

HarryG COVID-19 StatsPack

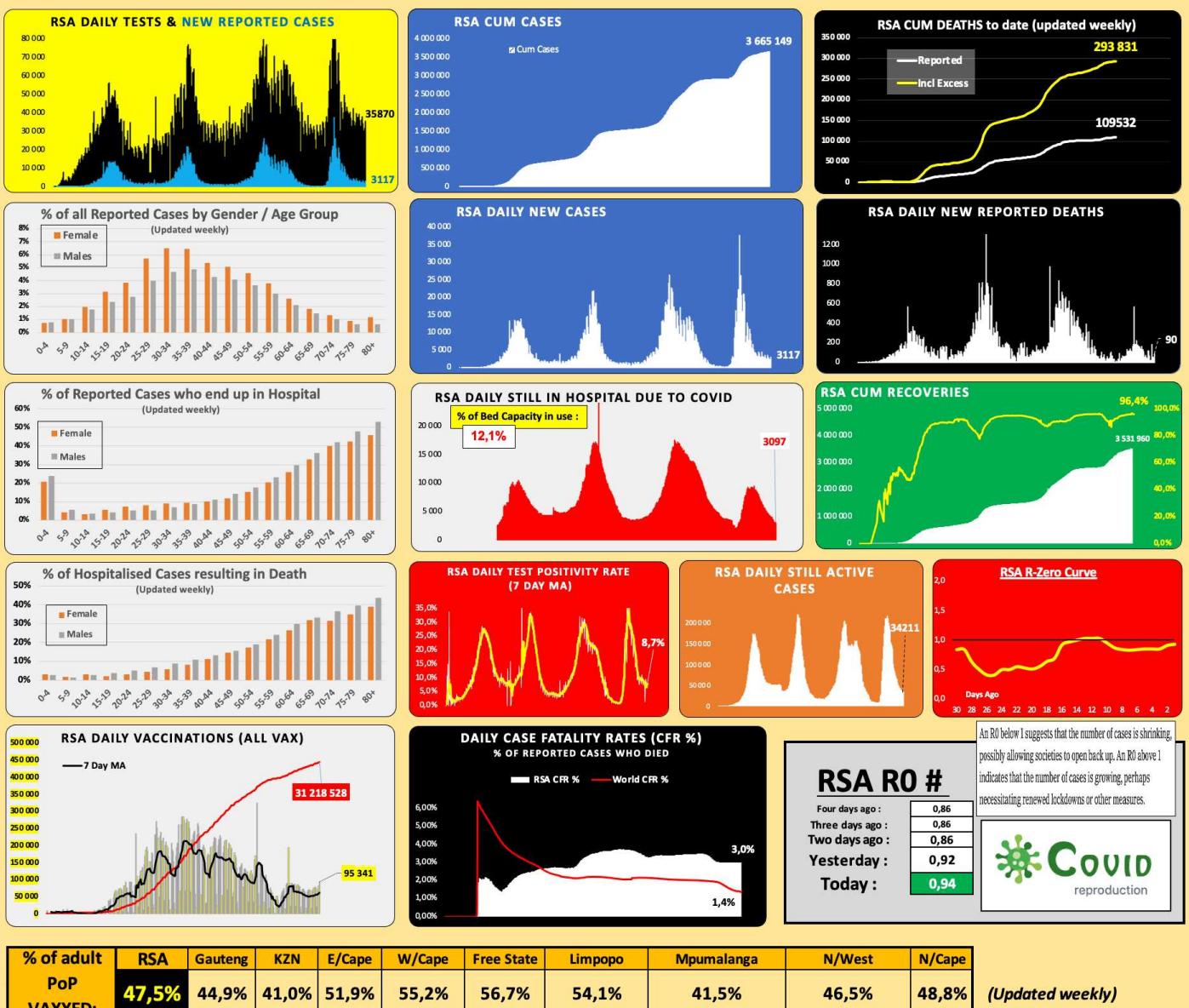
Deteriorating

Improving

Against
Previous Day

Page 1

Cum Cases				Daily Cases		RSA COVID-19 DASHBOARD as at: 24-Feb-22	Daily Still in Hospital		Case Fatality Rates (CFR): Reported Cases Hospital Cases		Vaccinations:		Time to achieve Govt Target of 41m vaccs				
Still Active +Cases		Cum Cases p mill PoP	Cum Deaths p mill PoP	3097			3,00% 20,02%		Daily Avg	85 530	1,29 Yrs	Total to date:	31 218 528				
34 211		61 210	1834	Cum Deaths			% of RSA PoP who have died to date : Reported Deaths Incl Excess Deaths					Cum Tests	Daily Tests				
109 831		90		0,18% 0,49%			% of RSA PoP who have died to date PROJECTED to end Mch 2022:		Projected to end Mch 2022:	0,19%	0,48%						
Deaths Ages		Deaths Avg	Deaths Median	Cases			Reported Deaths Incl Excess Deaths					Daily Test Positivity Rate:					
Avg		Min Age	Max Age	56,4%			51,5% 2,54%					8,7%					
62,2		53,1	0,2	43,6%			48,5% 3,09%										
108				55,4%			55,4%										
22-Feb																	



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

Data as at: 23 February 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.

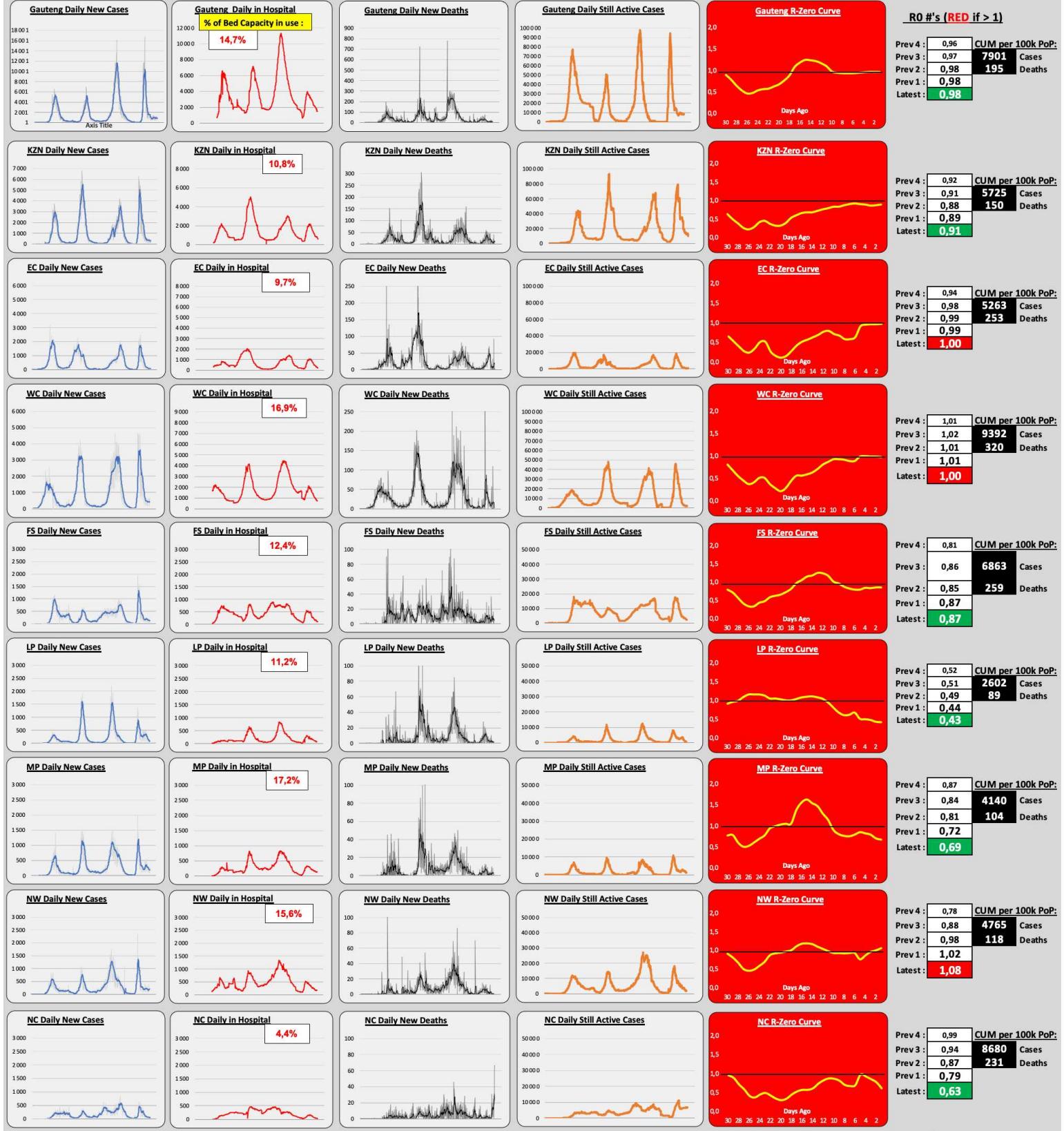


RSA Provinces detailed daily Data and Trends Jan 2020 to Mch 2022

Latest Provincial

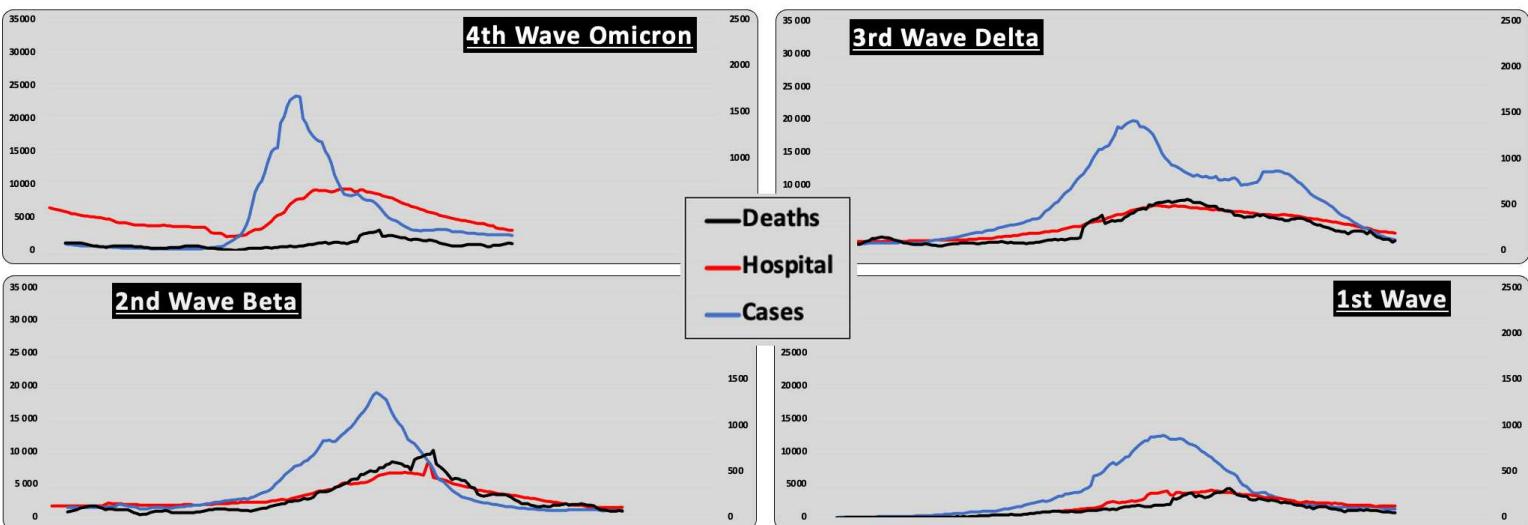
RO #'s (RED if > 1)

