

HarryG COVID-19 Dashboard

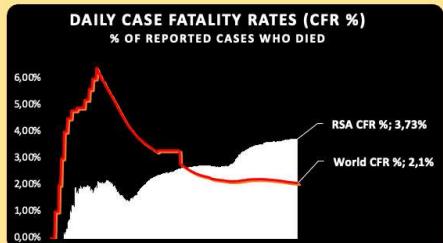
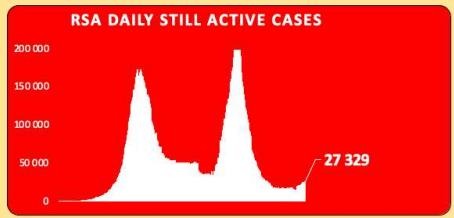
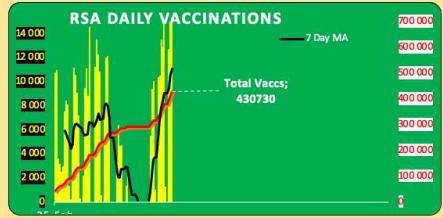
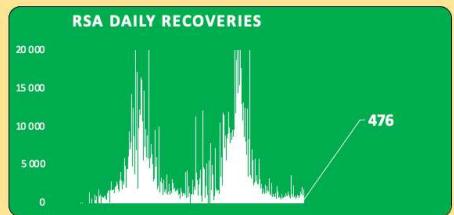
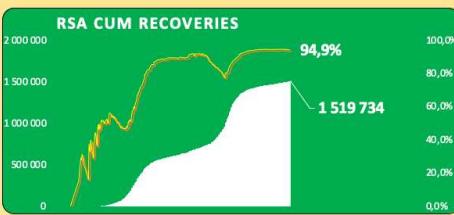
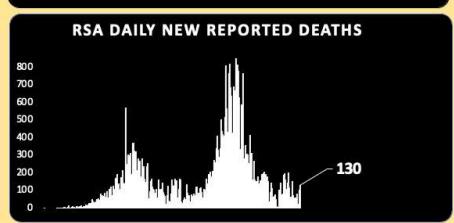
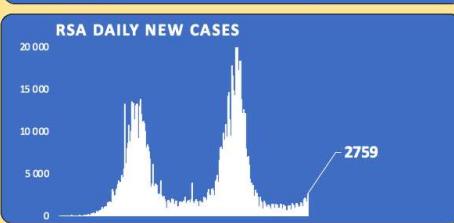
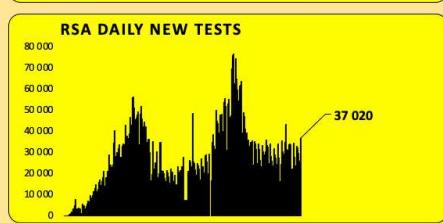
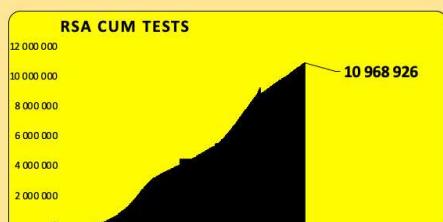
Page 1

Cum Cases		Daily Cases	
1 602 031	2 759	▲	
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP	
27 329 ▲	26 755	998	
Deaths Avg	Ages Median	Deaths Min Age	Deaths Max Age
62,4	57,8	0,2	105

RSA COVID-19 DASHBOARD

Daily Still in Hospital	% of Reported Cum Cases who Died (CFR)
5277 ▼	3,73% ▲
	% of RSA PoP who have died to date: Reported
	Incl Excess
	0,10% 0,27%
	Cum Recoveries:
	1 519 734 94,9% ▼

Vaccinations:		
Total	Yesterday	Avg
430 730	16 358	5 522
% of RSA PoP 2 dose Vaccs & % Vacs + Recovered	0,35%	2,93%
Cum Tests	Daily Tests	
10 968 926	37 020 ▲	
	Daily Test Positivity Rate:	7,5%



RSA Rt

Four days ago : 1.10
Three days ago : 1.17
Two days ago : 1.23
Yesterday : 1.31
Today : 1.33



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.

Cum per 100k PoP:
Cases 2742
Deaths 102

Data as at: 12 May 2021

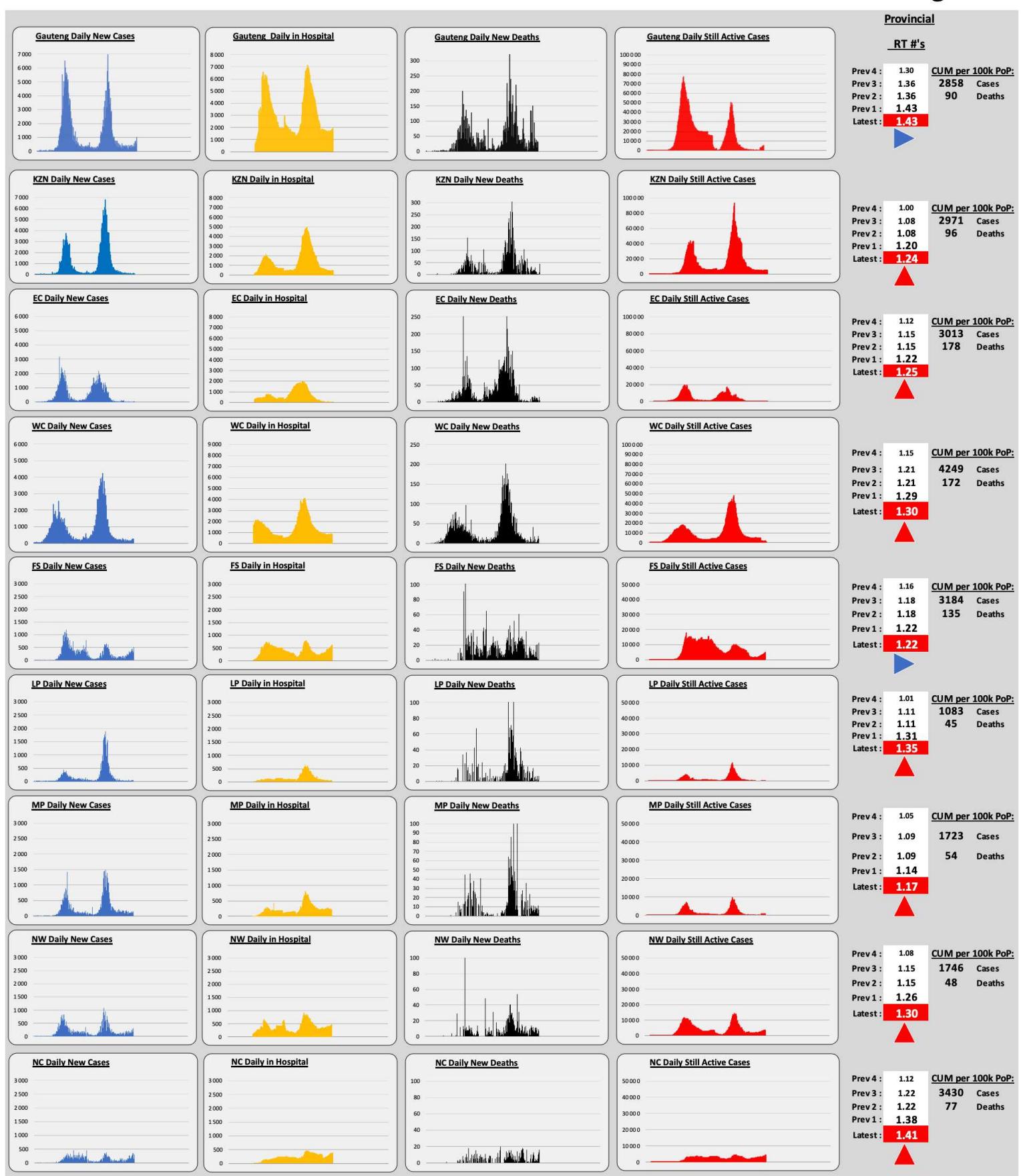
Unless otherwise indicated

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13 May 2021

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

Page 1.1



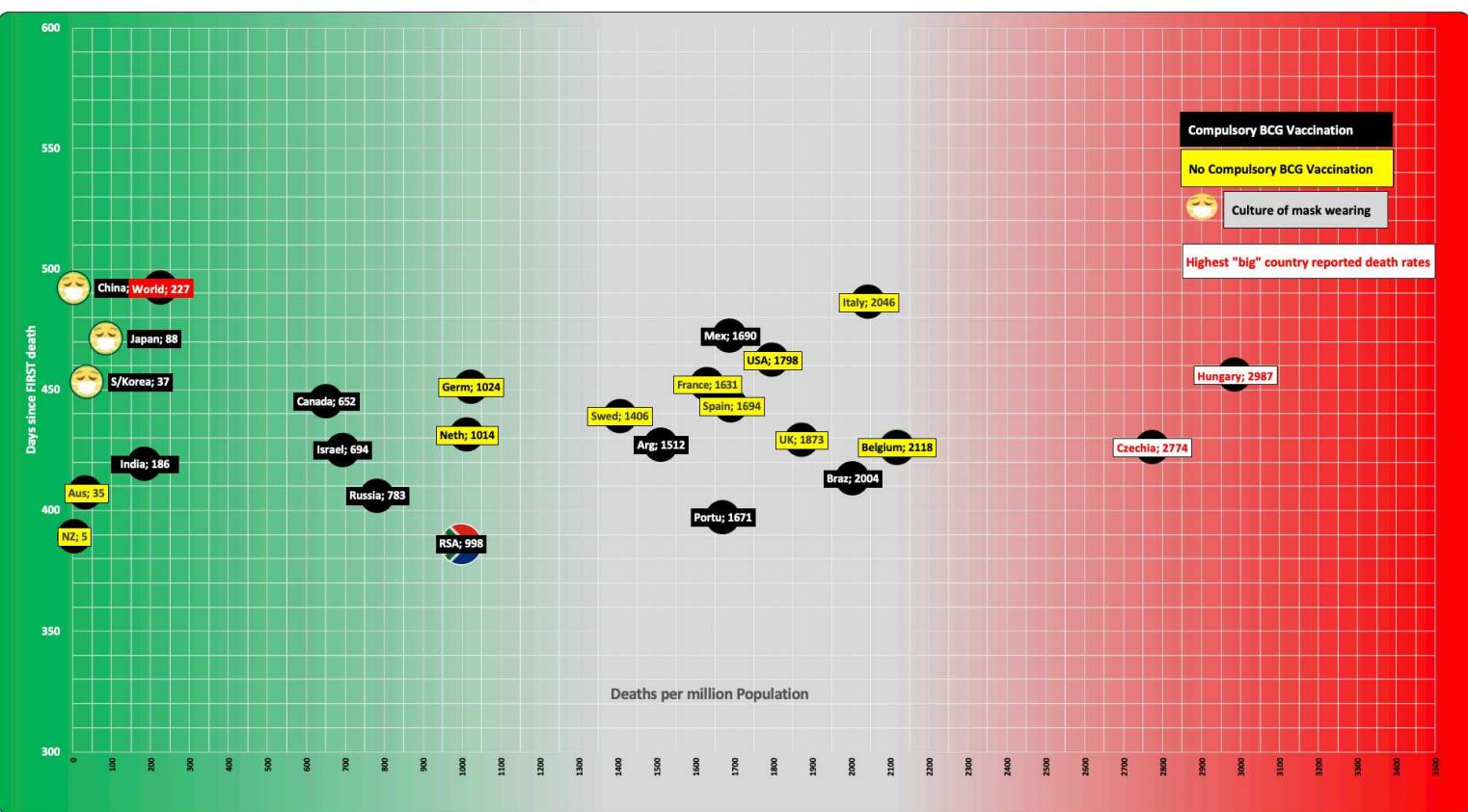
Data as at: 12 May 2021

Unless otherwise indicated

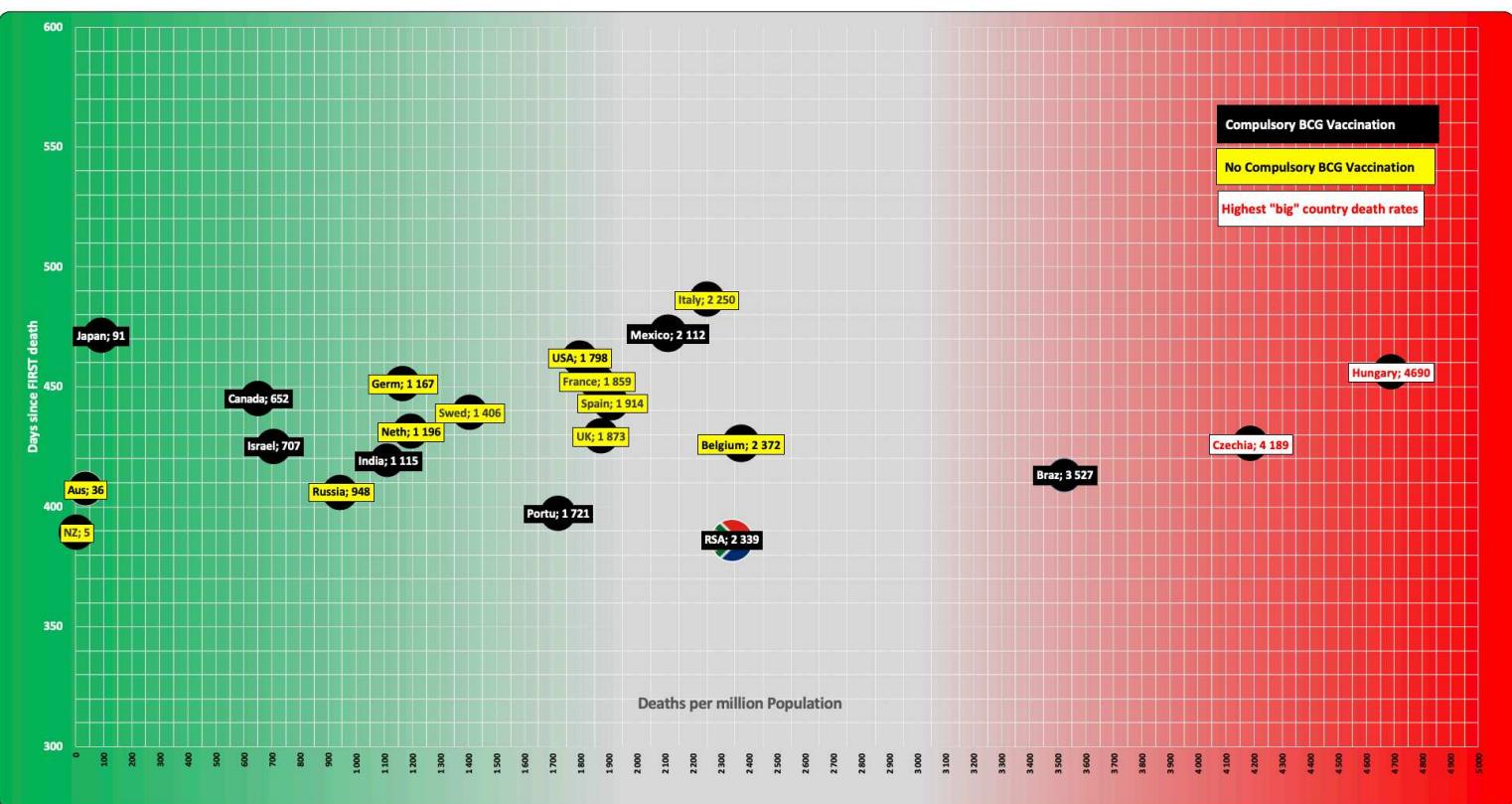
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Selected Countries' **Reported** Deaths per mill PoP

