

HarryG COVID-19 StatsPack

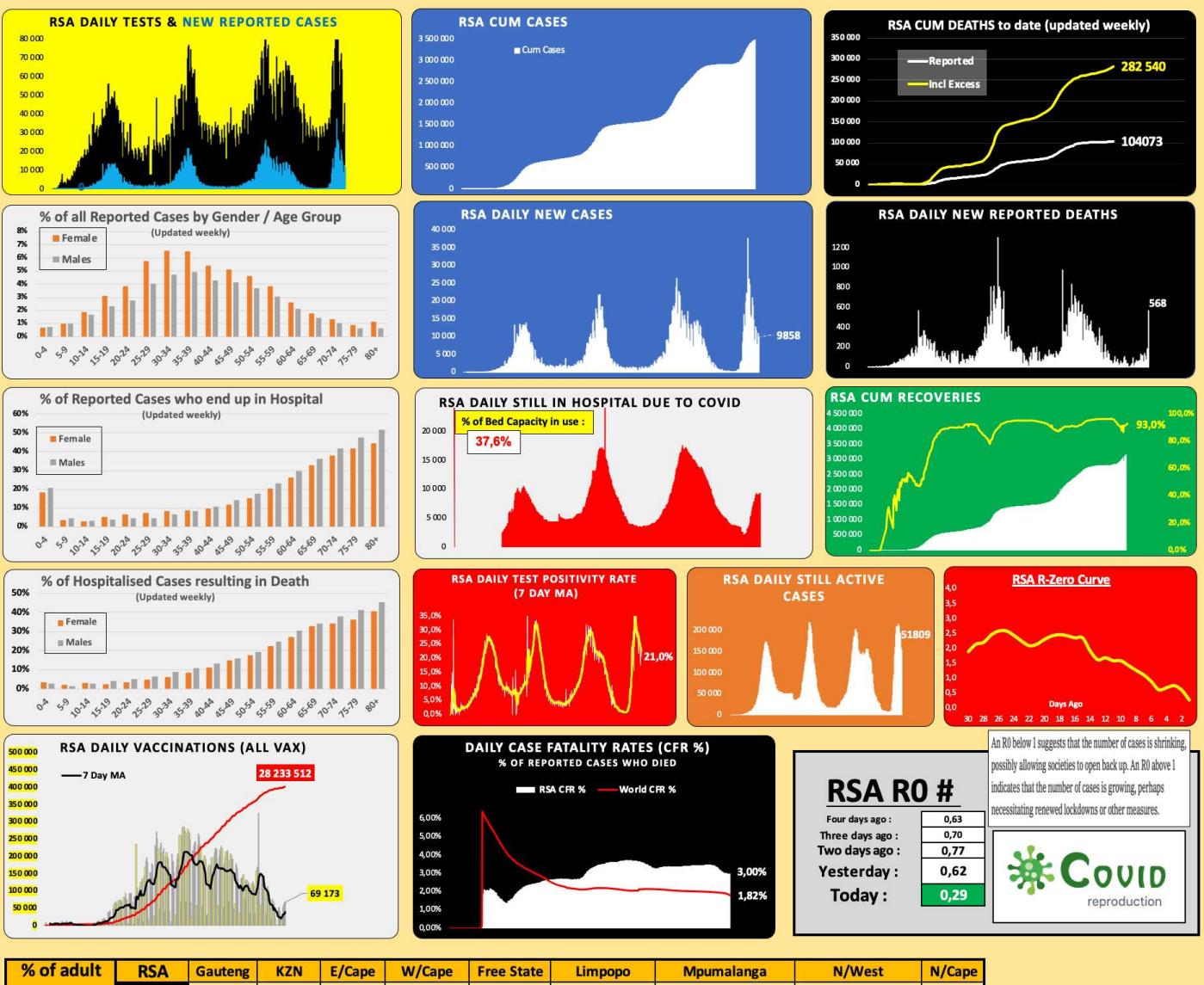
Deteriorating

Improving

Against
Previous Day

Page 1

Cum Cases		Daily Cases		RSA COVID-19 DASHBOARD as at: 07-Jan-22	Daily Still in Hospital	Case Fatality Rates (CFR):		Vaccinations:	Time to achieve Govt Target of 41m vaccs	
3 504 554	9 858	Reported Cases	Hospital Cases			Daily Avg	89 065		1,24	Yrs
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP			9603	3,00%	20,88%			
151 809	58 528	1758			% of RSA PoP who have died to date : Reported Deaths Incl Excess Deaths					
Deaths Ages	Deaths Avg	Deaths Median	Deaths Min Age		0,18%	0,47%				
Female : 62,3	Male : 59,1	Female : 0,2	Male : 108		% of RSA PoP who have died to date PROJECTED to end Mch 2022: Reported Deaths Incl Excess Deaths					
22-Dec					0,20%	0,50%				
							Cum Tests		Daily Tests	
							21 441 211	46 948		
							Daily Test Positivity Rate:		21,0%	



% of adult PoP FULLY VAXXED:	RSA	Gauteng	KZN	E/Cape	W/Cape	Free State	Limpopo	Mpumalanga	N/West	N/Cape	(Updated weekly)
Progress Ranking by Province :	7	9	4	2	1	3	8	6	5		

Data as at: 06 January 2022

Unless otherwise indicated

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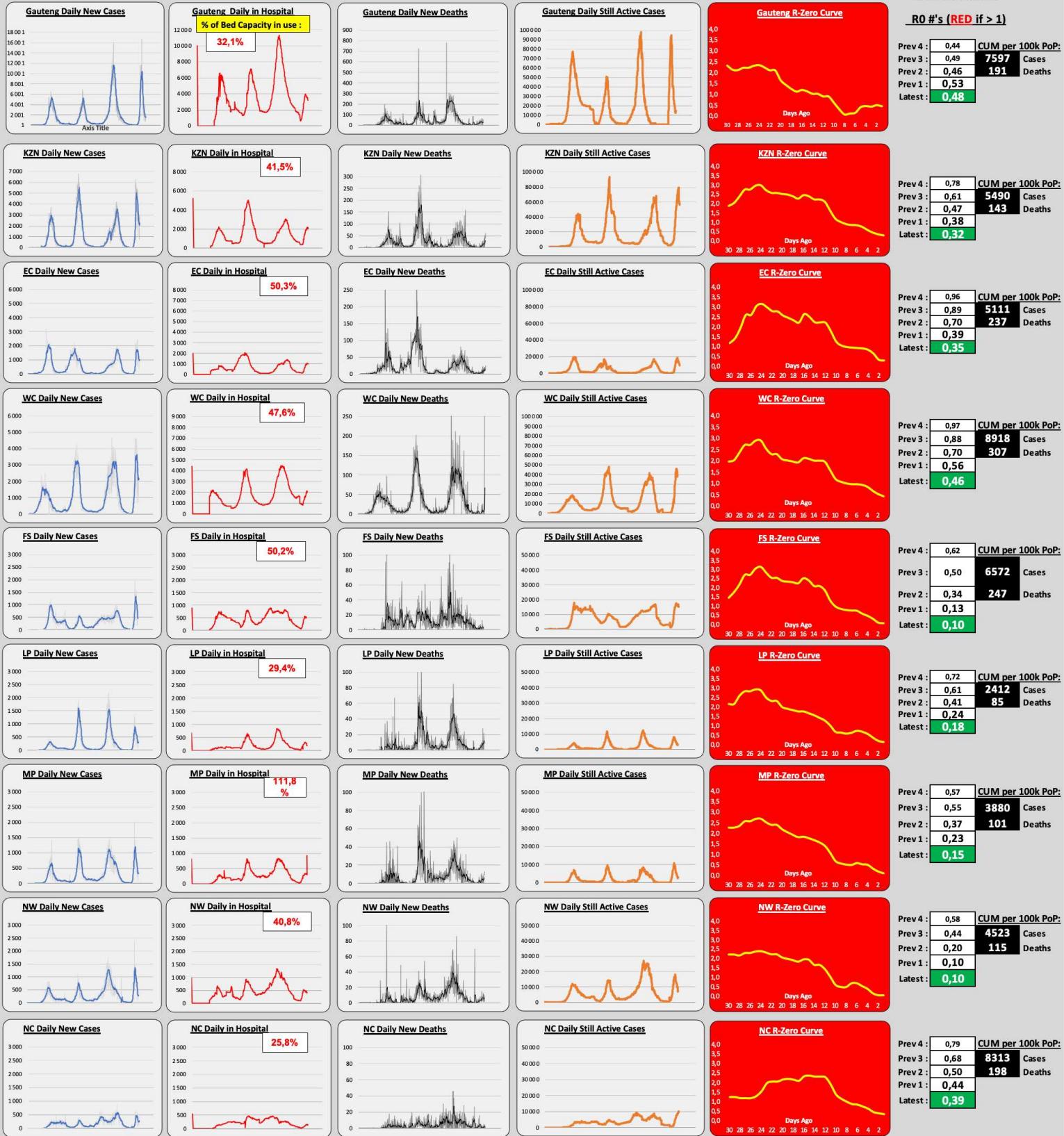
An R0 below 1 suggests that the number of cases is shrinking, possibly allowing societies to open back up. An R0 above 1 indicates that the number of cases is growing, perhaps necessitating renewed lockdowns or other measures.

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

Latest Provincial

RO #'s (RED if > 1)

Prev 4 :	0,44	CUM per 100k PoP:
Prev 3 :	0,49	7597 Cases
Prev 2 :	0,46	191 Deaths
Prev 1 :	0,53	
Latest :	0,48	



Data as at: **06 January 2022**

Unless otherwise indicated

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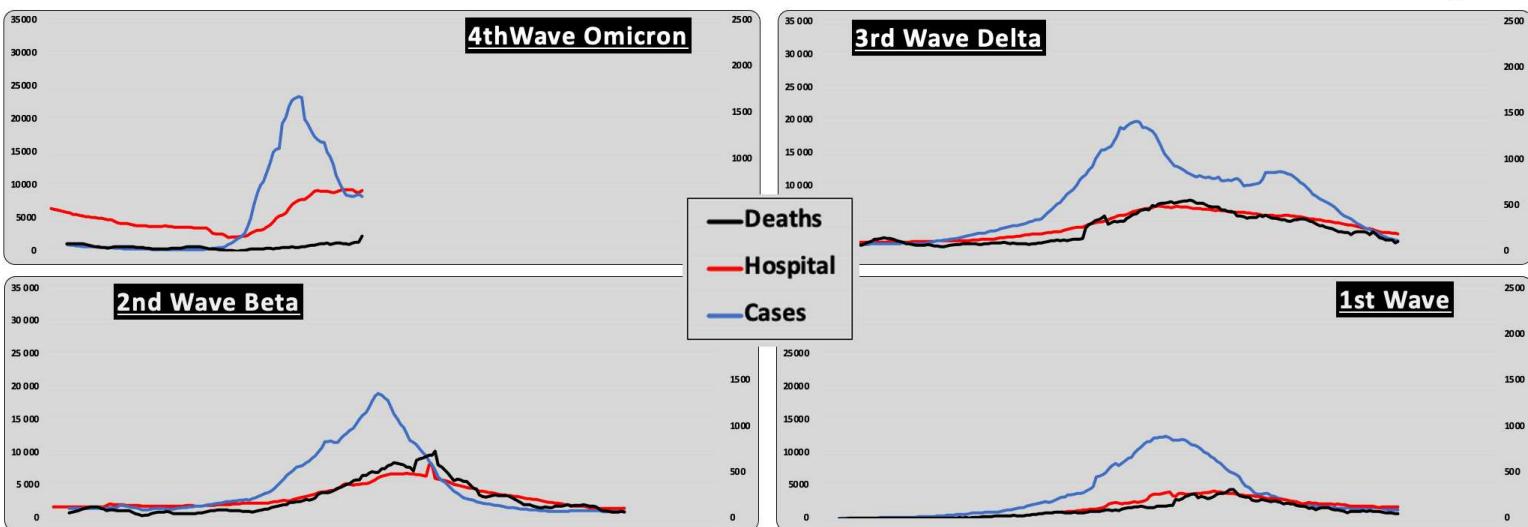
07 January 2022

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)