Prev 4 : 0,96	CUM per 100k PoP:
Prev 3 : 0,97	7901 Cases
Prev 2 : 0,98	195 Deaths
Prev 1 : 0,98	
Latest: 0,98	



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

Page 2

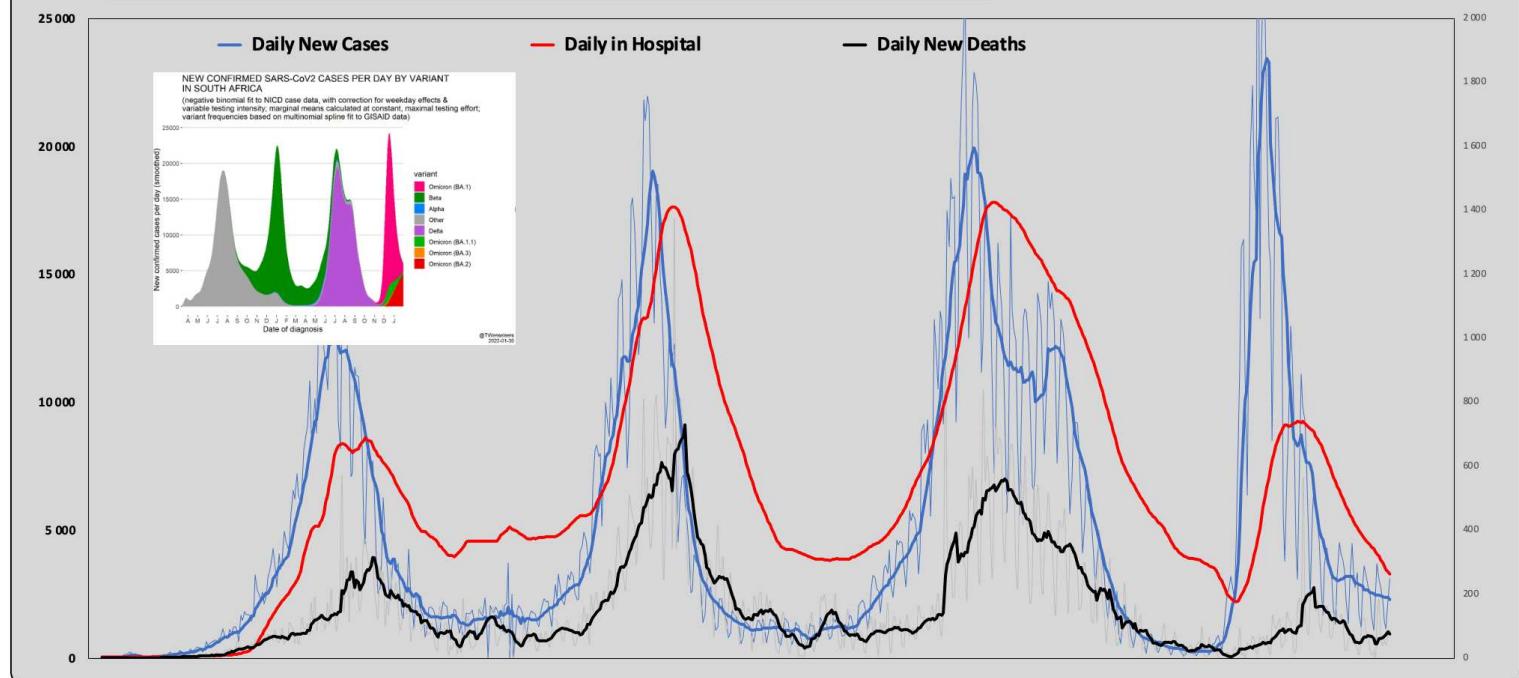


Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

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 Reported Daily Cases v Hospitalisations v Daily Deaths (7 Day MA note the dual axes)



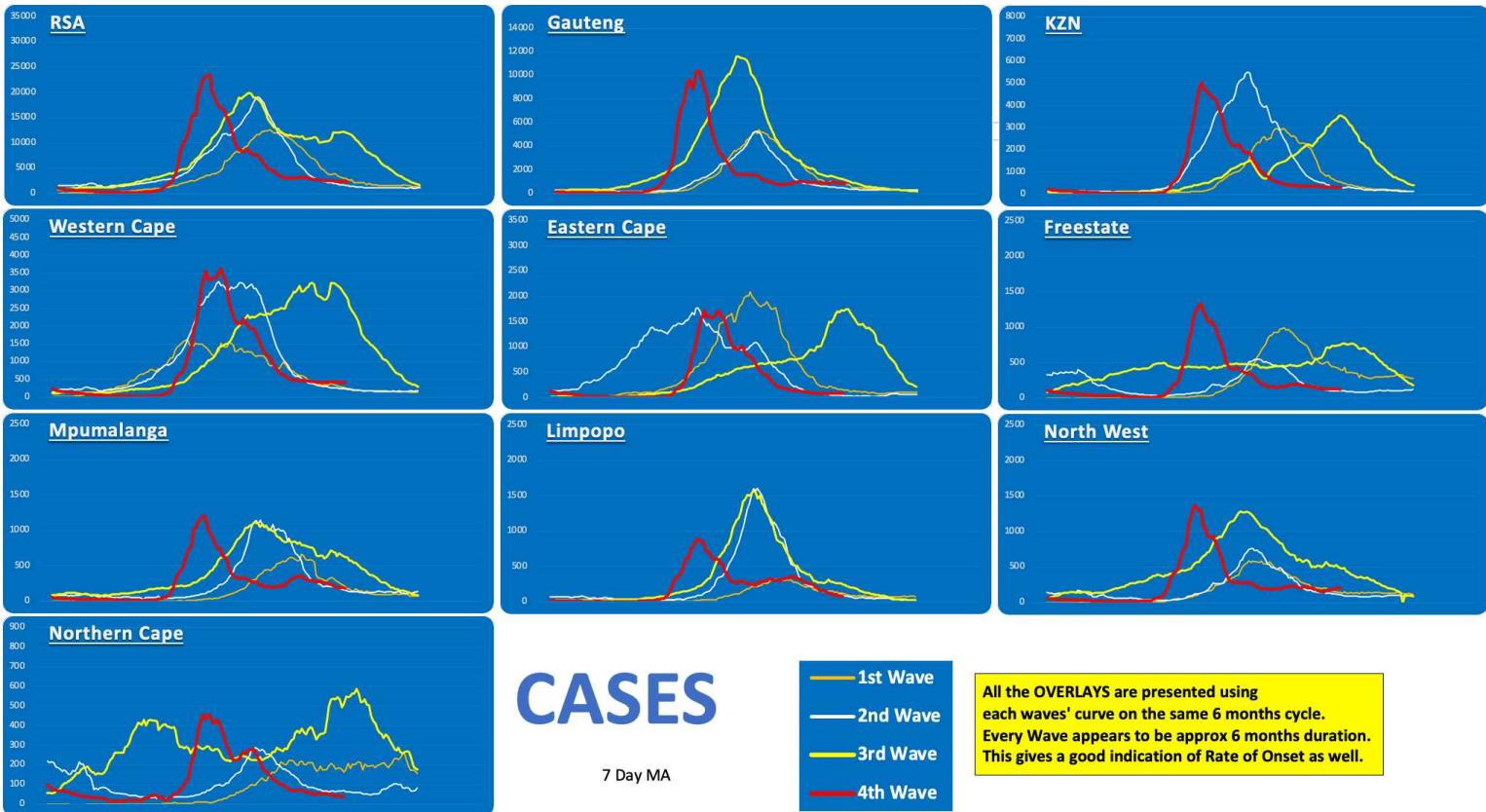
Level 5	Level 4	L3	Level 3-	L2	Level 1	Level 1-	Level 3-	Level 1+	L2	L3	Level 4	Level 3	L2	Level 1	Level 1-
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Data as at: 23 February 2022 Unless otherwise indicated

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1st / 2nd / 3rd & 4th WAVE OVERLAYS (DAILY CASES & DAILY STILL HOSPITALISED)

Page 2.1

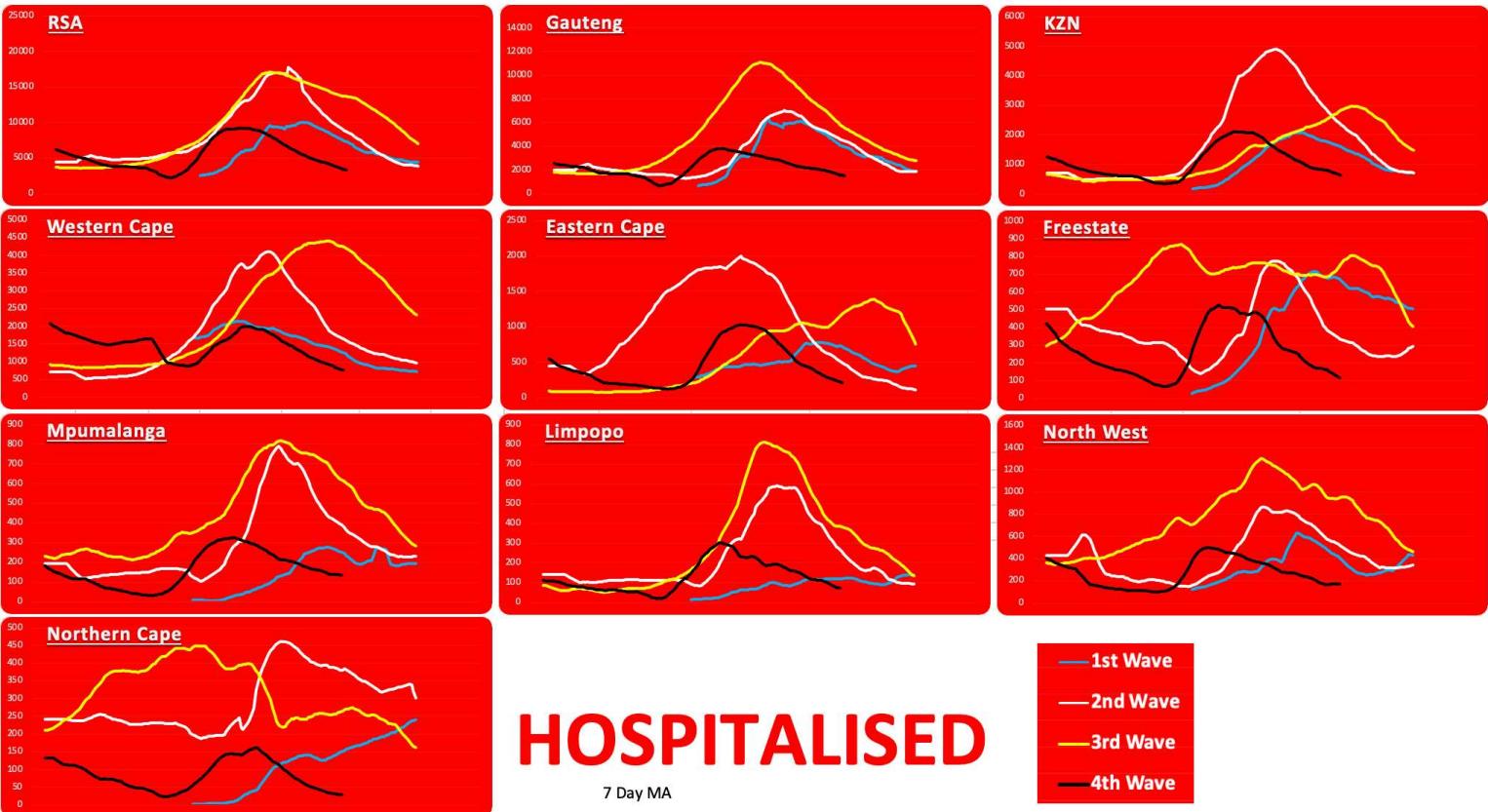


CASES

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.



