

HarryG COVID-19 StatsPack

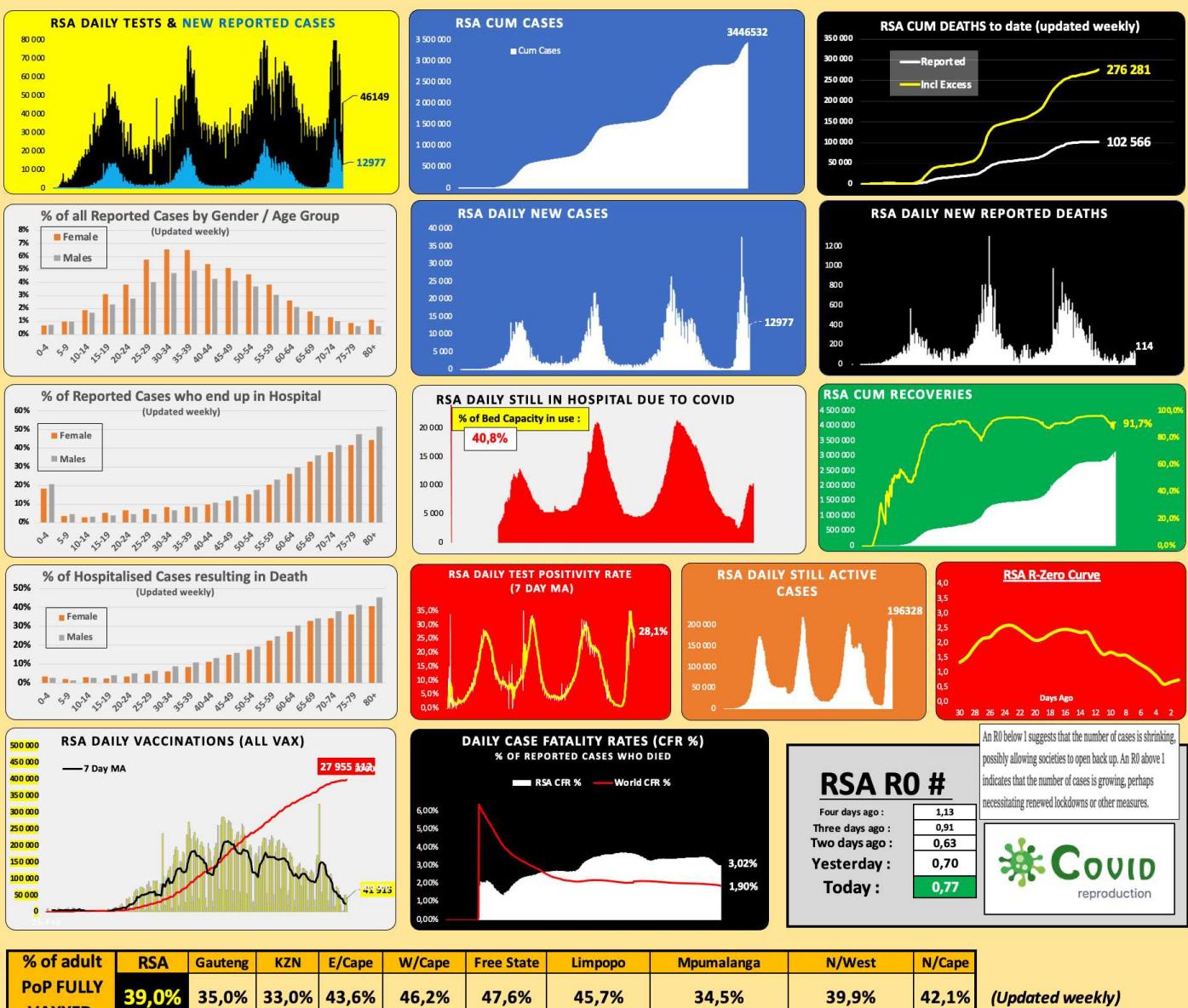
Deteriorating

Improving

Against
Previous Day

Page 1

Cum Cases		Daily Cases		RSA COVID-19 DASHBOARD as at: 31-Dec-21	Daily Still in Hospital	Case Fatality Rates (CFR): Reported Cases Hospital Cases		Vaccinations:		Time to achieve Govt Target of 41m vaccs	
3 446 532	12 977				9379	3,02%	20,88%	Daily Avg	90 178	1,23	Yrs
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP		% of RSA PoP who have died to date : Reported Deaths Incl Excess Deaths	0,174%	0,461%	7 Day MA Vaccs per day	25 179	4,40	Yrs	
196 328	57 559	1738		Total to date:	27 955 112		Cum Tests	Daily Tests			
Deaths Ages	Deaths Avg	Deaths Median	Deaths Min Age	% of RSA PoP who have died to date PROJECTED to end 2021: Reported Deaths Incl Excess Deaths	0,23%	0,57%	21 187 864	46 149			
Avg	Median	Min Age	Max Age	Cases	Deaths	CFR	Hospitalised	Daily Test Positivity Rate:	28,1%		
62,3	59,1	0,2	108	56,5%	51,6%	2,57%	55,3%				
				43,5%	48,4%	3,12%	44,7%				
				22-Dec							



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.

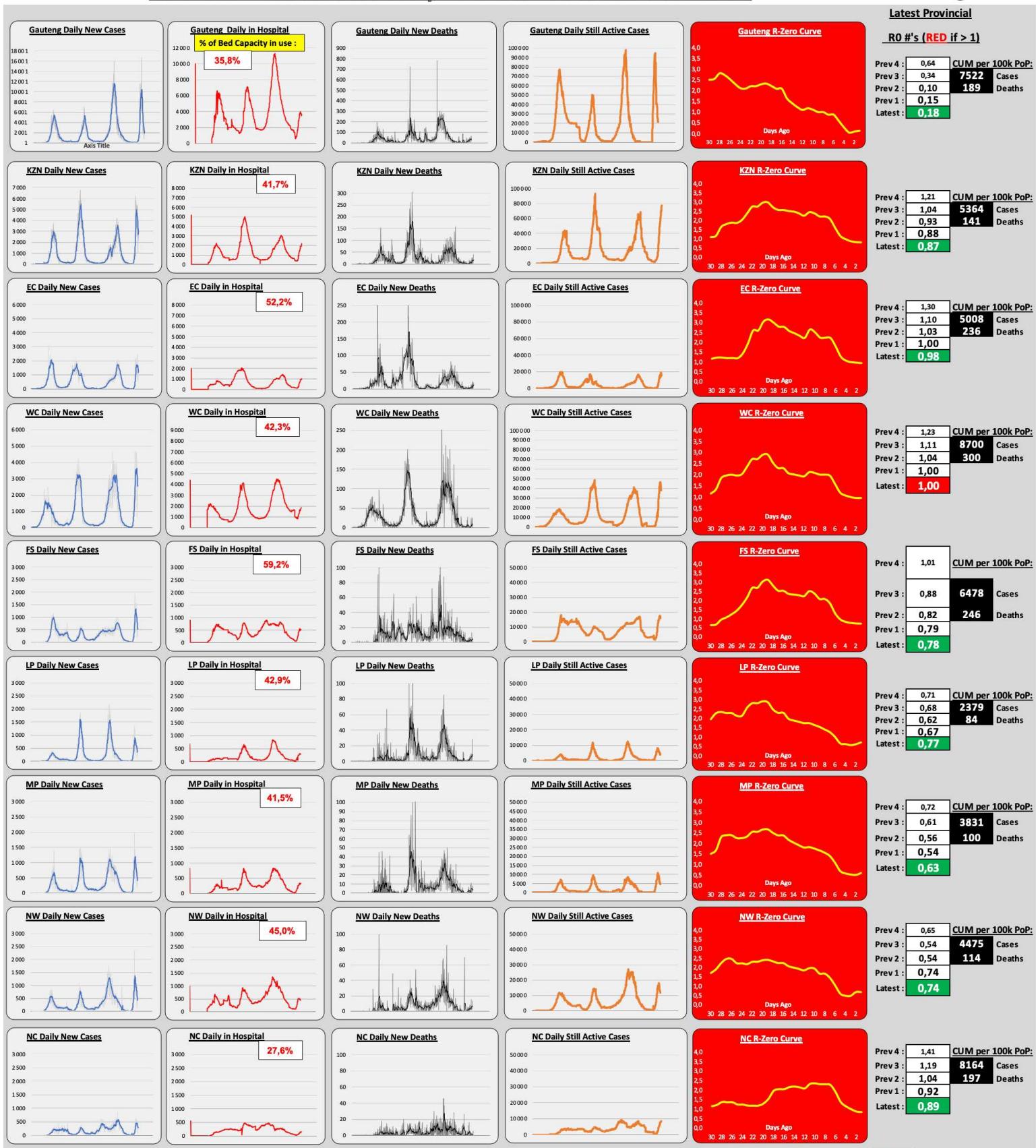
% of adult PoP FULLY VAXXED:	RSA	Gauteng	KZN	E/Cape	W/Cape	Free State	Limpopo	Mpumalanga	N/West	N/Cape	(Updated weekly)
39,0%	35,0%	33,0%	43,6%	46,2%	47,6%	45,7%	34,5%	39,9%	42,1%		

Progress Ranking by Province : 7 9 4 2 1 3 8 6 5

Data as at: 30 December 2021 Unless otherwise indicated

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RSA Provinces detailed daily Data and Trends Jan 2020 to Mch 2022