Page 2



Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

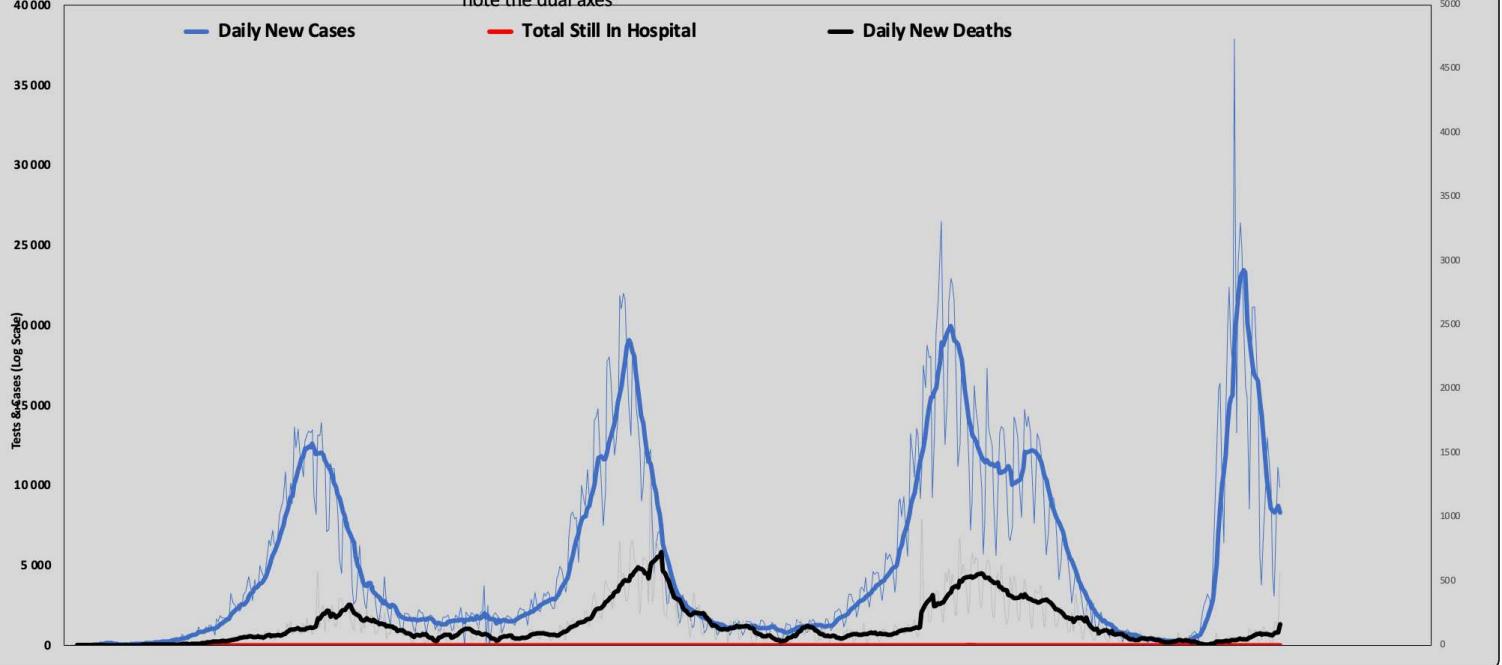
Conclusion | Omicron Insights

- Apparent 29% lower severity based on early data (in high seroprevalence population) and supported by anecdotal clinical feedback
- Vaccination remains single most important intervention to mitigate against severe Covid-19, with double dose of Pfizer-BioNTech vaccine showing 70% effectiveness in reducing risk of hospitalisation
- Vaccine effectiveness against infection is materially reduced, with high numbers of breakthrough infections in vaccinated individuals
- The protective effect of prior infection has reduced over time, and Omicron has eroded that protective effect further, with high re-infection rates in previously Covid-19 positive individuals
- Notwithstanding the lower severity, health systems could still be over-run by the sheer volume of cases, considering Omicron's rapid community spread
- Children experiencing very low test positivity rate relative to adults, and low Covid-19 admissions in absolute terms, but appear to be at 20% greater risk of hospitalisation during Omicron wave relative to D614G wave

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

note the dual axes.

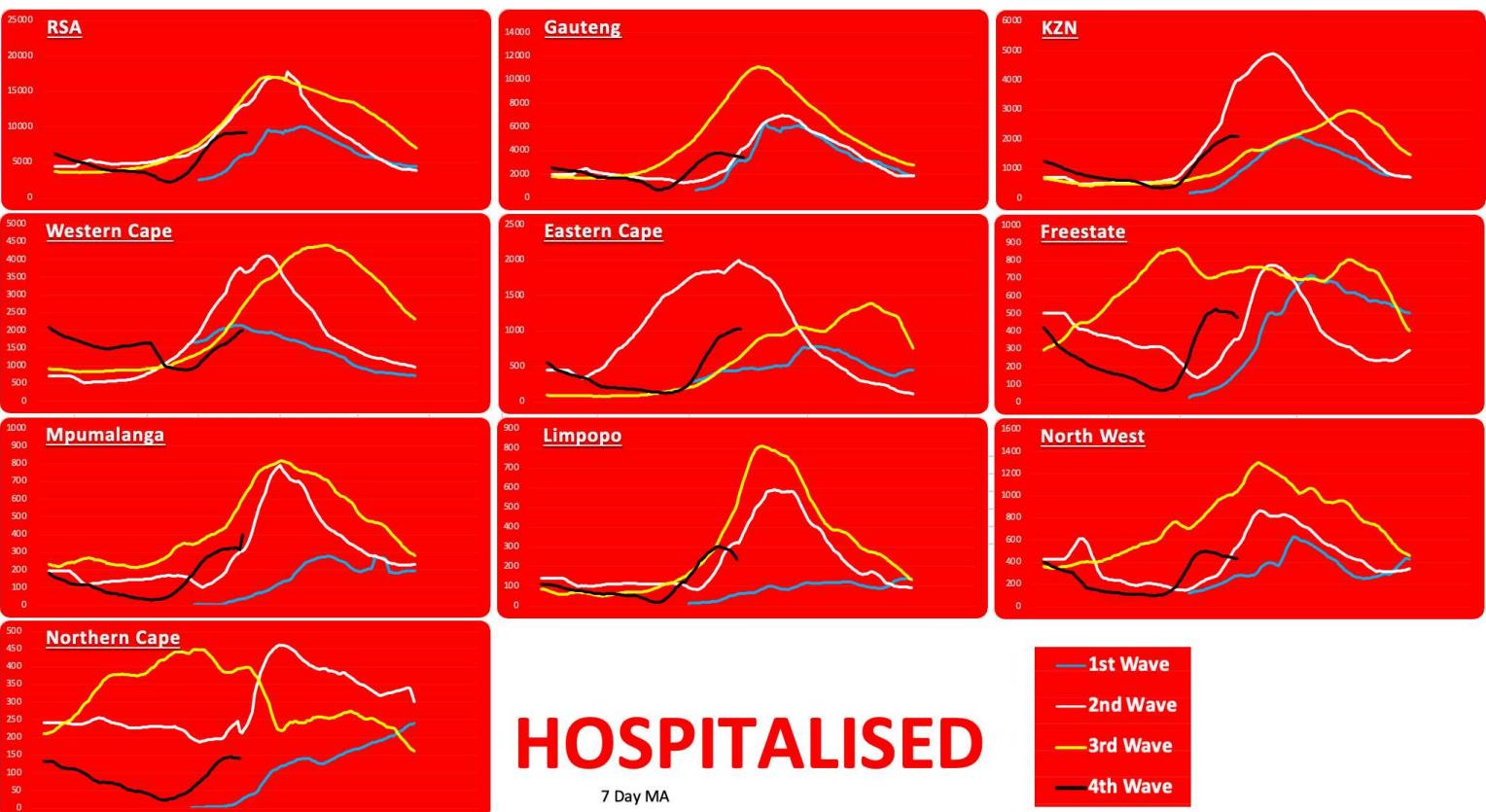
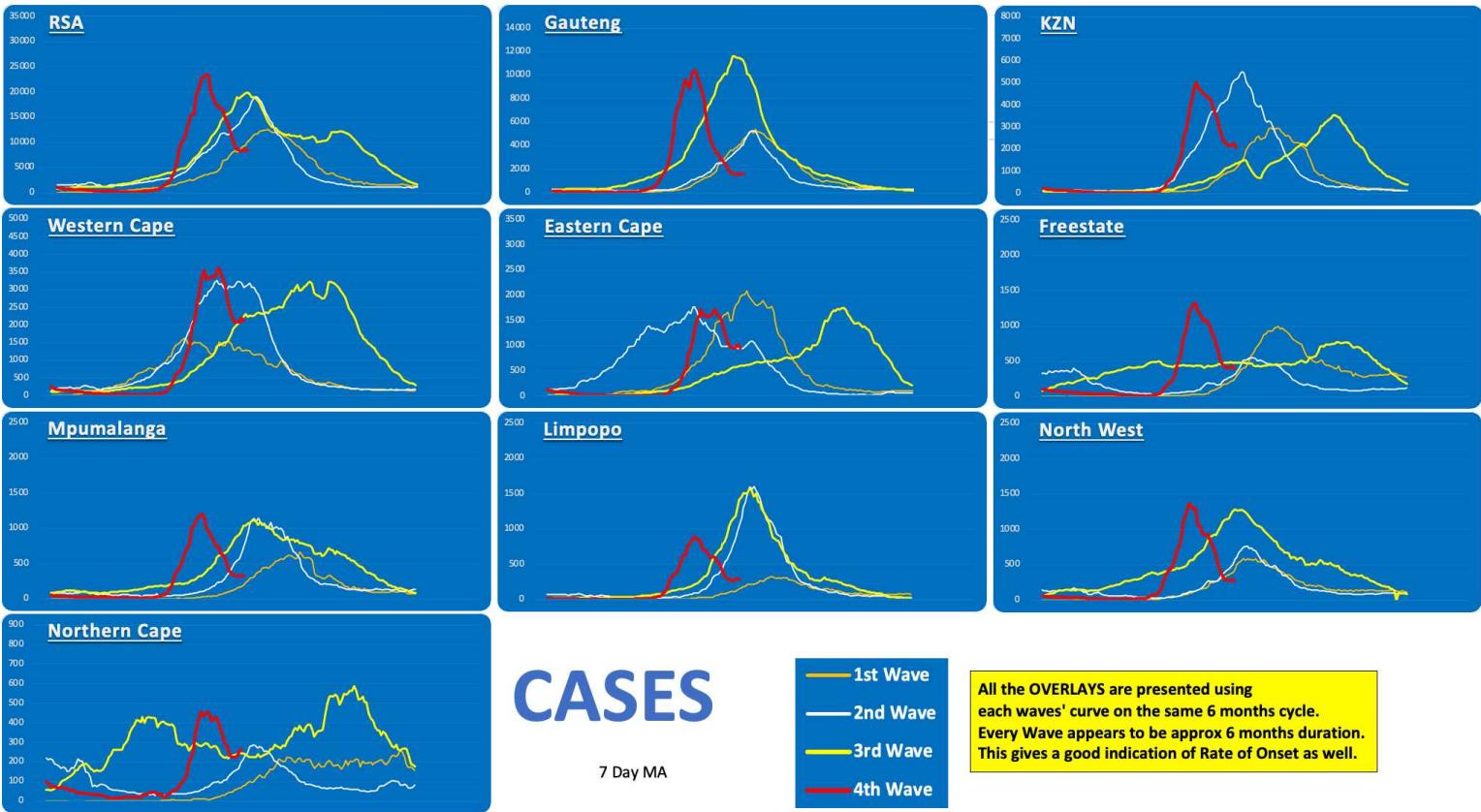
— Daily New Cases — Total Still In Hospital — Daily New Deaths