Page 2

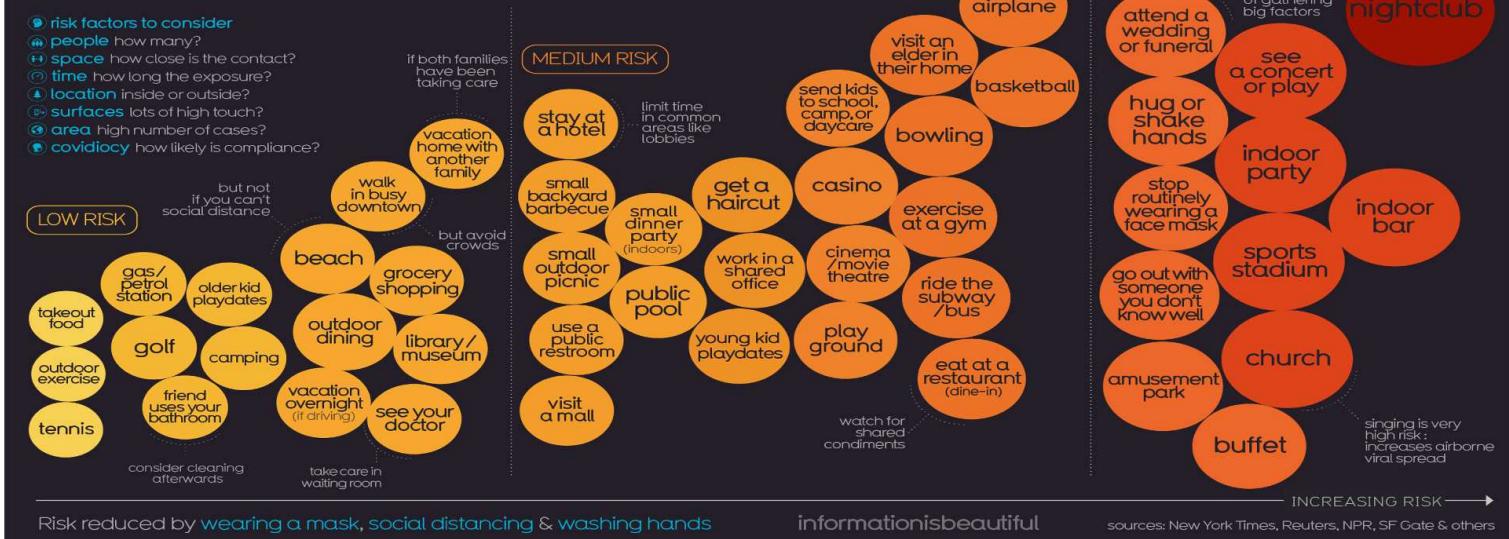


Selected Countries' Deaths incl Excess Deaths per mill PoP (where data available)

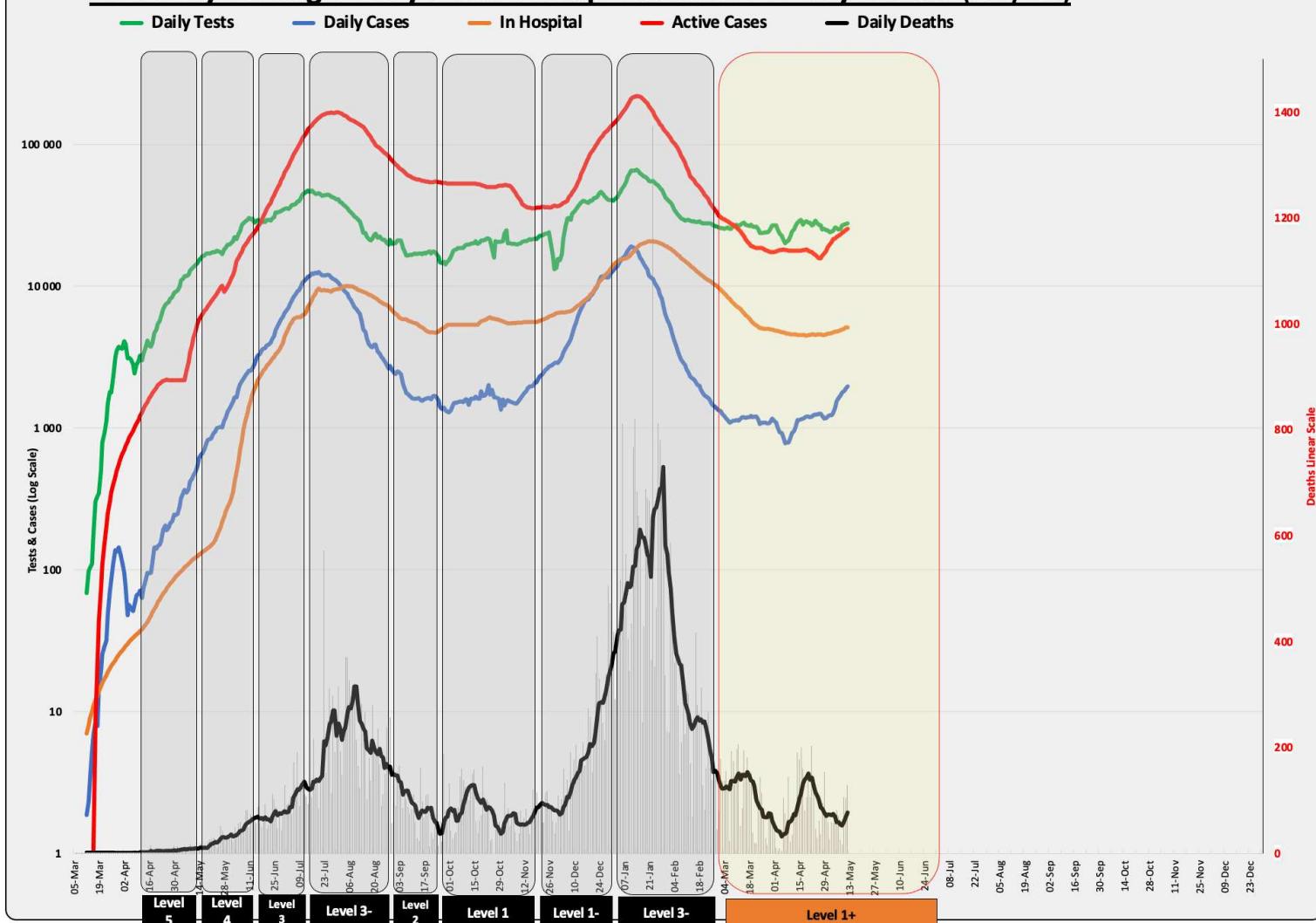


Coronavirus Riskiest Activities

According to 500+ epidemiologists & health professionals



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



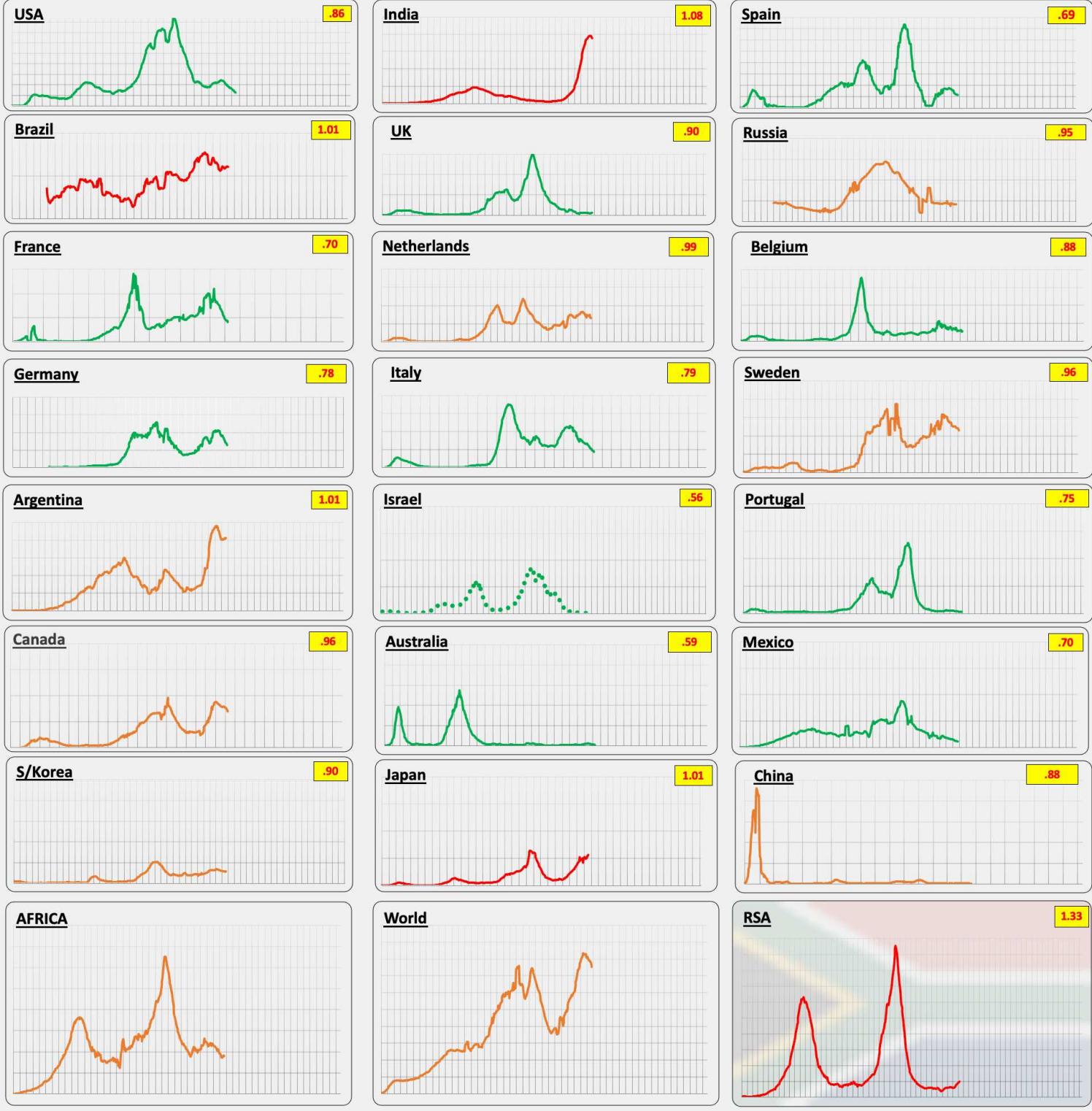
Data as at: 12 May 2021

Unless otherwise indicated

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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 