Data as at: 30 December 2021 Unless otherwise indicated

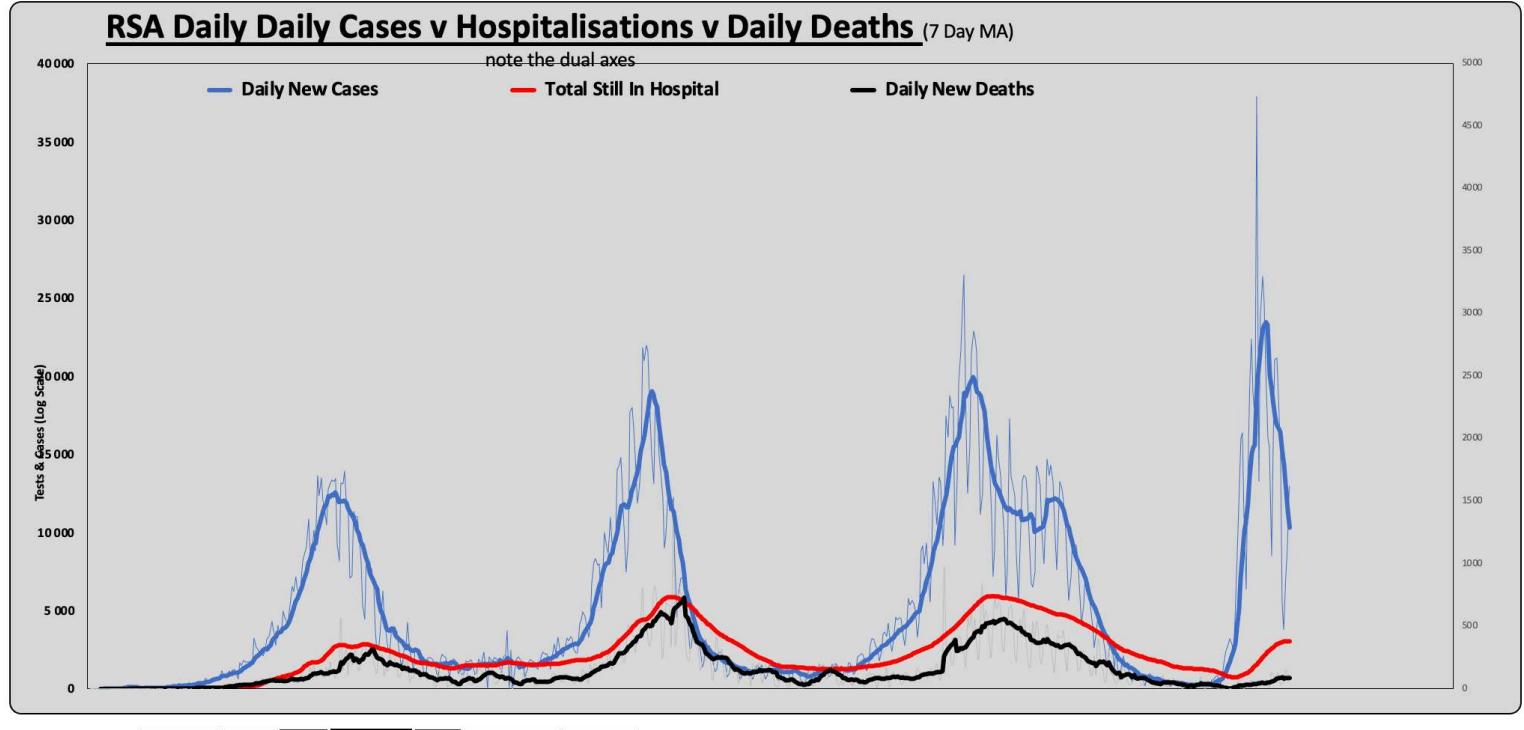
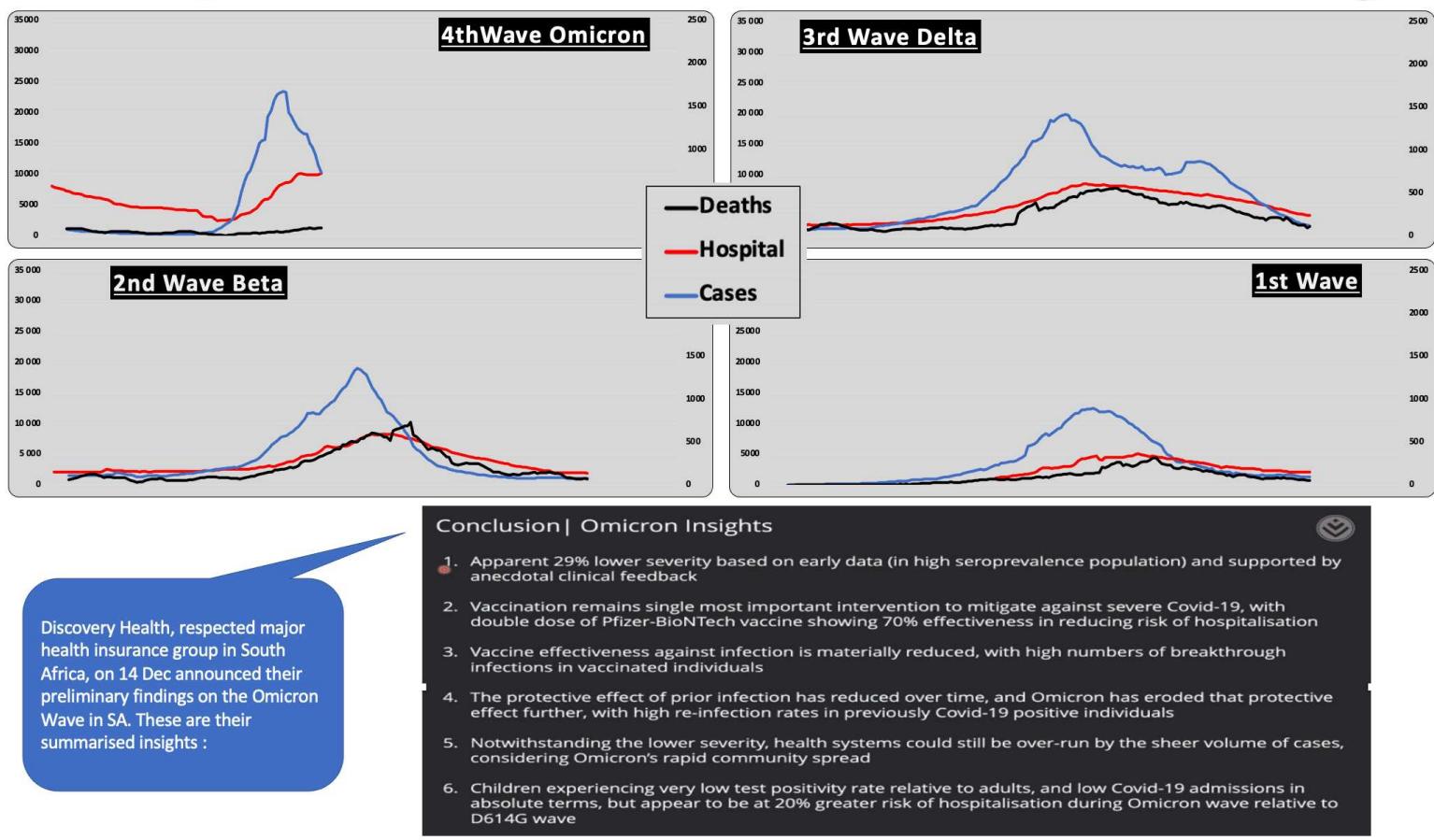
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R-ZERO data sourced from: REPRODUCTION.LIVE



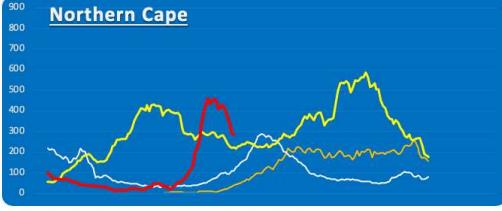
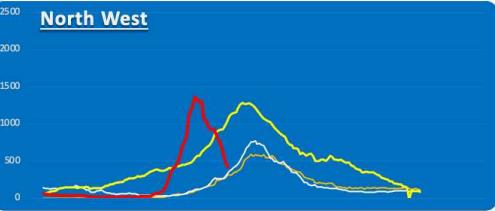
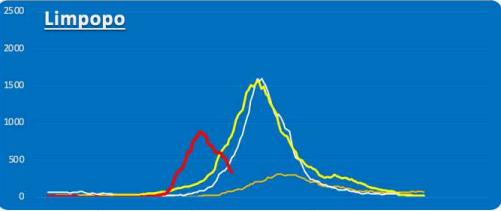
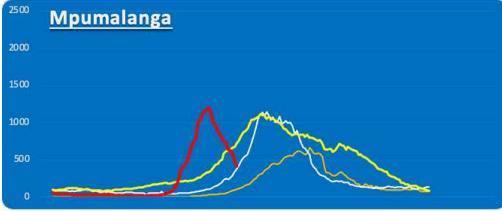
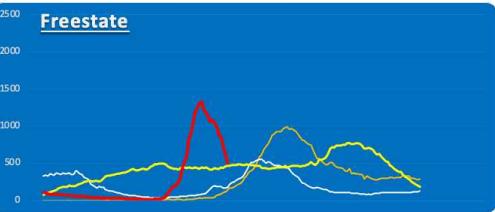
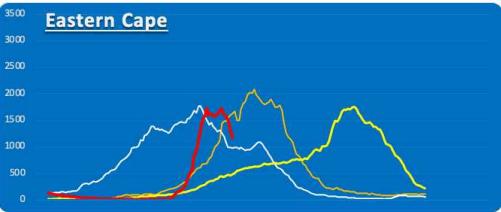
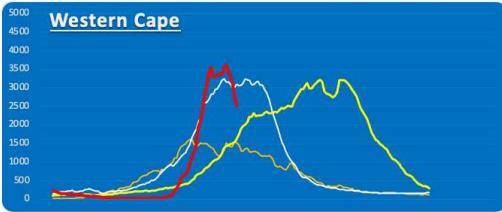
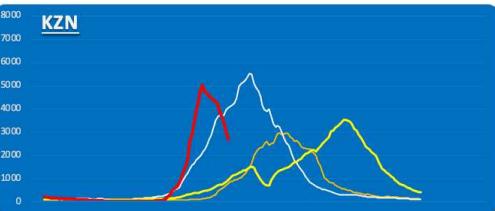
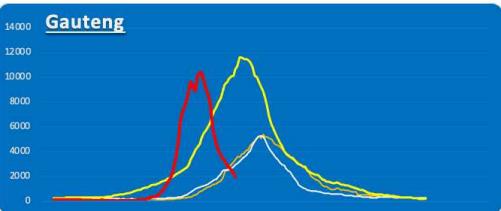
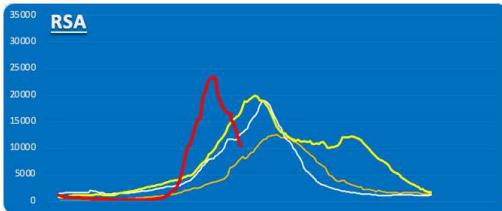
RSA Onsets by Wave (Same axes. 7 Day MA's except for Hospitalisations which are 2 Day MA's)

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Data as at: 30 December 2021 Unless otherwise indicated

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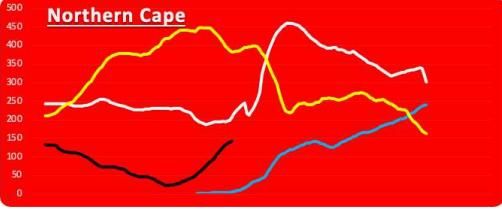
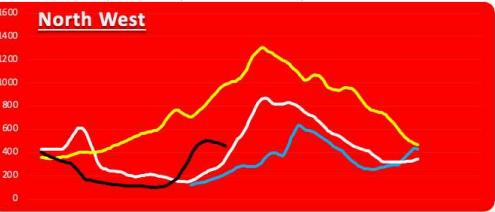
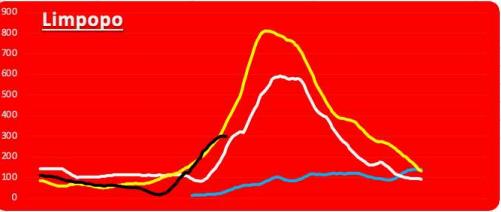
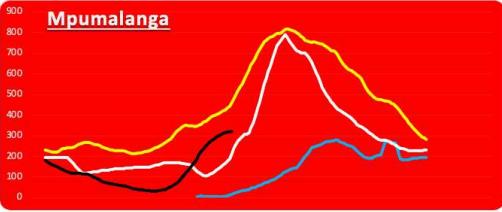
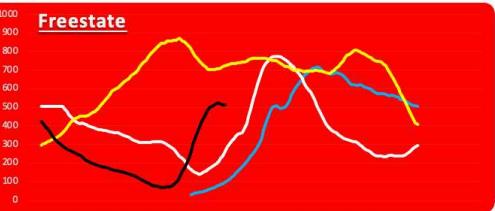
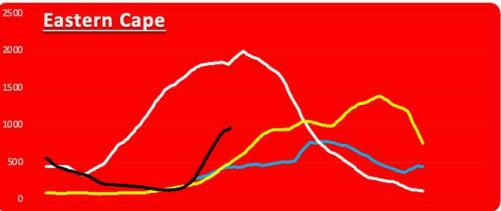
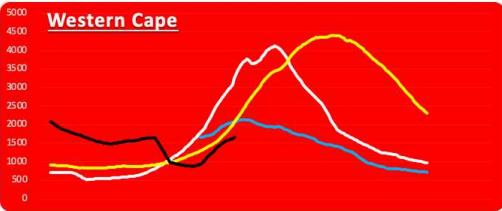
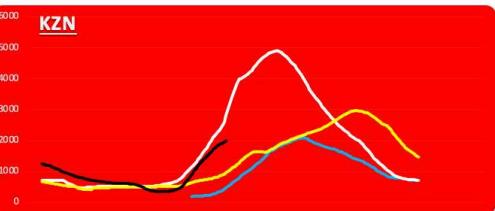
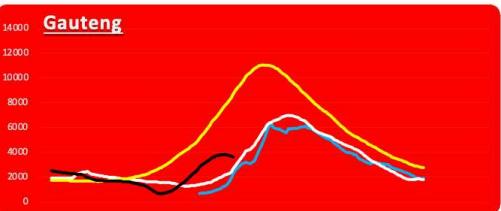
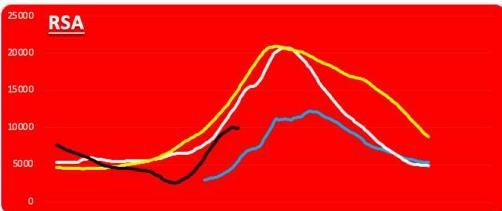


CASES

7 Day MA

- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

All the OVERLAYS are presented using each waves' curve on the same 6 months cycle. Every Wave appears to be approx 6 months duration. This gives a good indication of Rate of Onset as well.