Level 5	Level 4	L3	Level 3-	L2	Level 1	Level 1-	Level 3-	Level 1+	L 2	L 3	Level 4	Level 3	L 2	Level 1	Level 1-
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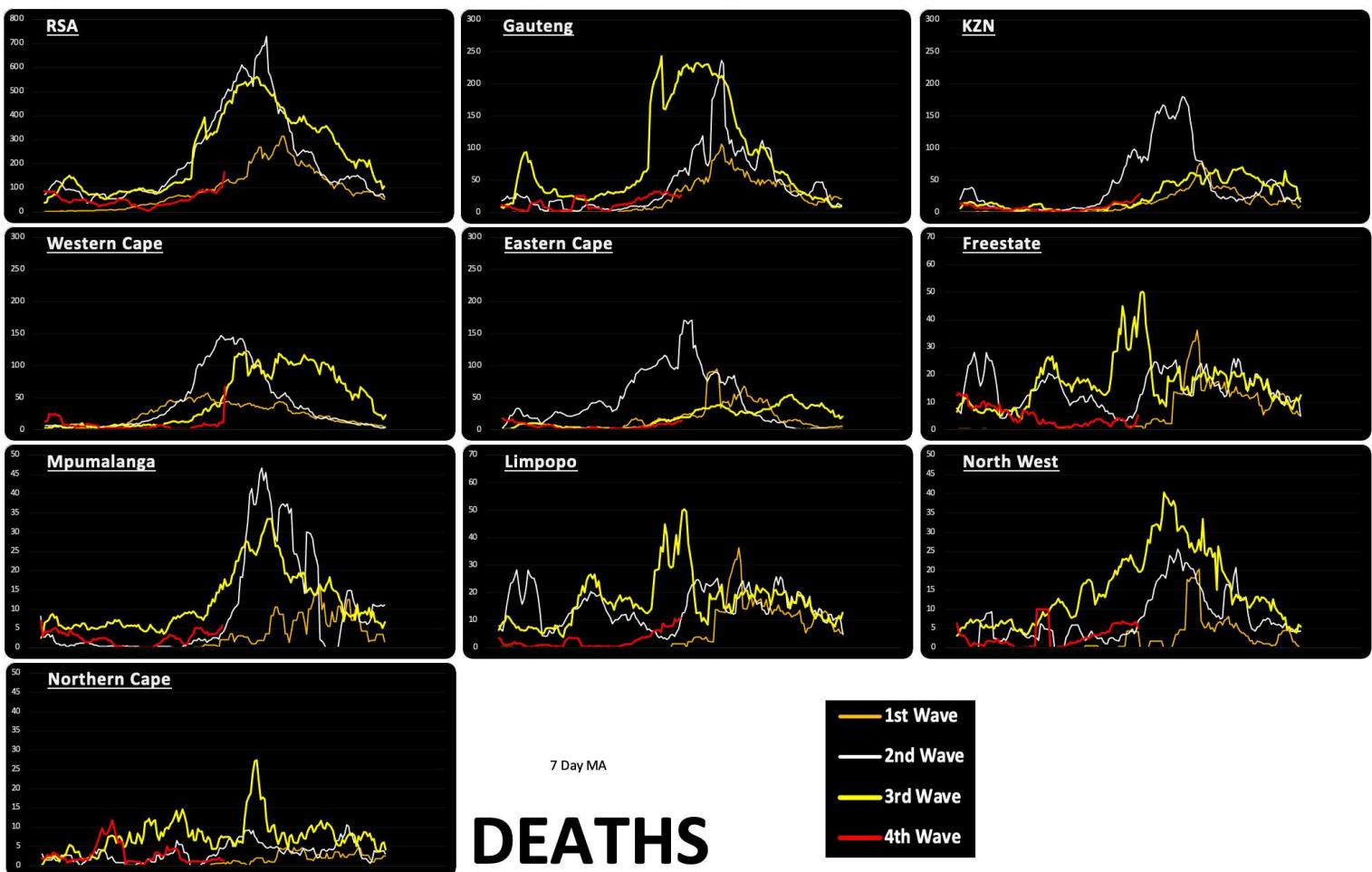
Data as at: 06 January 2022 Unless otherwise indicated

bdc - 07 January 2022

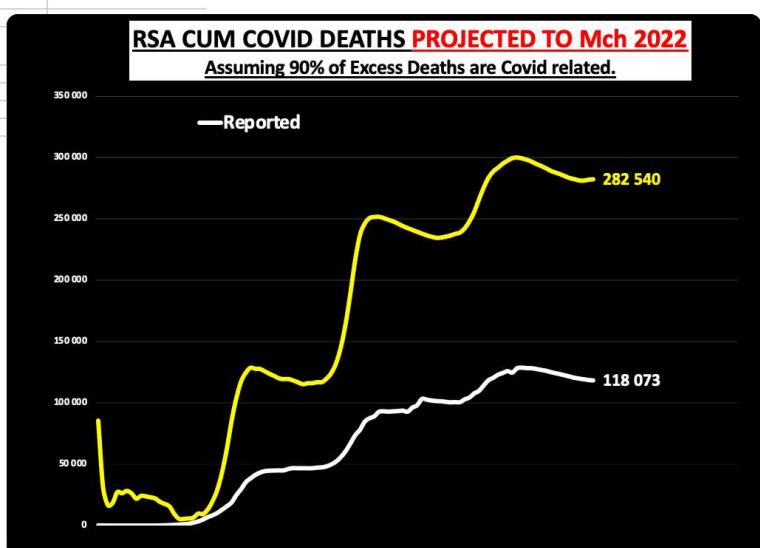
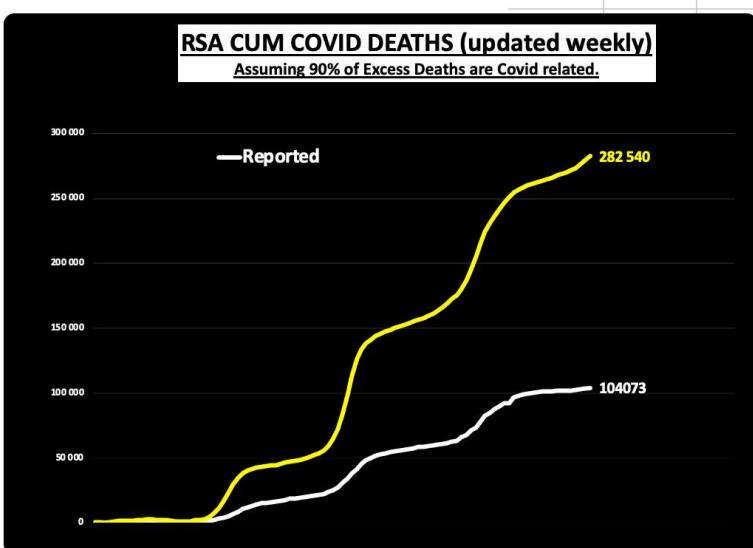


1st / 2nd / 3rd & 4th WAVE OVERLAYS (DAILY DEATHS)

Page 2.2

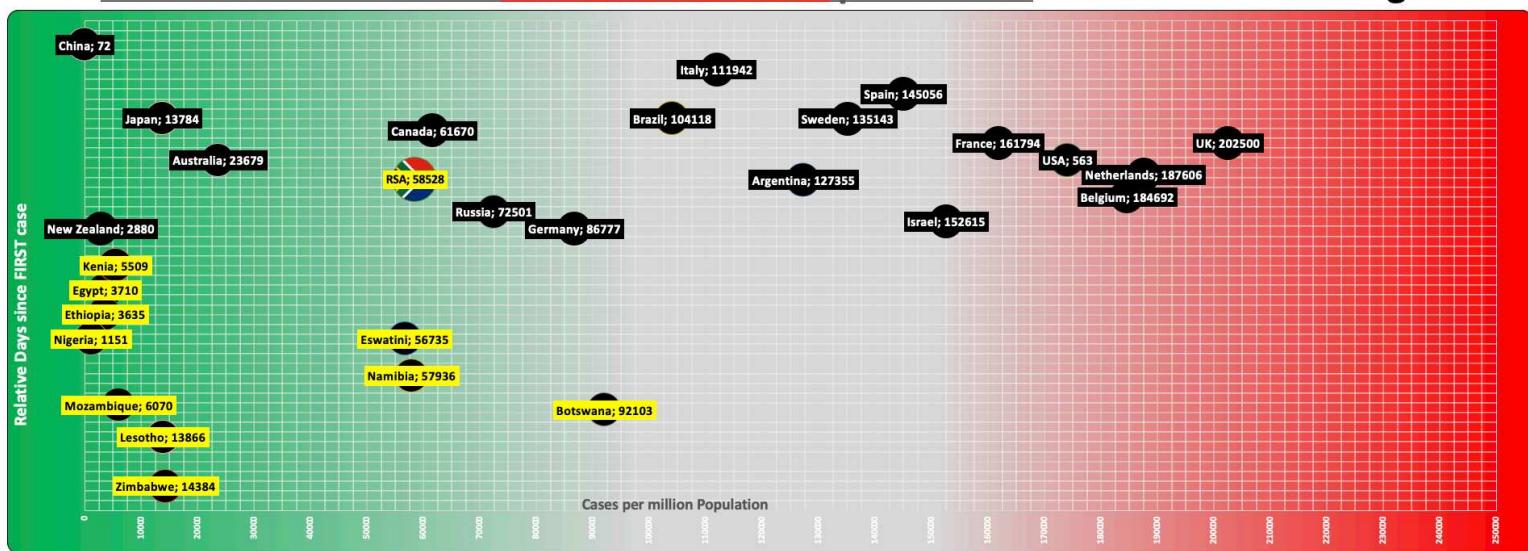


RSA Cum & Projected Deaths (Reported & Incl Excess)

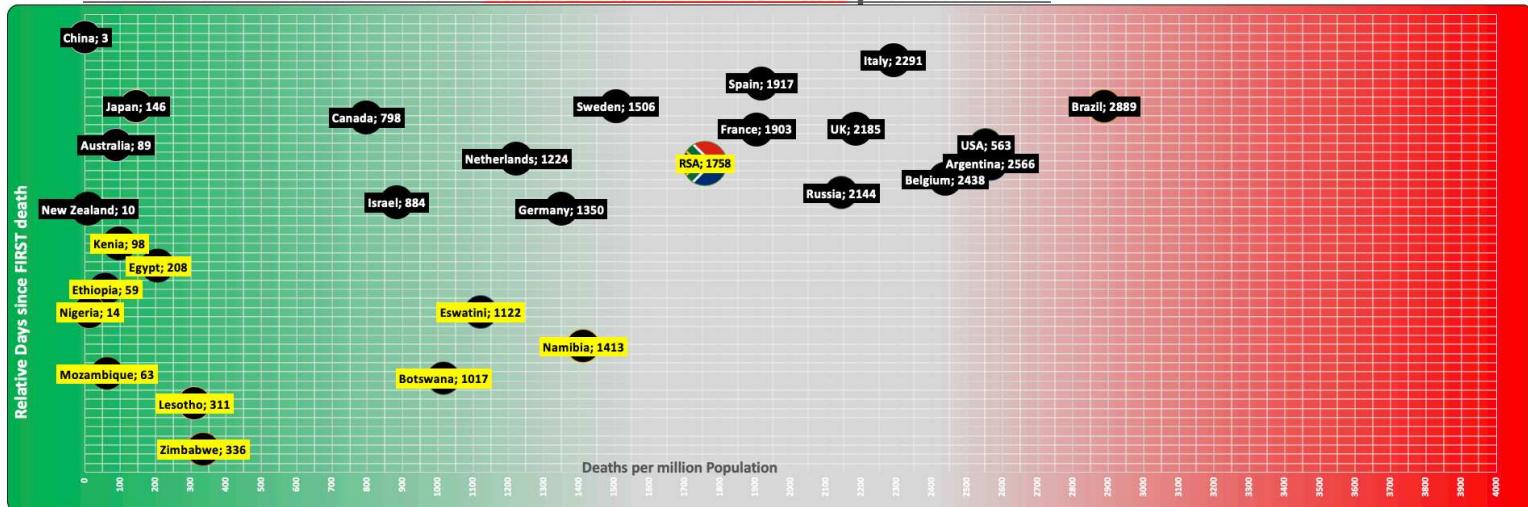


Selected Countries' Cum **REPORTED CASES** per mill PoP

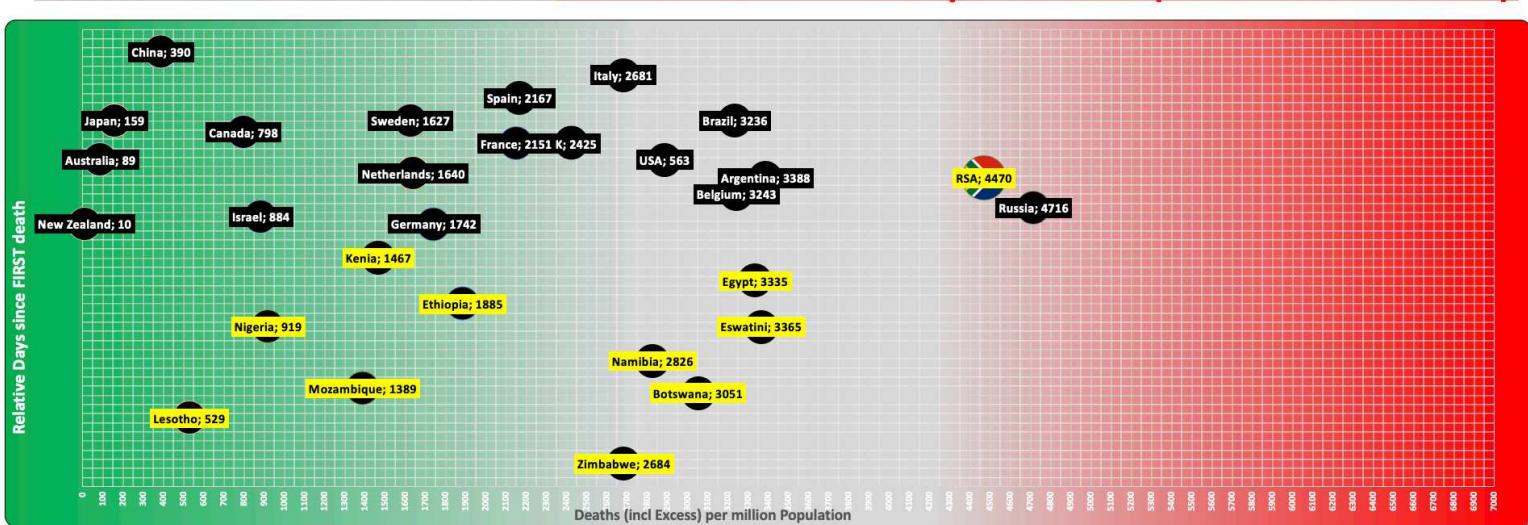
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Selected Countries' Cum **REPORTED DEATHS** per mill PoP