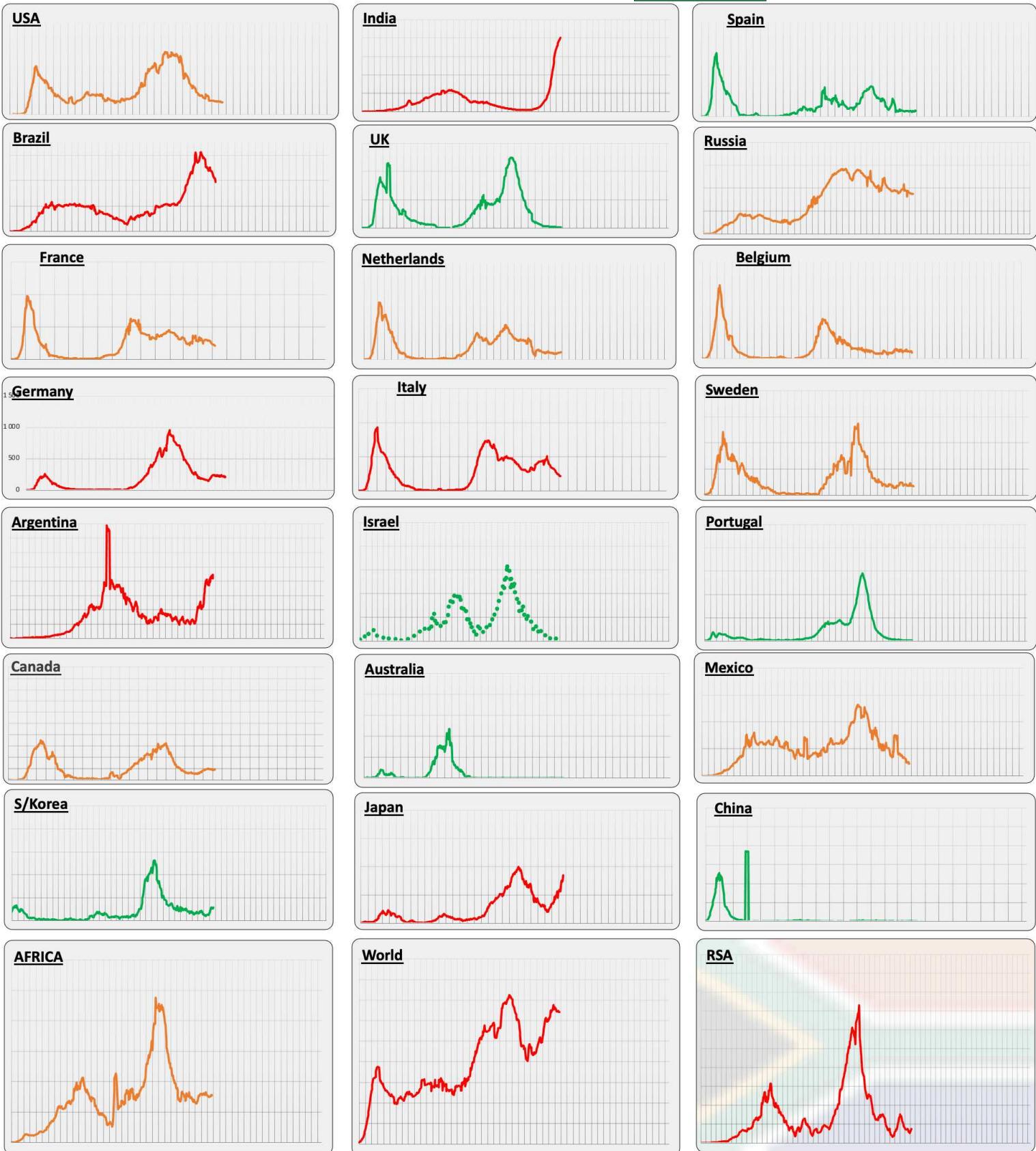
World Daily Reported Deaths 7 Day MA

Page 2.3

7 Day MA Rising

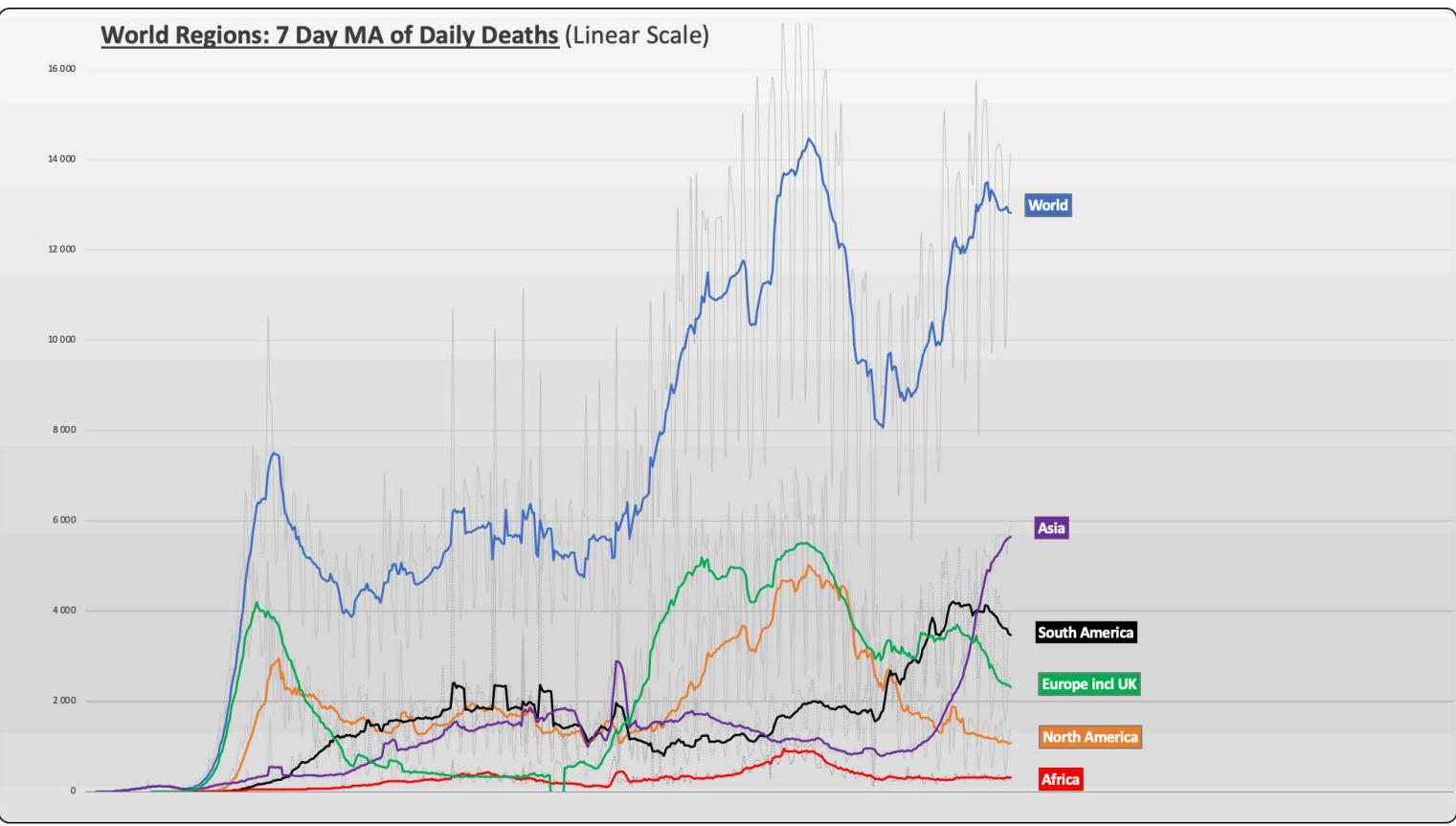
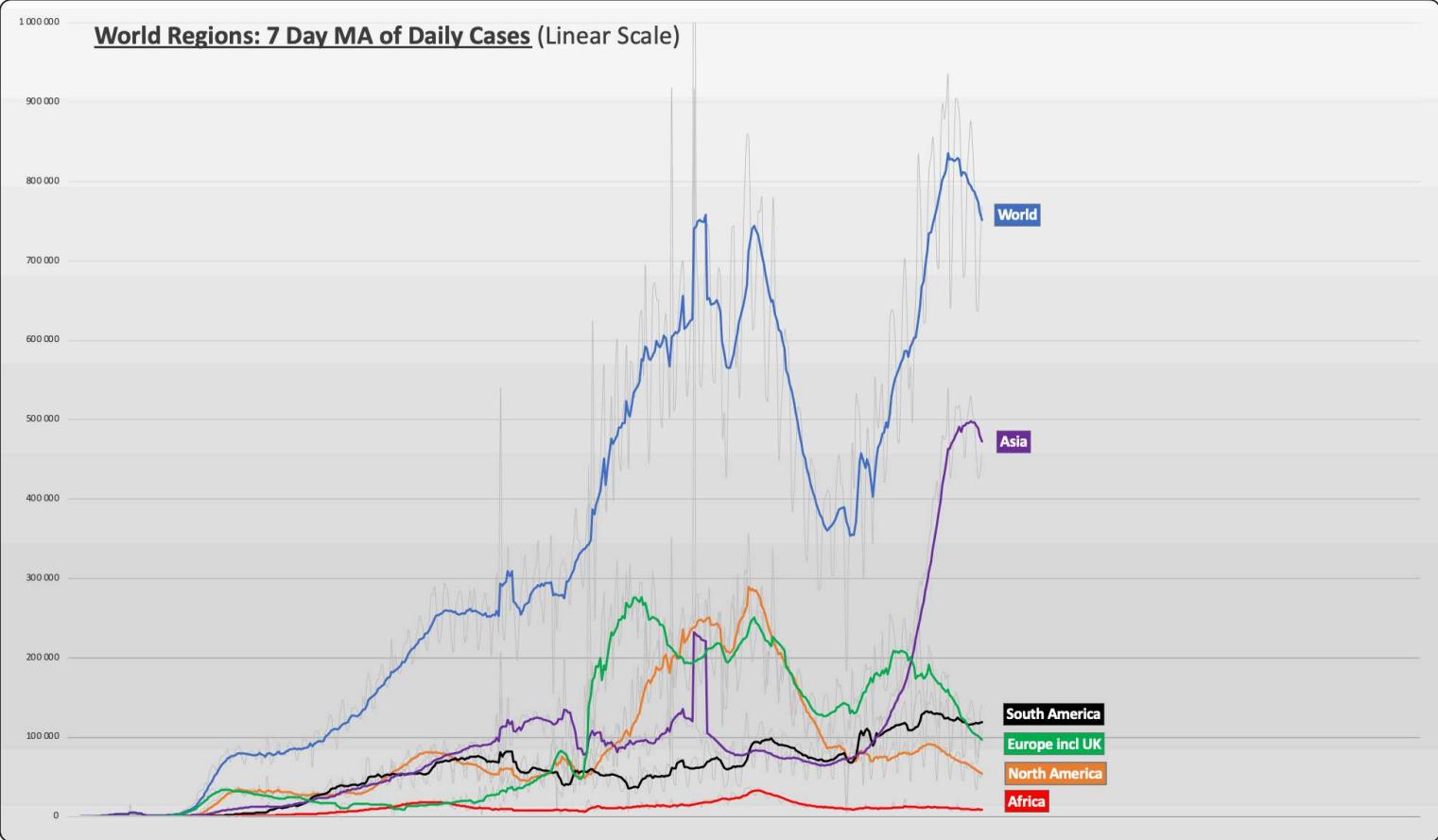
7 Day MA Declining but still high

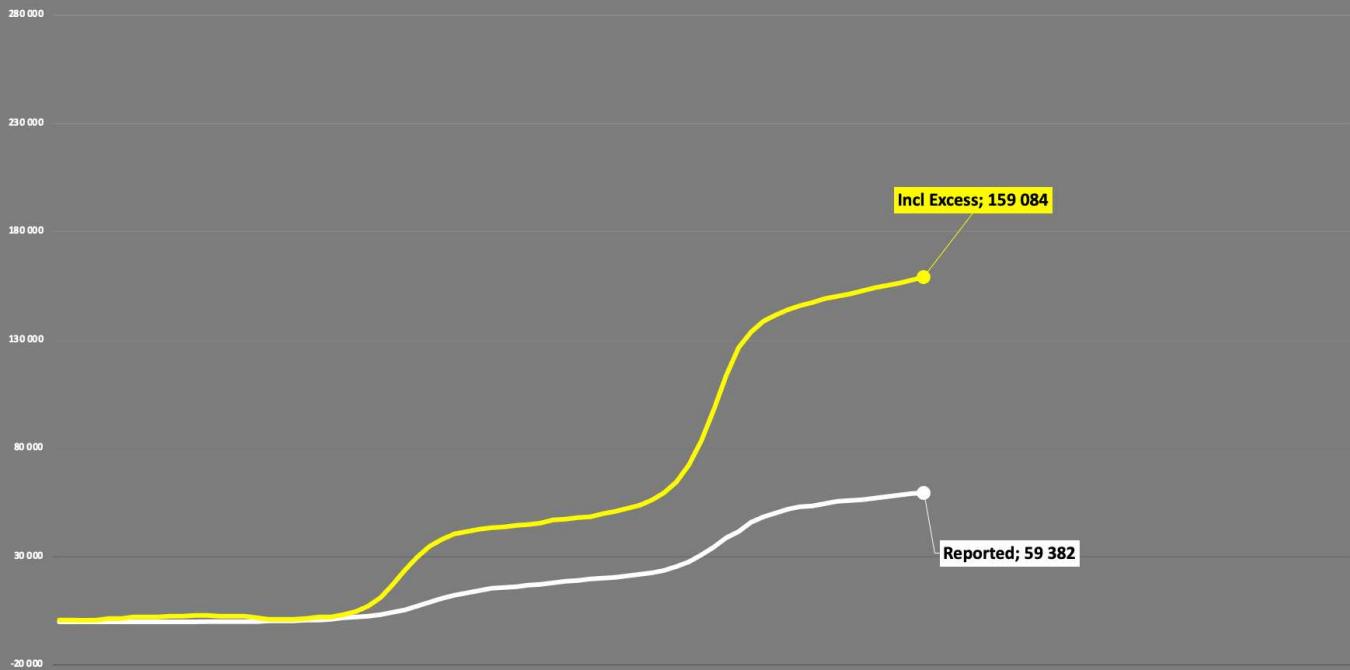
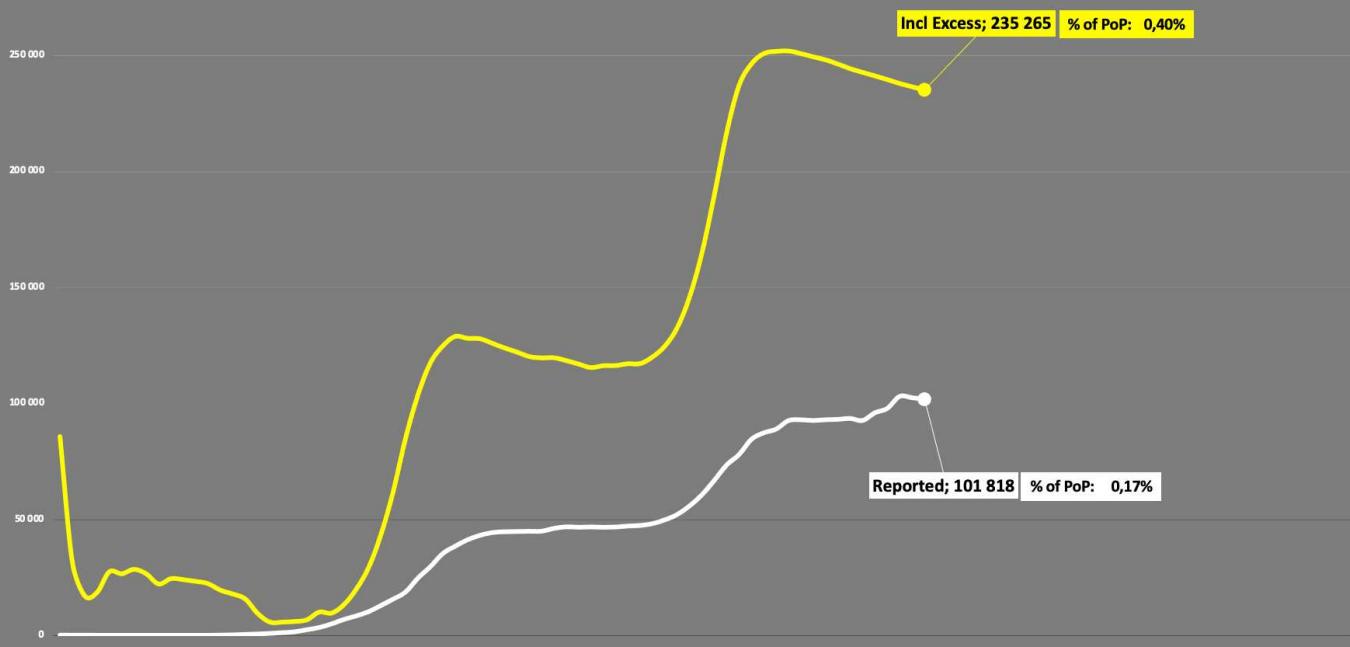
7 Day MA Low and stable

