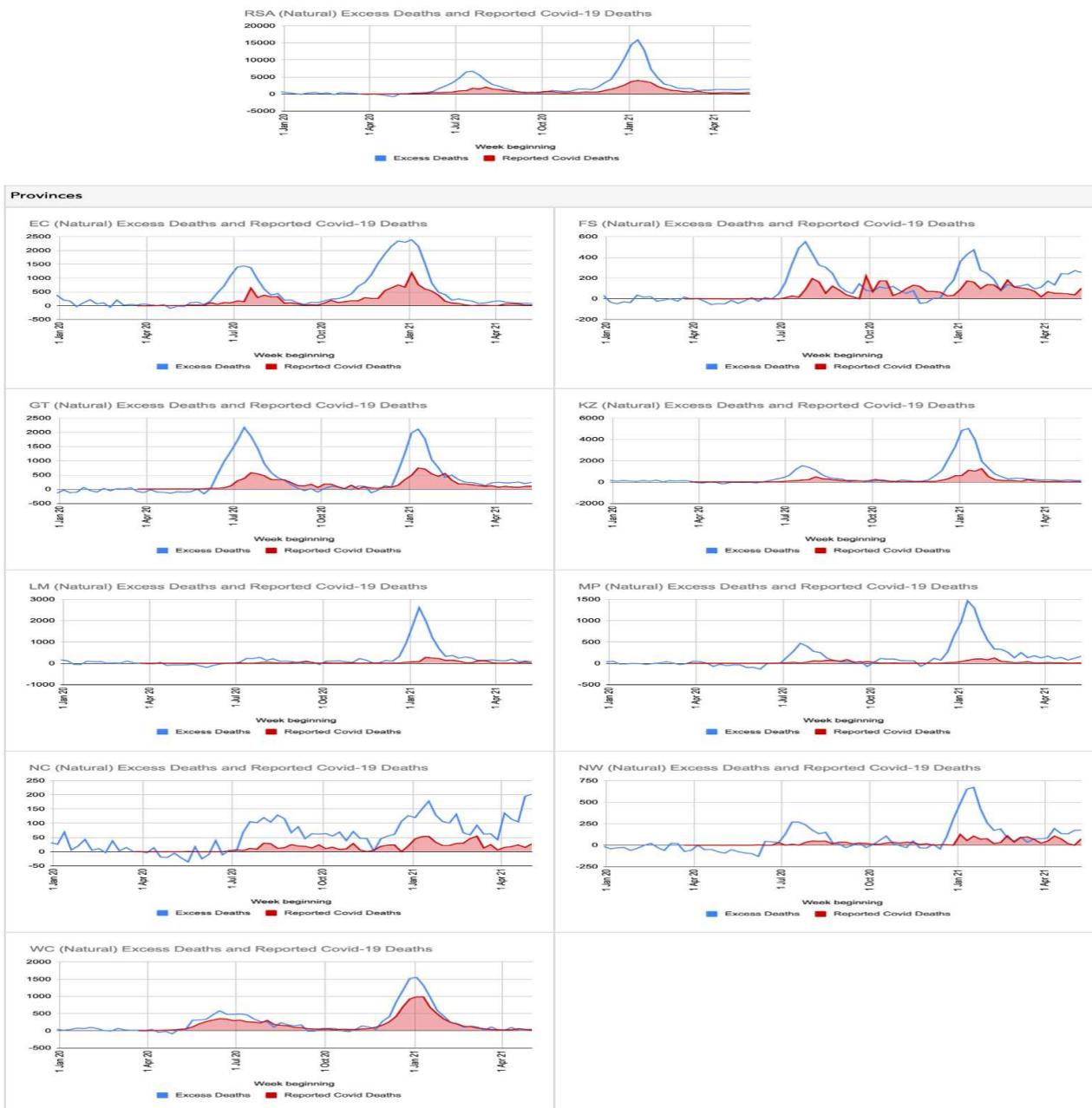
hdg 25 May 2021

RSA Excess Deaths as per SA Medical Research Council

as at: 14 May 2021

Page 5

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 been increasing slightly with the number of reported 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, either directly (home/rural deaths) and/or indirectly (limited access to hospitals).