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



Data as at: 06 January 2022

* 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

2 500 000

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

2 000 000

1 500 000

1 000 000

500 000

0



World

Europe incl UK

North America

Asia

South America

Africa

20 000

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

18 000

16 000

14 000

12 000

10 000

8 000

6 000

0



World

Europe incl UK

North America

Asia

South America

Africa

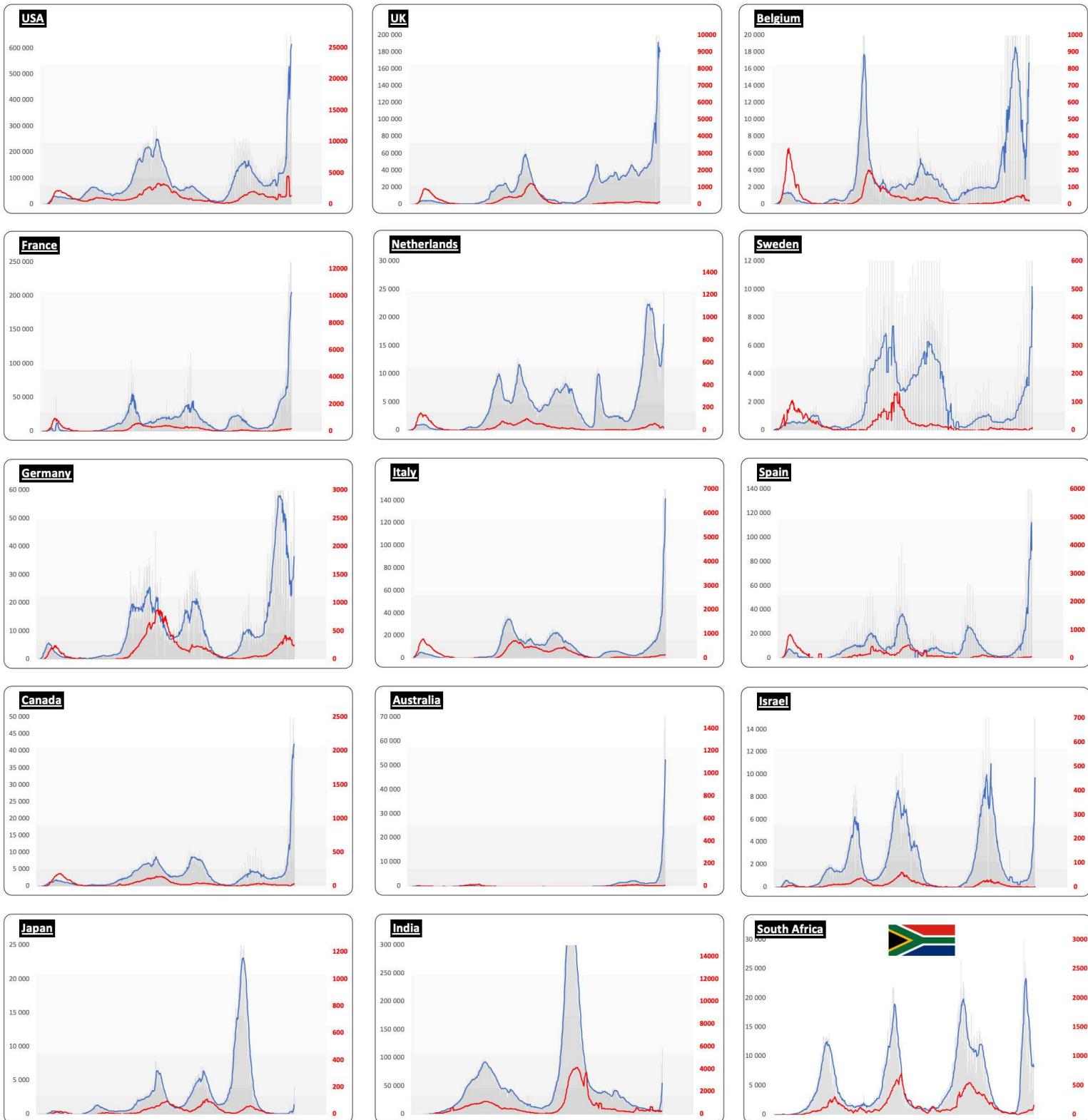
Data as at: 07 January 2022

Unless otherwise indicated

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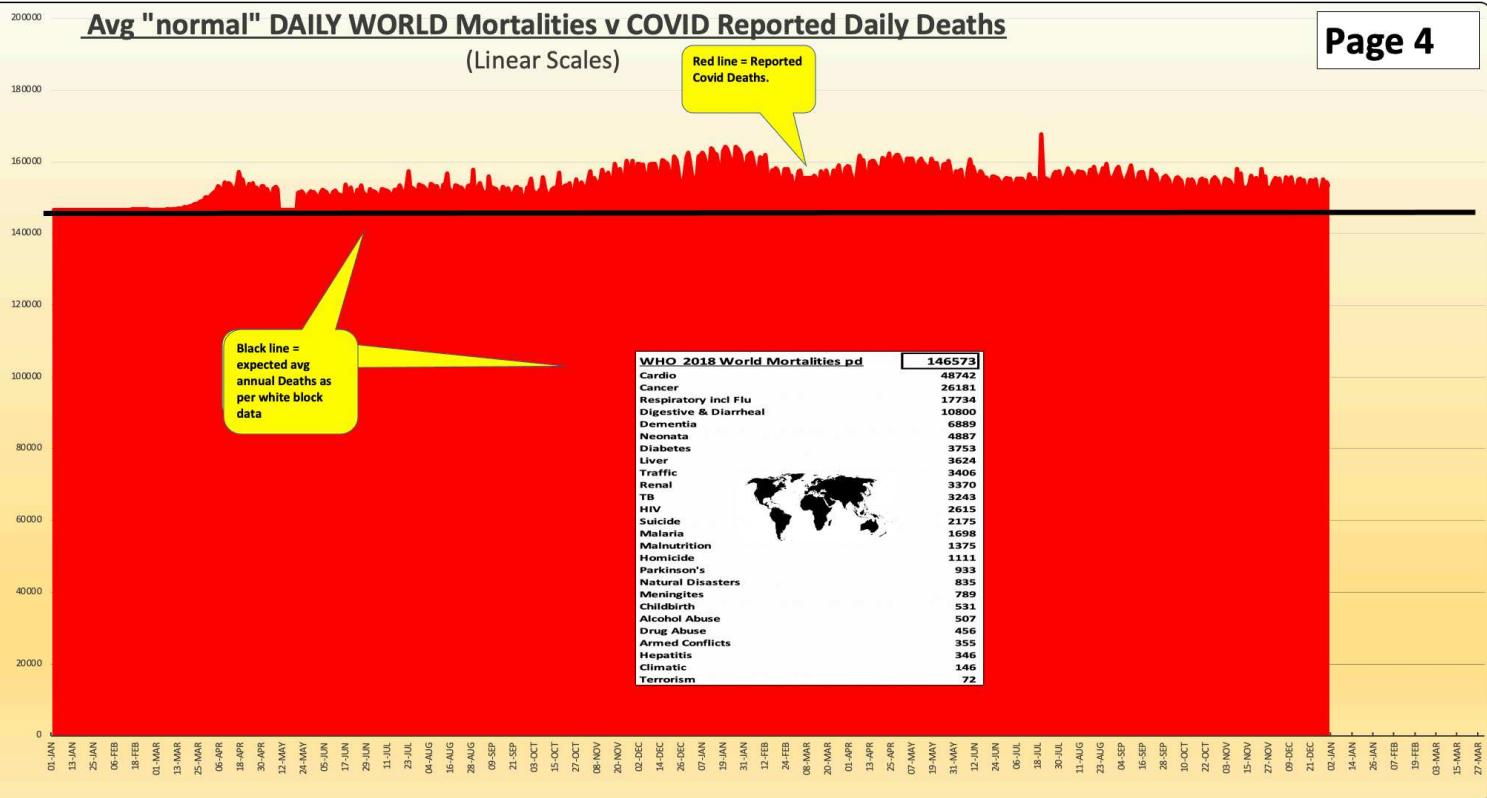
Selected Countries' Daily Cases & Daily Deaths as Reported (7 Day MA)

Page 3.1



Data as at: 06 January 2022 Unless otherwise indicated

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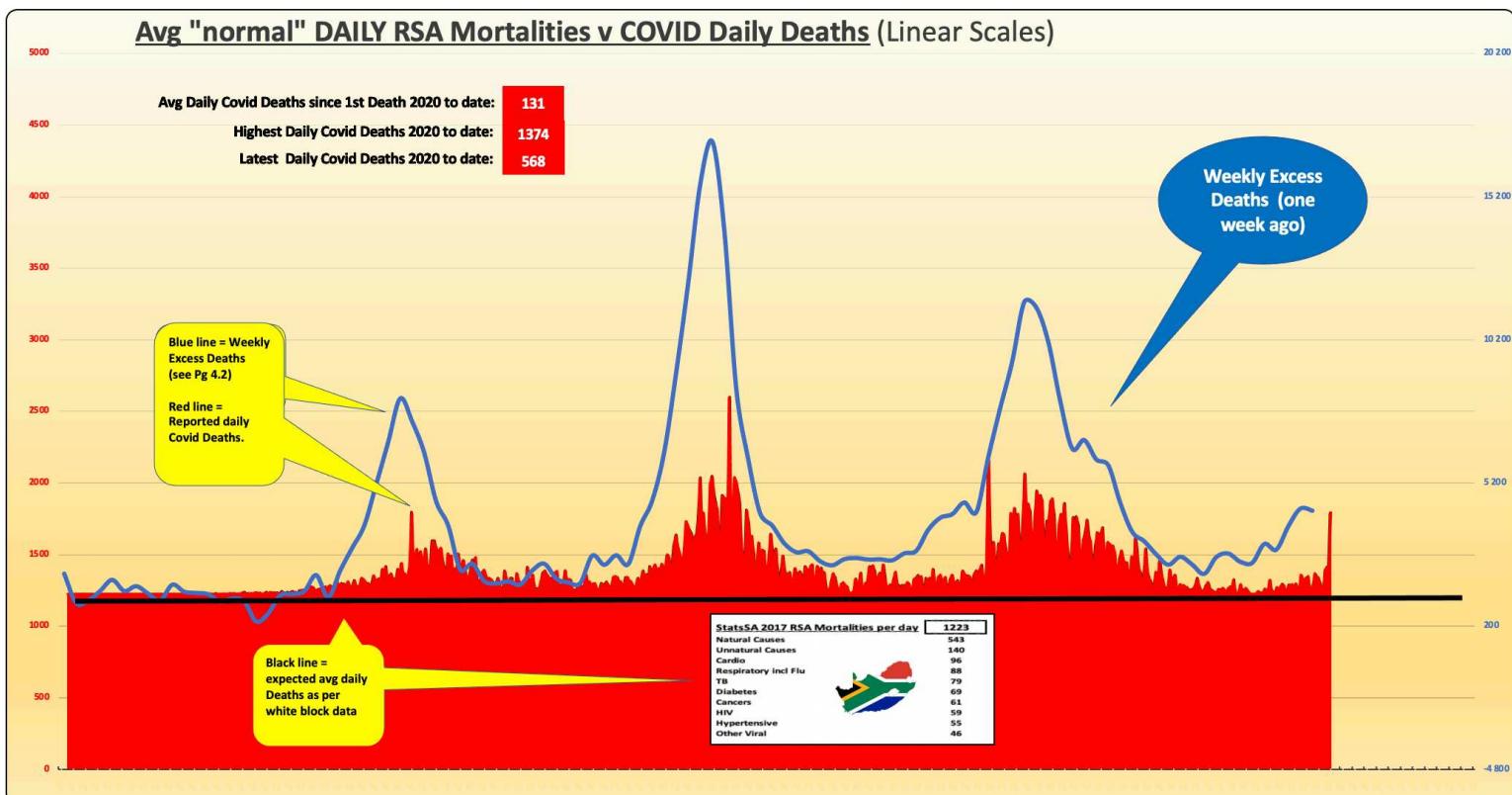


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

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.