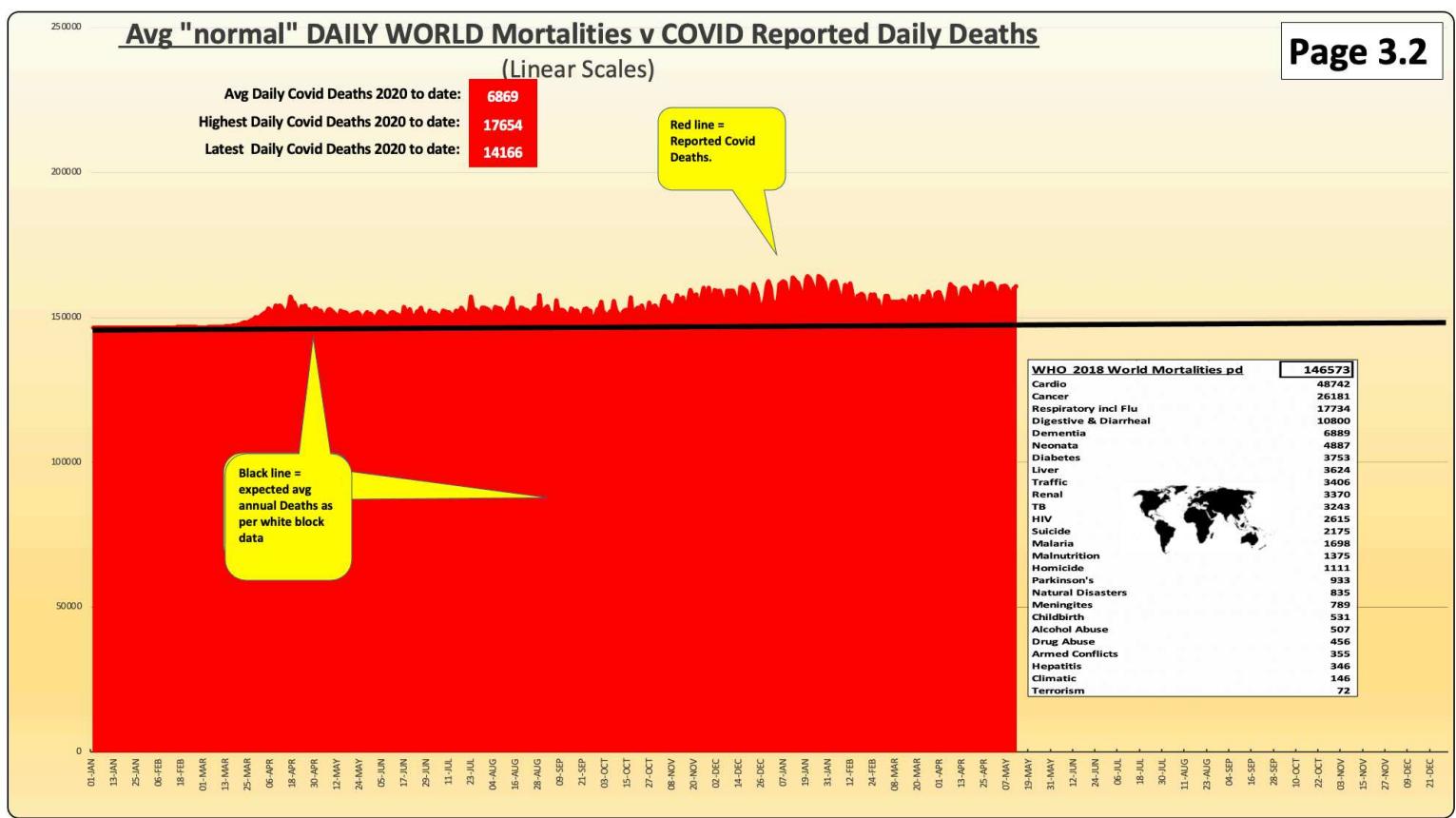


7 Day Moving Average of Daily Reported Deaths & Cases by World Region

Page 3.0



RSA CUM DEATHS (updated weekly)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.

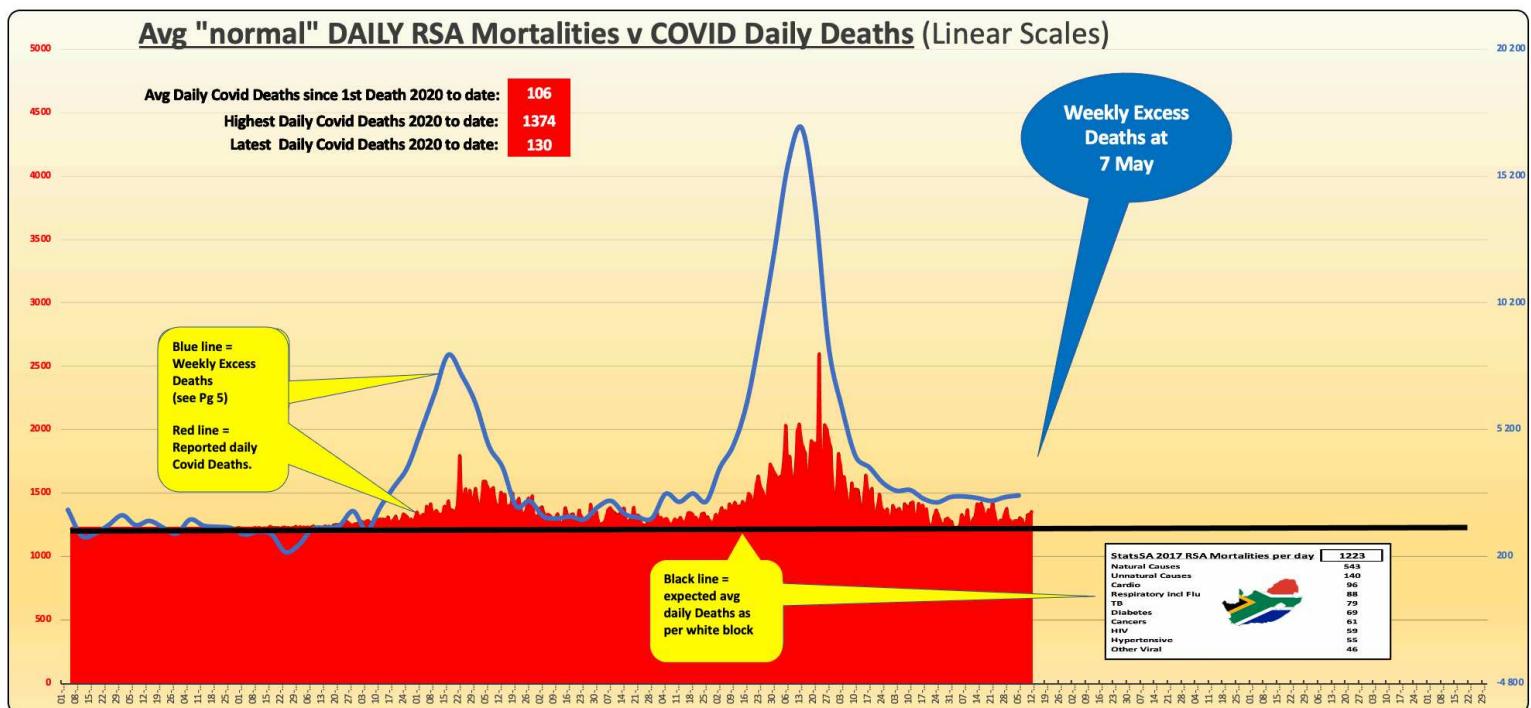


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

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

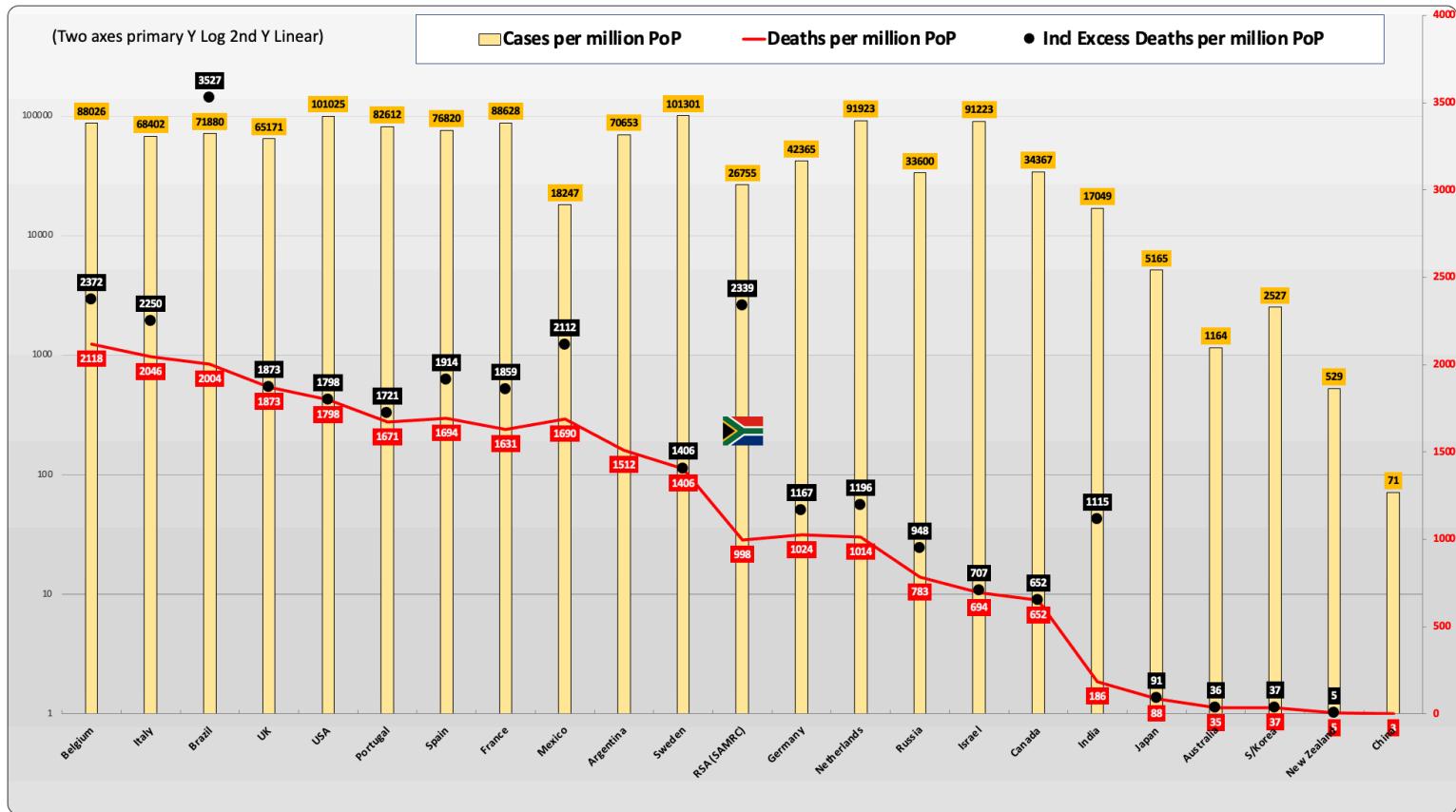
The RED area/lines on top of the red blocks are the INCREMENTAL Actual Daily Deaths due to Covid as officially reported.