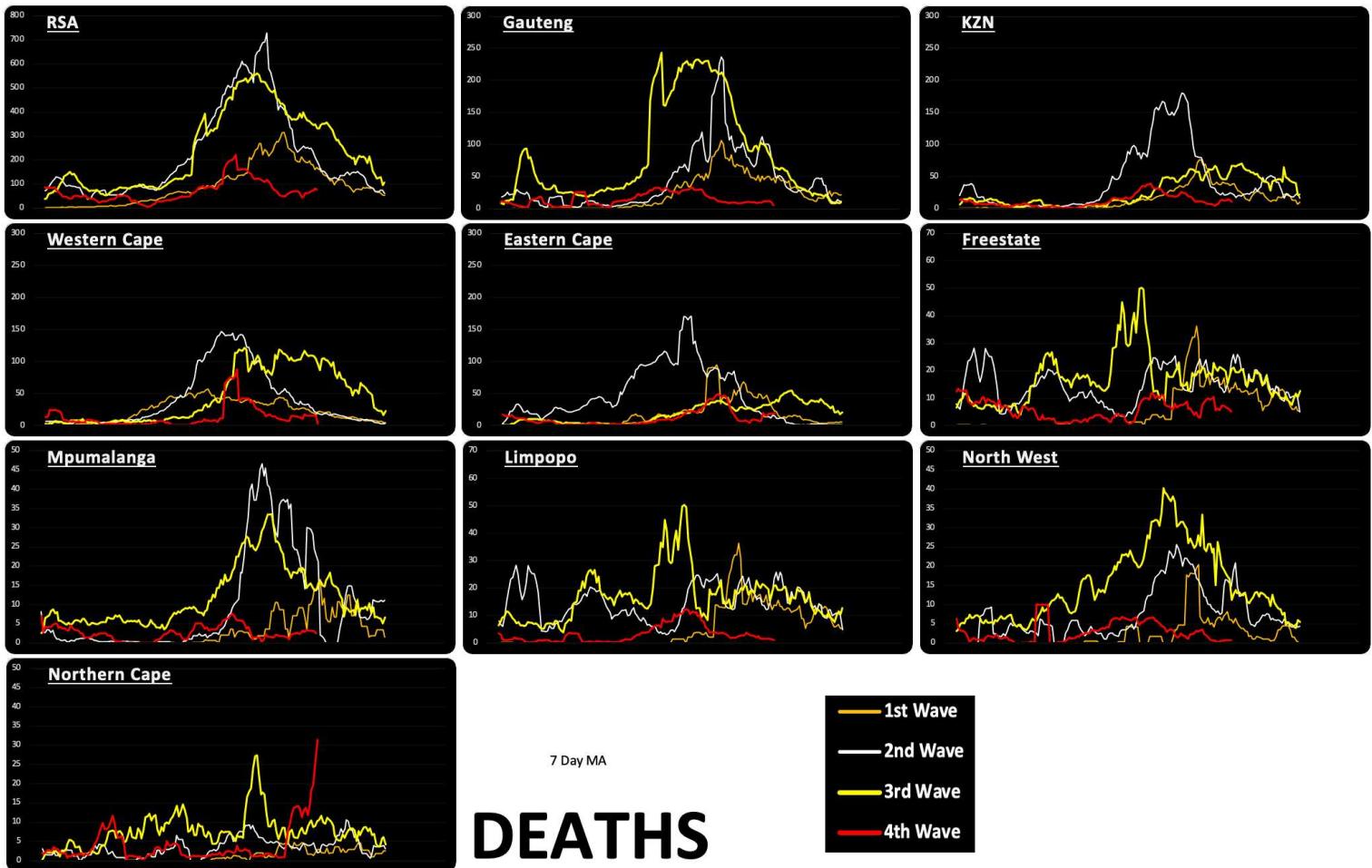
HOSPITALISED

7 Day MA

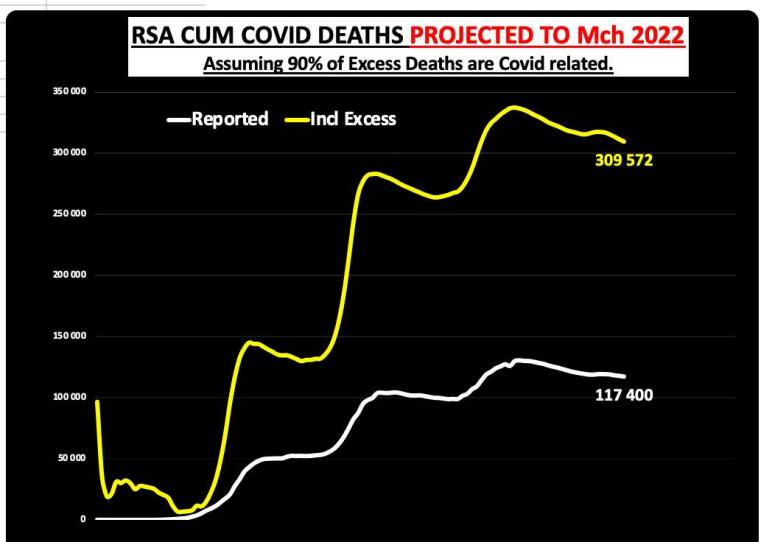
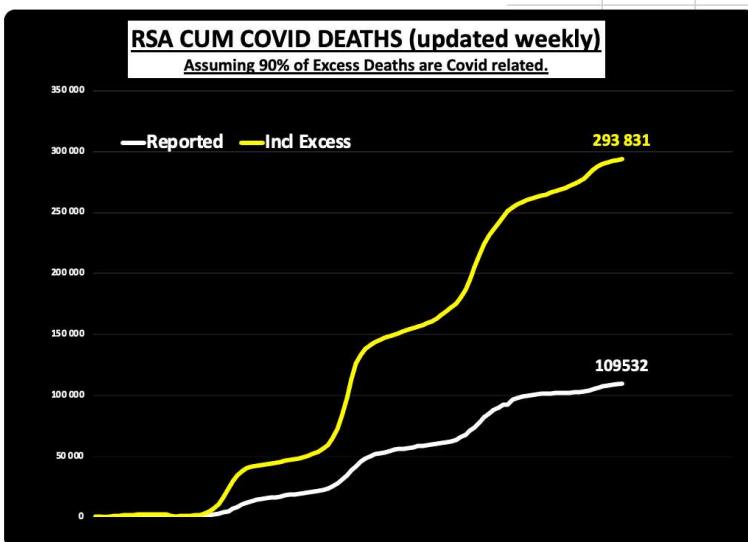
- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

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

Page 2.2

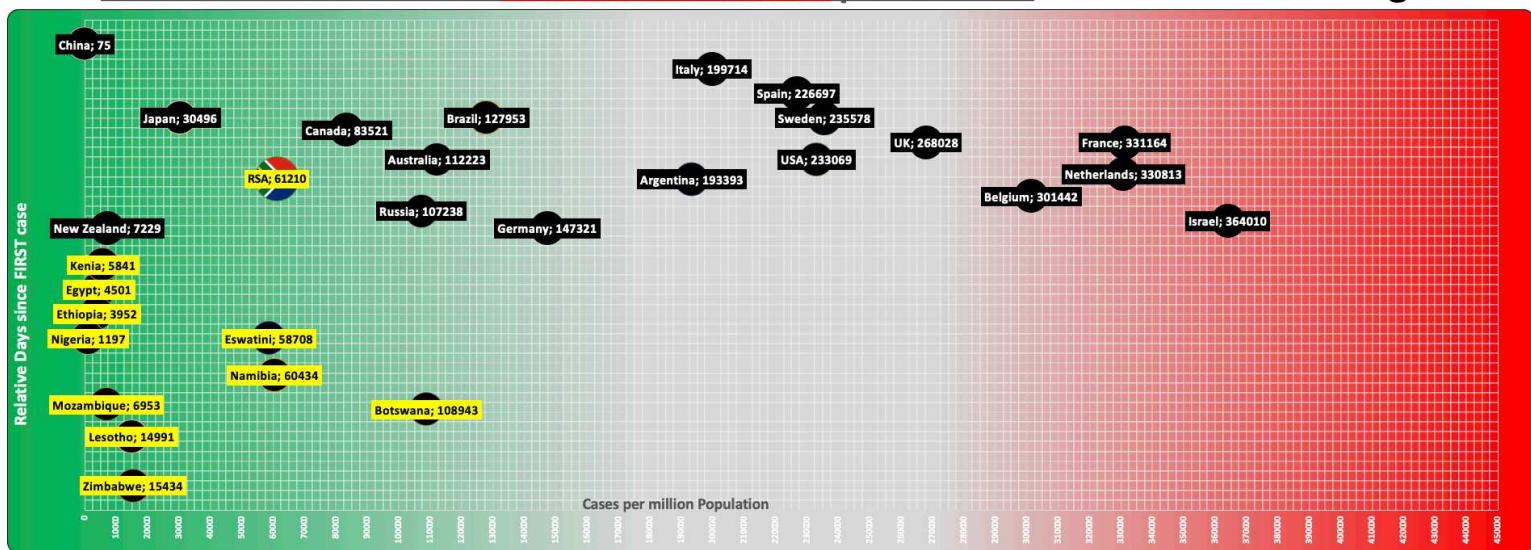


RSA Cum & Projected Deaths (Reported & Incl Excess)