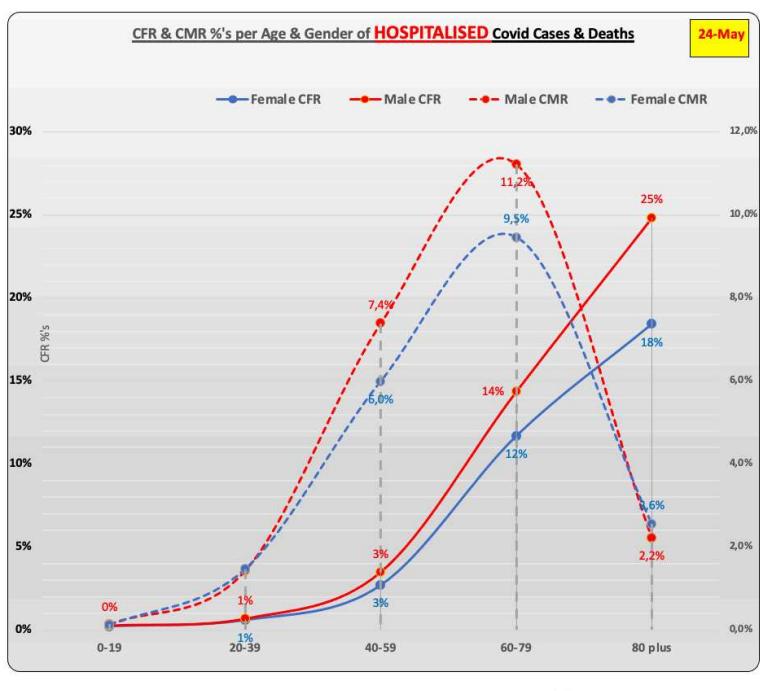
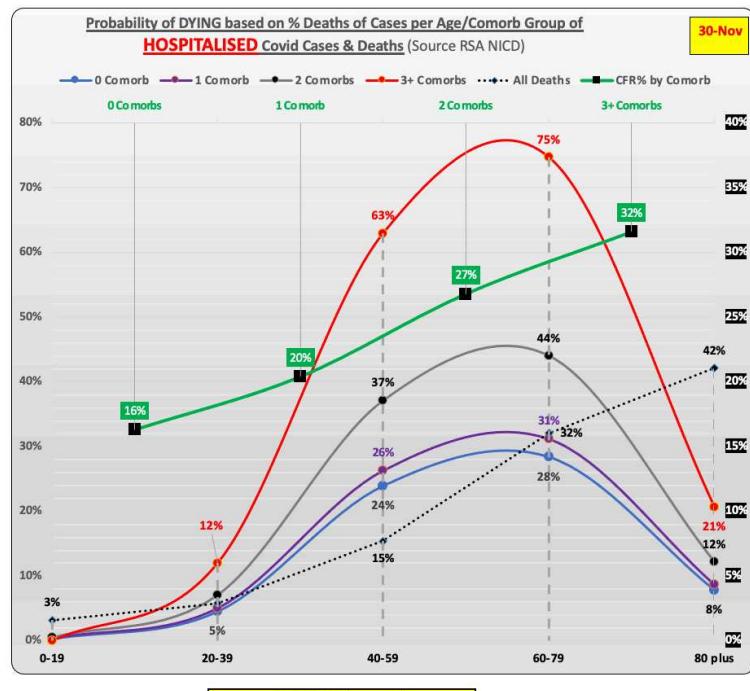
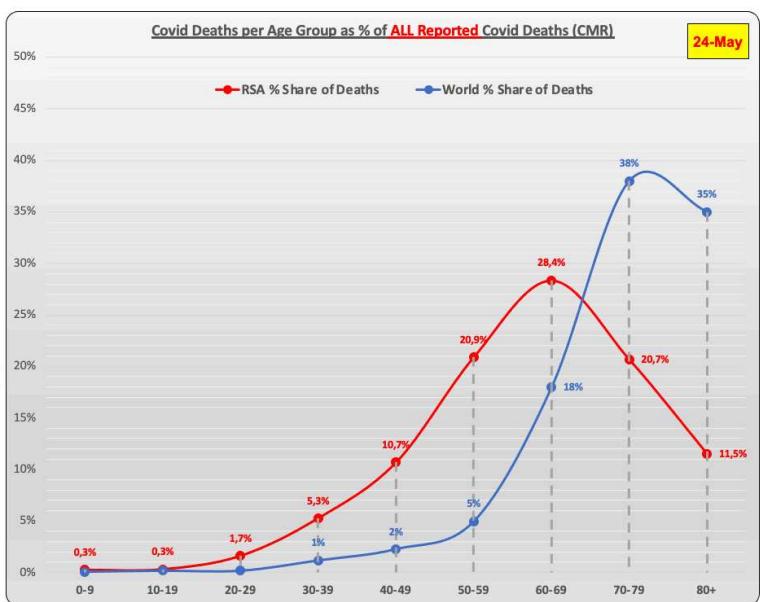
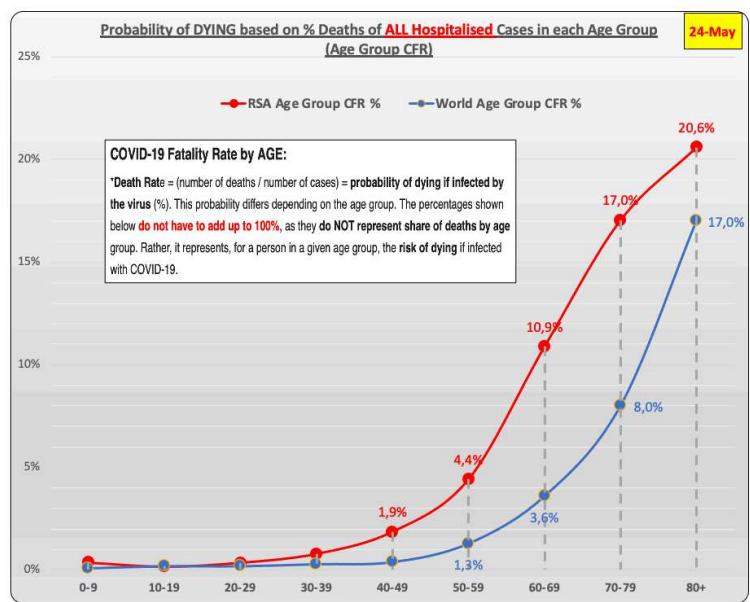
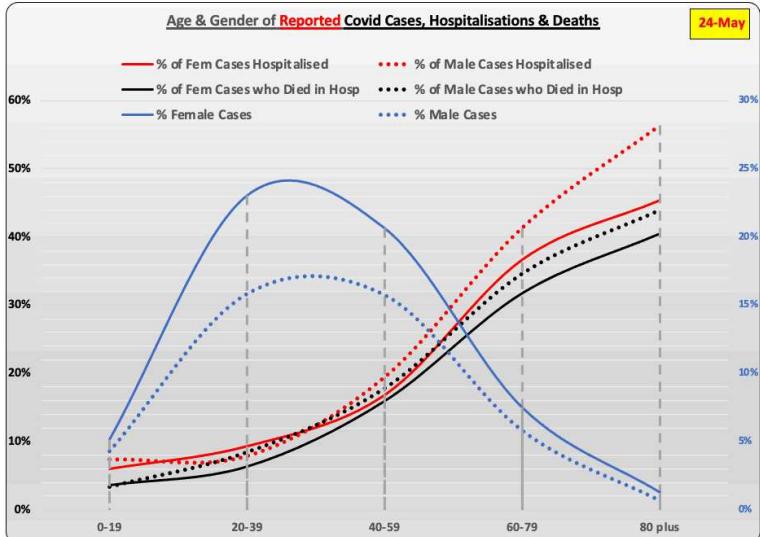
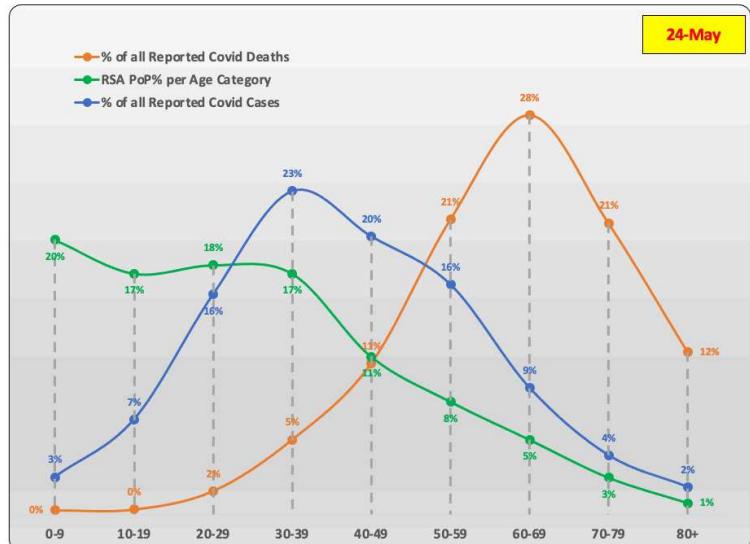
Data as at: Latest Available