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

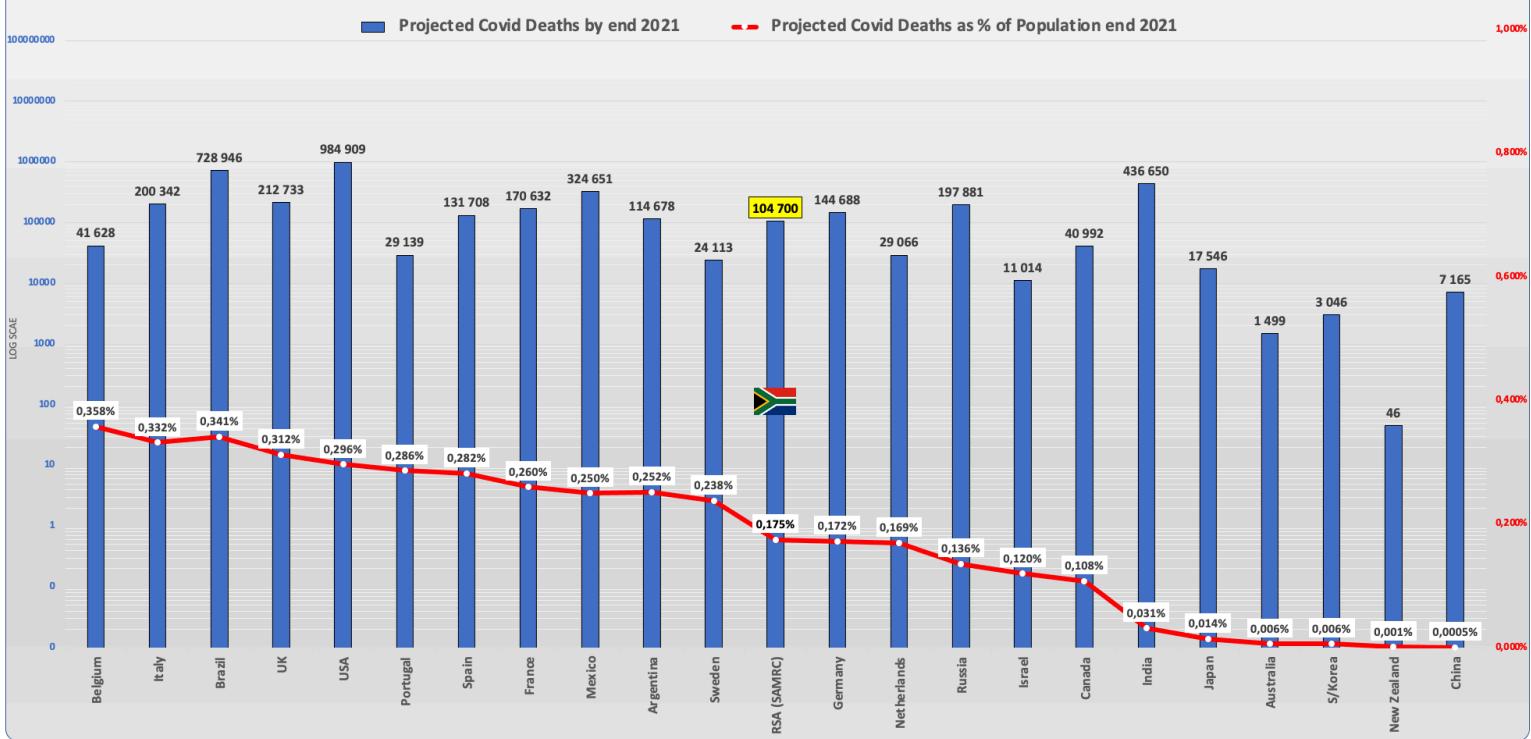


Selected Countries' Current Reported Cases, Reported Deaths & Excess Deaths

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

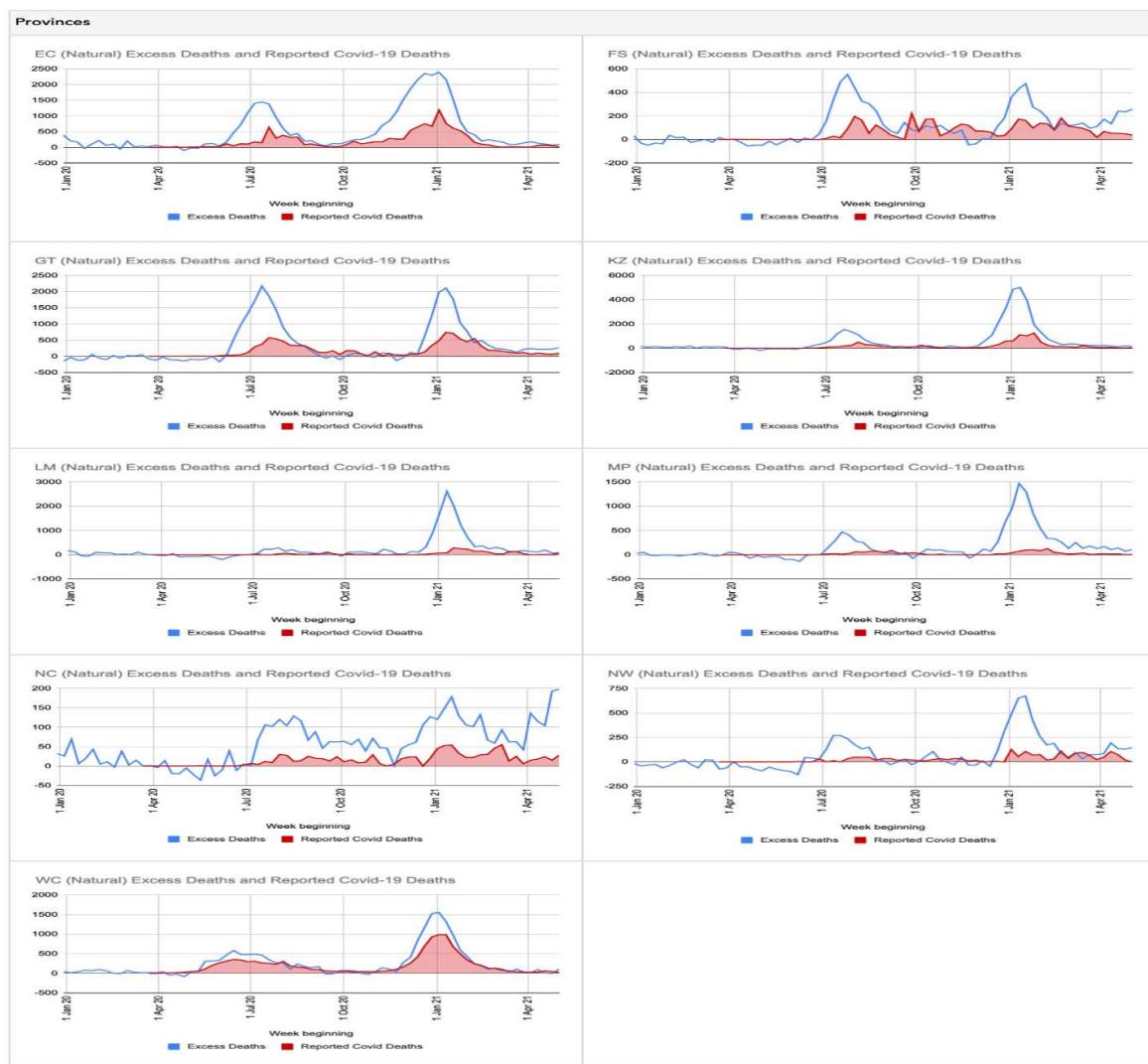
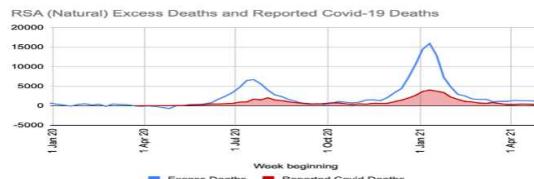


Data as at: 12 May 2021

Unless otherwise indicated

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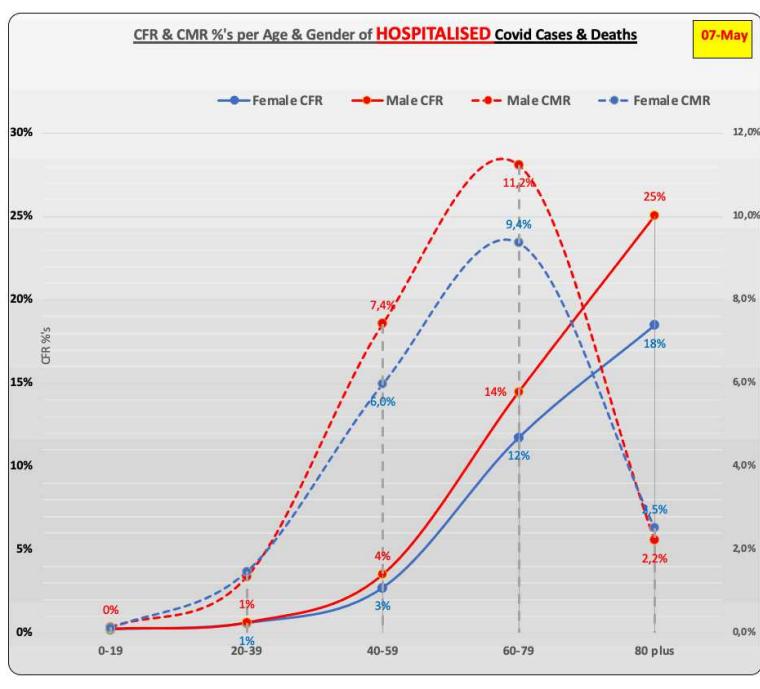
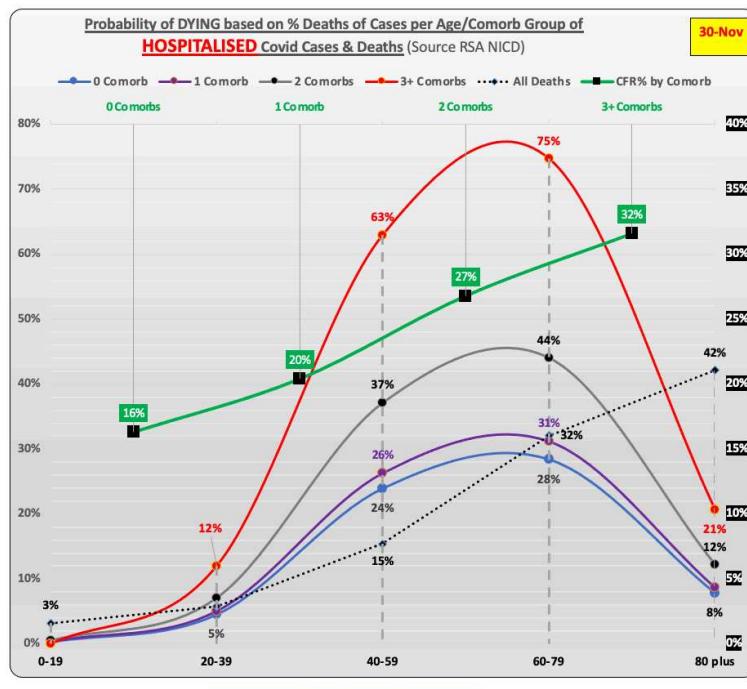
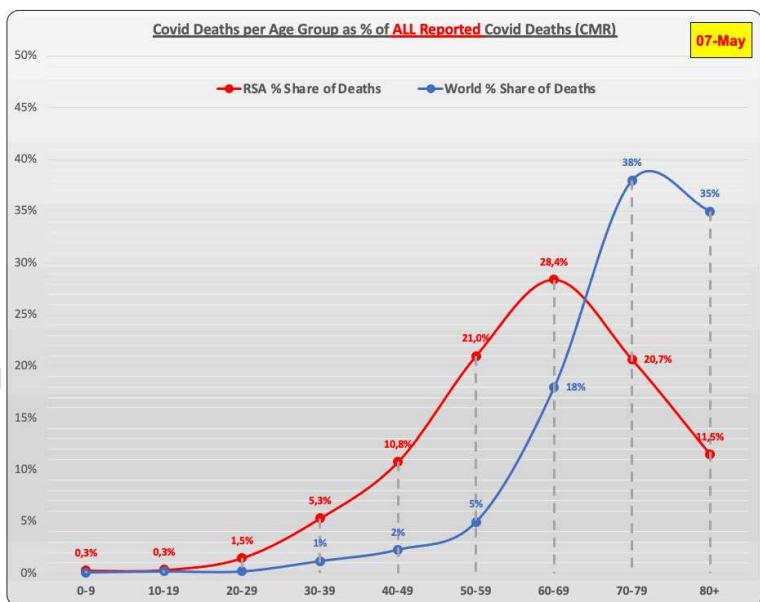
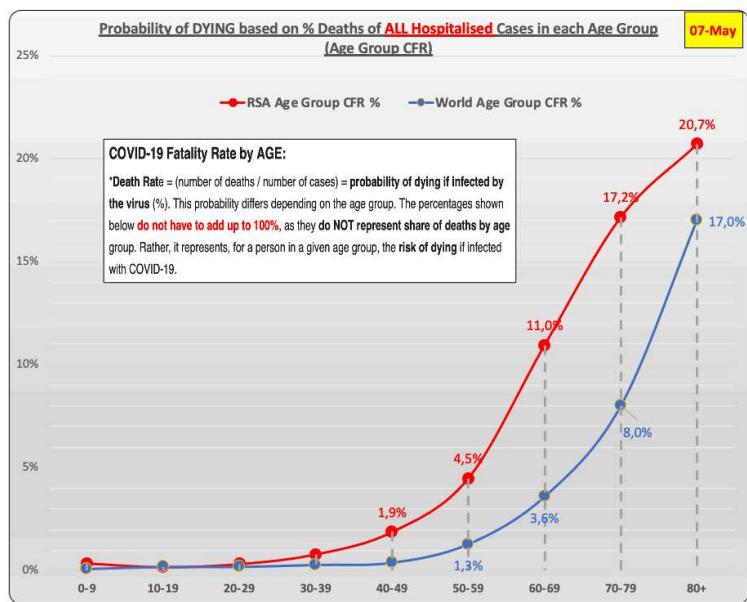
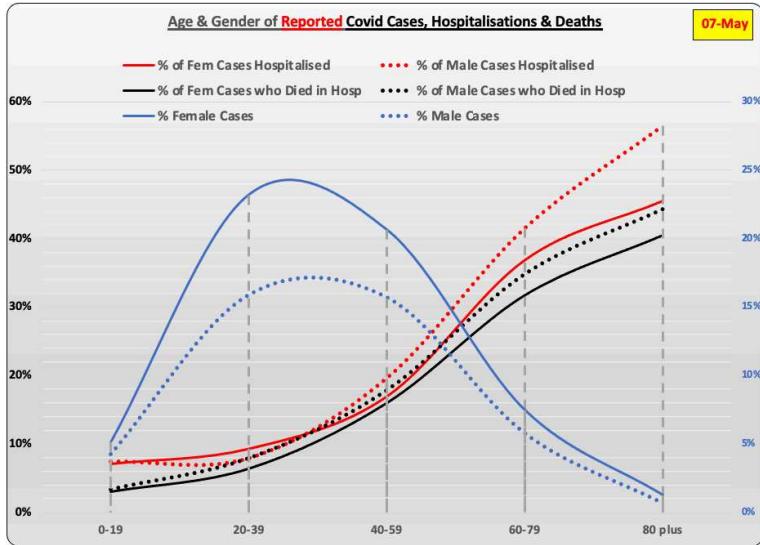
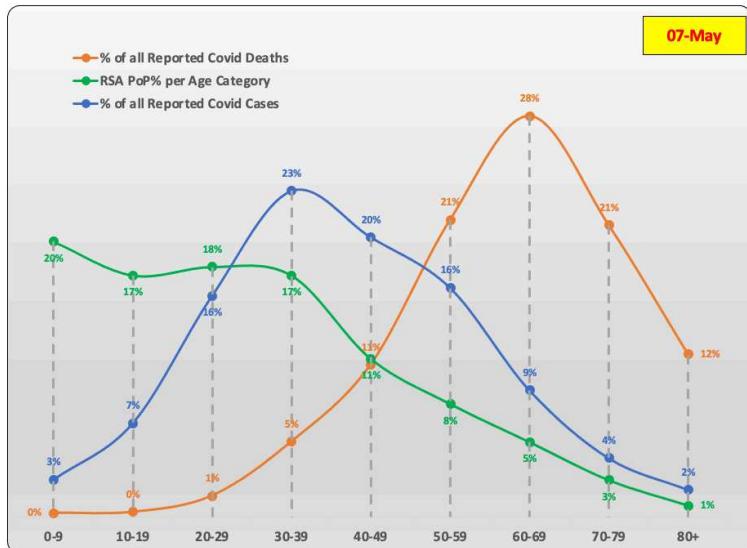
One approach to aid understanding of the emerging COVID-19 mortality is to compare the estimated weekly excess deaths with the number of COVID-19 deaths reported by the Minister of Health as shown in the figure below. This comparison is compared to some degree by the fact that excess deaths are classified by who in which they die, compared to reported COVID-19 deaths and 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, either directly (home/rural deaths) and/or indirectly (limited access to hospitals).