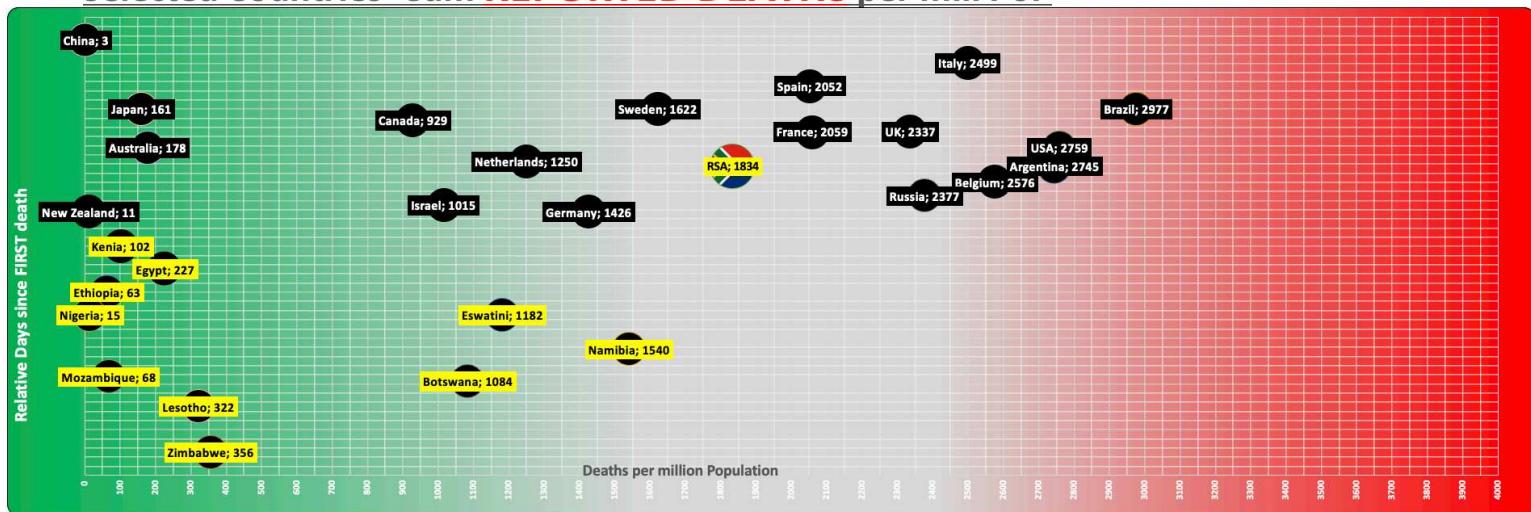


Selected Countries' Cum **REPORTED CASES** per mill PoP

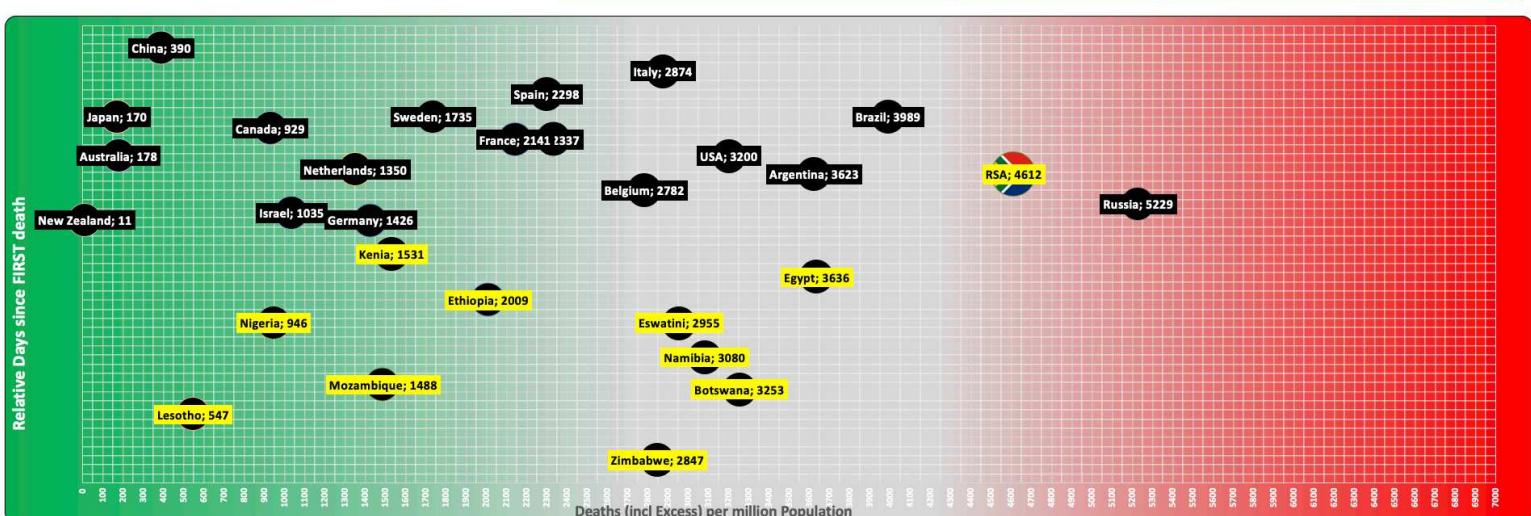
Page 2.3



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



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



Data as at: 23 February 2022

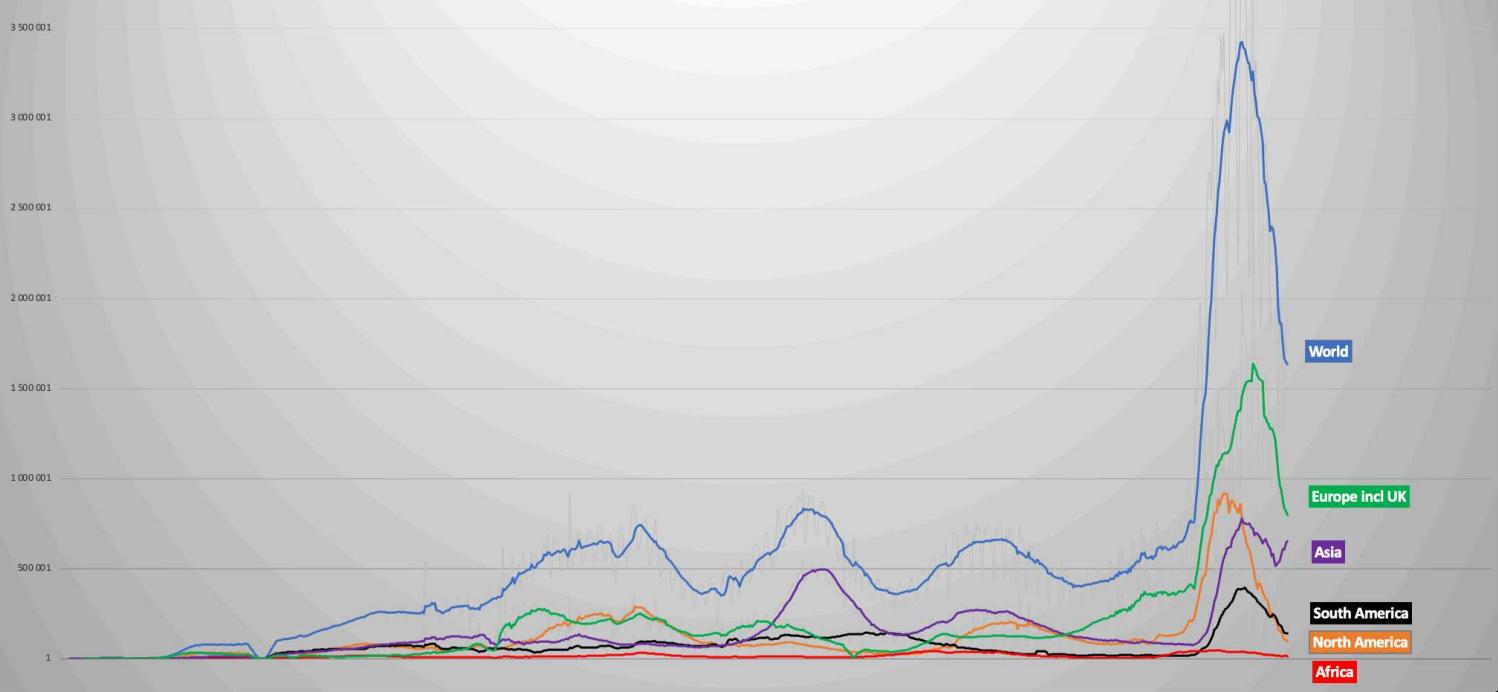
* Excess Deaths %'s as per OurWorldInData & The Economist Magazine

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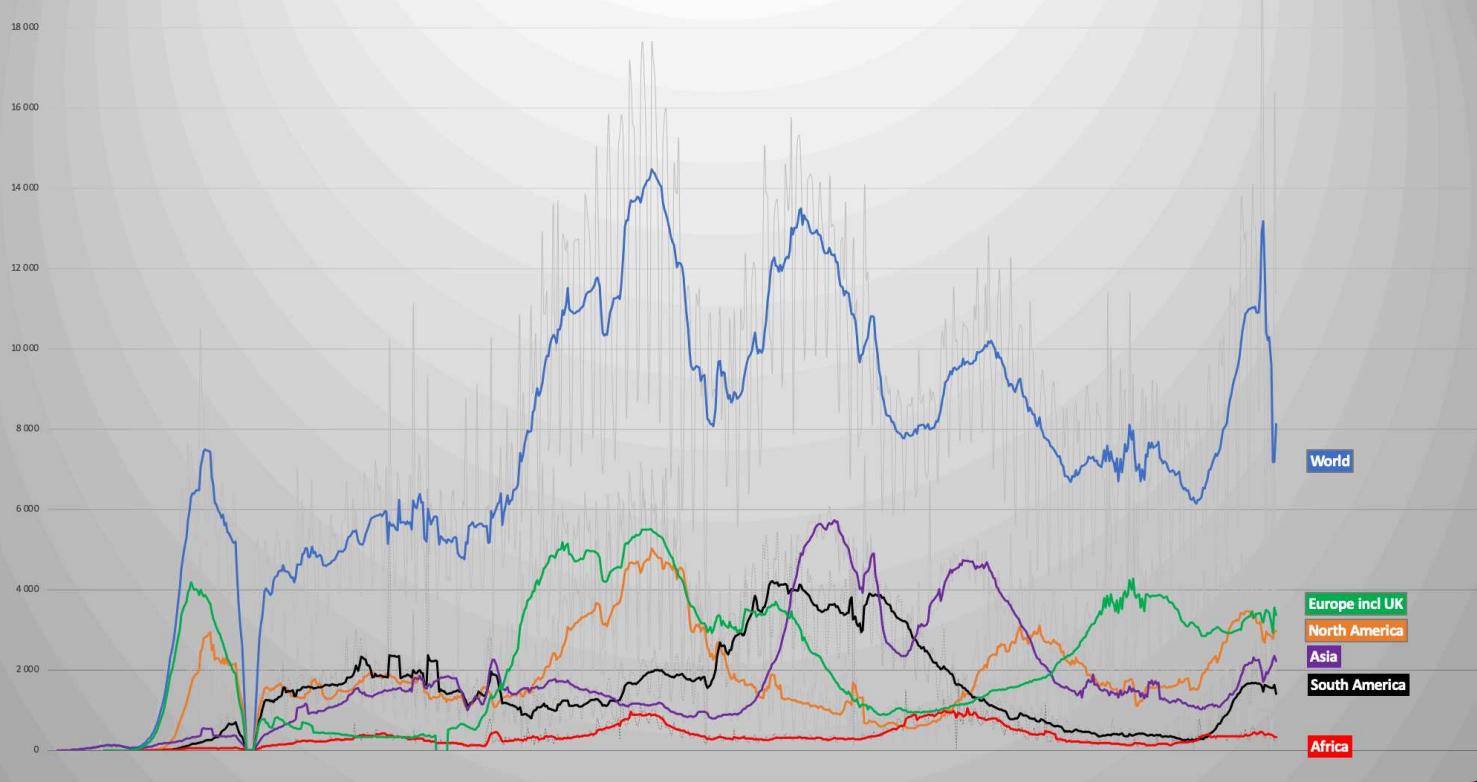
7 Day Moving Average of Daily Reported Deaths & Cases by World Region