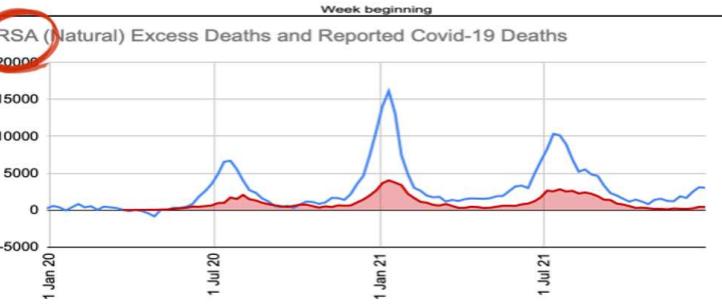
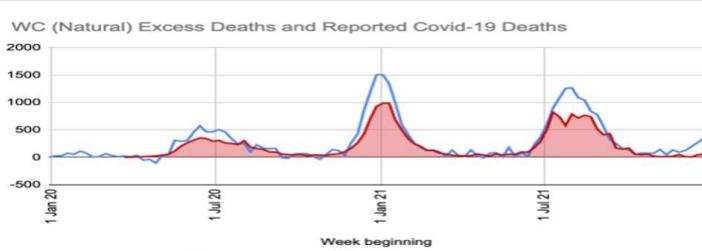
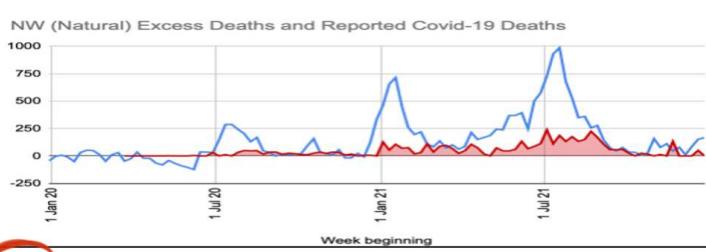
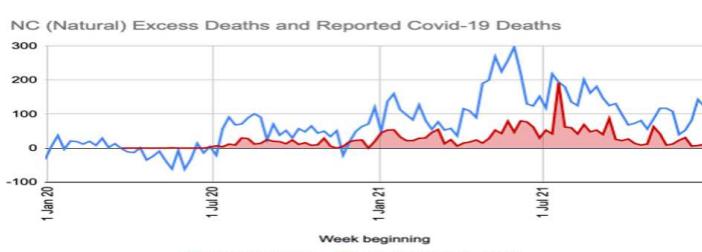
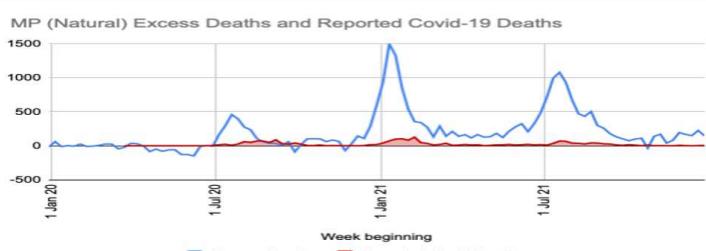
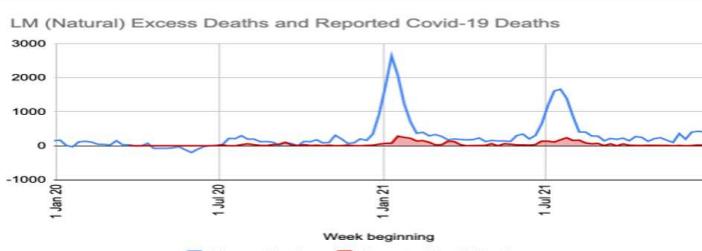
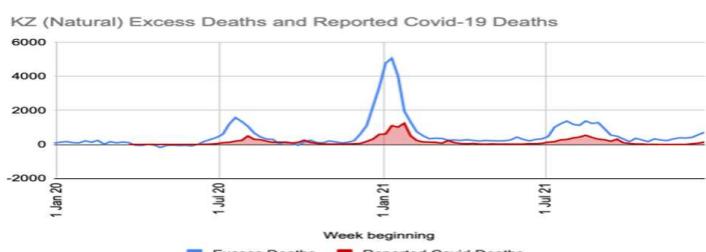
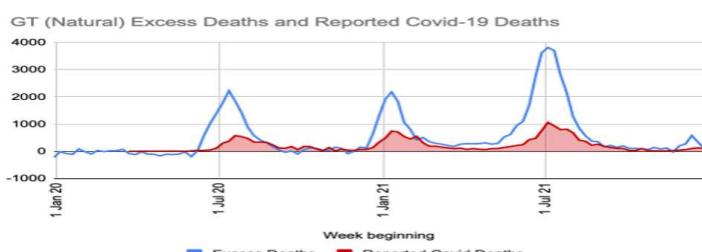
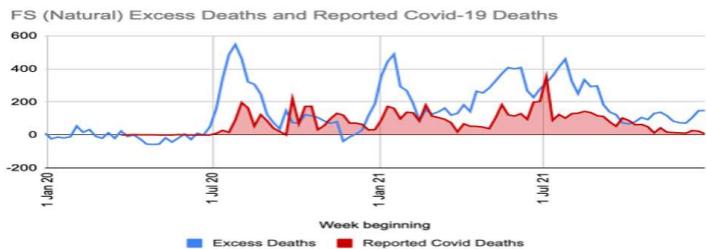
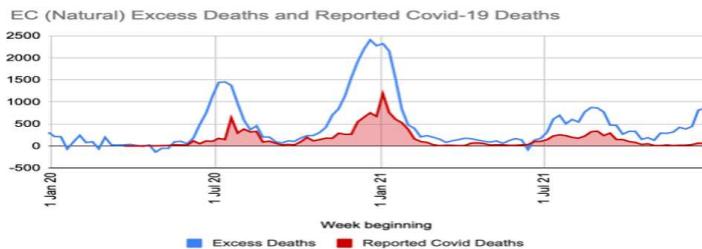


RSA Excess Deaths as per SA Medical Research Council

As at: 01 January 2022

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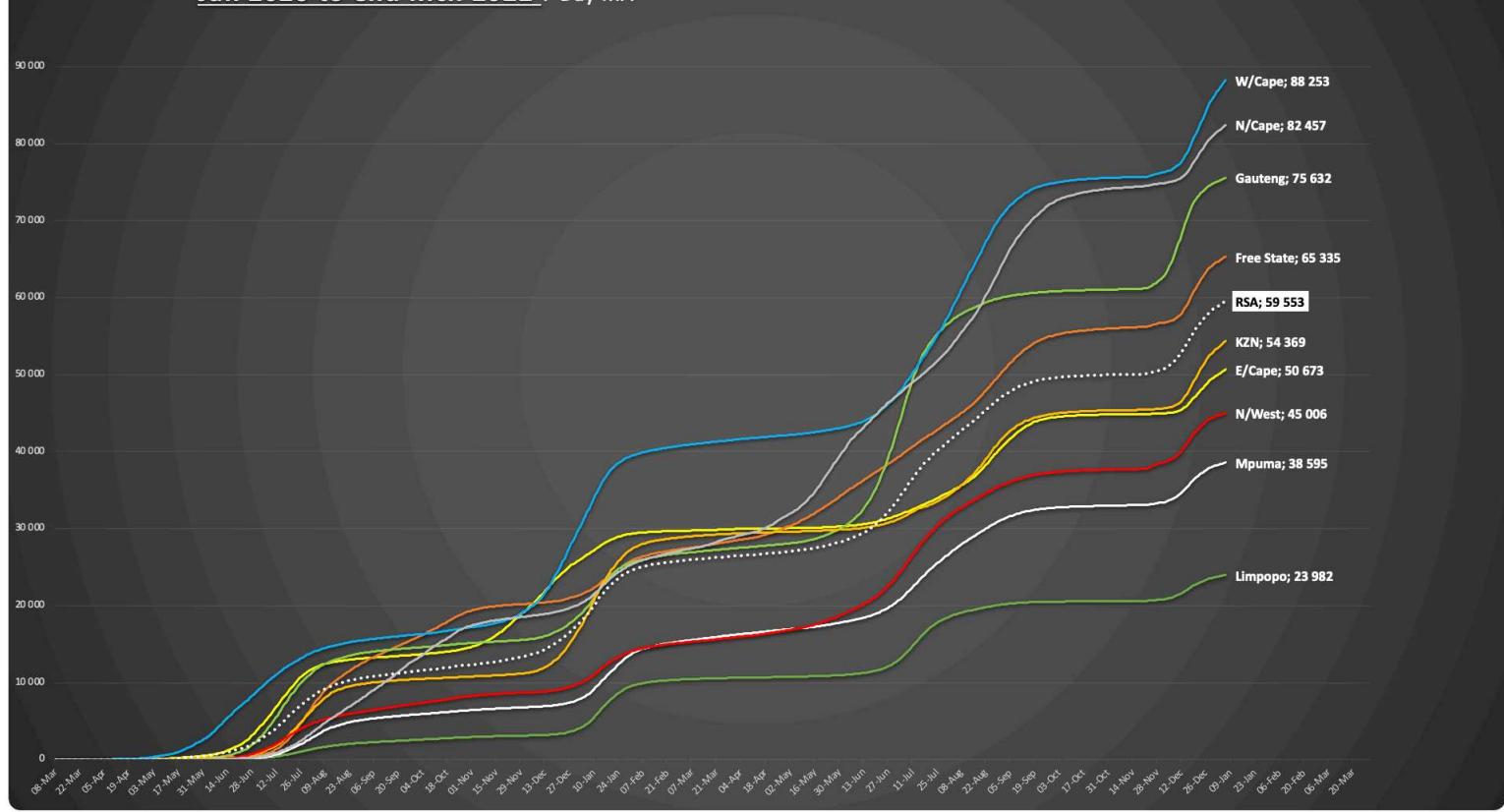
Provinces



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).