RSA Age & Gender Stats

Page 5.1



Data as at: As indicated per graph

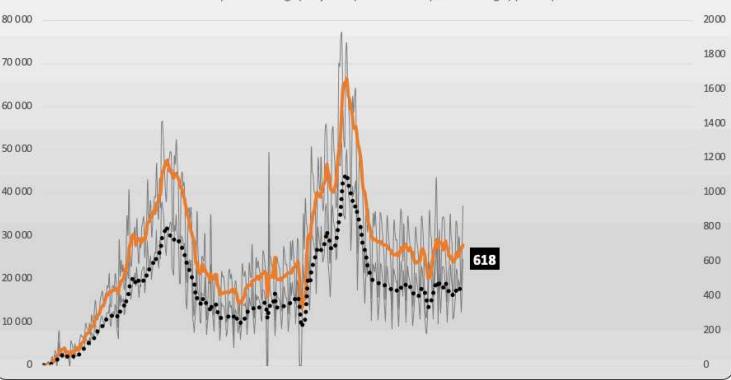
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RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 5.2

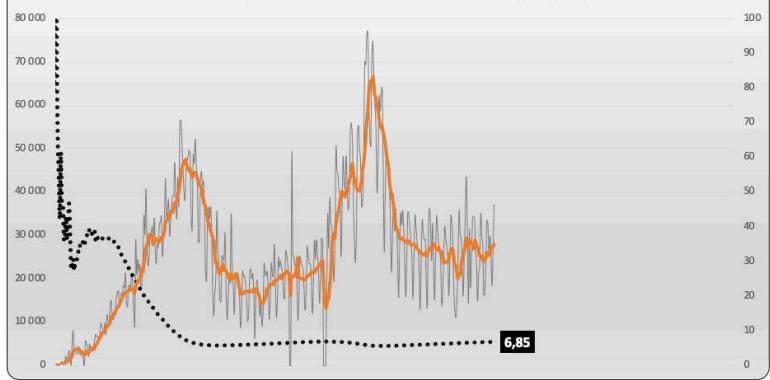
RSA: Daily Tests per million PoP

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



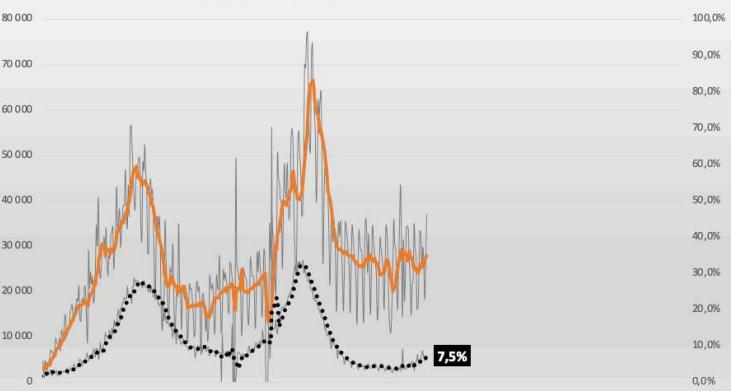
RSA: Daily Tests per +Case

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



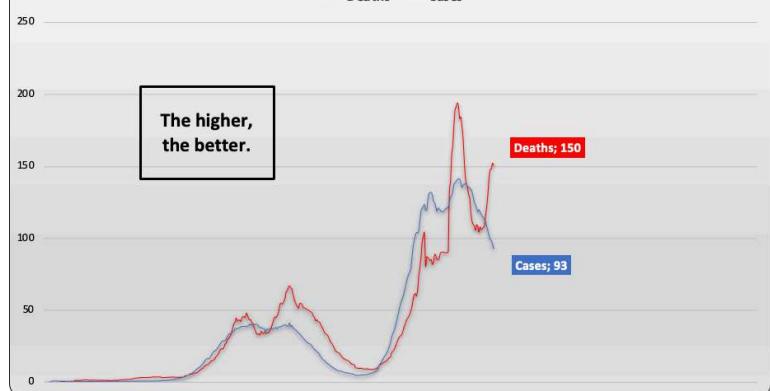
RSA: Daily Tests Positivity %

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

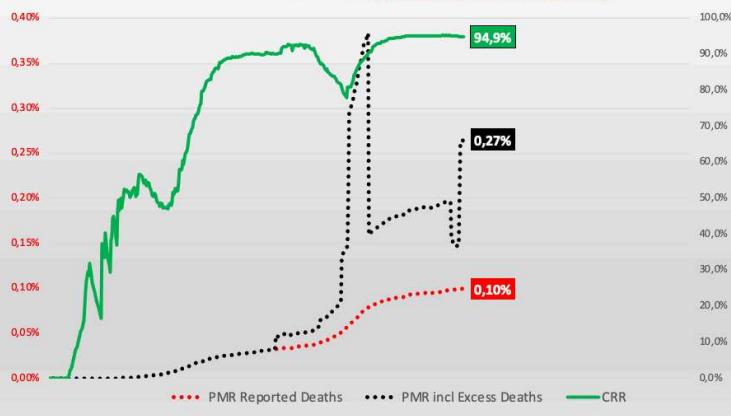


RSA Doubling Times in Days

— Deaths — Cases

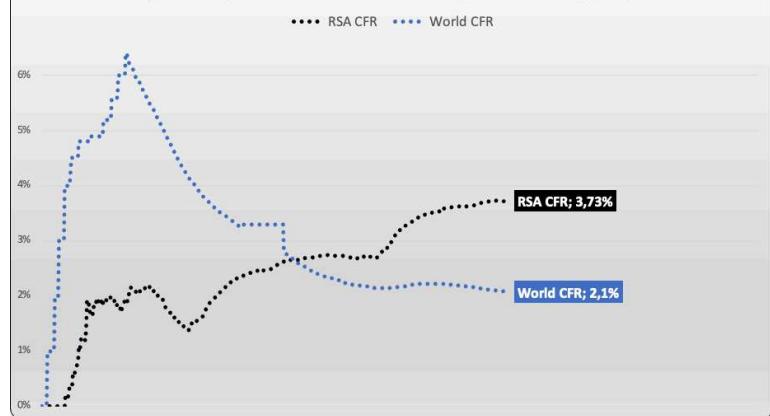


RSA: Case Recovery Rate & PoP Covid Mortality Rate



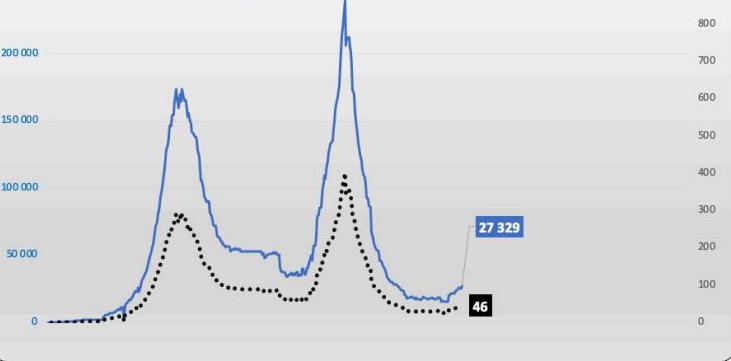
Covid Reported Deaths as % of Reported Cases (CFR)

••••• RSA CFR ••••• World CFR



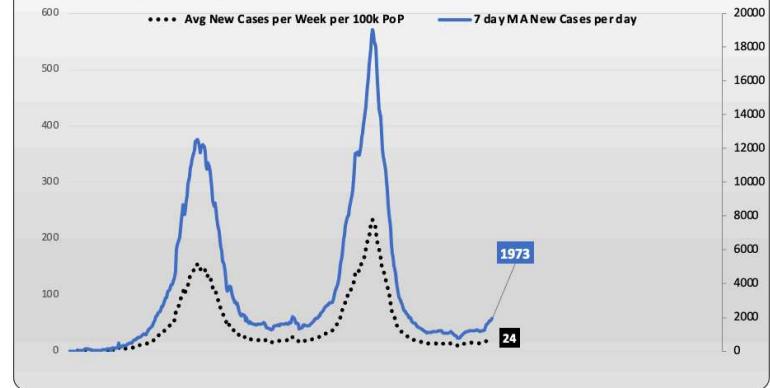
RSA: Still Active Reported Cases per 100k PoP

— 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:

12 May 2021

Unless otherwise indicated

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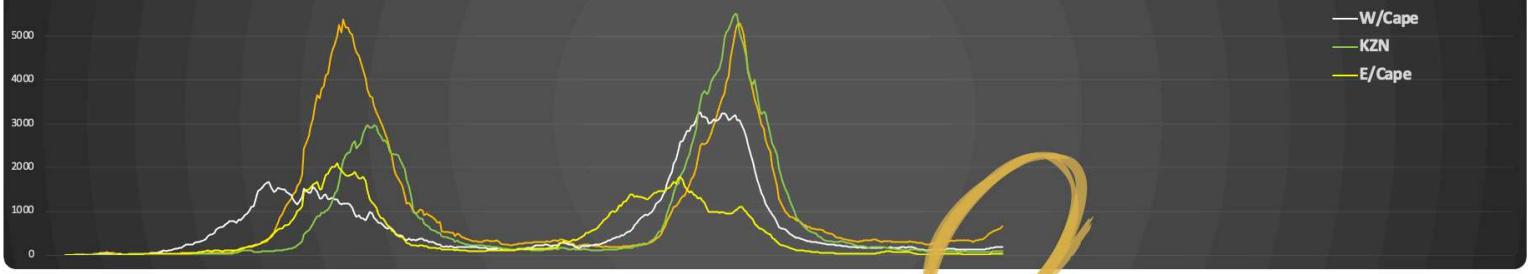
13 May 2021