hdg

25 May 2021

RSA Age & Gender Stats

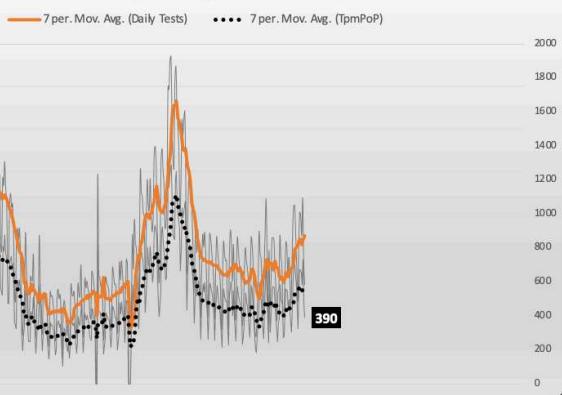
Page 5.1



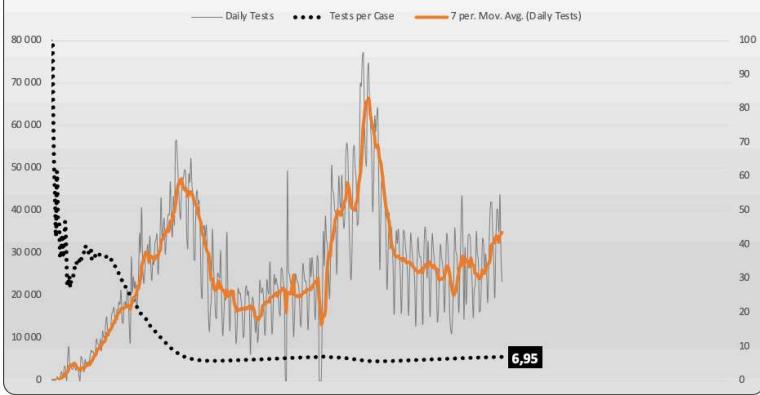
RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 5.2