Page 3.0

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

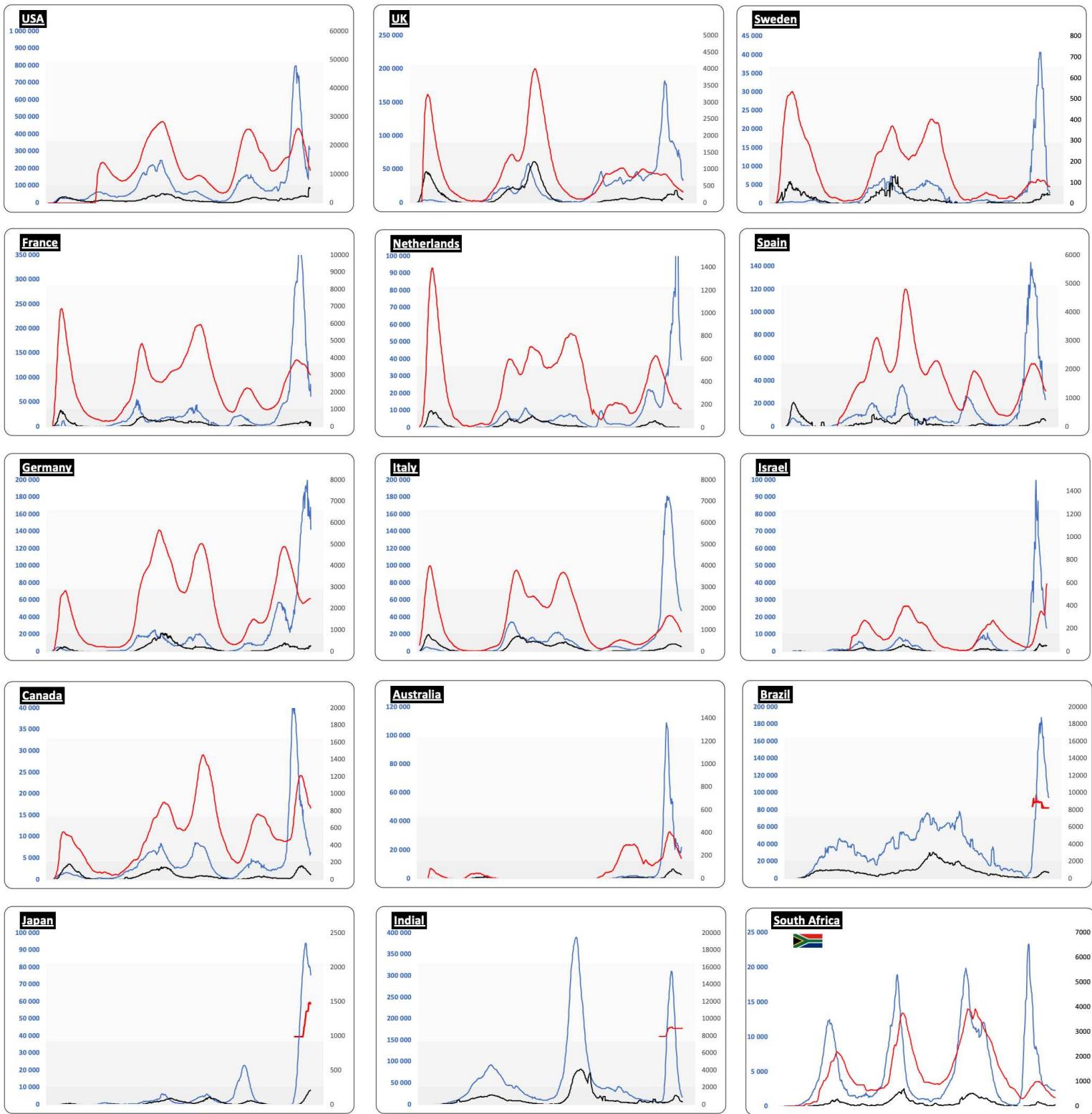


World Regions: 7 Day MA of Reported Daily Deaths (Linear Scale)



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

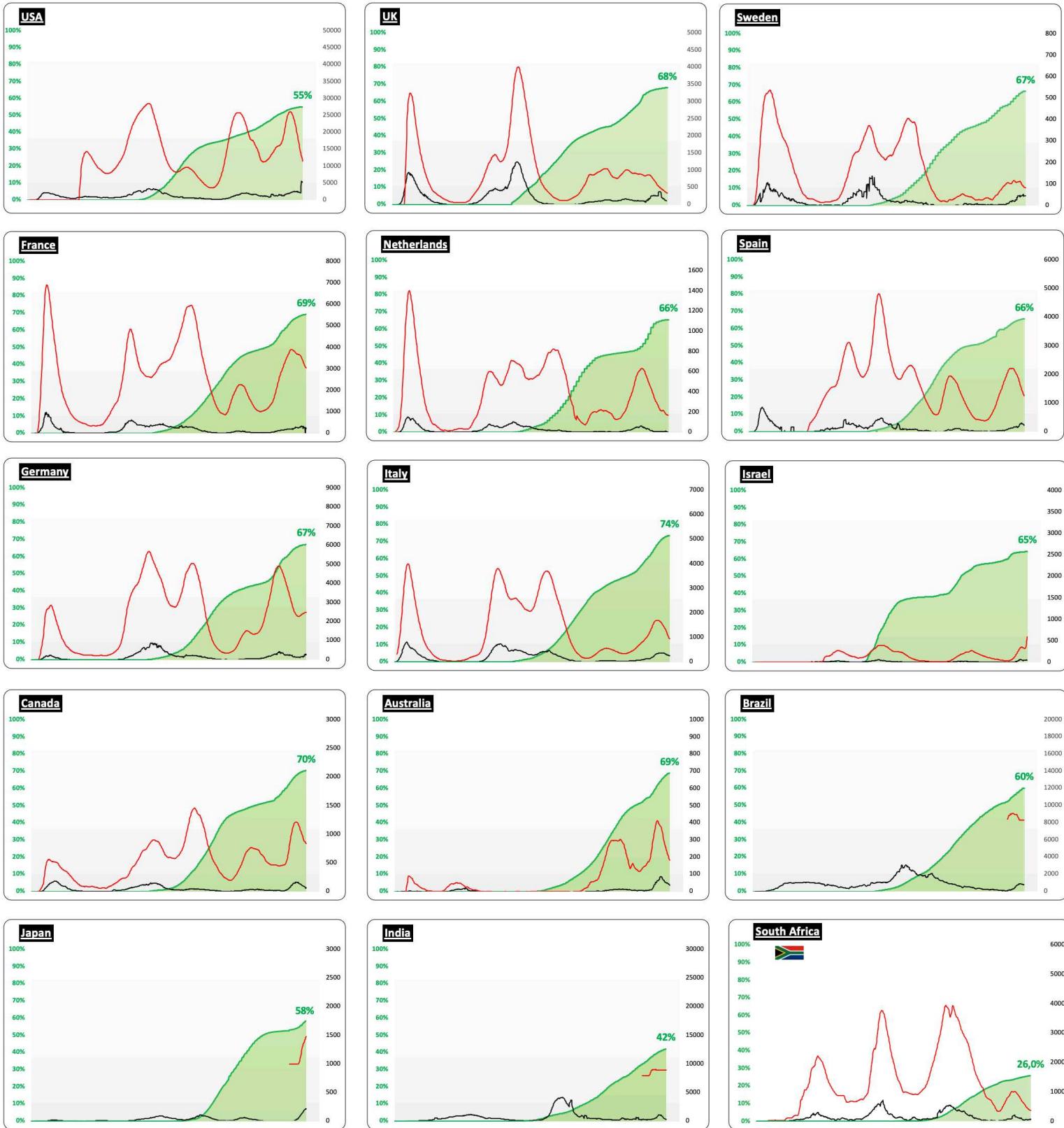
Page 3.1



Data as at: 23 February 2022 Unless otherwise indicated

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Selected Countries' % Fully Vaxed incl Booster, In ICU & Daily Deaths as Reported (7 Day MA) Page 3.2



Data as at: 23 February 2022 Unless otherwise indicated

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

Red line = Reported Covid Deaths.

Black line =
expected avg
annual Deaths as
per white block
data

WHO_2018 World Mortalities.pd	
Cardio	146573
Cancer	48742
Respiratory incl Flu	26181
Digestive & Diarrheal	17734
Dementia	10000
Neonatal	5899
Diabetes	4887
Liver	3753
Traffic	3624
Renal	3406
TB	3243
HIV	2615
Suicide	2175
Malaria	1698
Malnutrition	175
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: 129
Highest Daily Covid Deaths 2020 to date: 1374
Latest Daily Covid Deaths 2020 to date: 90

Blue line = Weekly
Excess Deaths
(see Pg 4.2)

Red line =
Reported daily
Covid Deaths.