RSA & Provinces Key Data Sets

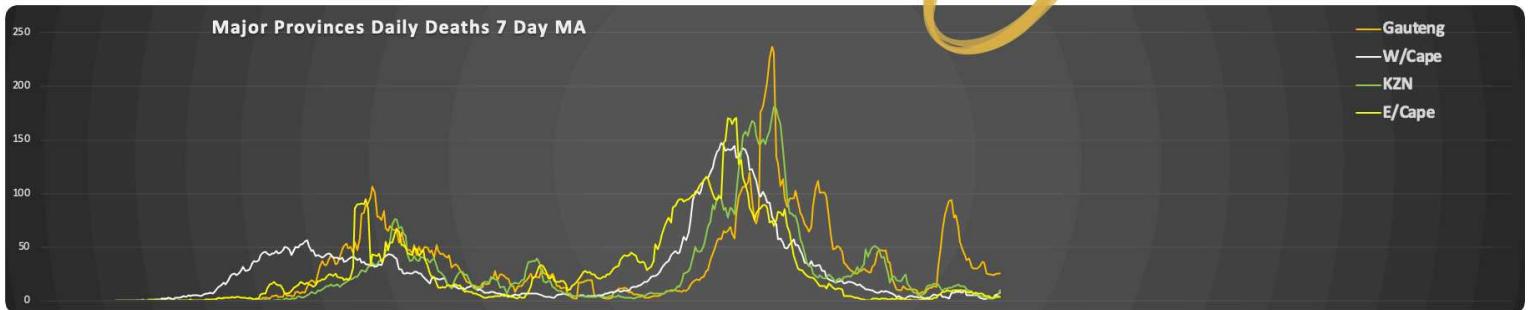
All linear scales

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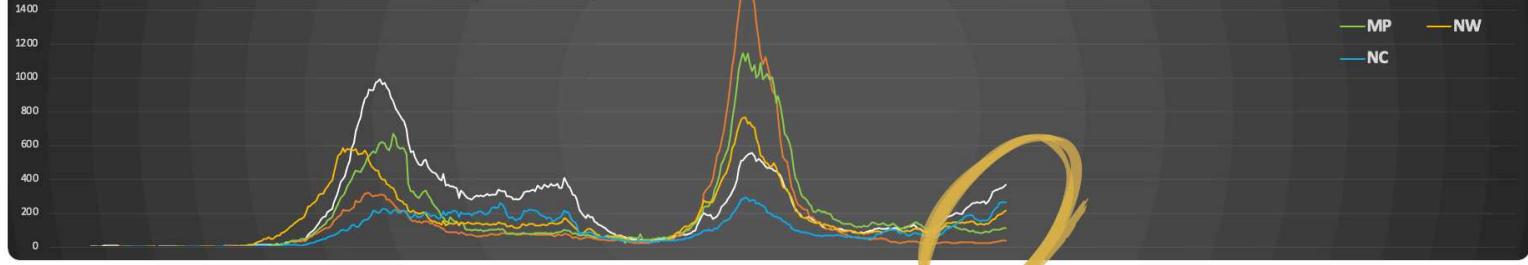
Major Provinces Daily Cases 7 Day MA



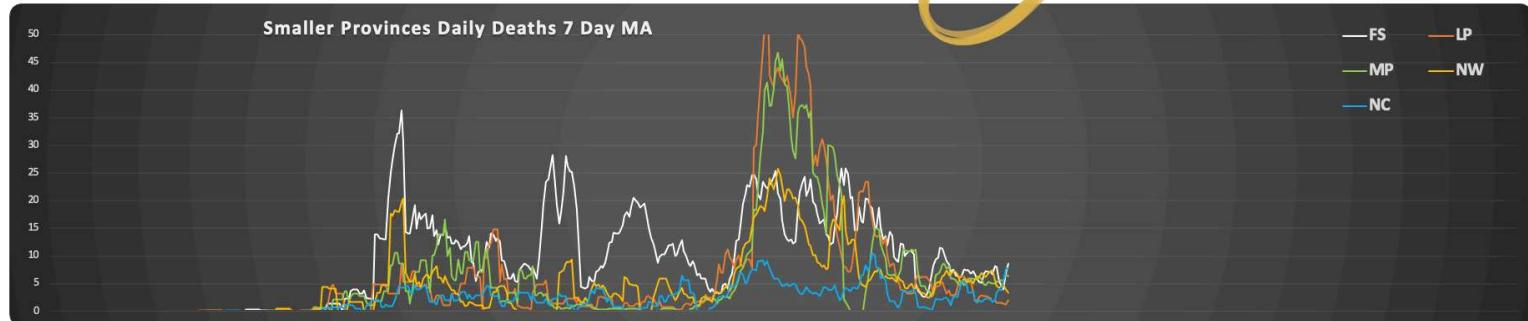
Major Provinces Daily Deaths 7 Day MA



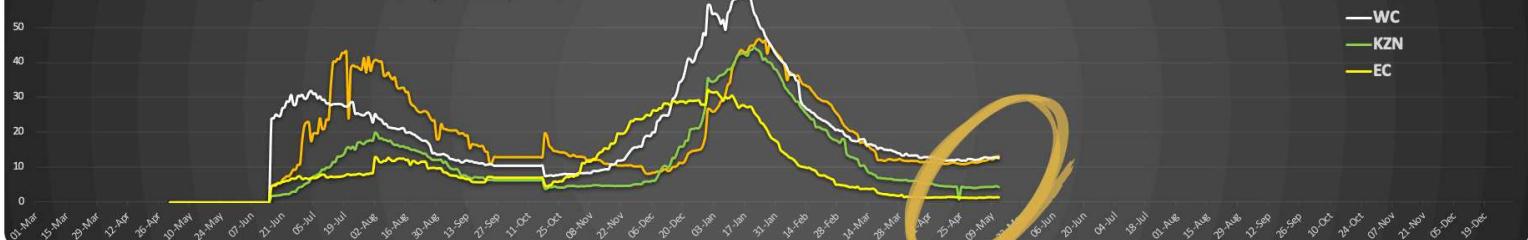
Smaller Provinces Daily Cases 7 Day MA



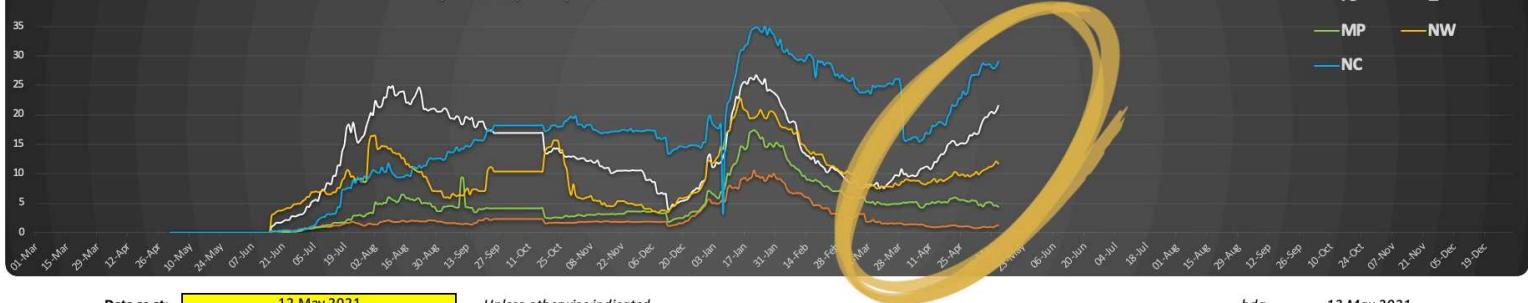
Smaller Provinces Daily Deaths 7 Day MA



Major Provinces: Daily In Hospital per 100k PoP



Smaller Provinces: Daily In Hospital per 100k PoP



Data as at:

12 May 2021

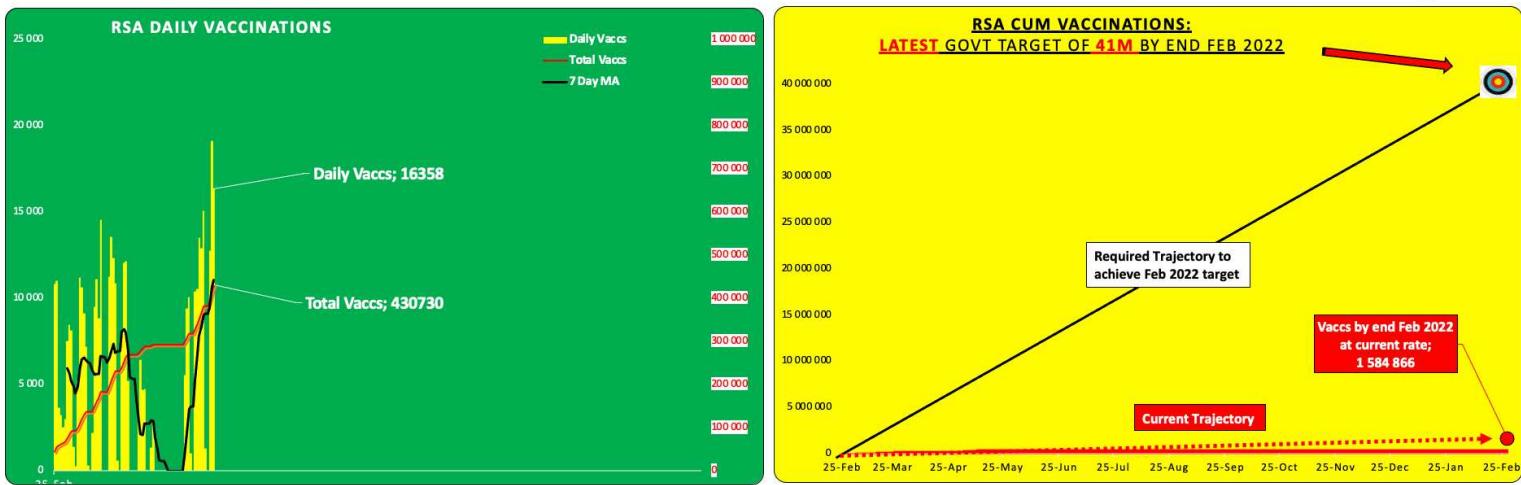
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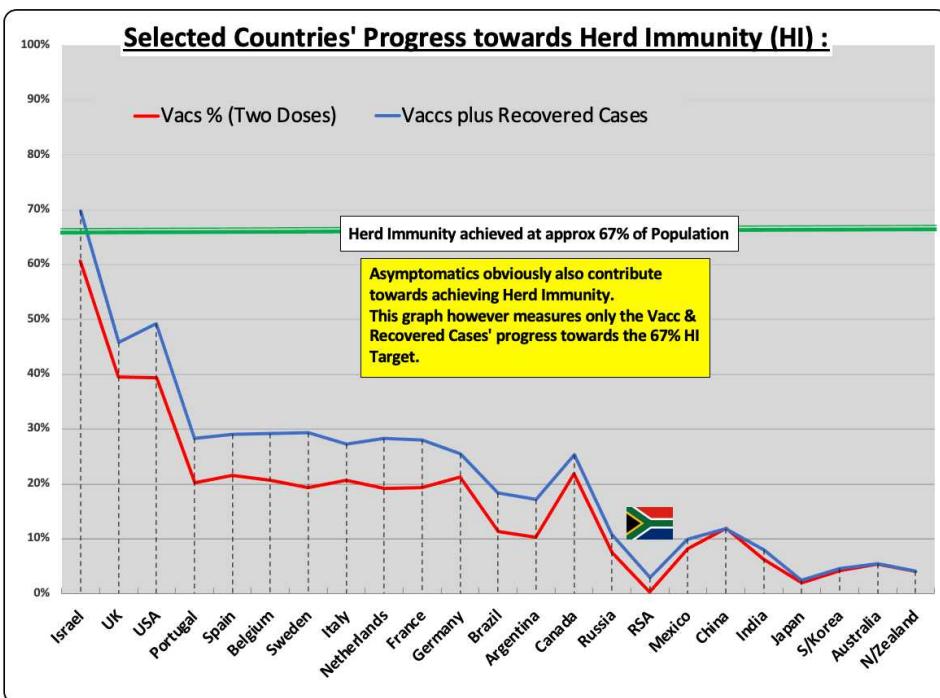
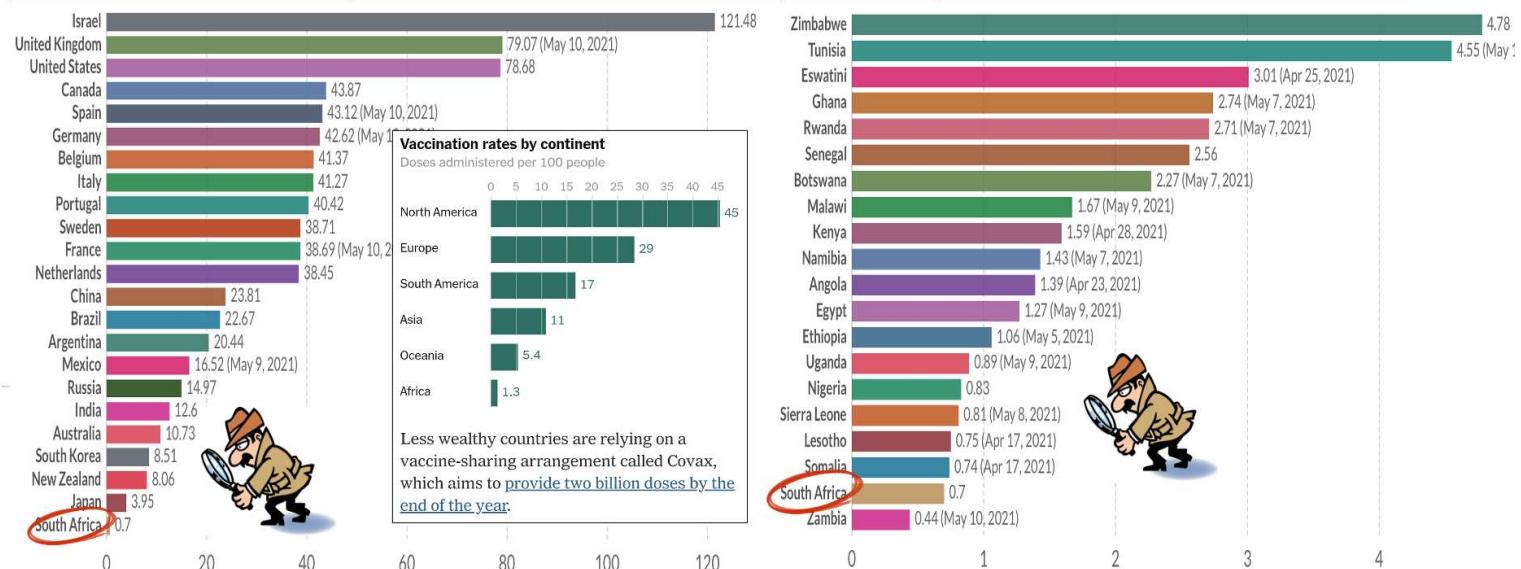
13 May 2021

Vaccination Data

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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: 430 730 (single dose) Avg Vaccs per day : 5 522

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

20,0 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 40.4 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.