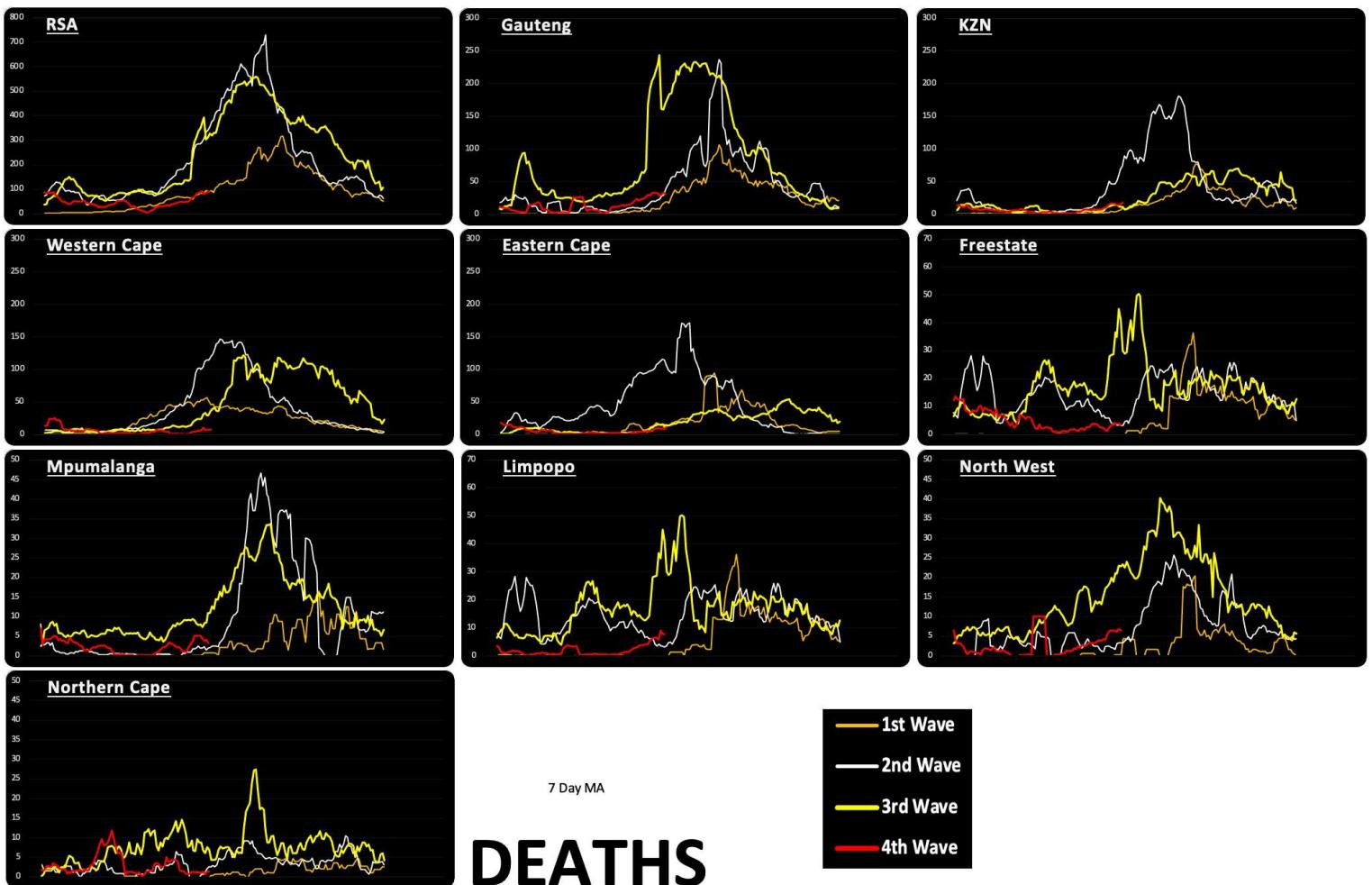
HOSPITALISED

7 Day MA

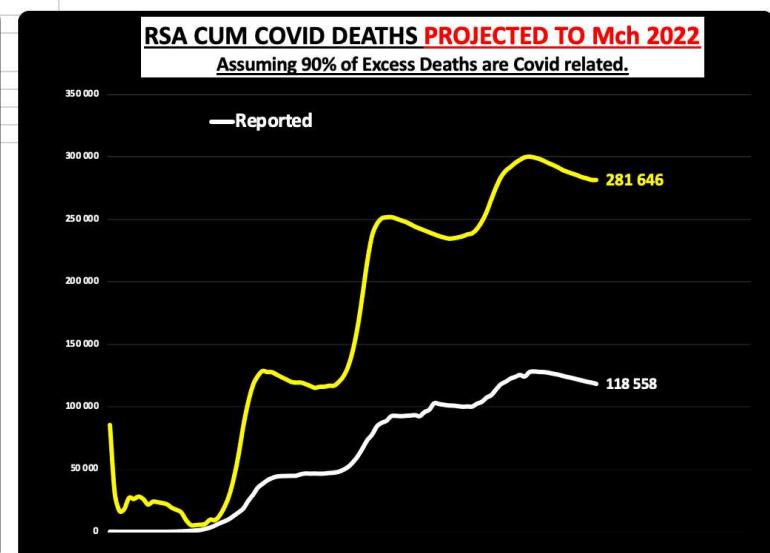
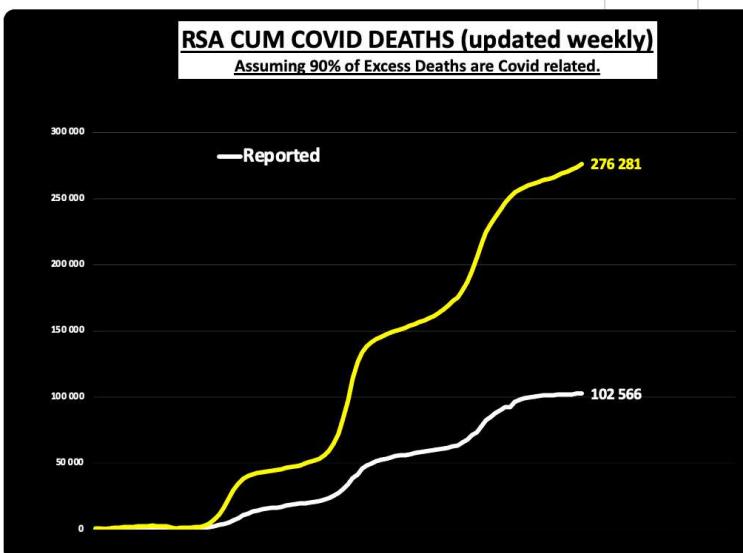
- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

1st / 2nd / 3rd & 4th WAVE OVERLAYS (DAILY DEATHS)

Page 2.2

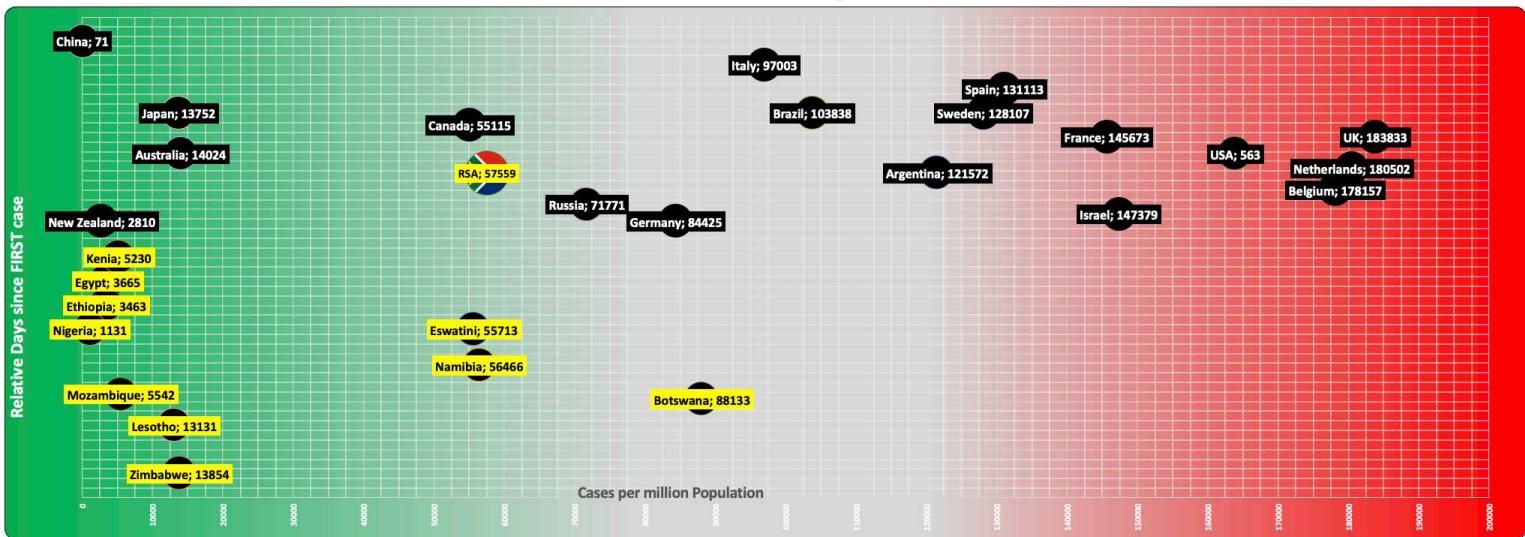


RSA Cum & Projected Deaths (Reported & Incl Excess)

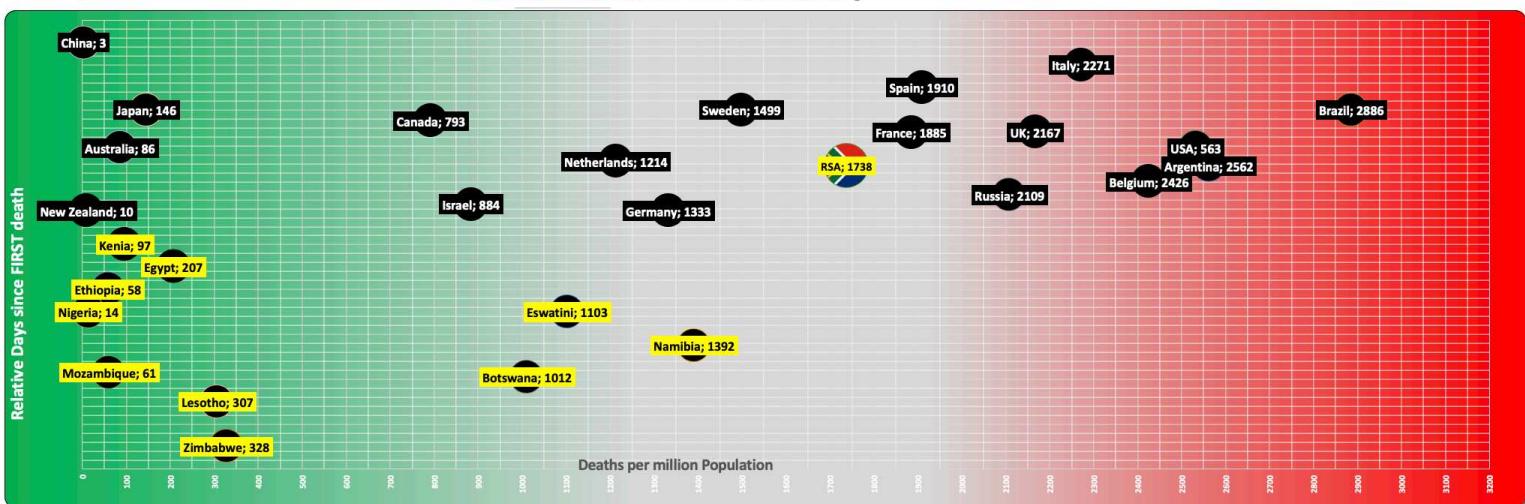


Selected Countries' Cum **REPORTED CASES** per mill PoP

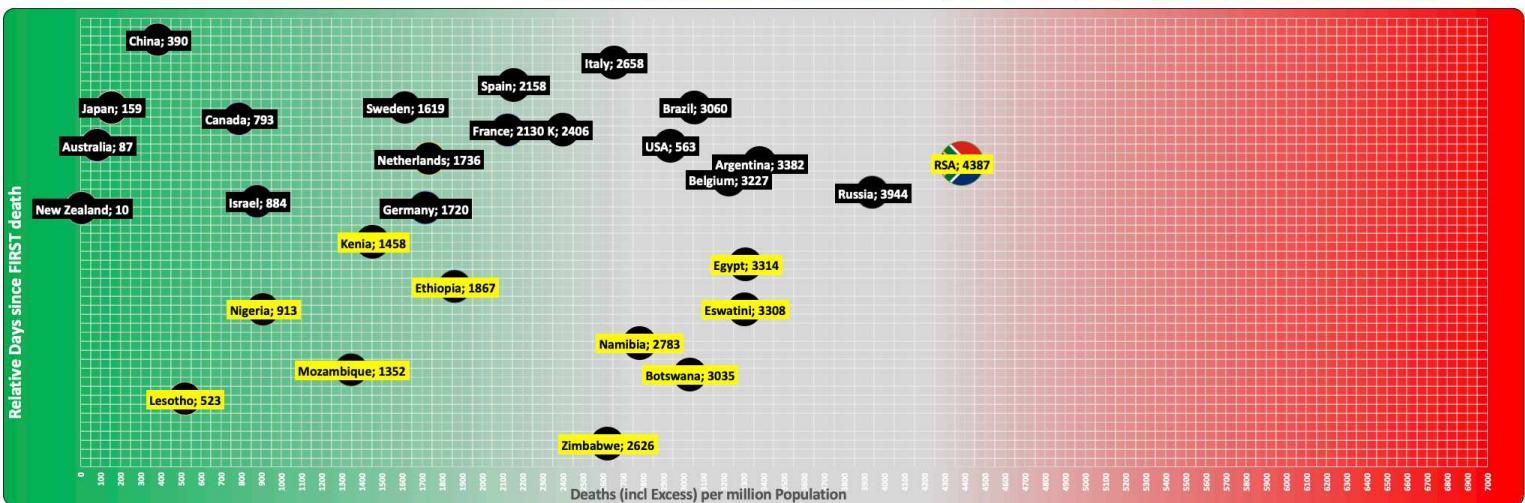
Page 2.3



Selected Countries' Cum **REPORTED DEATHS** per mill PoP



Selected Countries' Cum Deaths incl EXCESS DEATHS* per mill PoP (where data available)