Weekly Excess
Deaths (one
week ago)

StatsSA 2017 RSA Mortalities per day	
Natural Causes	1223
Unnatural Causes	543
Cardio	140
Respiratory incl Flu	96
TB	88
Diabetes	79
Cancers	69
HIV	61
Hypertensive	59
Other Viral	55
	46

Black line =
expected avg daily
Deaths as per
white block data

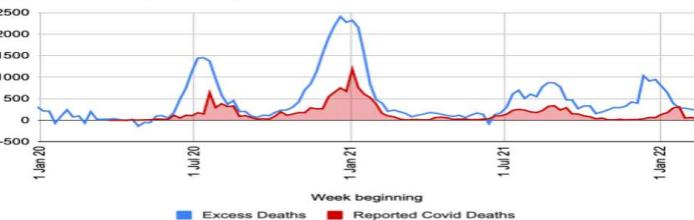
RSA Excess Deaths as per SA Medical Research Council

As at : 19 February 2022

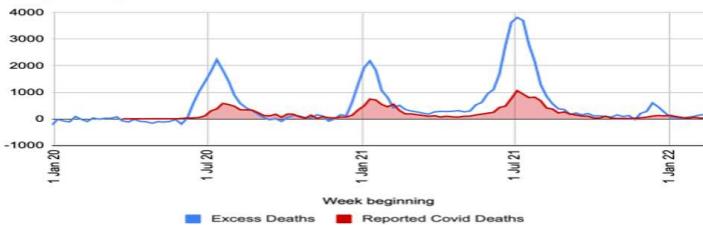
Page 4.1

Provinces

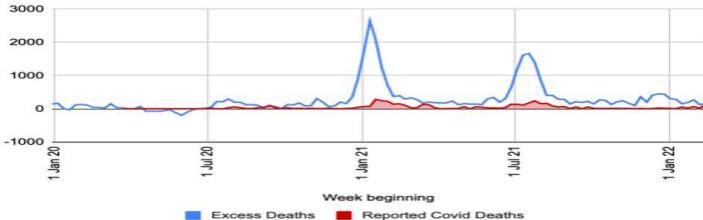
EC (Natural) Excess Deaths and Reported Covid-19 Deaths



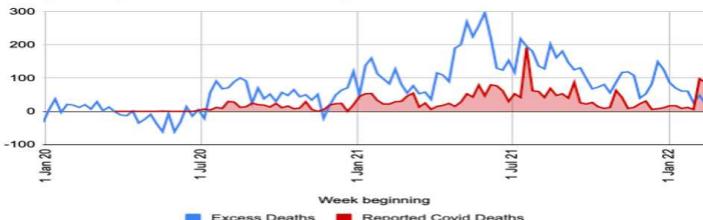
GT (Natural) Excess Deaths and Reported Covid-19 Deaths



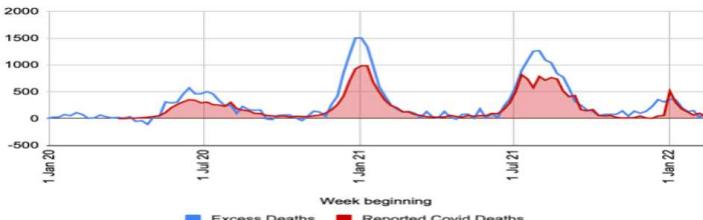
LM (Natural) Excess Deaths and Reported Covid-19 Deaths



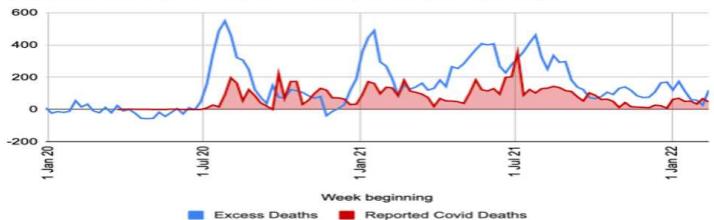
NC (Natural) Excess Deaths and Reported Covid-19 Deaths



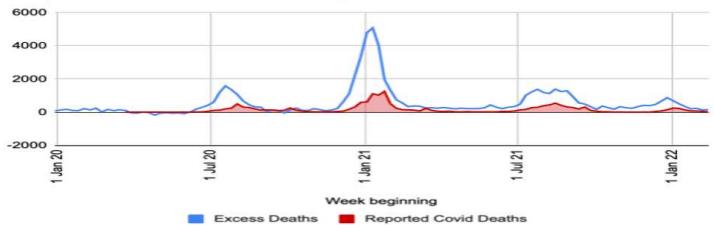
WC (Natural) Excess Deaths and Reported Covid-19 Deaths



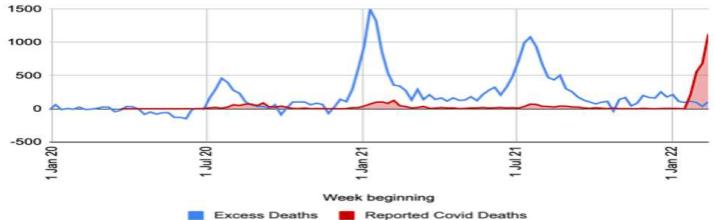
FS (Natural) Excess Deaths and Reported Covid-19 Deaths



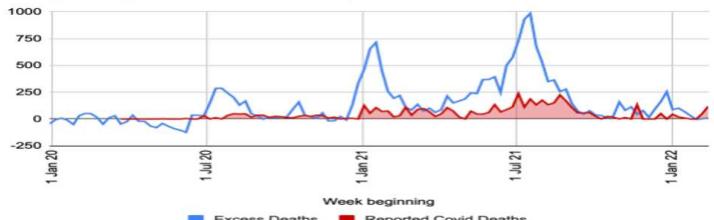
KZ (Natural) Excess Deaths and Reported Covid-19 Deaths



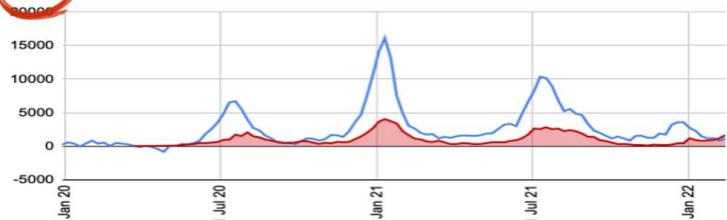
MP (Natural) Excess Deaths and Reported Covid-19 Deaths



NW (Natural) Excess Deaths and Reported Covid-19 Deaths



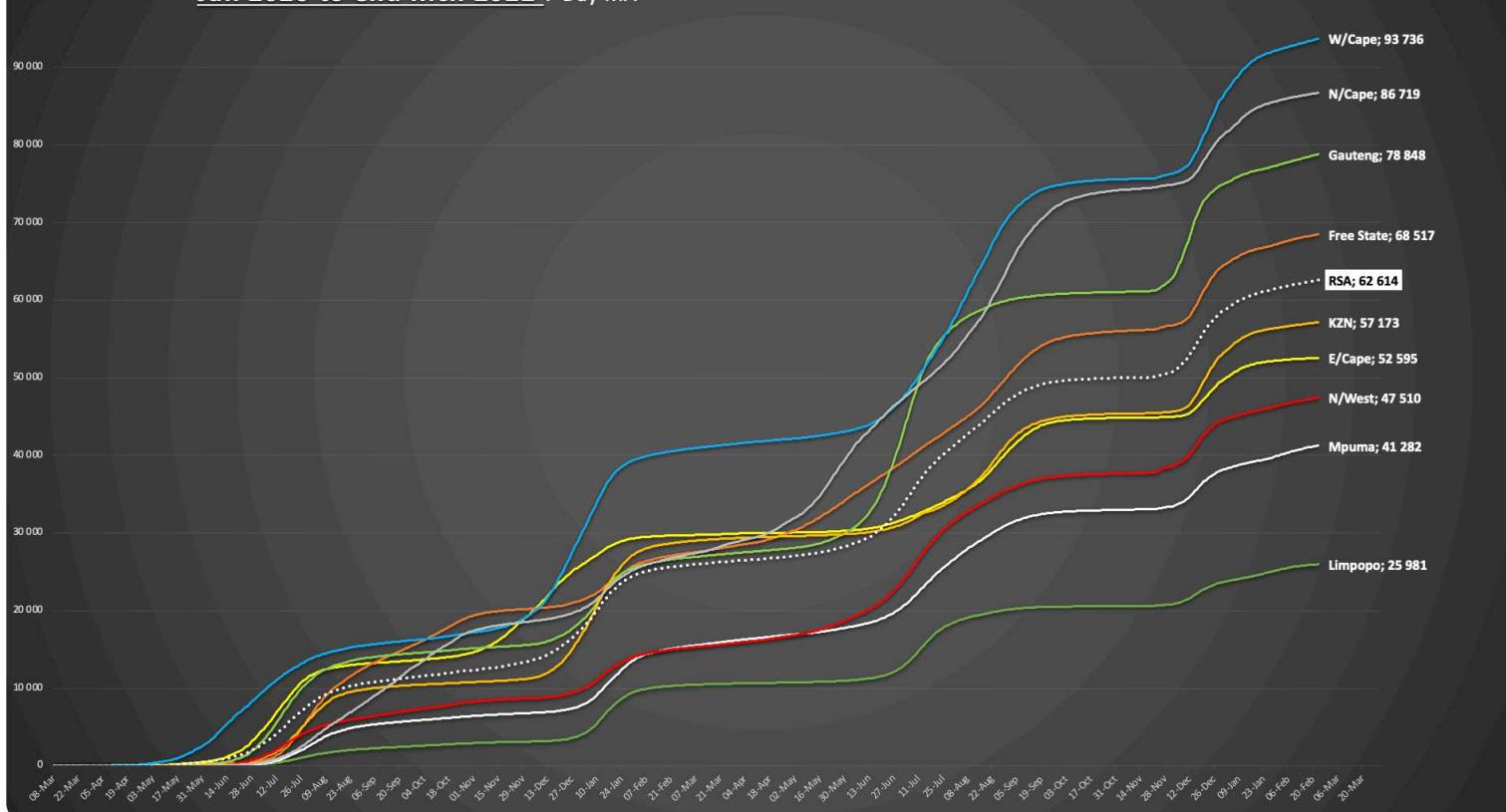
RSA (Natural) Excess Deaths and Reported Covid-19 Deaths



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).