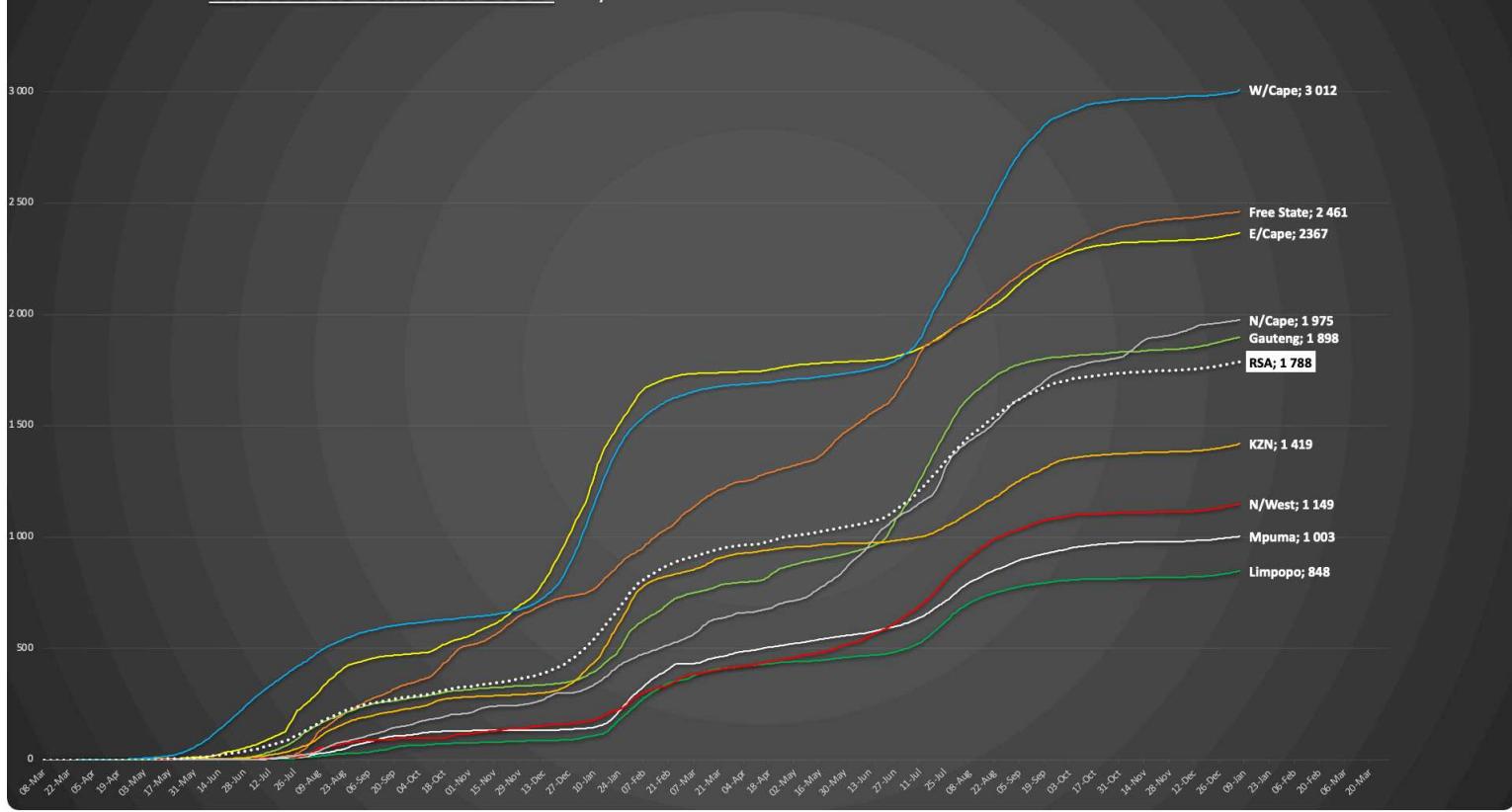
CUM reported Covid CASES per mill PoP

Jan 2020 to end Mch 2022 7 Day MA

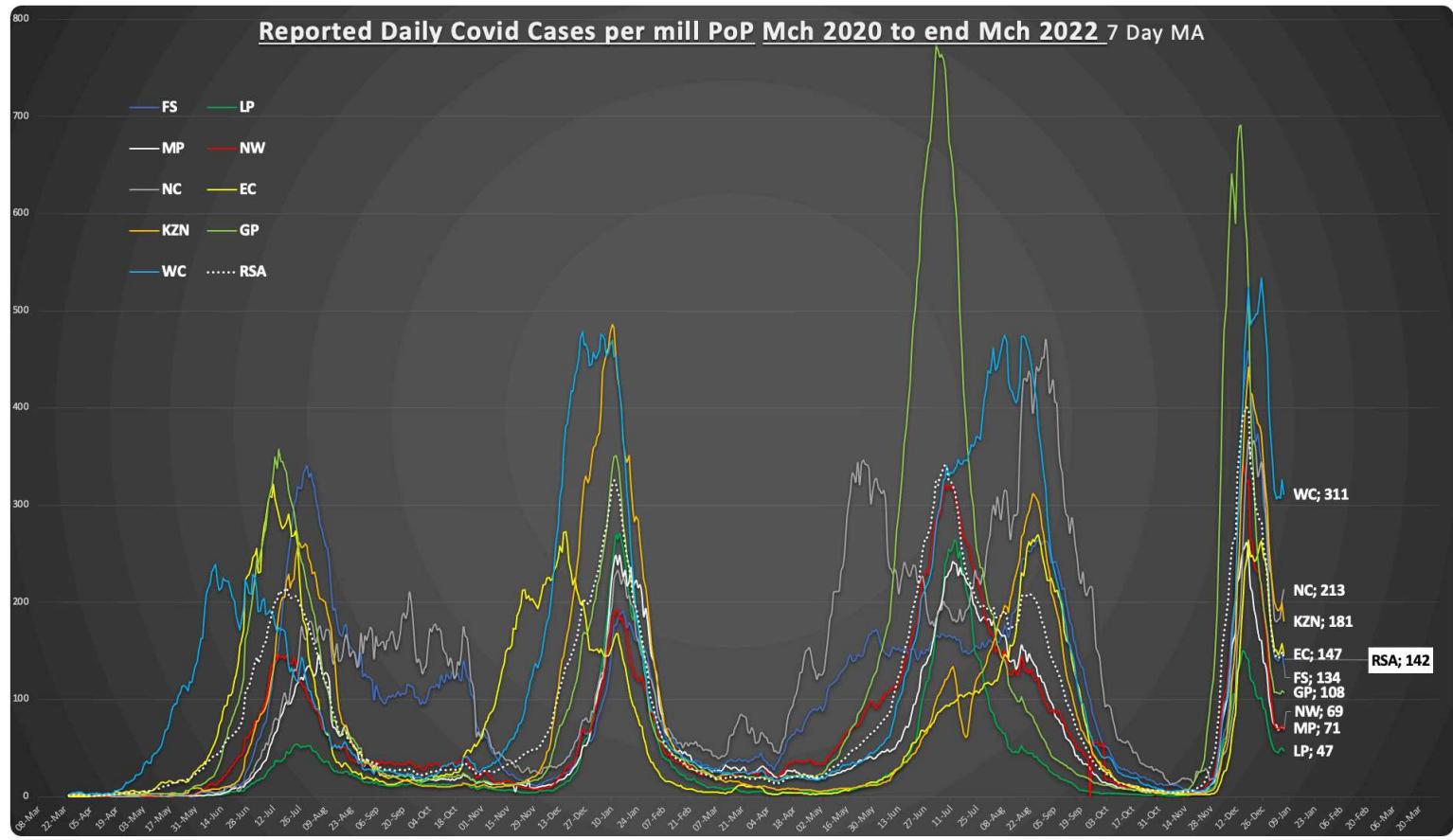


CUM reported Covid DEATHS per mill PoP

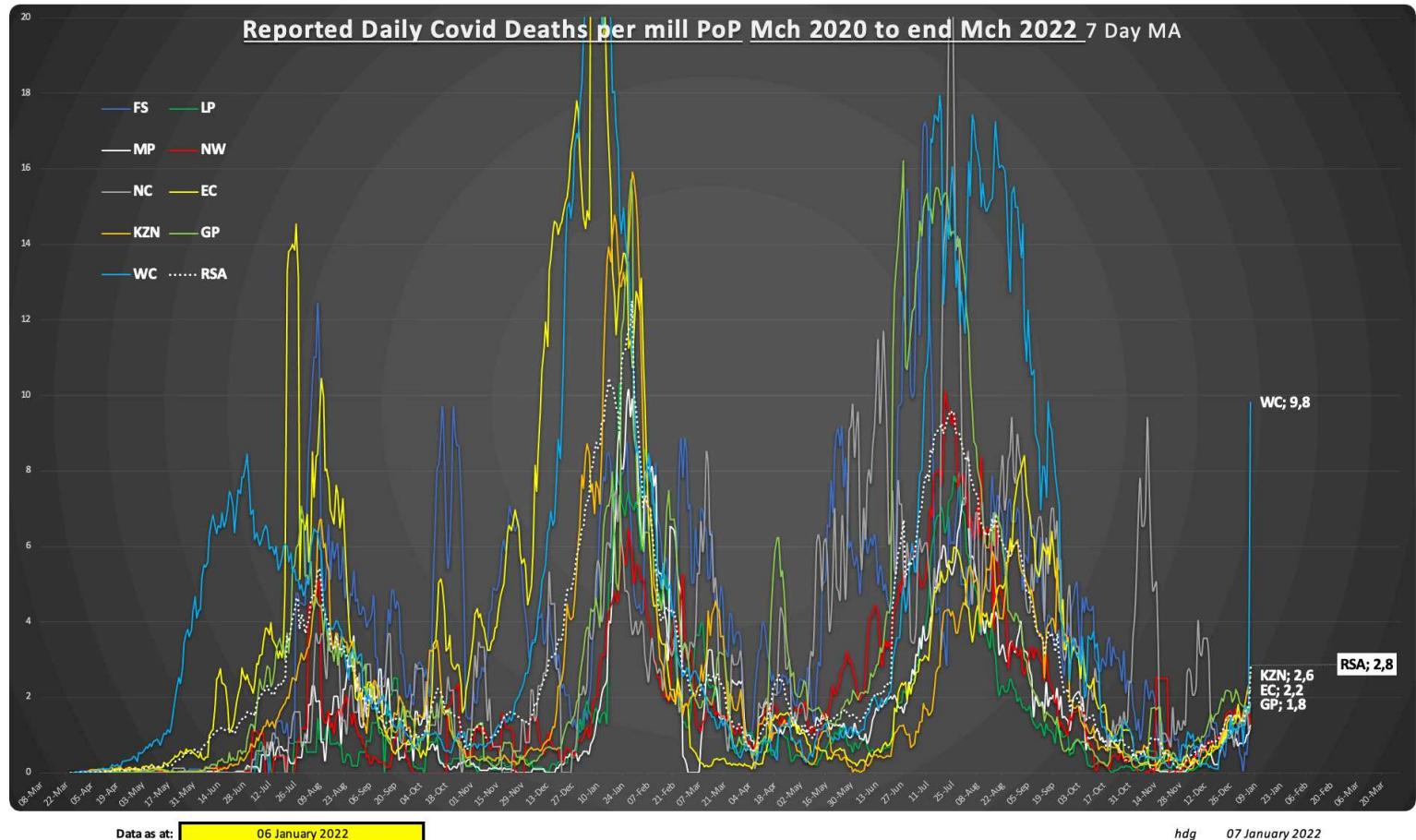
Jan 2020 to end Mch 2022 7 Day MA



Reported Daily Covid Cases per mill PoP Mch 2020 to end Mch 2022 7 Day MA



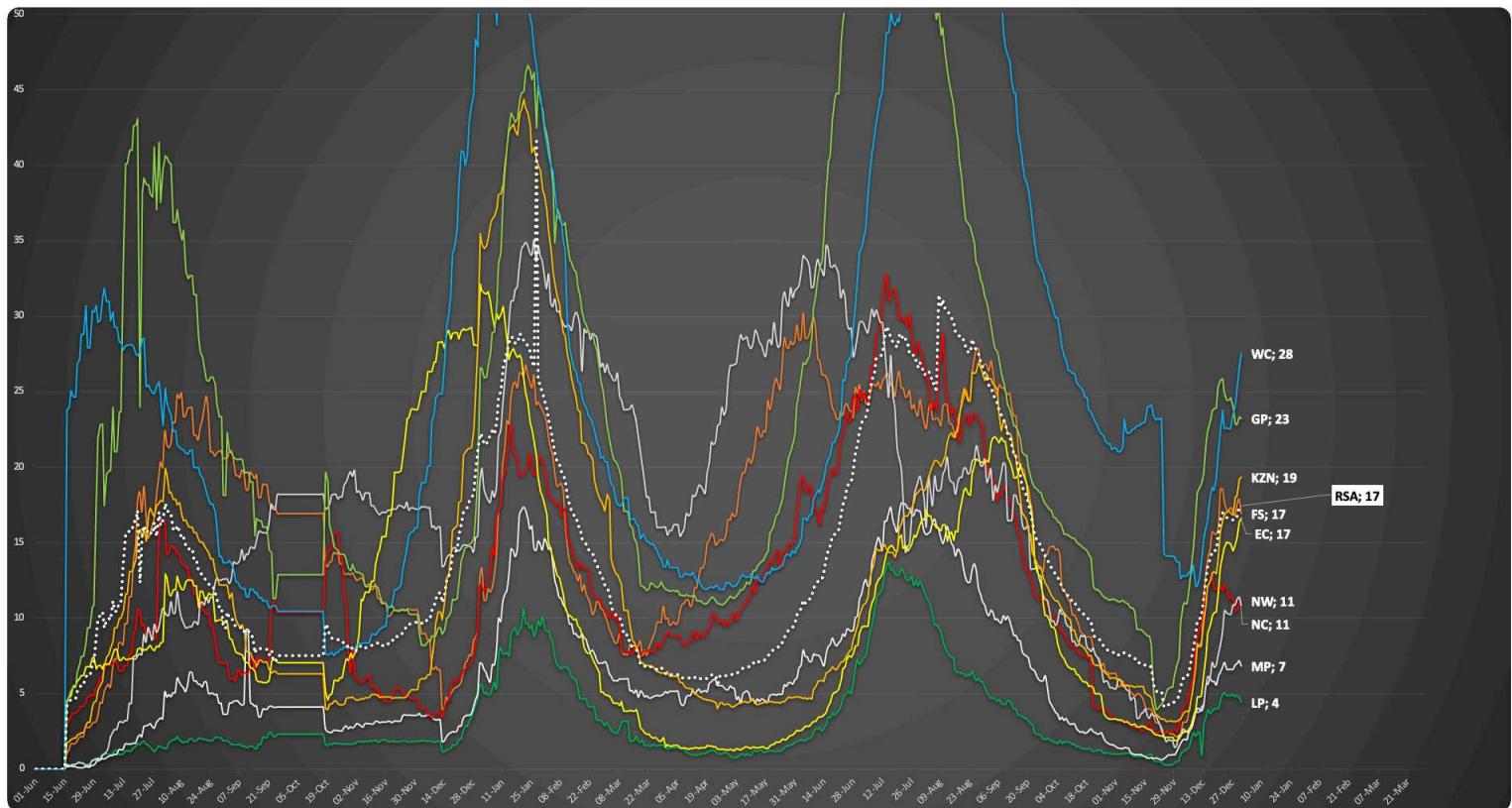
Reported Daily Covid Deaths per mill PoP Mch 2020 to end Mch 2022 7 Day MA