Data as at: 30 December 2021

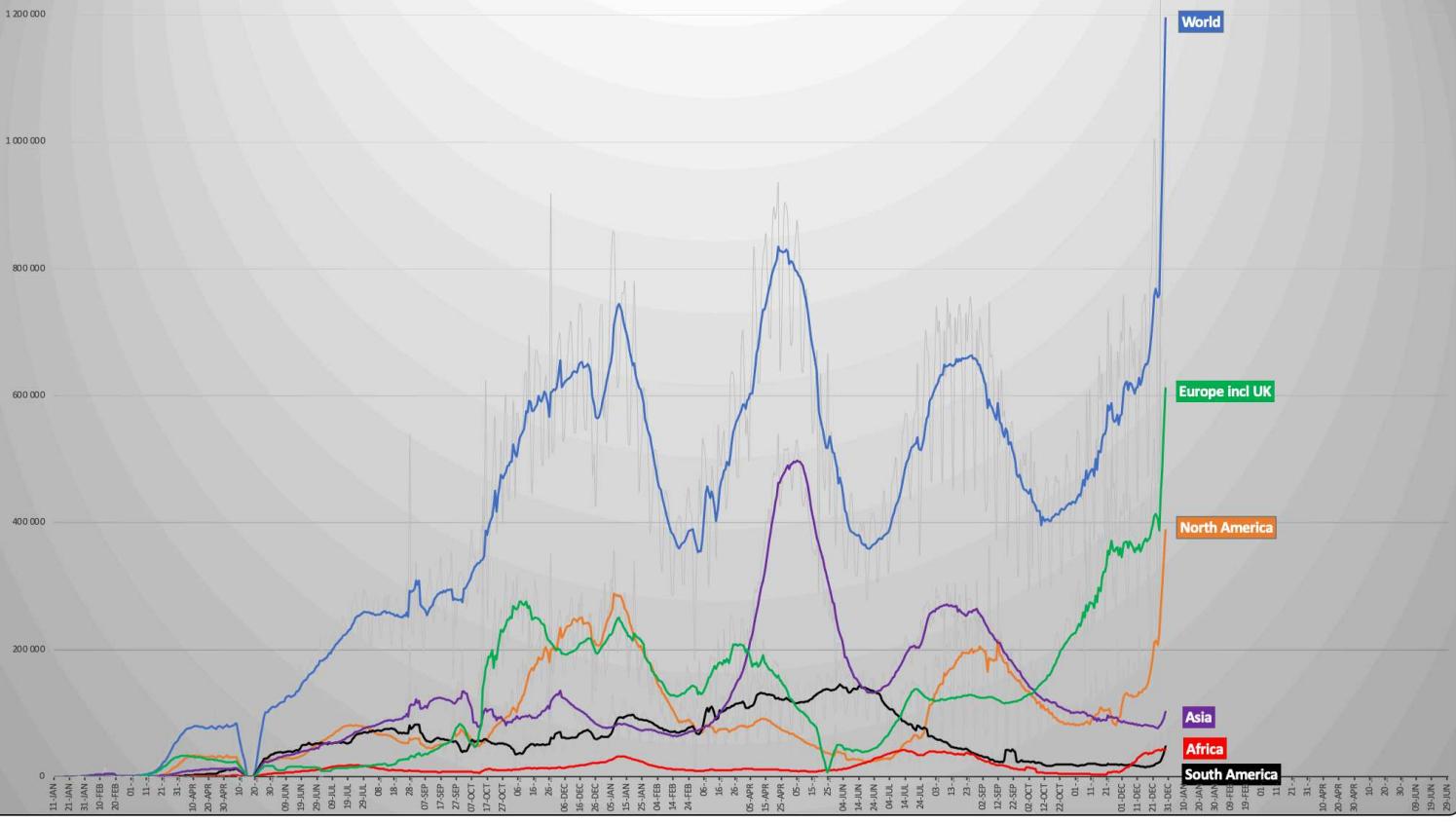
* Excess Deaths %'s as per OurWorldInData & The Economist Magazine

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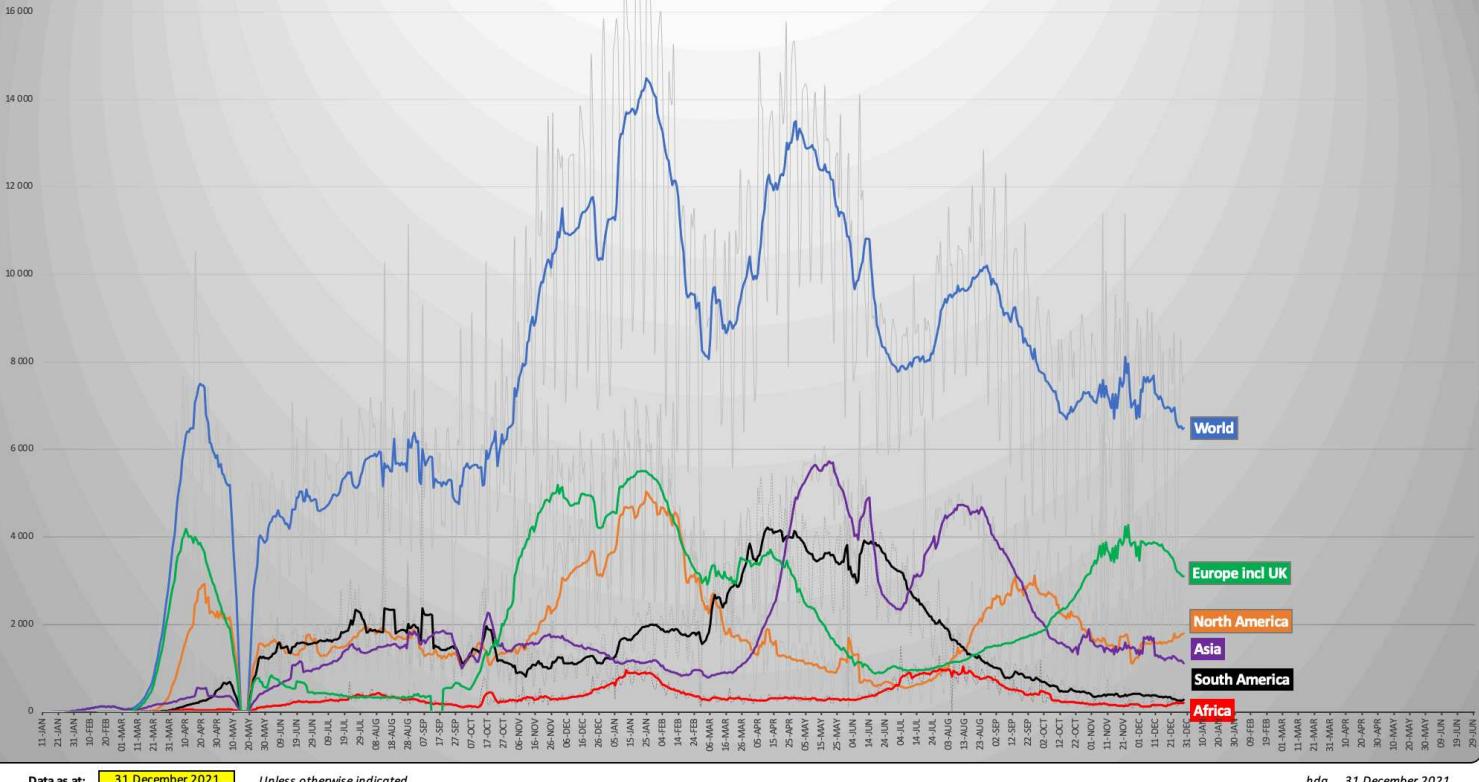
7 Day Moving Average of Daily Reported Deaths & Cases by World Region

Page 3.0

World Regions: 7 Day MA of Daily Cases (Linear Scale)



World Regions: 7 Day MA of Reported Daily Deaths (Linear Scale)



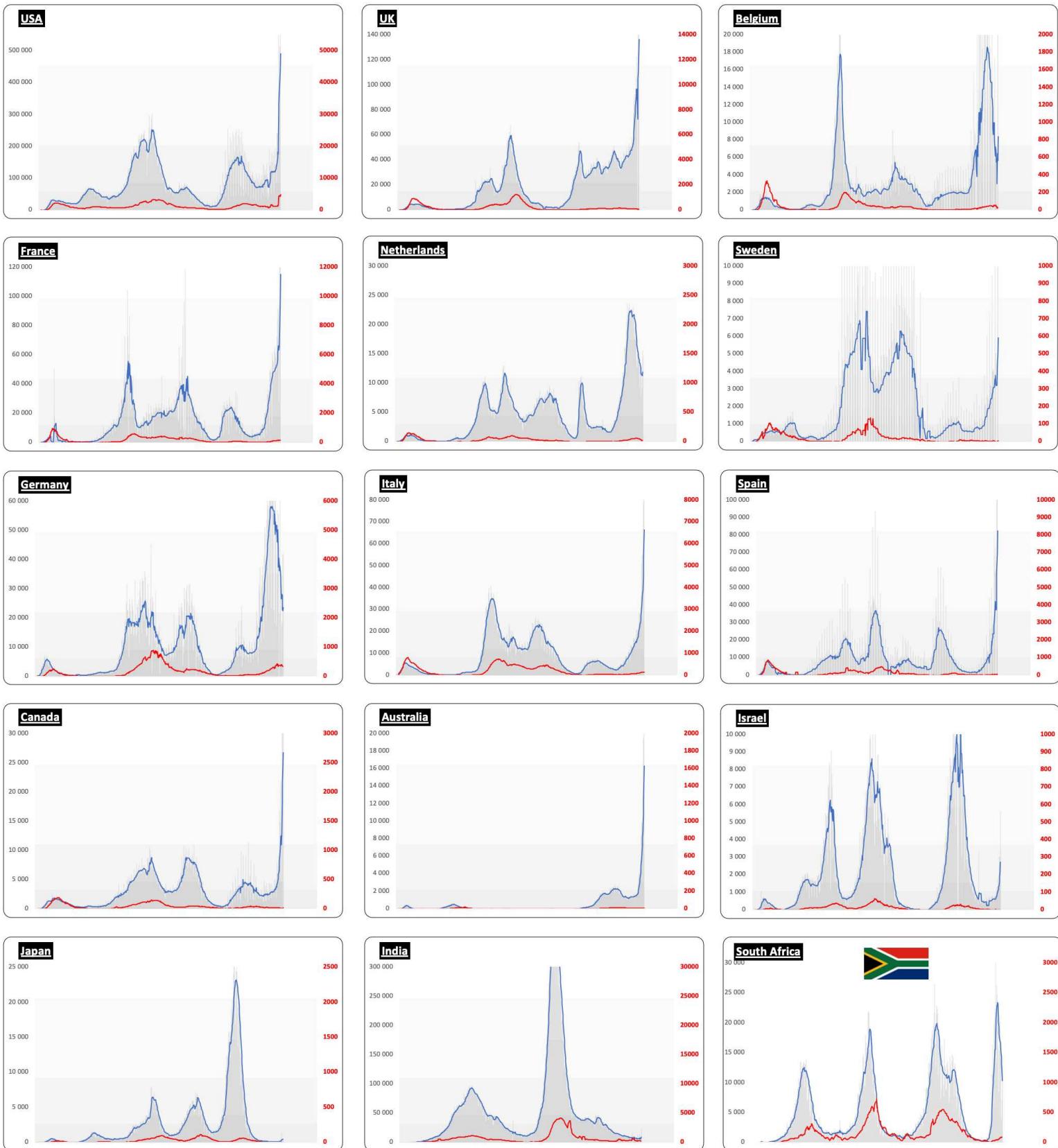
Data as at: 31 December 2021

Unless otherwise indicated

hdg 31 December 2021

Selected Countries' Daily Cases & Daily Deaths as Reported (7 Day MA)