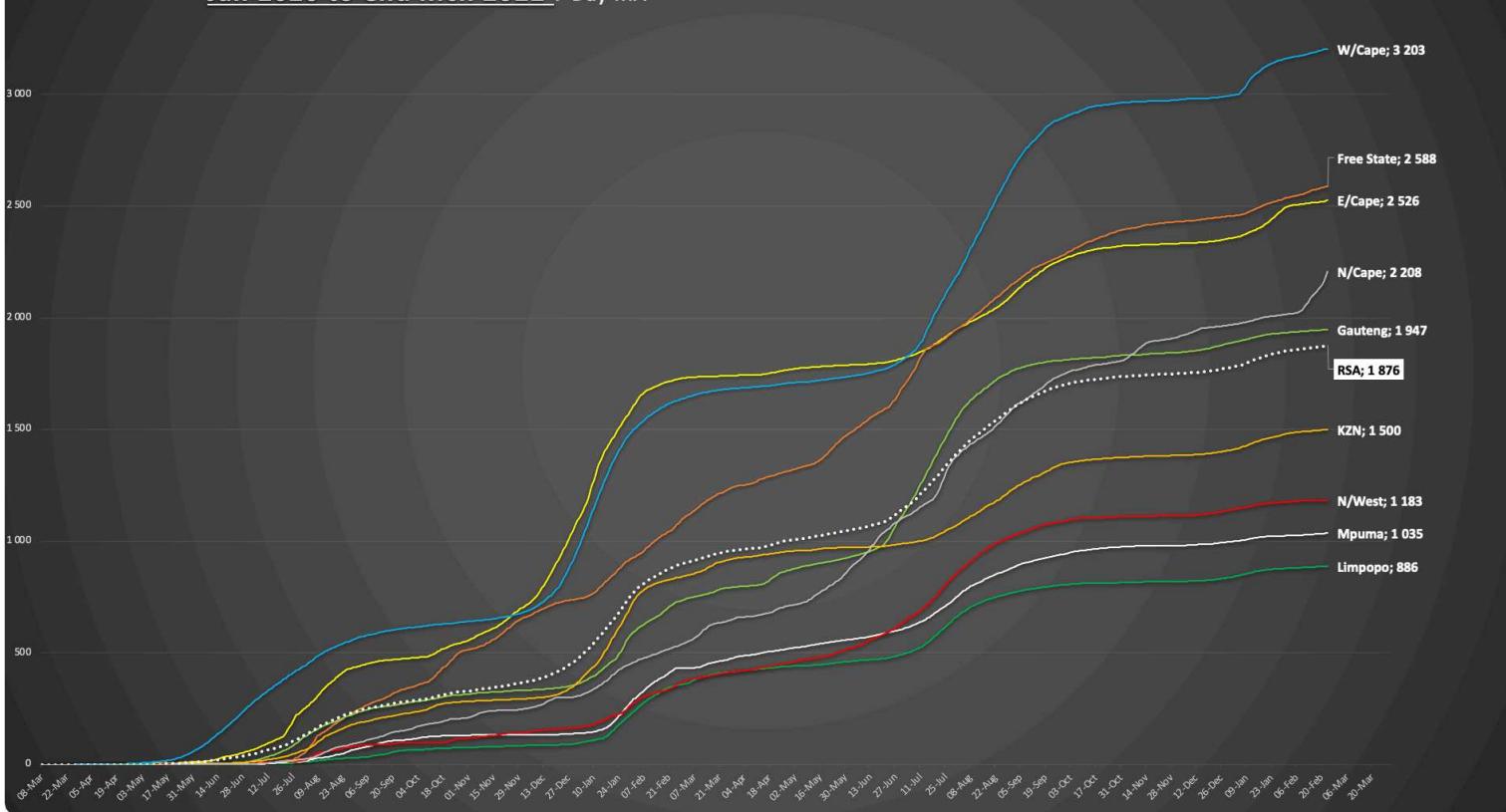
CUM reported Covid CASES per mill PoP

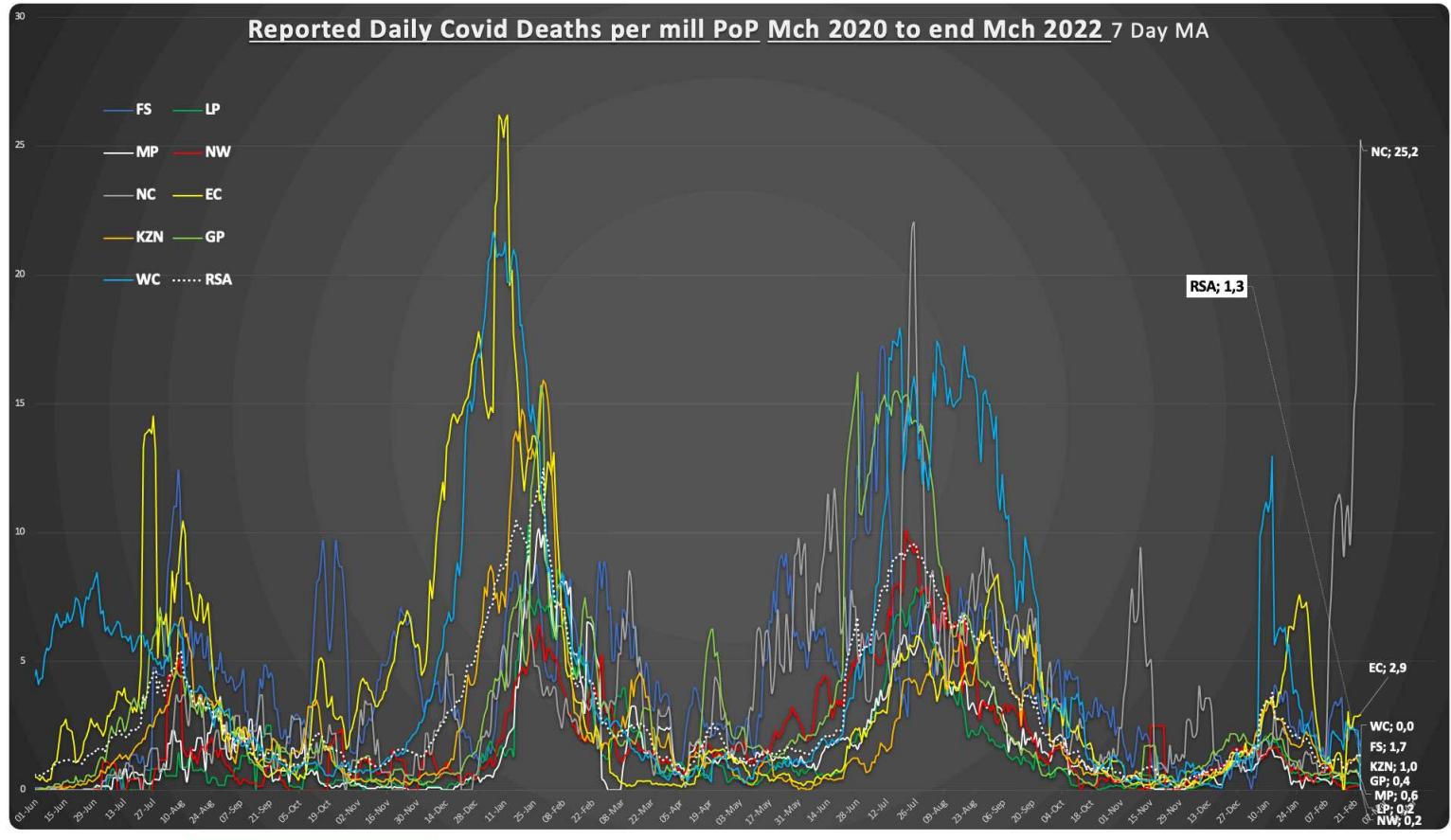
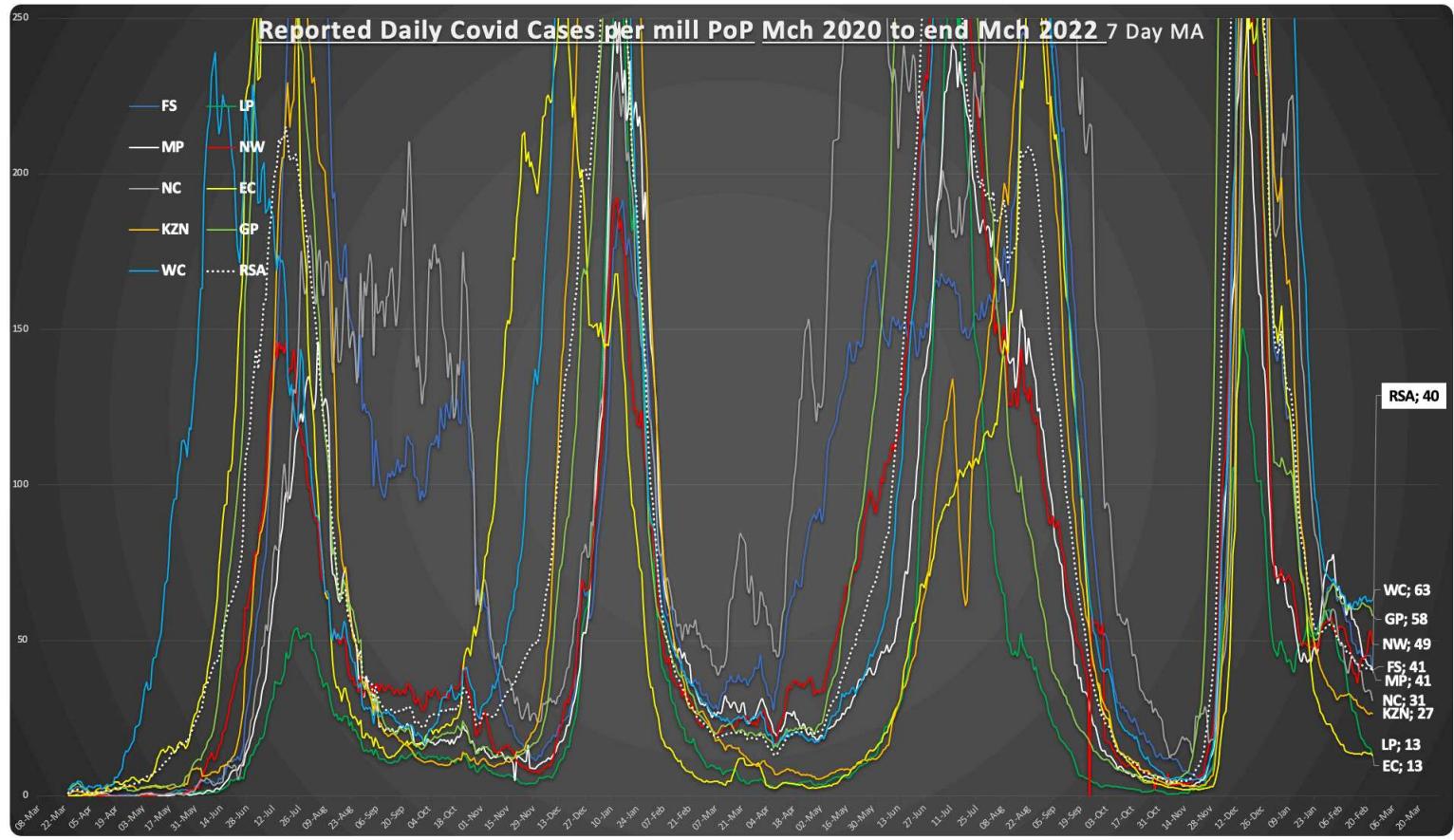
Jan 2020 to end Mch 2022 7 Day MA