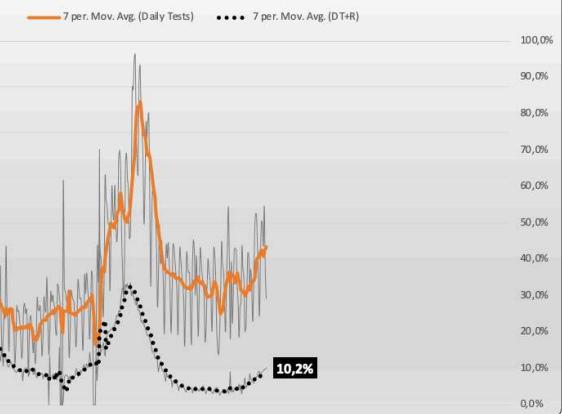
RSA: Daily Tests per million PoP



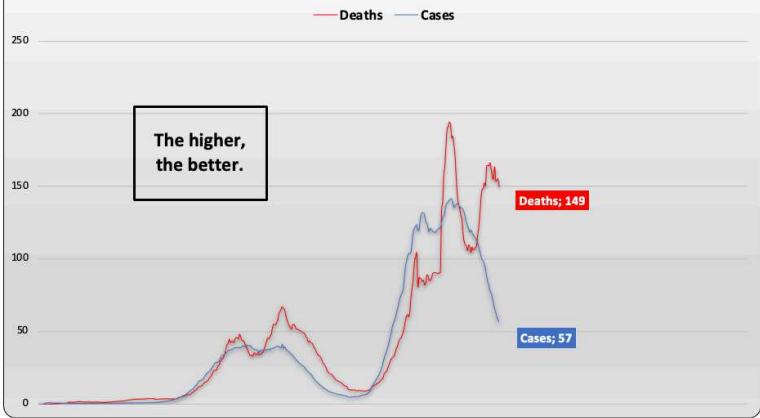
RSA: Daily Tests per Case



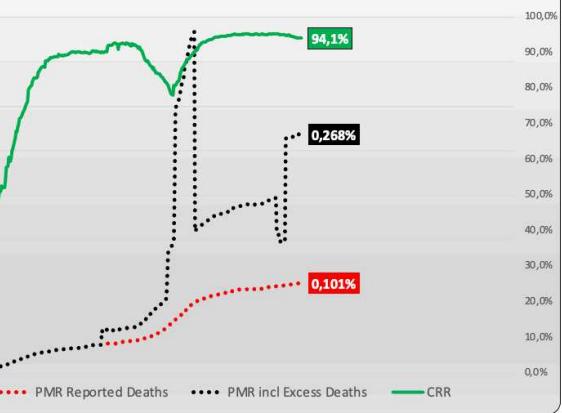
RSA: Daily Tests Positivity %



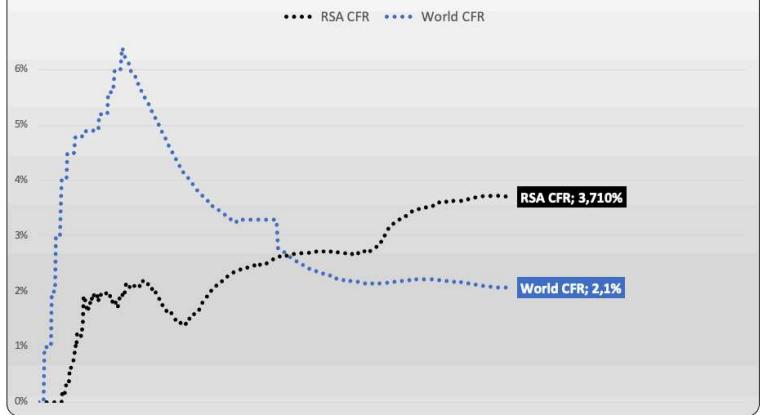
RSA Doubling Times in Days



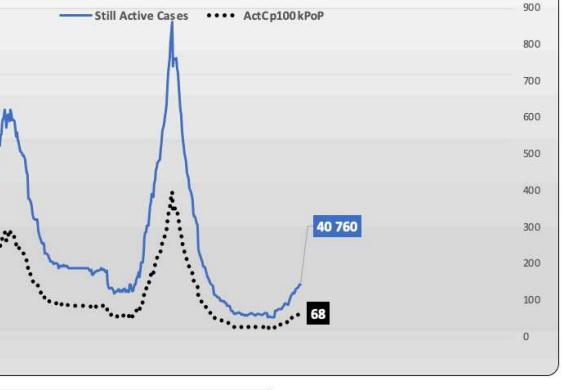
RSA: Case Recovery Rate & PoP Covid Mortality Rate



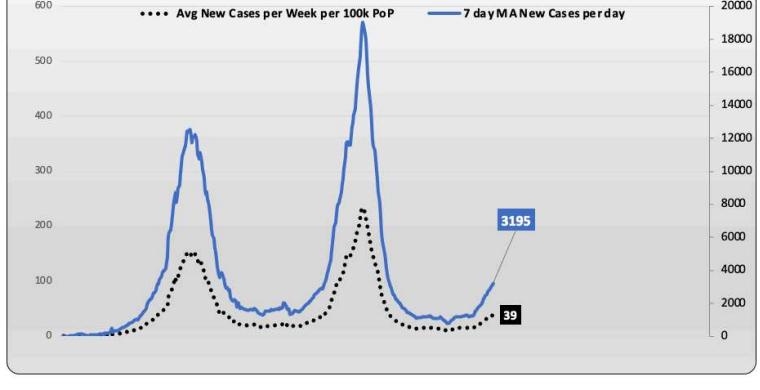
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Still Active Reported Cases per 100k PoP



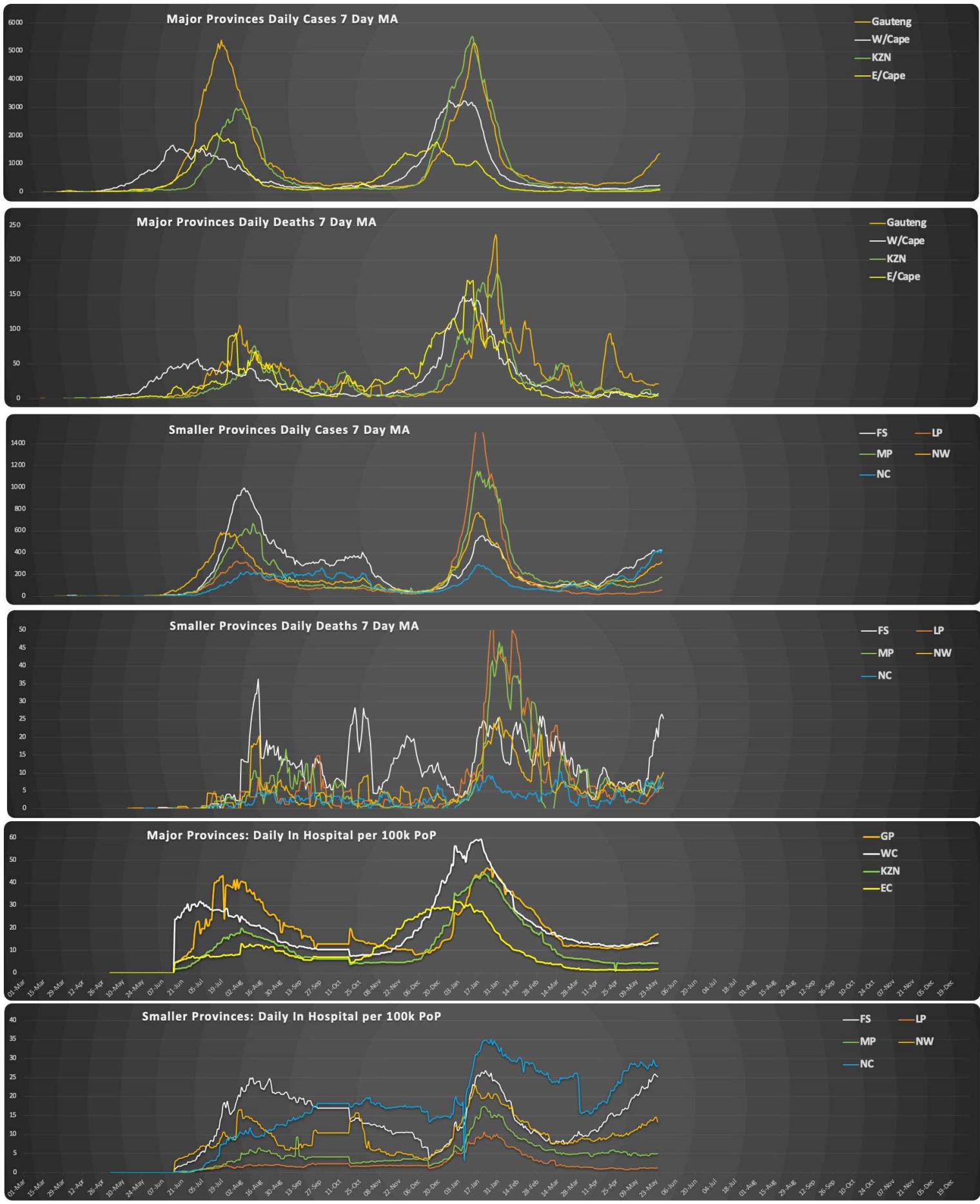
RSA: Avg New Reported Cases per week per 100k PoP



RSA & Provinces Key Data Sets

All linear scales

Page 5.3



Data as at:

24 May 2021

Unless otherwise indicated

hdg

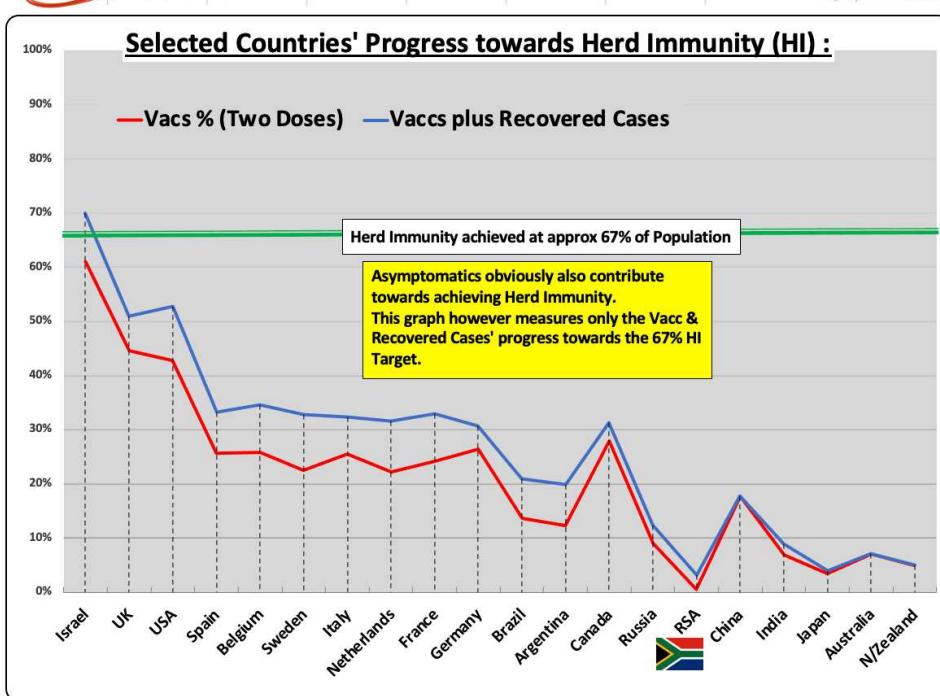
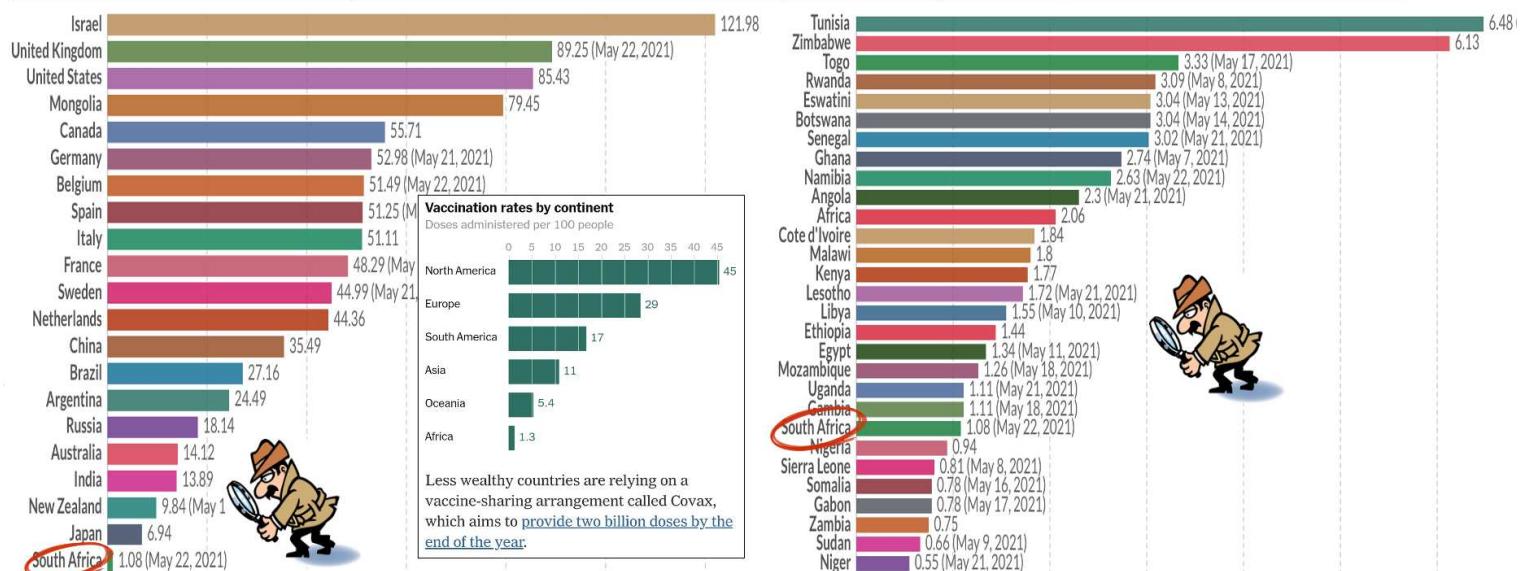
25 May 2021

Vaccination Data

Page 6



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



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

Vaccs to date: 651 628 (single dose) Avg Vaccs per day : 7 240

Herd Immunity Target : 40 400 000 approx 67% of RSA adult PoP Revised up by Govt from 41m to 40.4m on 7 May 2021

15,3 Years



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

South Africa's vaccination plan

Page 6.1

Updated 7 May 2021



Pfizer BioNTech requires two doses



Johnson & Johnson requires one dose



■ = Sisonke Trial

□ = National Rollout

VACCINATION ROLLOUT

28 April 2021

The Sisonke study, which uses the Johnson & Johnson vaccine, resumed after a two-week pause. The health department calls the study Phase 1A of the vaccine roll-out. By 6 May 366 101 of the 500 000 health workers in the trial had been vaccinated.

+60 year olds and health workers

Phase 2 starts on May 17. This phase will run concurrently with Phase 1B, which will cover health workers who were not vaccinated by the Sisonke study. Phase 2 will start with people over 60, which is estimated to be a population of five million. The oldest people, who have registered on the EVDS*, will generally get vaccinated first.

*Go to vaccine.enroll.gov.za to register

+40 year olds

From July, people over 40 will be included in Phase 2 of the vaccination roll-out, as well as people in congregate settings such as old-age homes (1.1 million people are estimated to reside in congregate settings)

Everyone over 18 years of age

In November, everyone else (those 18 years and older) will get their turn to get vaccinated in Phase 3 of the roll-out. This will be about 22.6 million people.

February 2022

The target, at this stage, is to have all people of 18 years and older vaccinated by February 2022. The health department says this will be up to 10.4 million people.