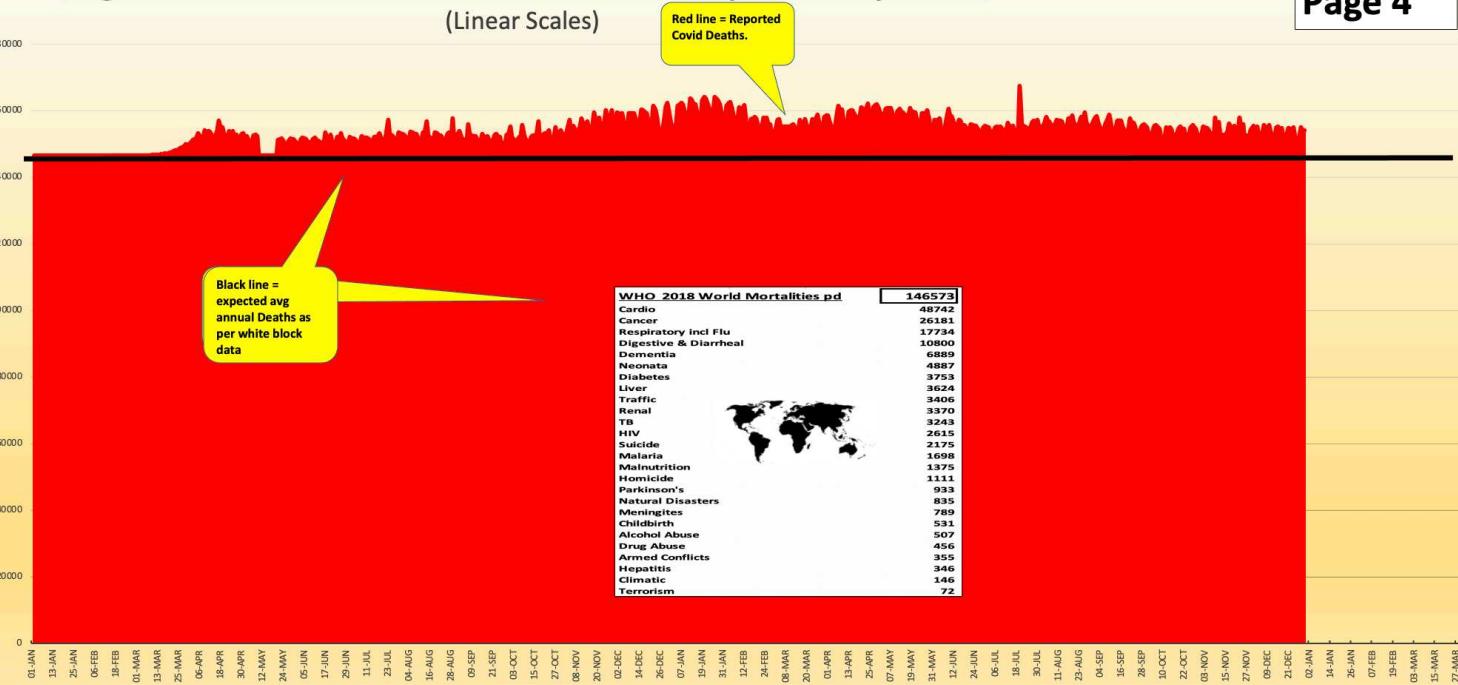
Page 3.1



Data as at: 30 December 2021 Unless otherwise indicated

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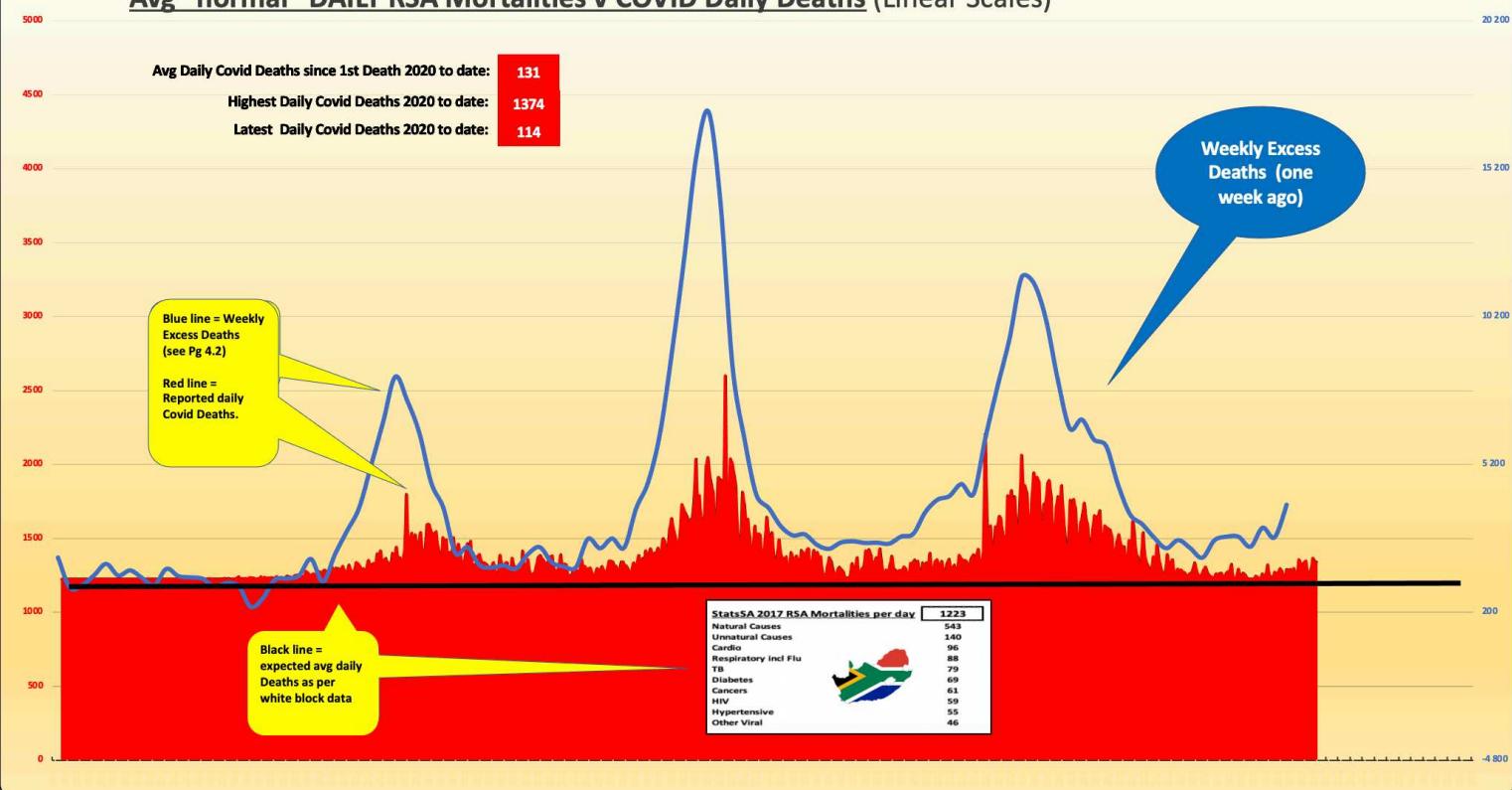
Avg "normal" DAILY WORLD Mortalities v COVID Reported Daily Deaths (Linear Scales)



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)