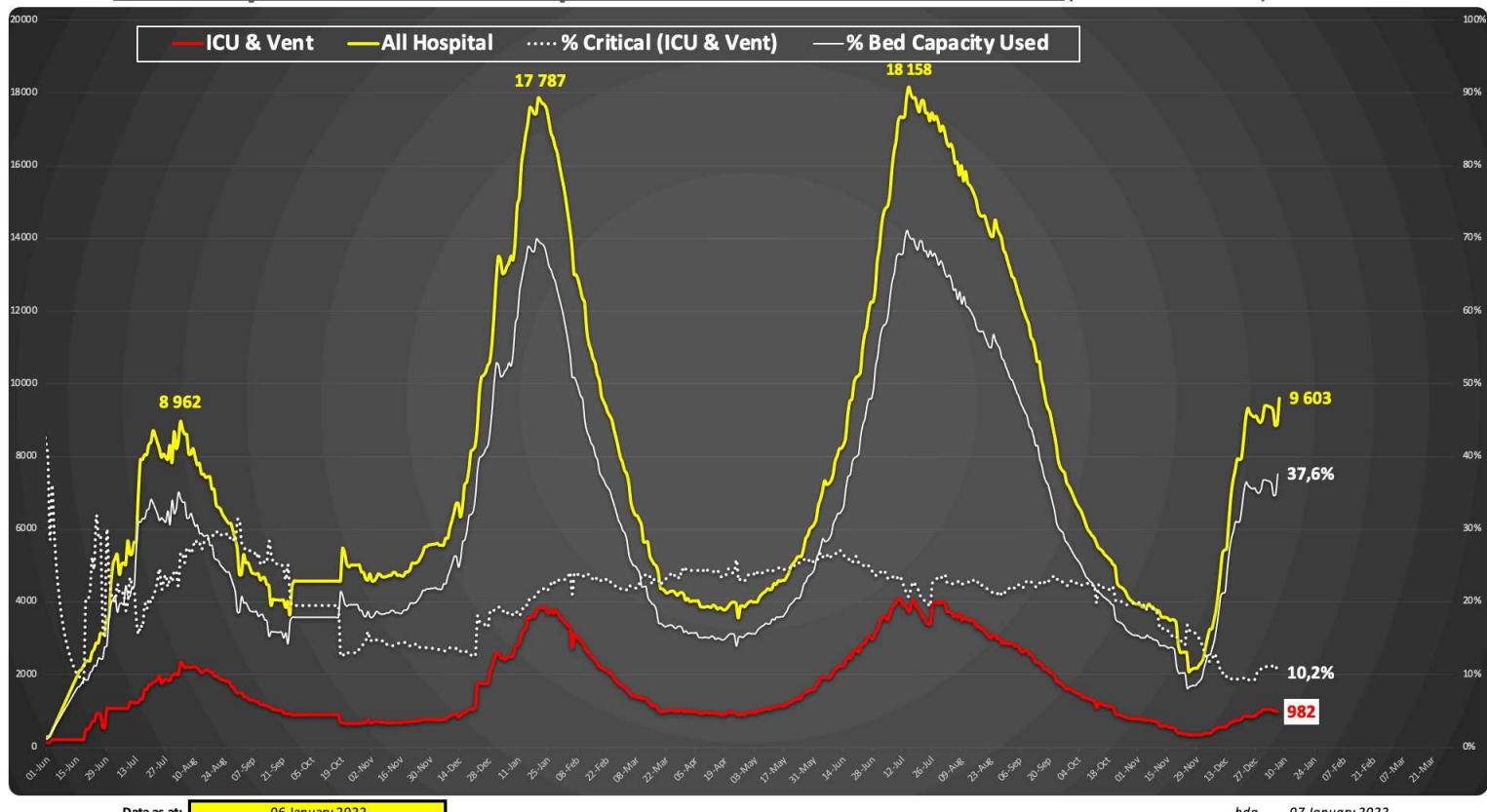
Data as at: 06 January 2022

hdg 07 January 2022

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

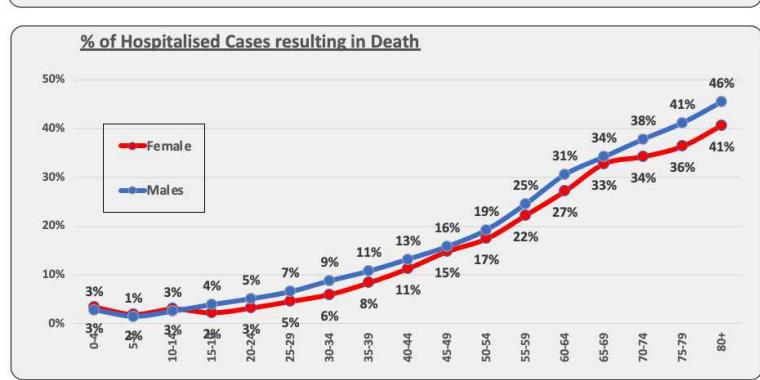
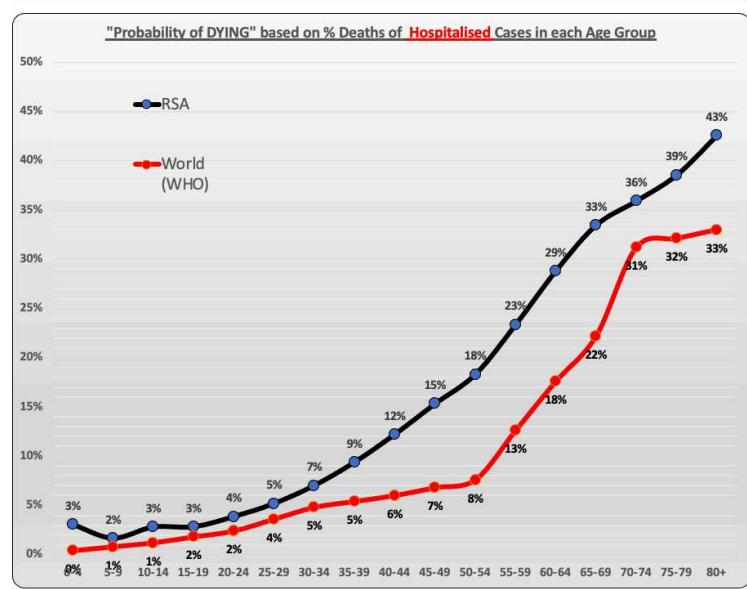
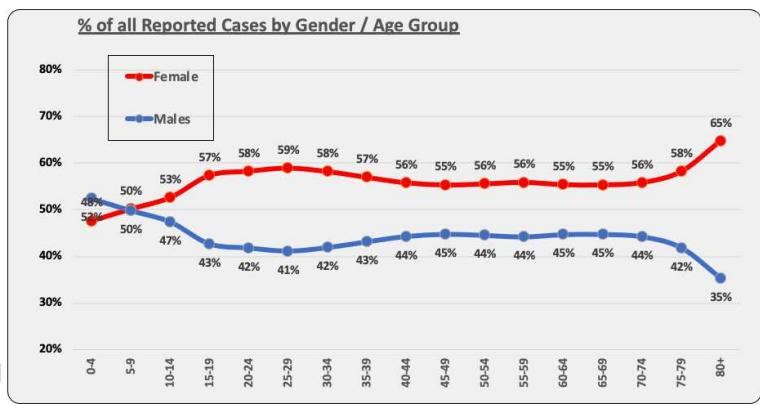
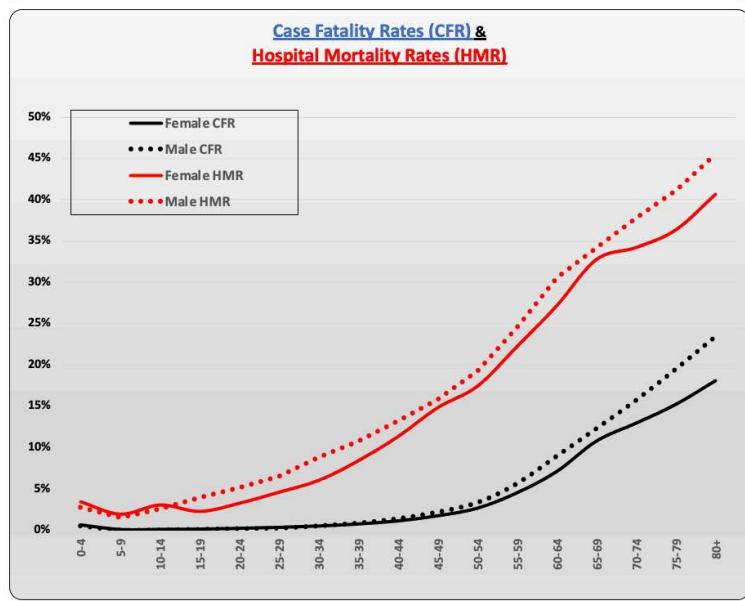
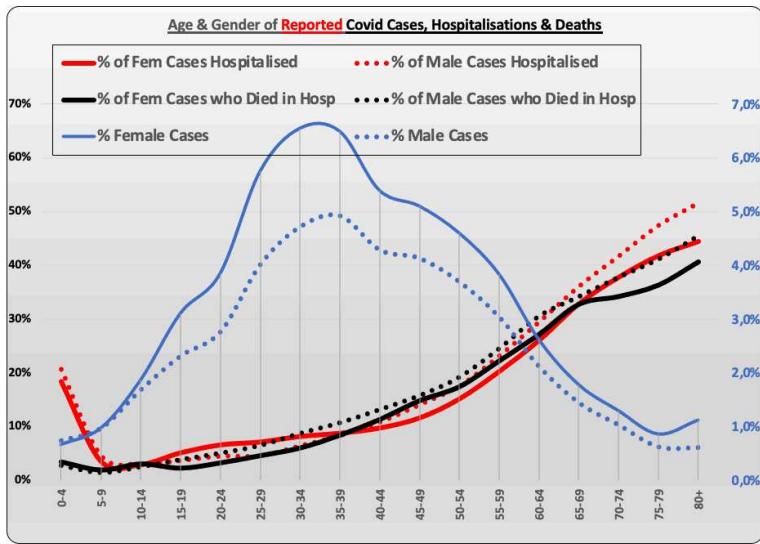
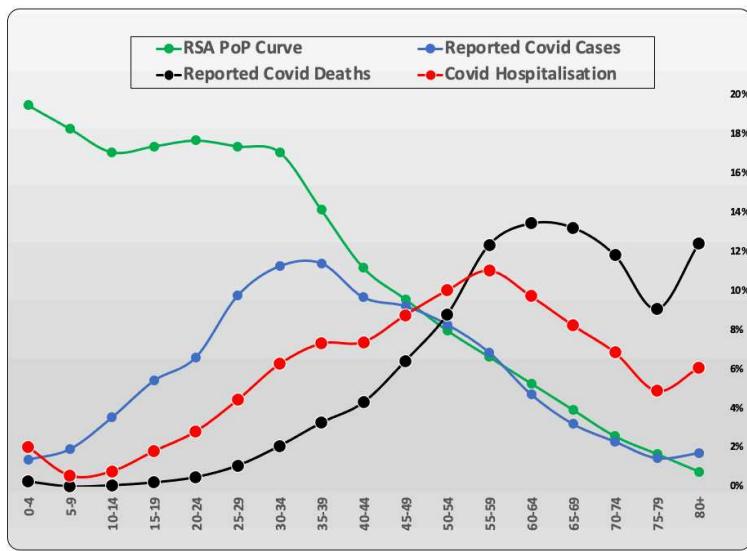


RSA Daily Covid Cases In Hospital : Jun 2020 to end Mch 2022 (actual not MA)