2021

Apr



May



Jun



Jul



Nov



Dec



2022

PLANNED VACCINE DELIVERIES

2 May 2021 Pfizer

The first batch of 325,260 doses of Pfizer-BioNTech vaccine arrived in South Africa. This two-shot vaccine will be used to start vaccinating the remaining 700,000 health workers not covered by the Sisonke trial, as well as people over 60.

May to June 2021 Pfizer

Health Minister Zweli Mkhize says 5.9 million doses from Pfizer will arrive in weekly shipments of 325,260 doses until 30 May. For the five weeks after that 636,480 doses will be delivered weekly. Another 1.4 million doses of Pfizer-BioNTech vaccine are expected from Covax.

Mid-May to June 2021 J&J

1.1 million paid-for Johnson & Johnson vaccines are expected to arrive in mid-May, then two deliveries of 900,000 doses each are expected by the end of June. This is dependent on when Aspen releases the jabs. The health department says the shots have been made, but can be released only once a safety verification process by international regulatory authorities has been completed. **

July to December 2021

Pfizer

In Parliament on 28 April, Mkhize said by the end of June another 2 million doses of Pfizer-BioNTech are expected and another 8 million are expected by the end of September. The president omitted these doses in parliament on 6 May.

28.2 million Johnson & Johnson doses are expected between July and the end of the year. J&J

Total Vaccines by end of 2021

J&J Johnson & Johnson = 31.2 million **
(mainly for use in rural districts)
Pfizer Pfizer-BioNTech = 31.4 million (for use in metros)

** The Health Department's presentation to Parliament 28 April stated 3 million Johnson & Johnson shots would be delivered in Q2 2021. In previous statements the department has indicated that 2.9 million shots will be delivered in that period. This timeline is based on the most recent information available on 6 May. We will update the timelines and re-circulate them when the information changes.

www.bhekisia.org

BHEKISISA
CENTRE FOR HEALTH JOURNALISM

Researched and compiled by Bhekisia and Media Hack. Sources: Health Department press releases; National vaccine coordinating committee co-chair, Lesley Bamford, presentation to labour unions, 9 April; Health Department presentation to Parliament, 28 April; President Cyril Ramaphosa's response to questions in Parliament, 6 May.

Data as at:

24 May 2021

Unless otherwise indicated

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25 May 2021

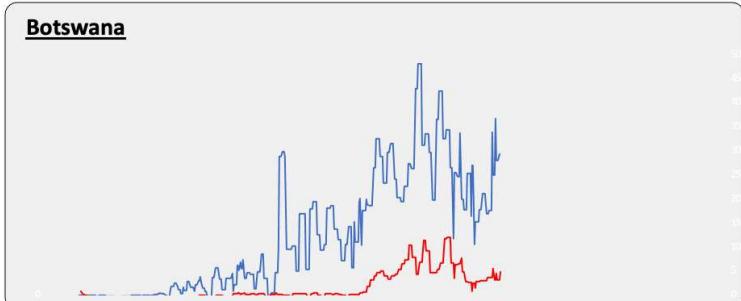
Southern Africa Daily Reported New Cases & Deaths 7 Day MA

Page 6.2

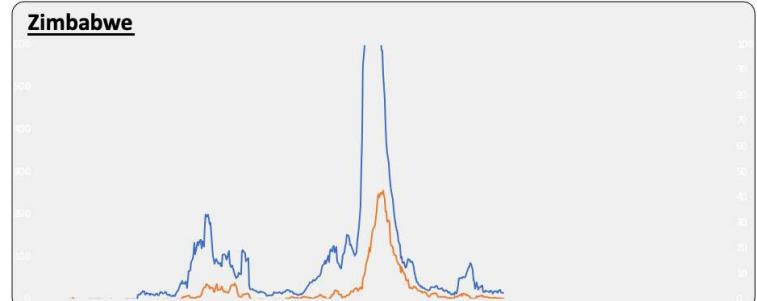
(Jan 2020 to Present)