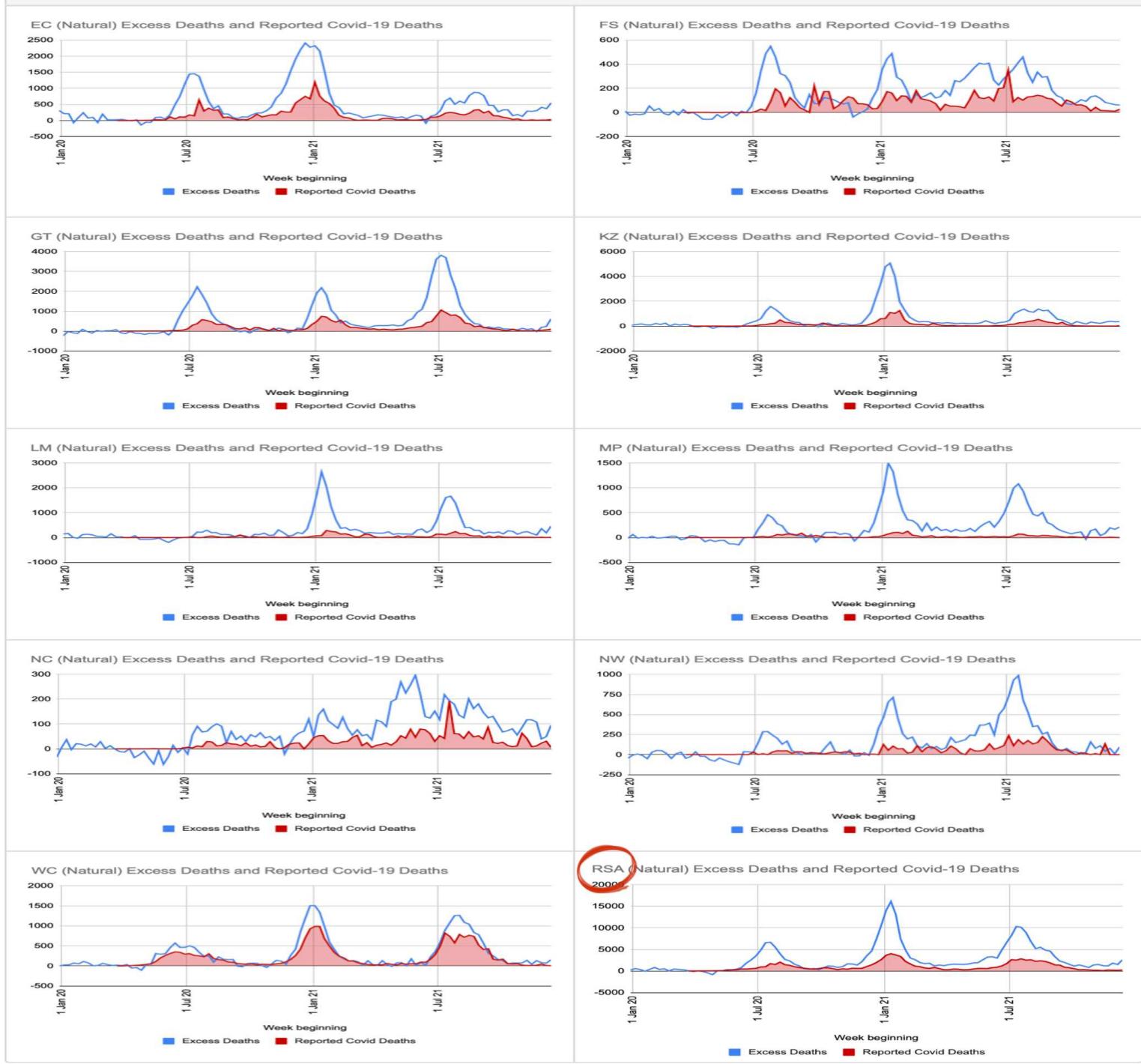


RSA Excess Deaths as per SA Medical Research Council

As at : 18 December 2021

Page 4.1

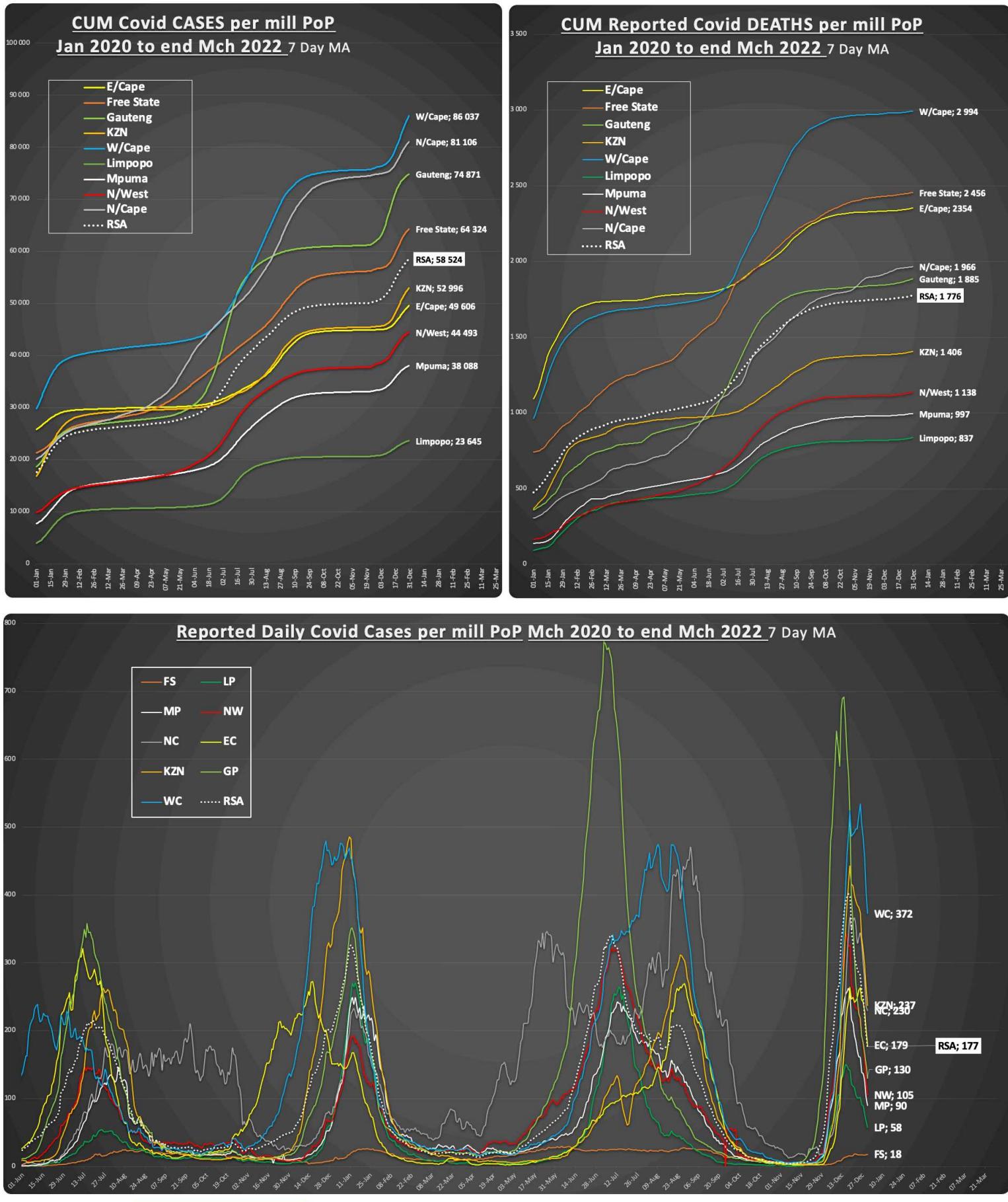
Provinces



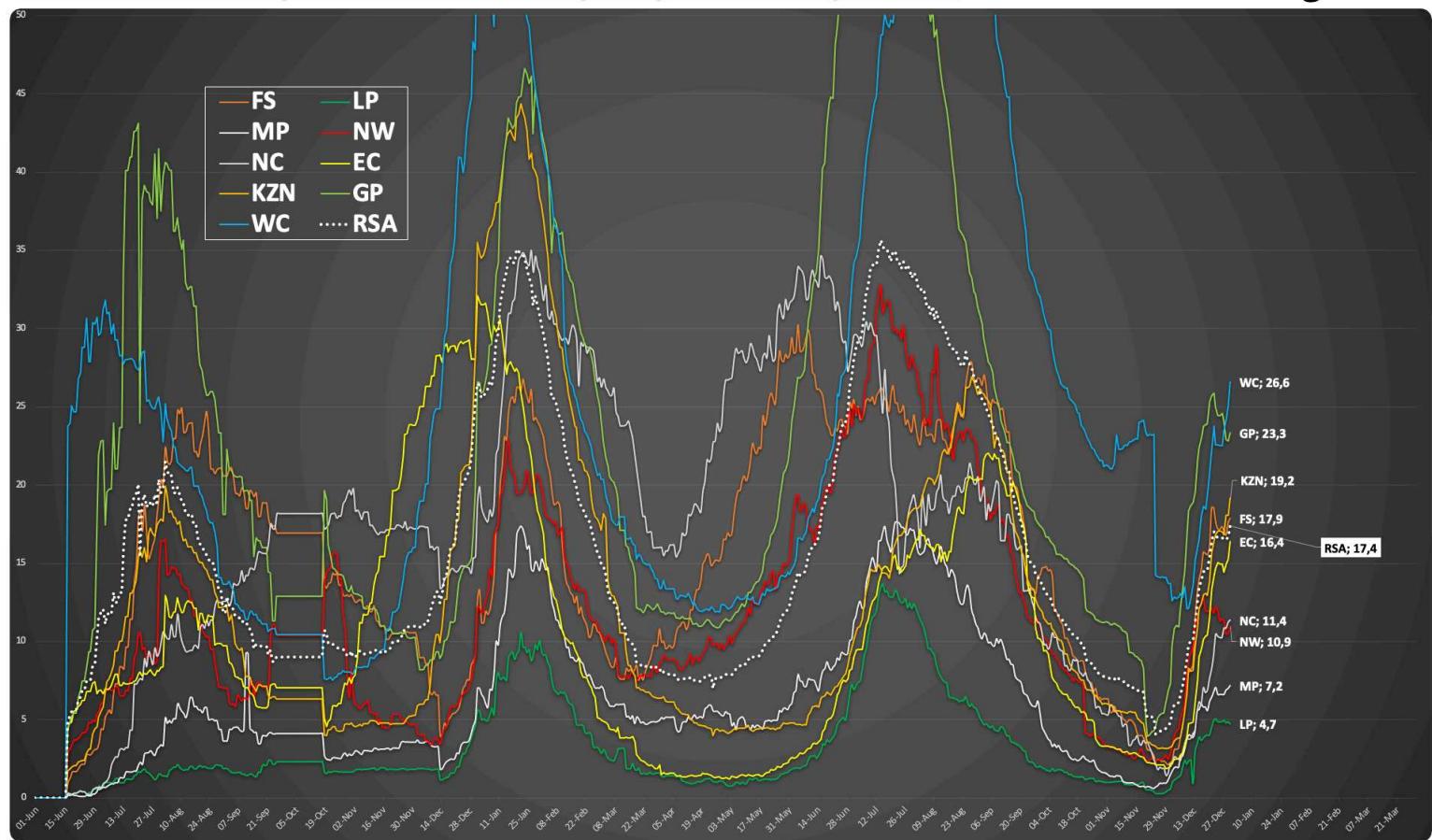
The red lines are weekly Covid deaths as reported by Dept of Health.
 The blue lines are total Natural Deaths as reported by Dept of Home Affairs.
 The differences are the so-called "Excess Deaths" which can largely be ascribed to Covid, either directly (home/rural deaths) and/or indirectly (limited access to hospitals).

RSA Provinces Key Metrics per million PoP (Jan 2020 to end Mch 2022)