Africa Daily Reported New Cases & Deaths 7 Day MA

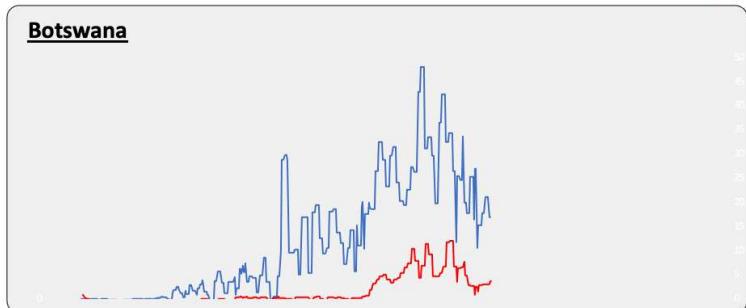
Page 6.2

 Noteworthy: Regular data shows adverse trends

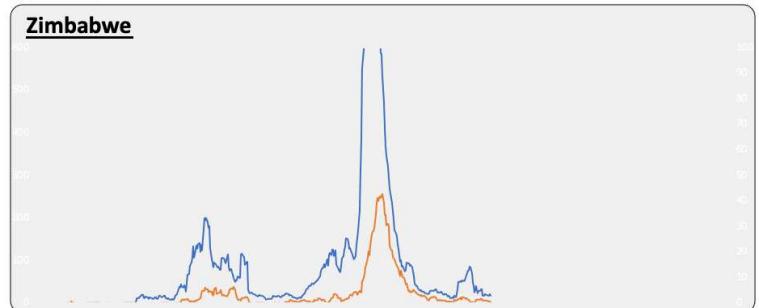
(Jan 2020 to Present)

CASES DEATHS

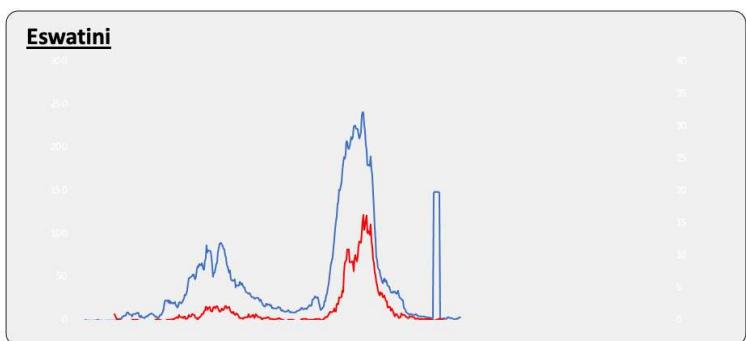
Botswana



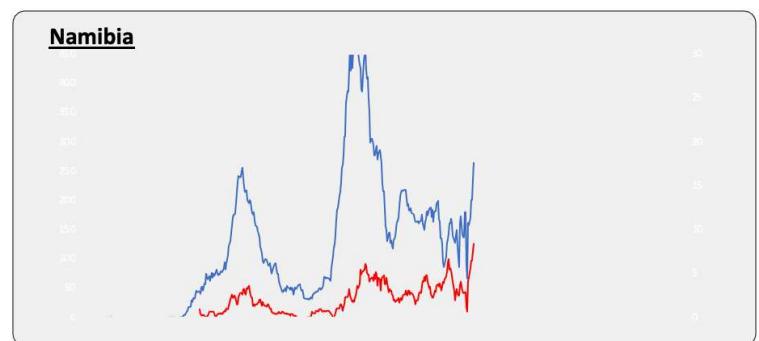
Zimbabwe



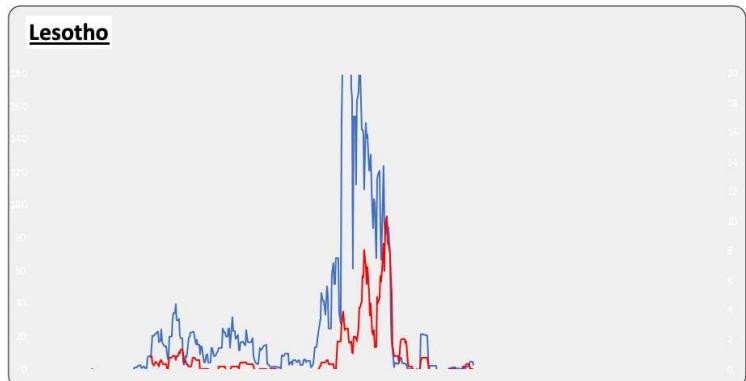
Eswatini



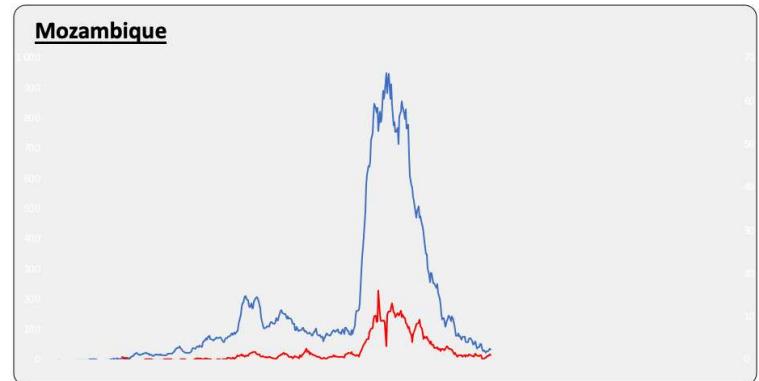
Namibia



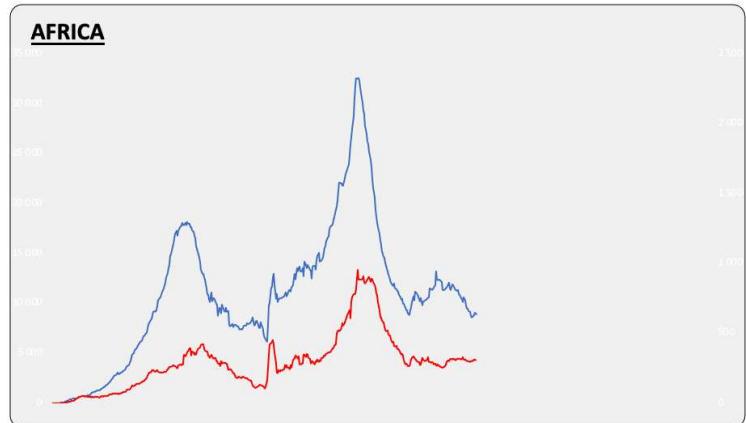
Lesotho



Mozambique

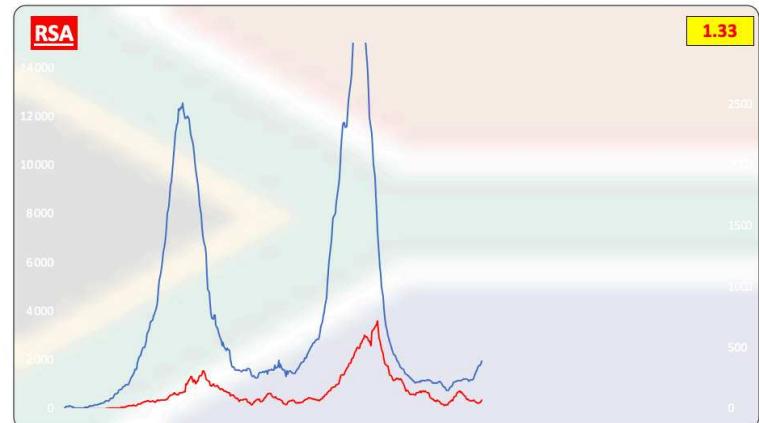


AFRICA



RSA

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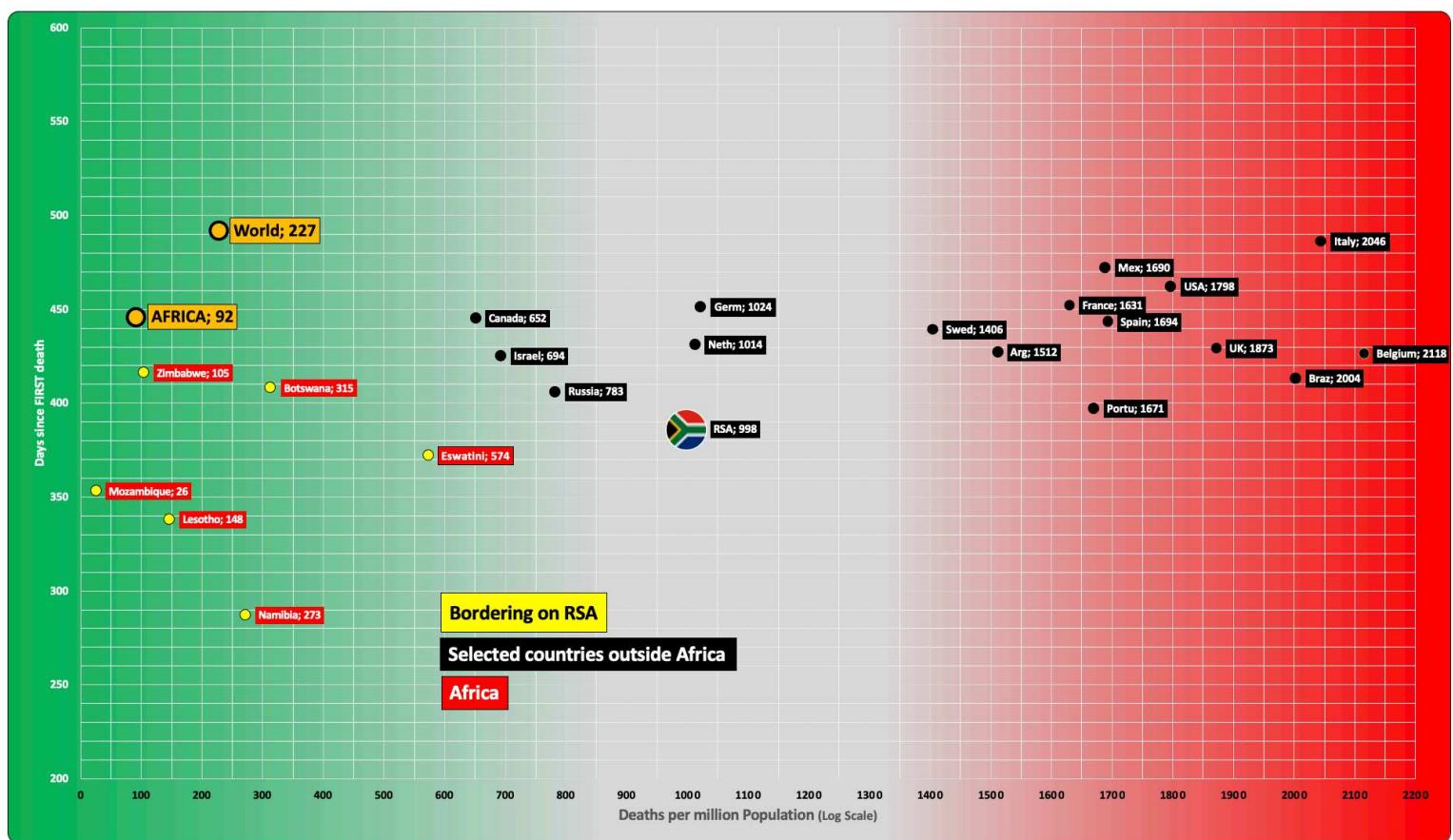
Data as at:

12 May 2021

Unless otherwise indicated

hdg

13 May 2021



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



Some food for thought.....



Choosing Safer Activities

Accessible link: <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/participate-in-activities.html>

Unvaccinated People	Your Activity	Fully Vaccinated People
	Outdoor	
	Walk, run, wheelchair roll, or bike outdoors with members of your household	
	Attend a small, outdoor gathering with fully vaccinated family and friends	
	Attend a small, outdoor gathering with fully vaccinated and unvaccinated people	
	Dine at an outdoor restaurant with friends from multiple households	
	Attend a crowded, outdoor event, like a live performance, parade, or sports event	
	Indoor	
	Visit a barber or hair salon	
	Go to an uncrowded, indoor shopping center or museum	
	Ride public transport with limited occupancy	
	Attend a small, indoor gathering of fully vaccinated and unvaccinated people from multiple households	
	Go to an indoor movie theater	
	Attend a full-capacity worship service	
	Sing in an indoor chorus	
	Eat at an indoor restaurant or bar	
	Participate in an indoor, high intensity exercise class	

Get a COVID-19 vaccine



Prevention measures not needed



Take prevention measures

Fully vaccinated people: wear a mask

Unvaccinated people: wear a mask, stay 6 feet apart, and wash your hands.

- Safety levels assume the recommended prevention measures are followed, both by the individual and the venue (if applicable).
- CDC cannot provide the specific risk level for every activity in every community. It is important to consider your own personal situation and the risk to you, your family, and your community before venturing out.



cdc.gov/coronavirus

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