CASES DEATHS

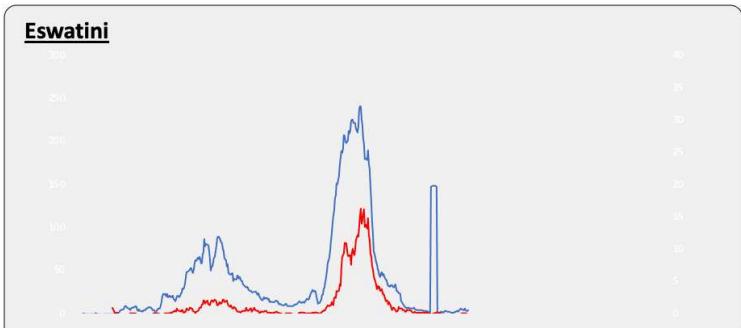
Botswana



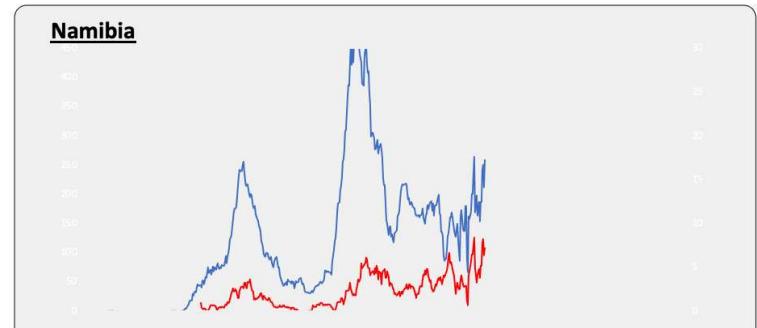
Zimbabwe



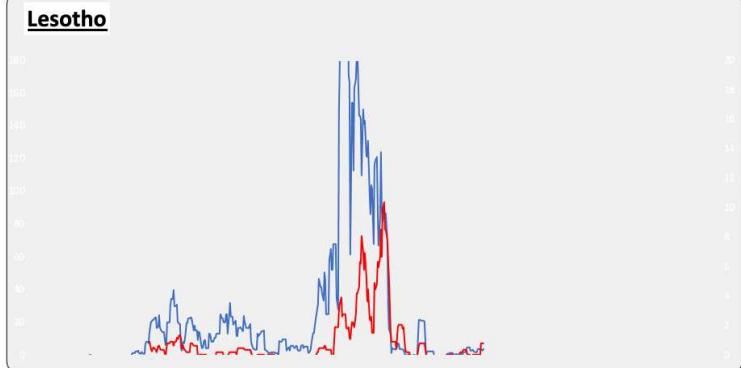
Eswatini



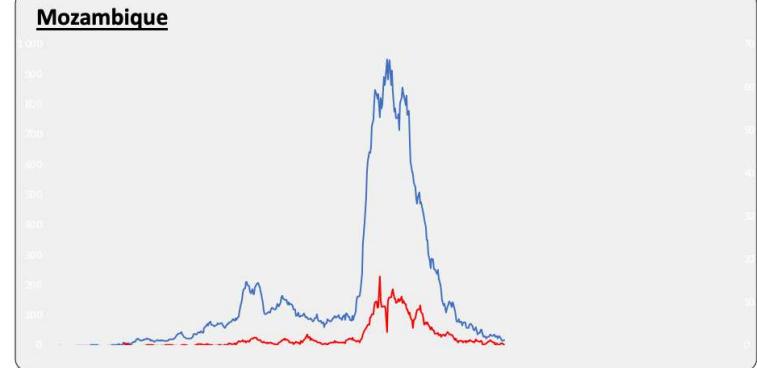
Namibia



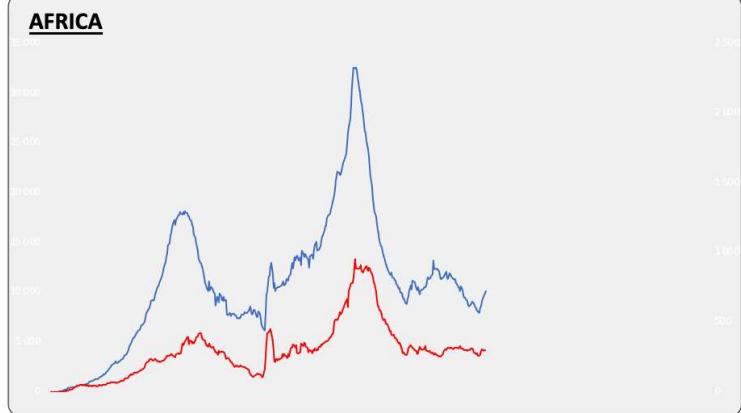
Lesotho



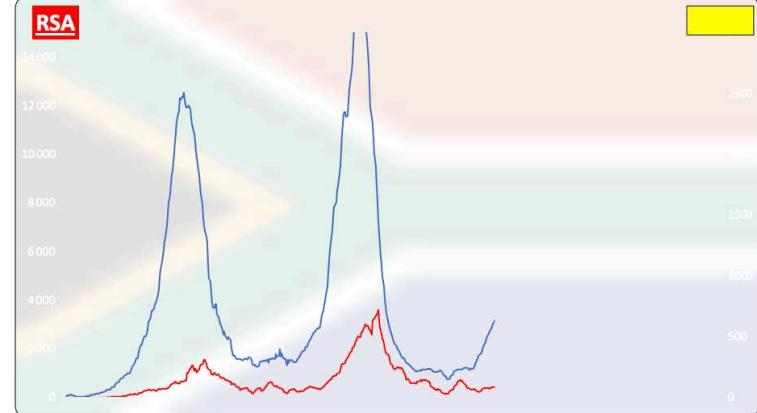
Mozambique



AFRICA



RSA



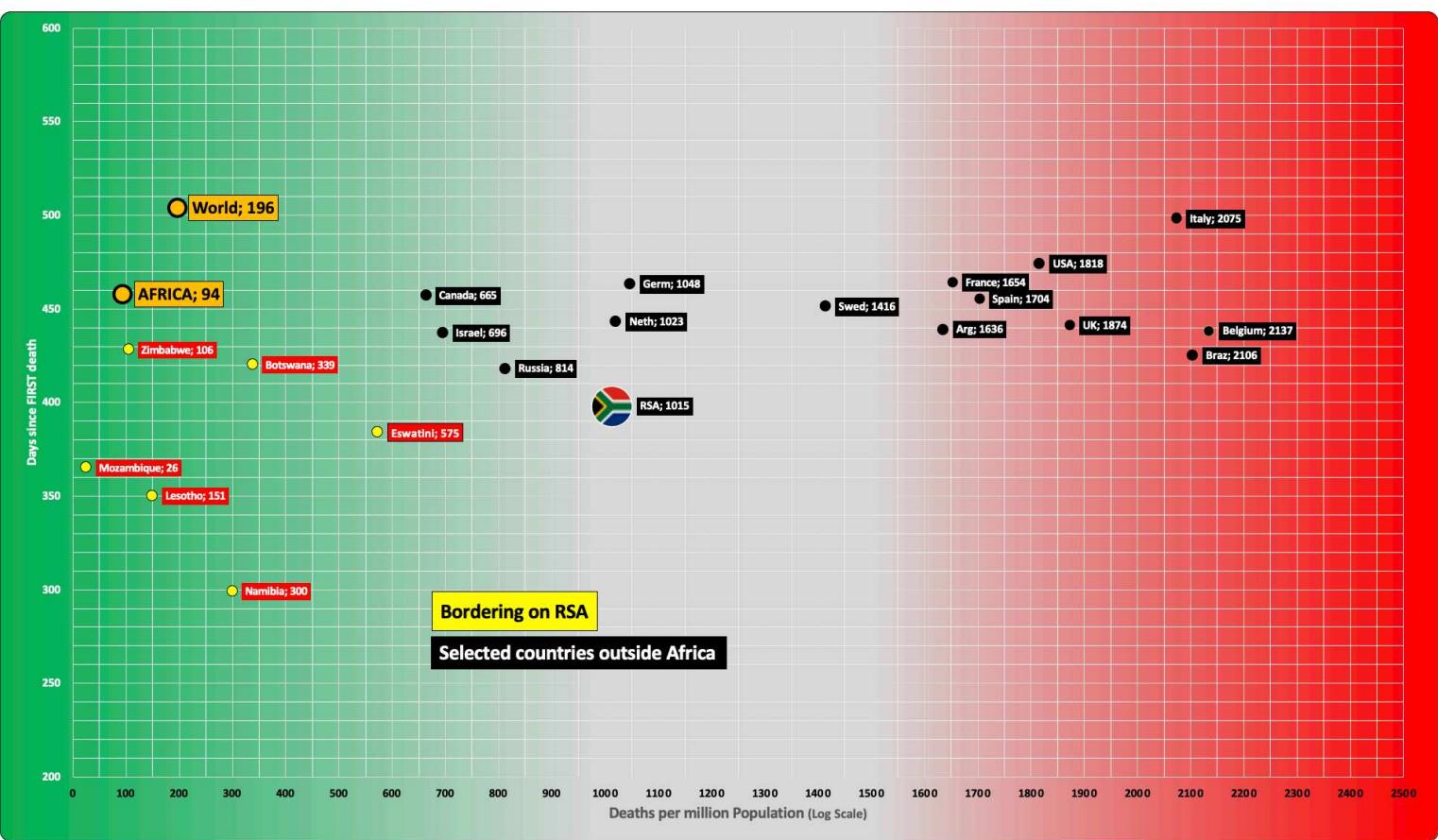
Data as at:

24 May 2021

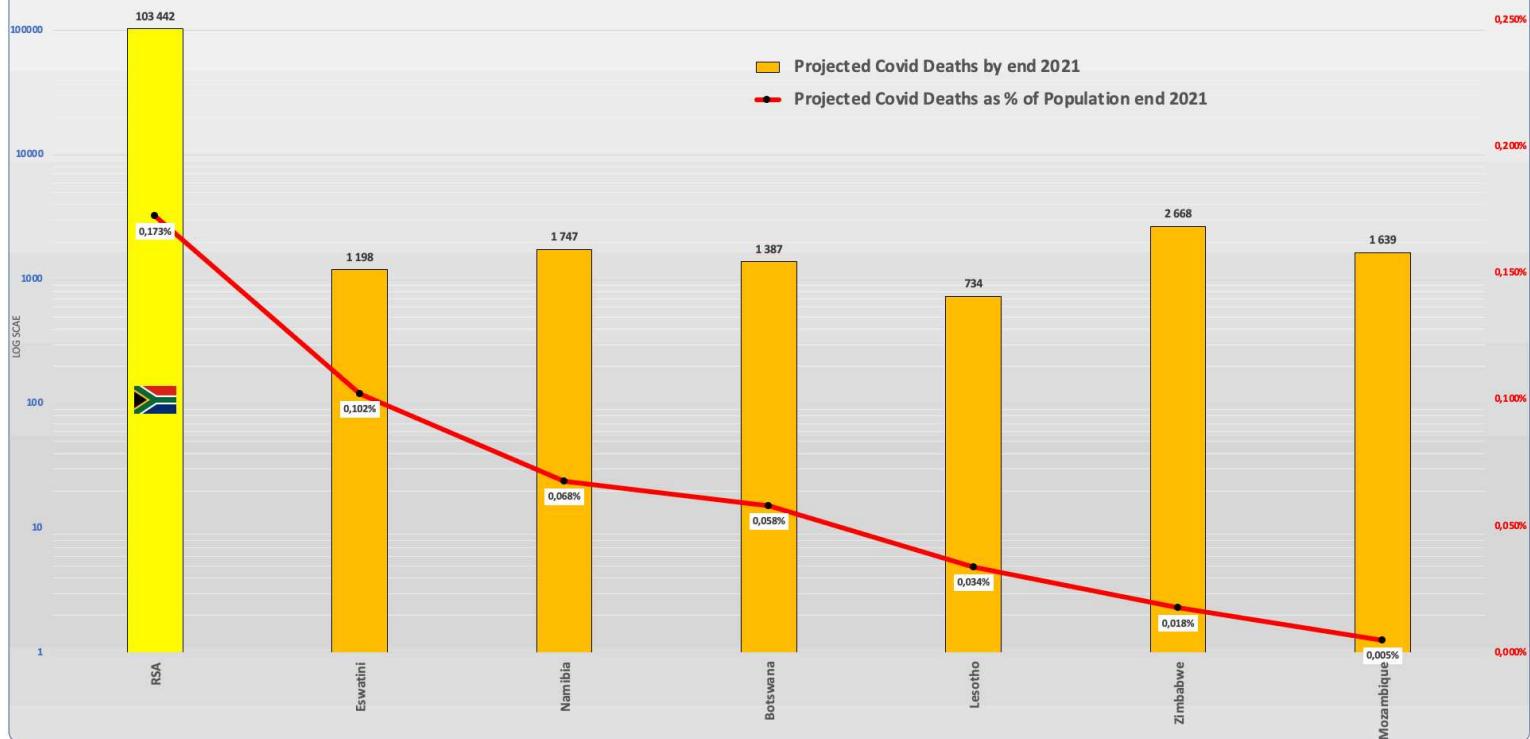
Unless otherwise indicated

hdg

25 May 2021



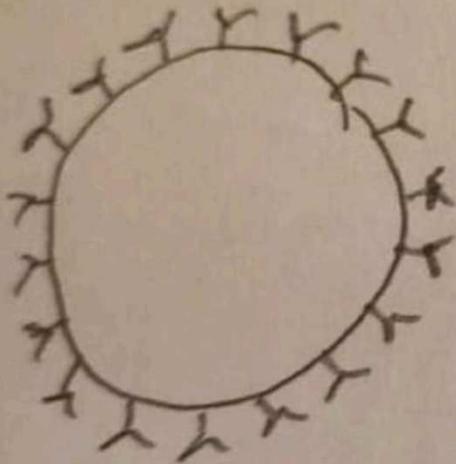
Projected Deaths by end 2021 per country and % Deaths of Populations at current officially reported Death Numbers



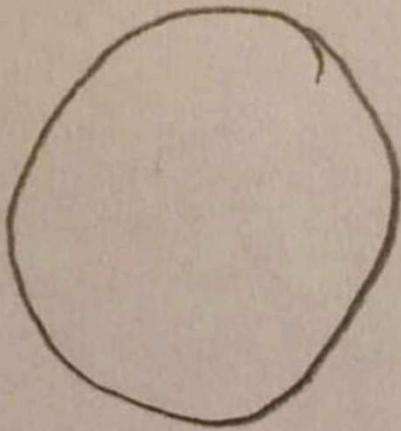
A smile is the best vaccine....



CORONA VIRUS VARIANTS.



STANDARD



BRAZILIAN.