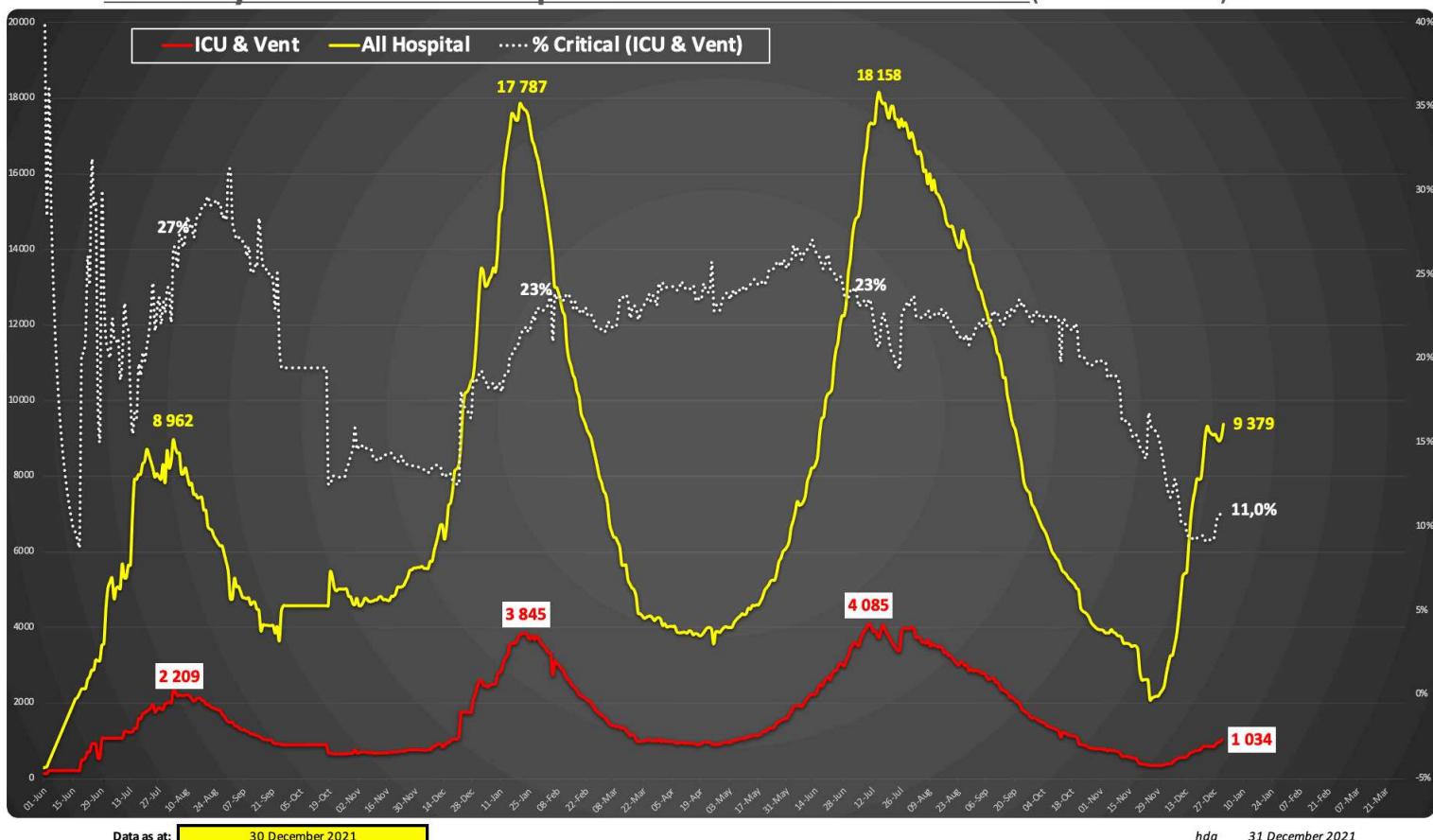
Page 5

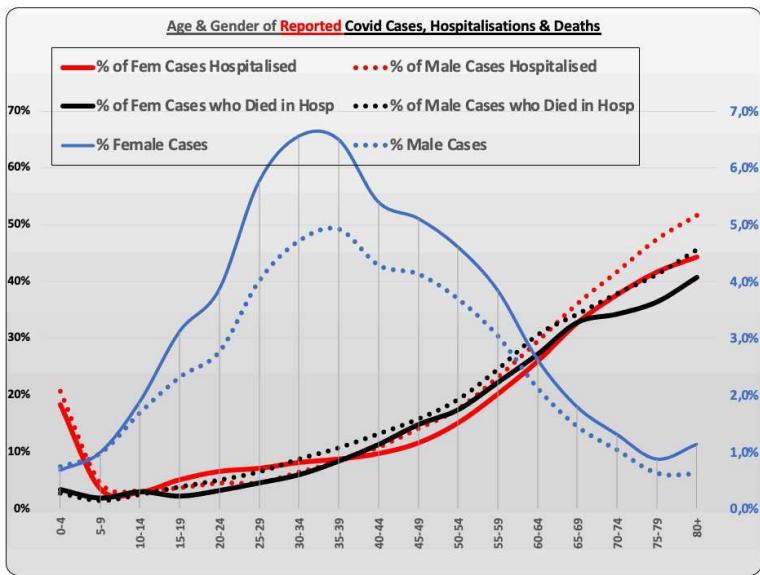
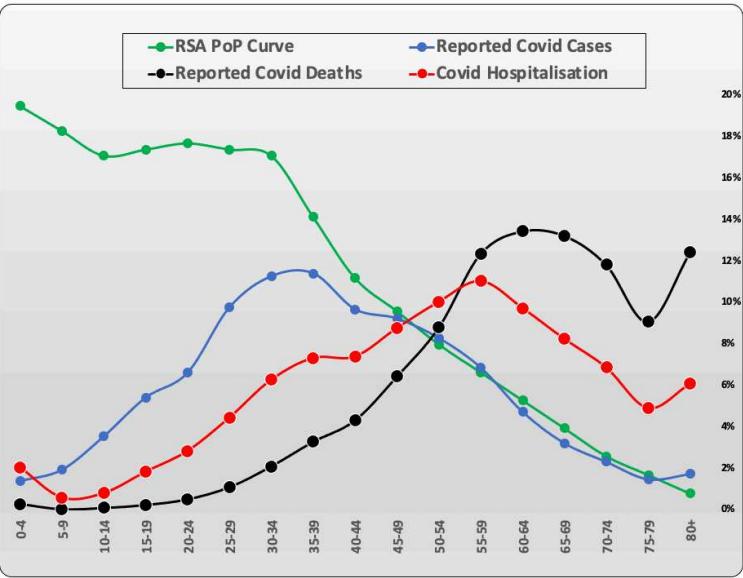


RSA & Prov's Daily Covid Cases in Hospital per 100k Population

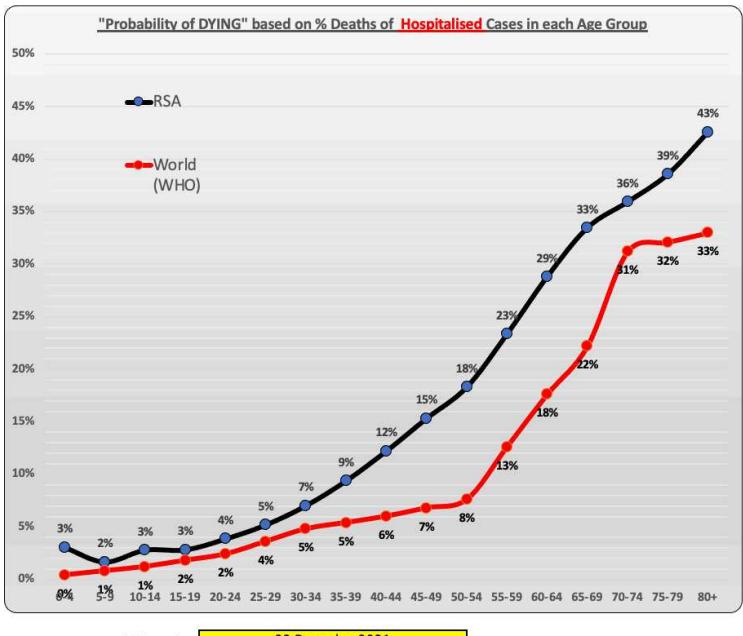
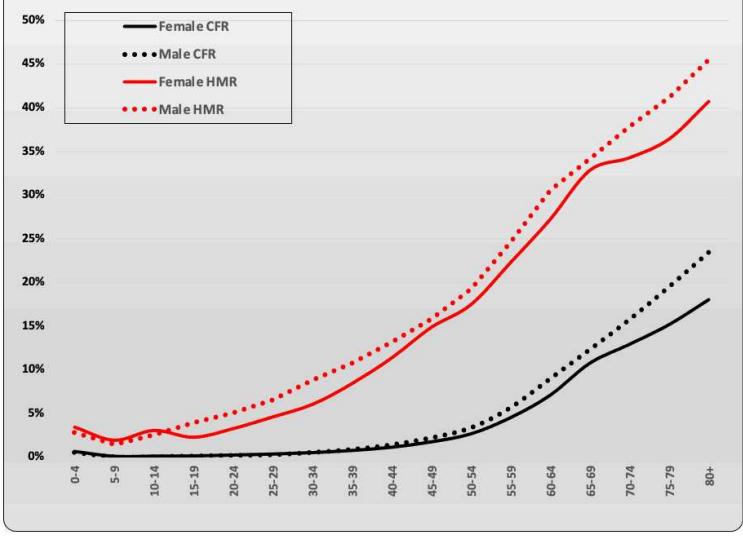


RSA Daily Covid Cases In Hospital : Jun 2020 to end Mch 2022 (actual not MA)

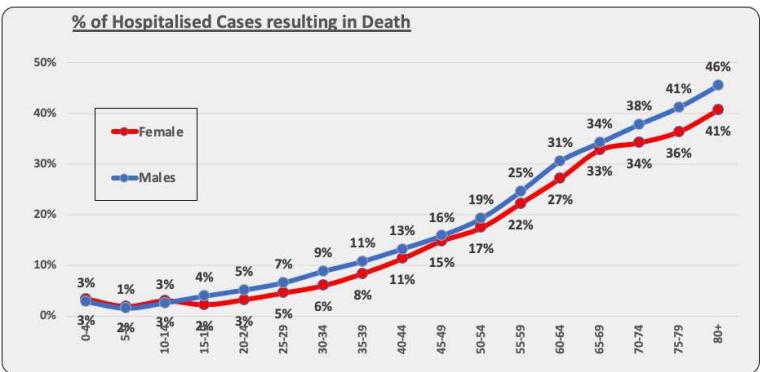
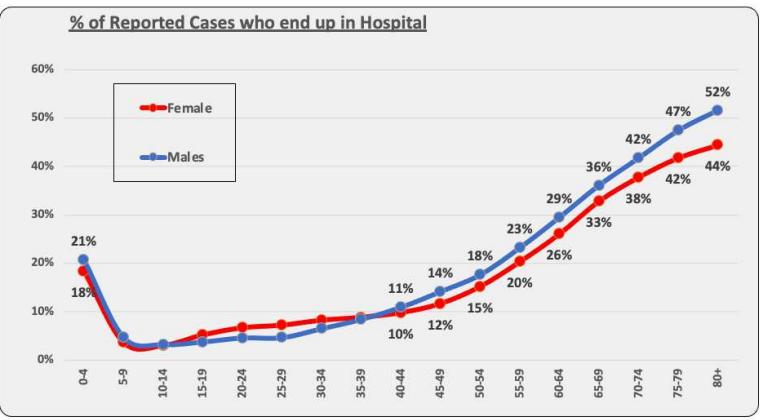
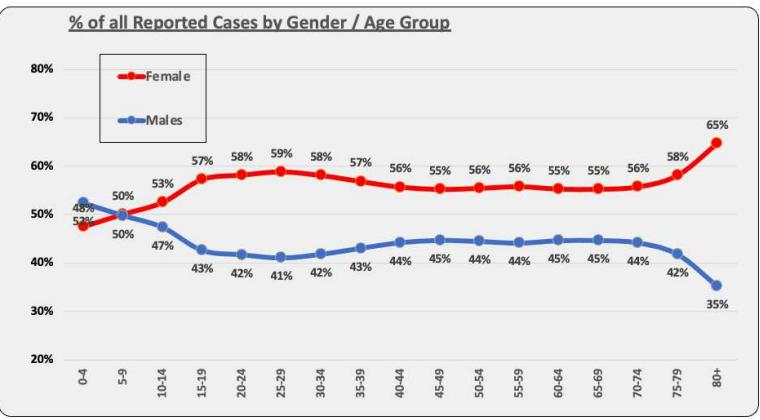




Case Fatality Rates (CFR) & Hospital Mortality Rates (HMR)



Data as at: 22 December 2021

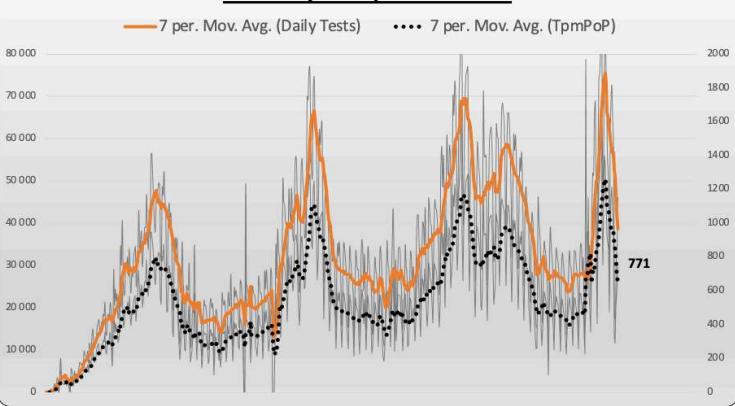


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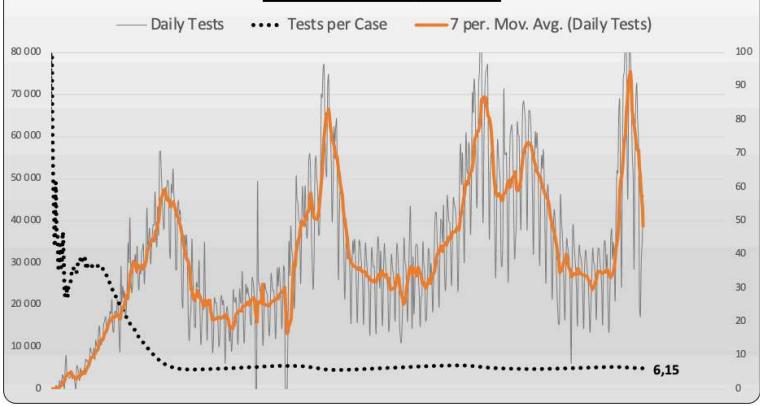
RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 6.1