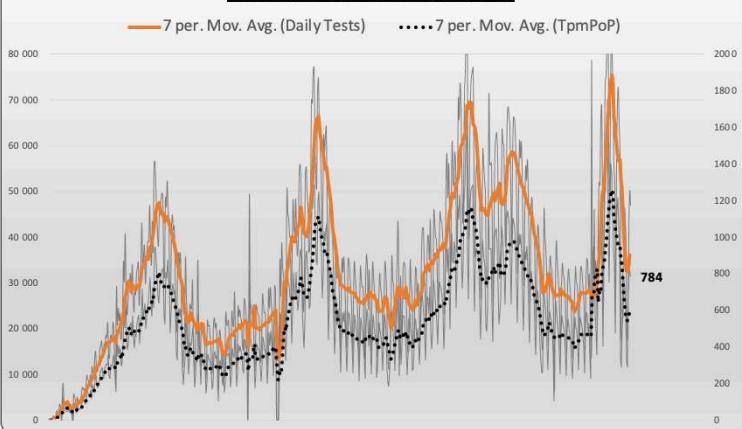


RSA Age & Gender Stats

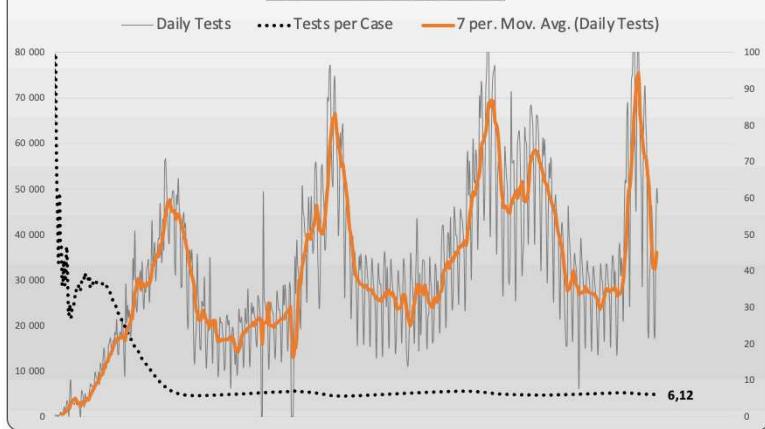
Page 6



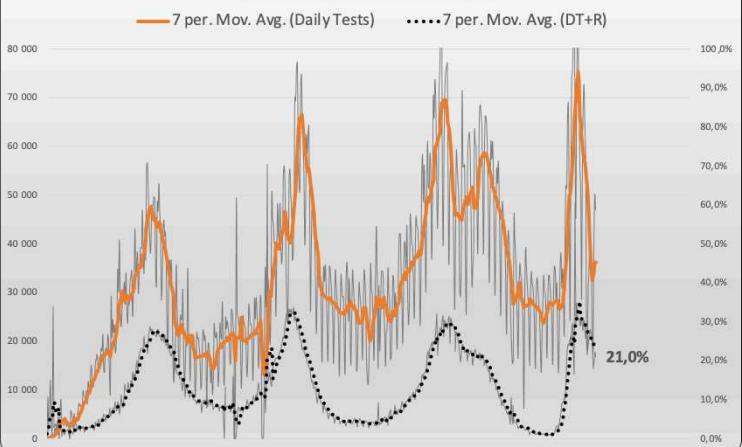
RSA: Daily Tests per million PoP



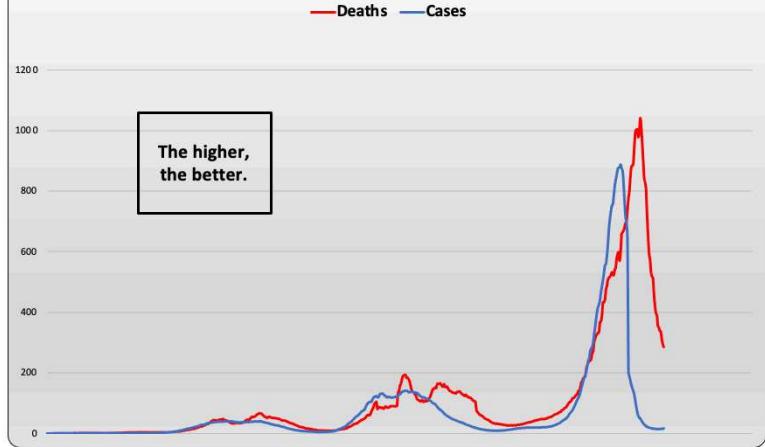
RSA: Daily Tests per +Case



RSA: Daily Tests Positivity %



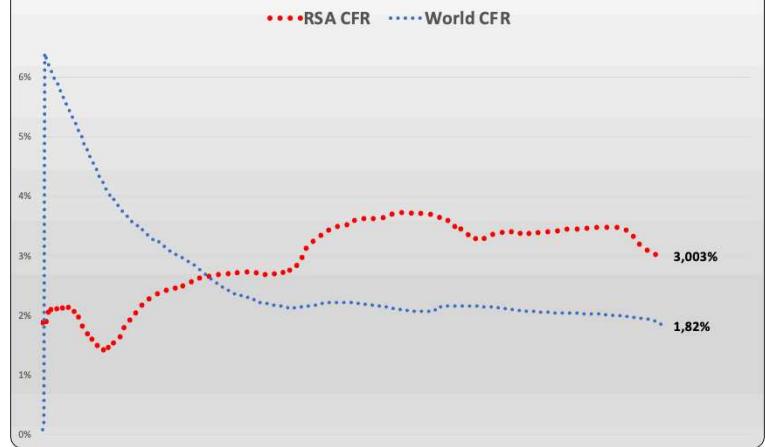
RSA Doubling Times in Days



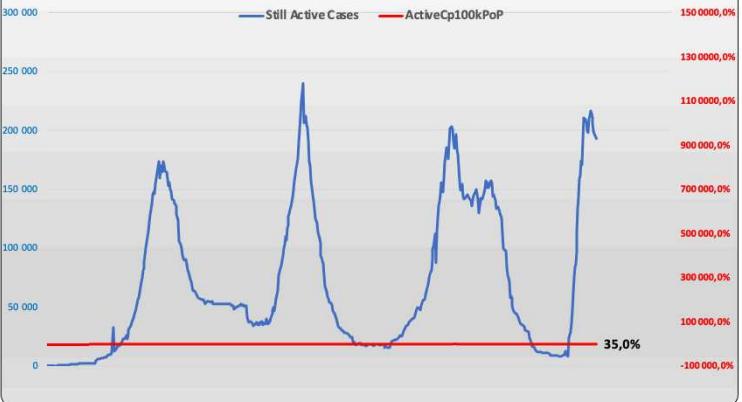
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



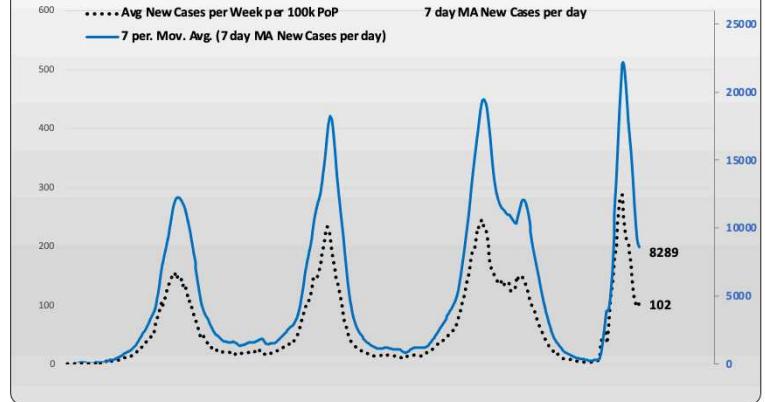
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Still Active Reported Cases per 100k PoP

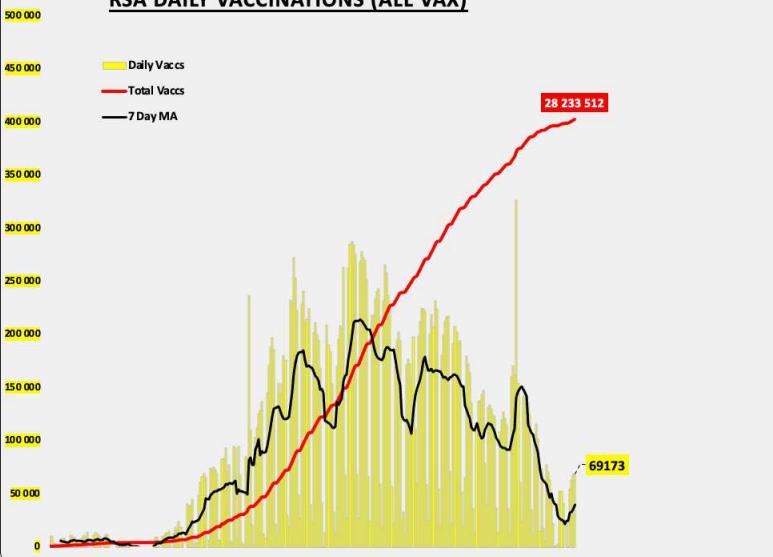


RSA: Avg New Reported Cases per week per 100k PoP



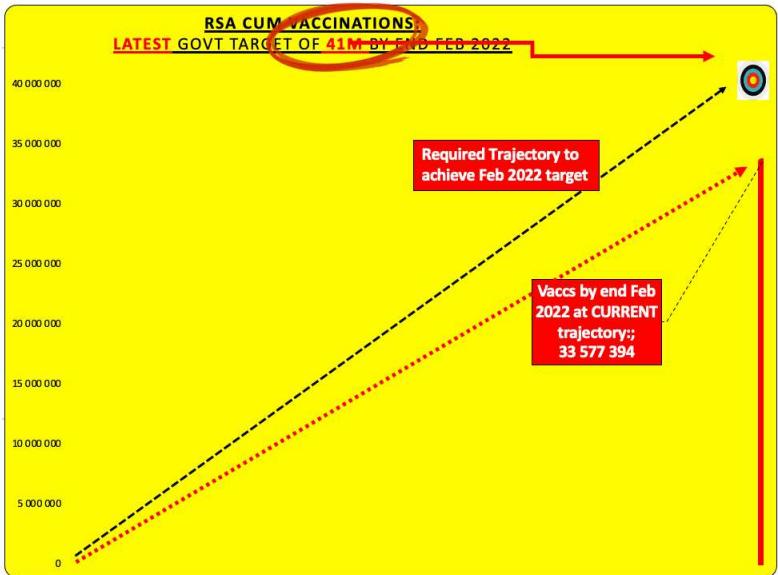
Vaccination Data

RSA DAILY VACCINATIONS (ALL VAX)

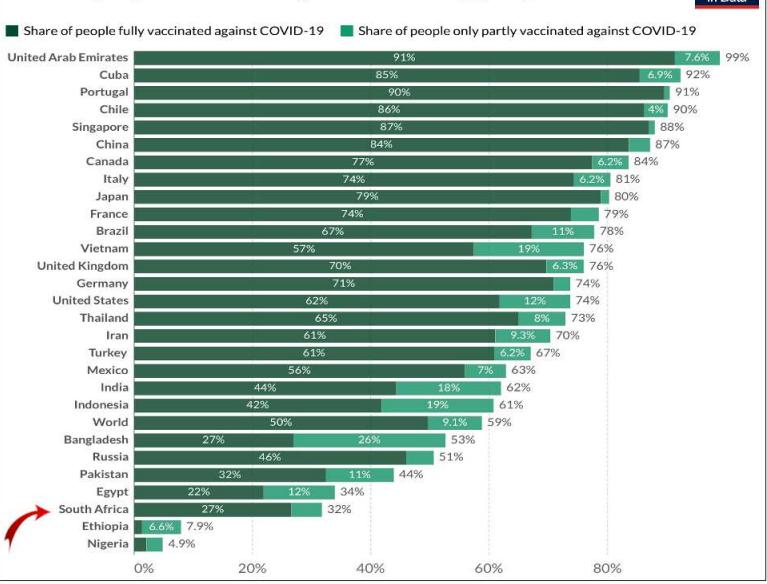


RSA CUM. VACCINATIONS

LATEST GOVT TARGET OF 41M BY END FEB 2022



Share of people vaccinated against COVID-19, Jan 5, 2022



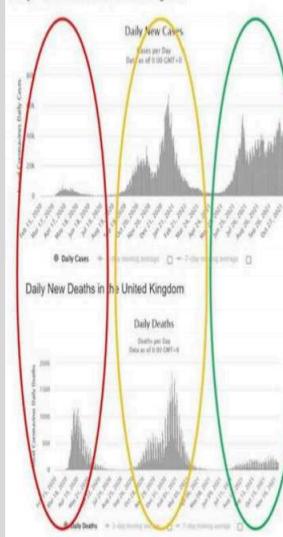
Data as at:

06 January 2022

Unless otherwise indicated

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

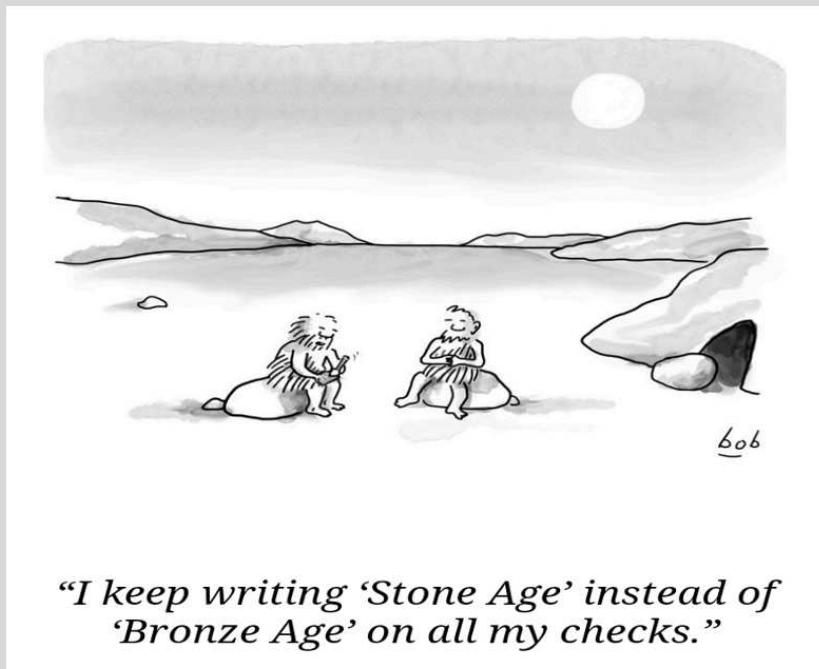


Province	Total Adult Population [18 Years & Older]	Total Individuals Fully Vaccinated	Individuals Fully Vaccinated as a % of the Adult Population
Eastern Cape	4,099,543	1,802,340	43.96%
Free State	1,914,521	923,950	48.26%
Gauteng	11,311,326	4,037,939	35.70%
Kwazulu-Natal	7,219,795	2,420,750	33.53%
Limpopo	3,695,801	1,714,042	46.38%
Mpumalanga	3,039,520	1,068,156	35.14%
North West	2,693,247	1,086,503	40.34%
Northern Cape	847,545	359,880	42.46%
Western Cape	4,976,903	2,324,200	46.70%
Total	39,798,201	15,737,760	39.54%

hdg

07 January 2022

A smile is the best vaccine....



*"I keep writing 'Stone Age' instead of
'Bronze Age' on all my checks."*