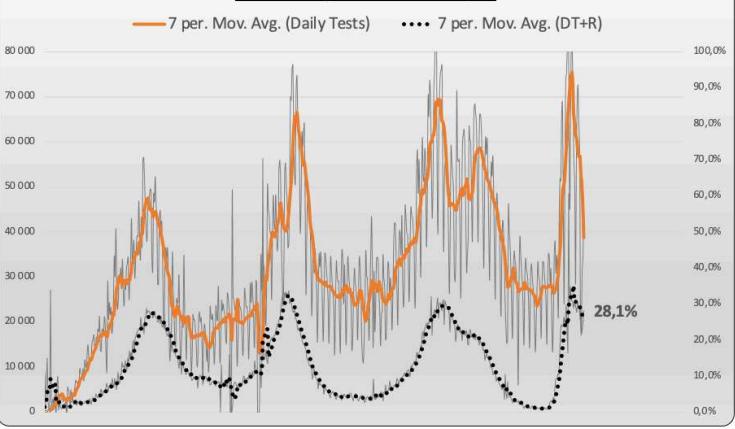
RSA: Daily Tests per million PoP



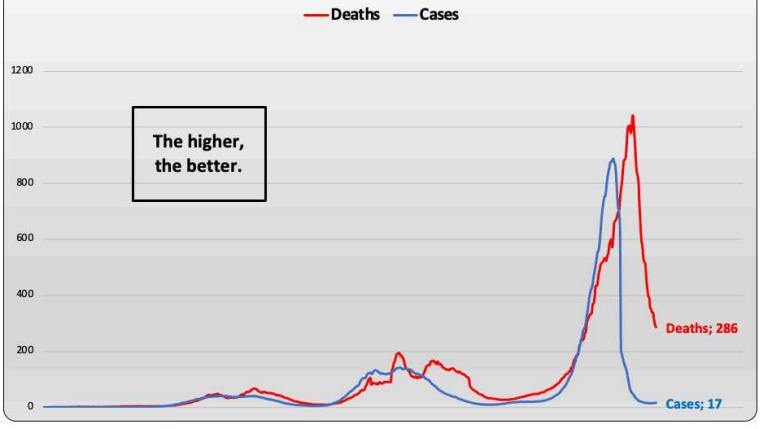
RSA: Daily Tests per +Case



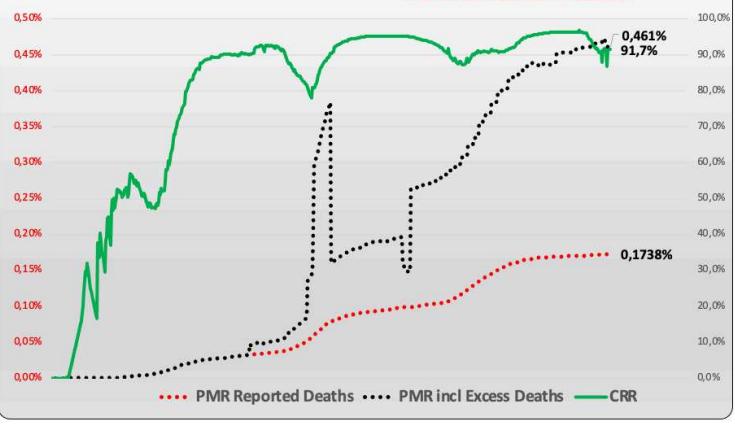
RSA: Daily Tests Positivity %



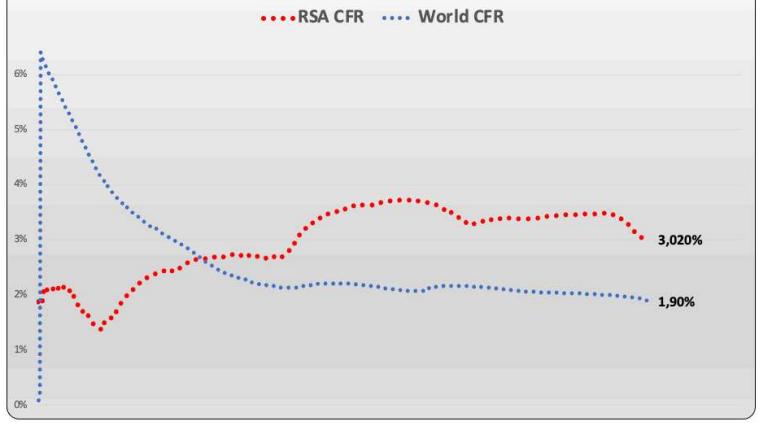
RSA Doubling Times in Days



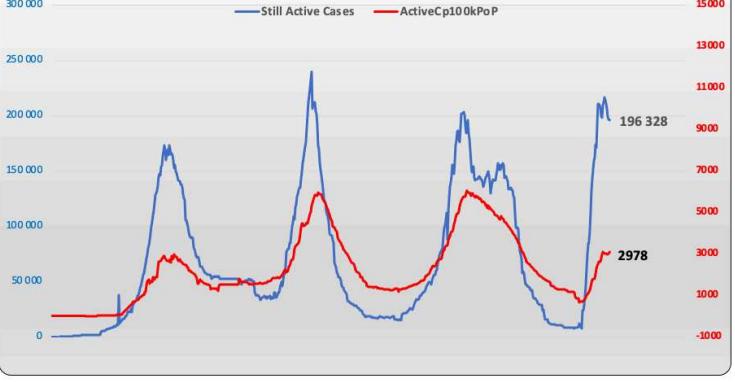
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



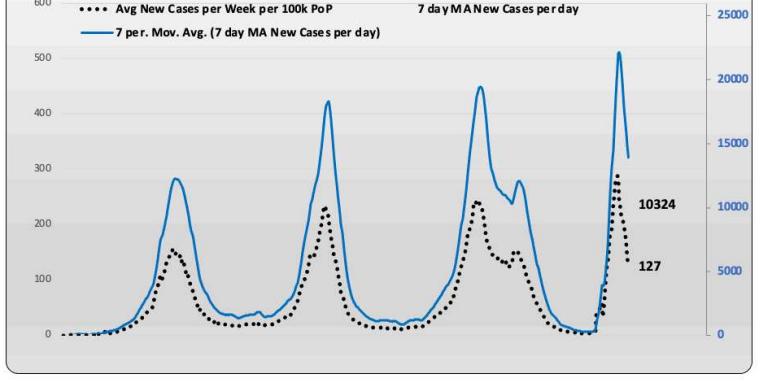
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Still Active Reported Cases per 100k PoP

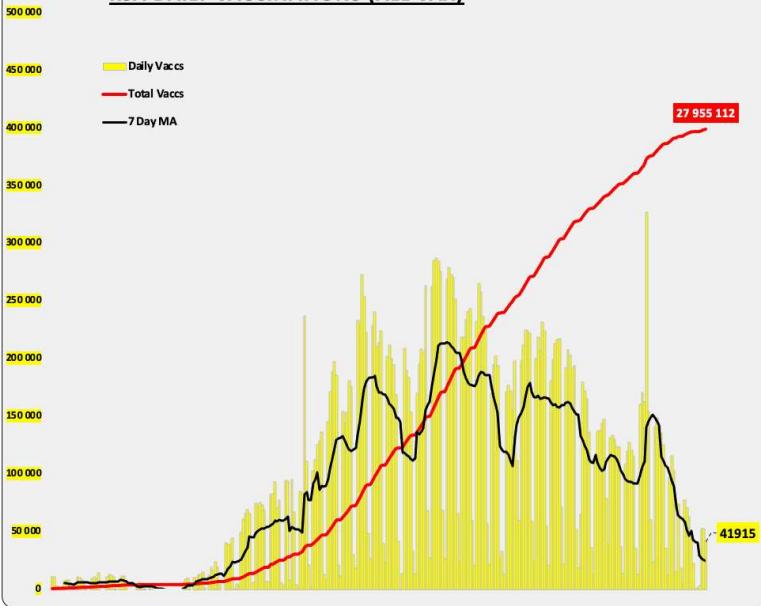


RSA: Avg New Reported Cases per week per 100k PoP



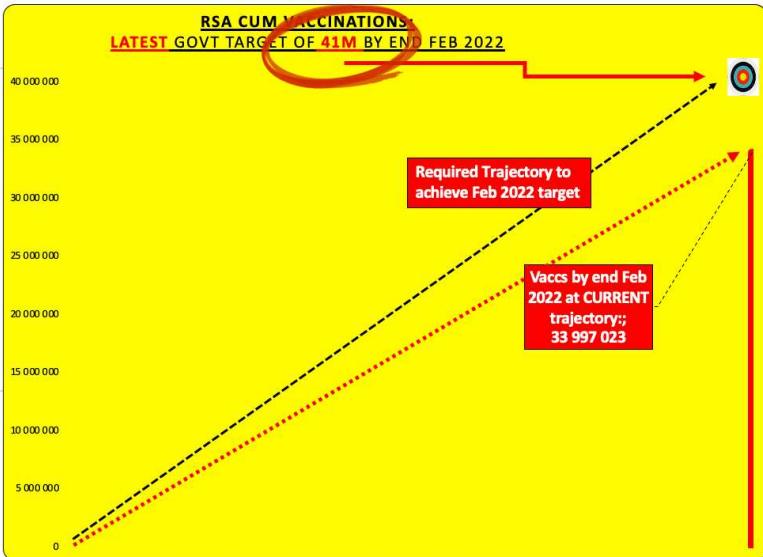
Vaccination Data

RSA DAILY VACCINATIONS (ALL VAX)



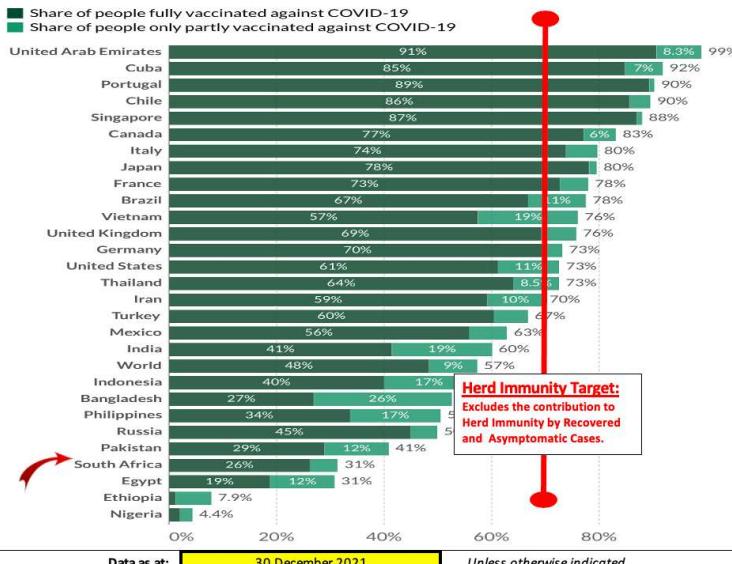
RSA CUM VACCINATIONS

LATEST GOVT TARGET OF 41M BY END FEB 2022



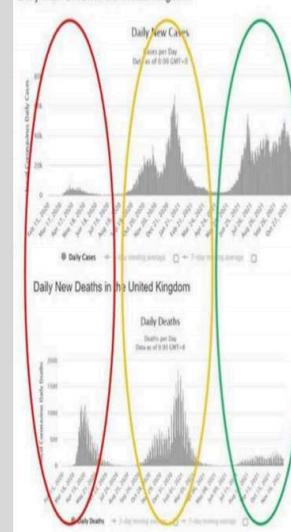
Share of people vaccinated against COVID-19, Dec 26, 2021

Our World In Data



Vaccine Efficacy & Inequality

Daily New Cases in the United Kingdom



1st Wave

No Lock Down and unvaccinated
Fatality rate 25%

2nd Wave

Hard Lock Down and unvaccinated
Fatality rate 2,5%

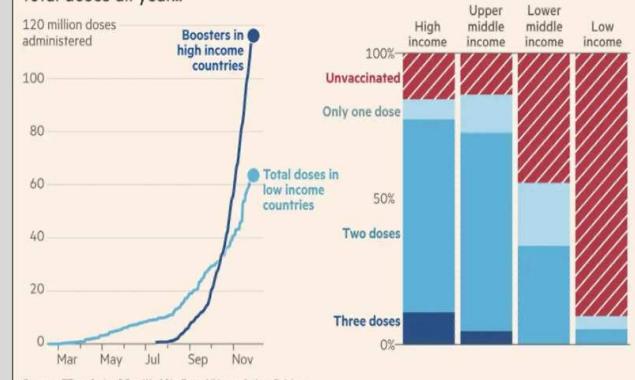
3rd Wave -No Lock down

more than 67% vaccinated
Fatality rate 0,5%

Rich countries have given out far more boosters in four months than poor countries have given total doses all year...

...exacerbating stark inequalities in vaccine coverage

Share of population aged 12+ by vaccination status and country's income level



COVID-19 Total Individuals Fully Vaccinated Summary as at 17:00 26 Dec 2021

(Excluding 12 - 17 Years)

Total Adult Population by Province [18 Years and Older] (1)			
39,798,201		Individuals Fully Vaccinated as a % of the Adult Population (3)	
Total Individuals Fully Vaccinated	15,503,044	38.95%	
Eastern Cape	1,786,084	43.57%	
Free State	910,526	47.56%	
Gauteng	3,956,541	54.98%	
KwaZulu-Natal	2,385,739	33.04%	
Limpopo	1,687,771	45.67%	
Mpumalanga	1,047,397	34.46%	
North West	1,073,661	39.86%	
Northern Cape	366,688	42.08%	
Western Cape	2,298,639	46.19%	
Total	39,798,201	15,503,044	38.95%
Age Group			
Population [18 Years & Older]			
18-34 Years	17,798,511	4,422,276	24.86%
35-49 Years	11,686,337	5,120,424	43.83%
50-59 Years	4,817,271	2,711,415	56.29%
60+ Years	5,505,482	3,245,756	58.95%
Unidentified	0	3,171	0.00%
Total	39,798,201	15,503,044	38.95%

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A smile is the best vaccine....



This might help to improve vaccine rates...



Everyday Covid Check:
At 5PM open a bottle of wine, smell it, then pour it in a glass. If you can smell it and taste iT, you are good. Celebrate by finishing the bottle. You are welcome!