CUM reported Covid DEATHS per mill PoP

Jan 2020 to end Mch 2022 7 Day MA

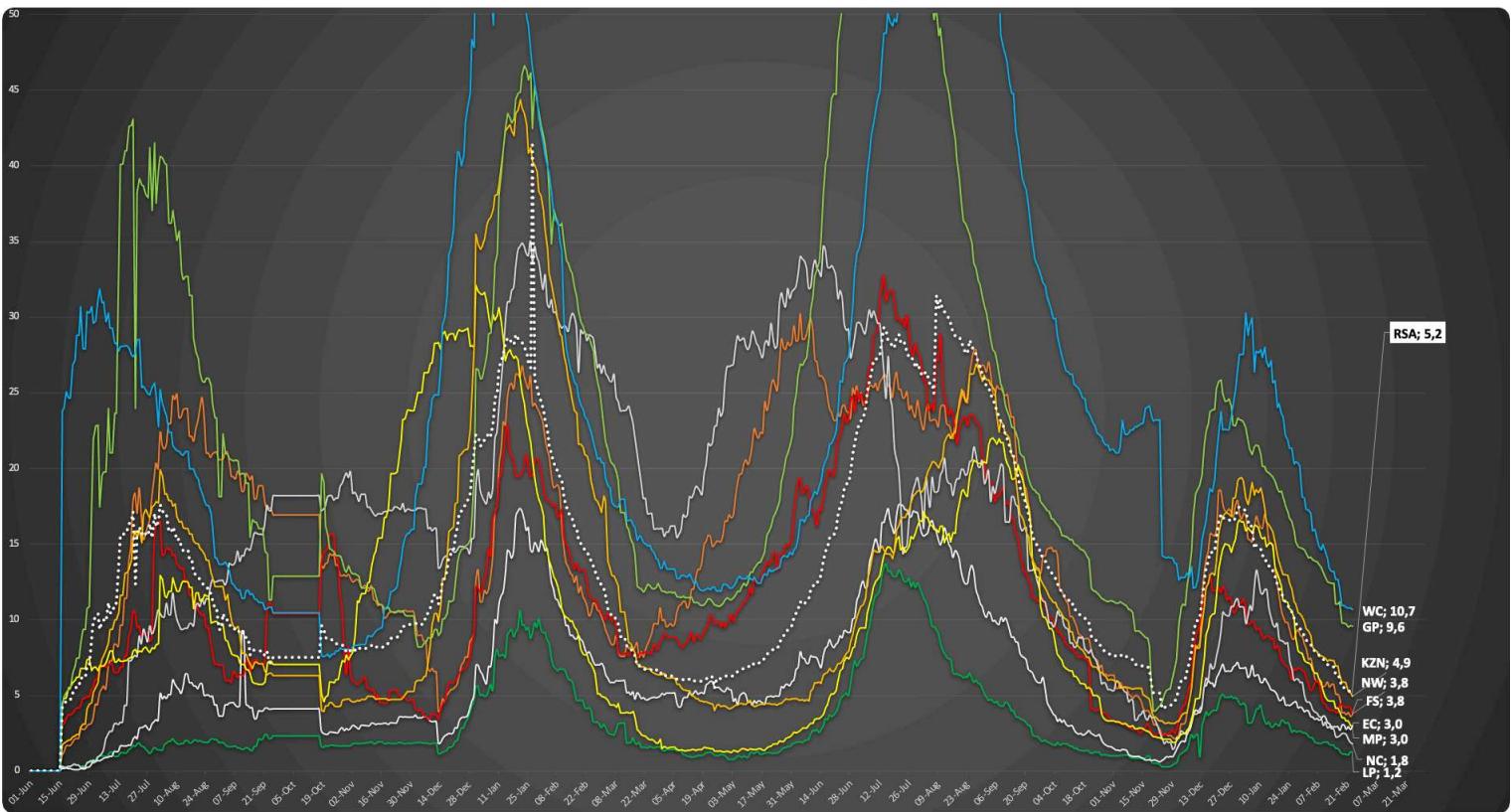




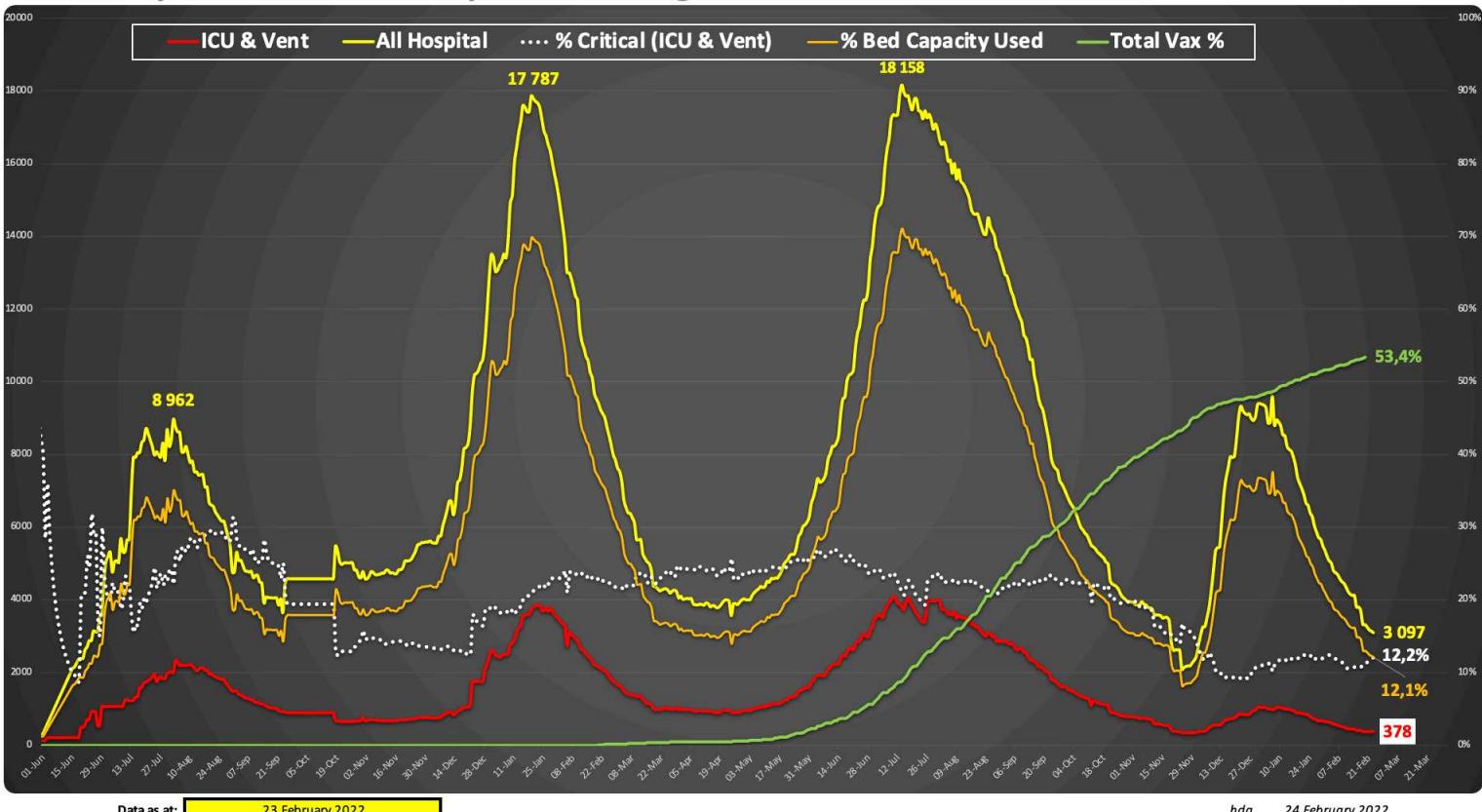
Data as at: 23 February 2022

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RSA & Prov's Daily Covid Hospitalisations per 100k Population

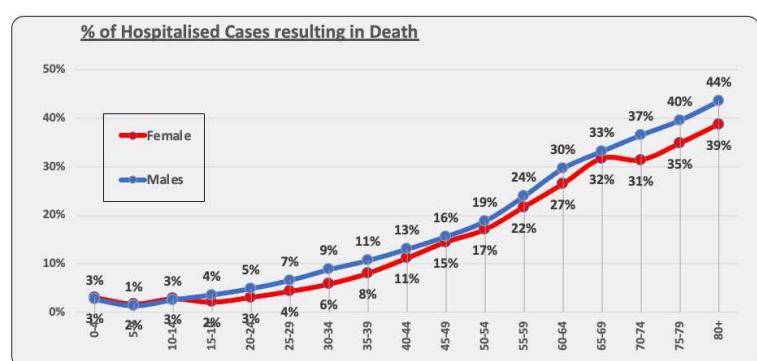
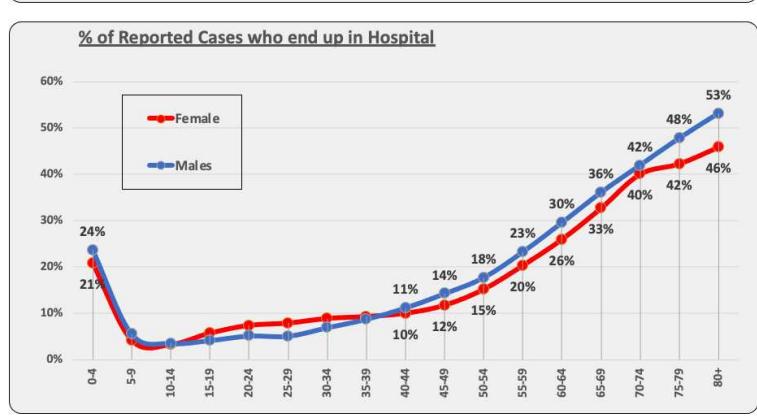
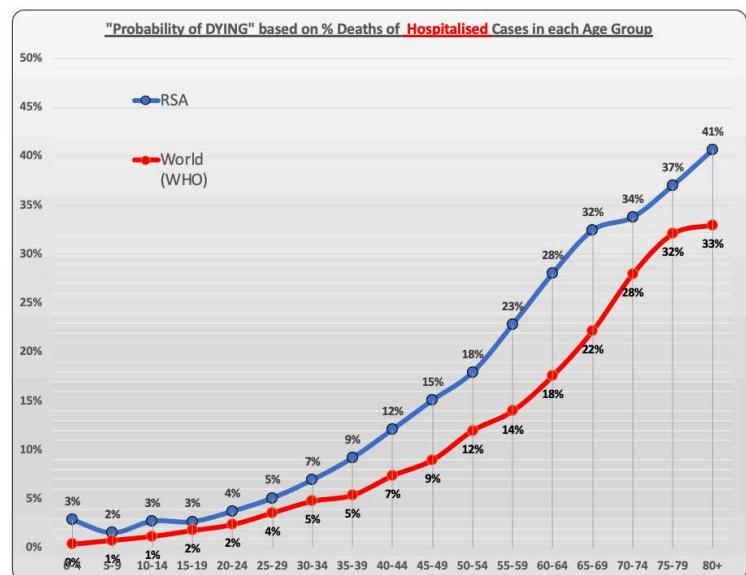
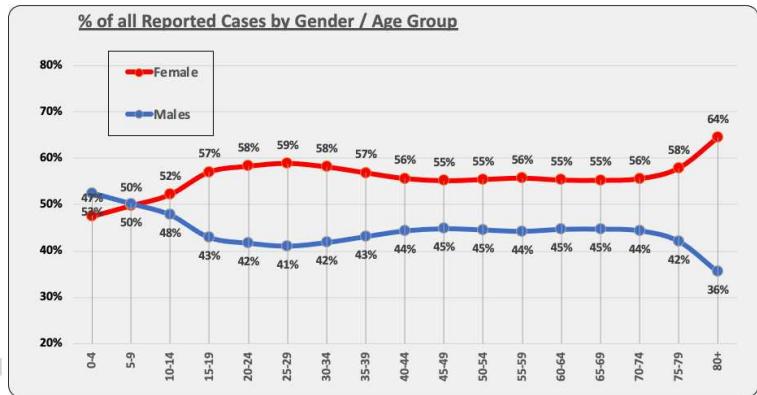
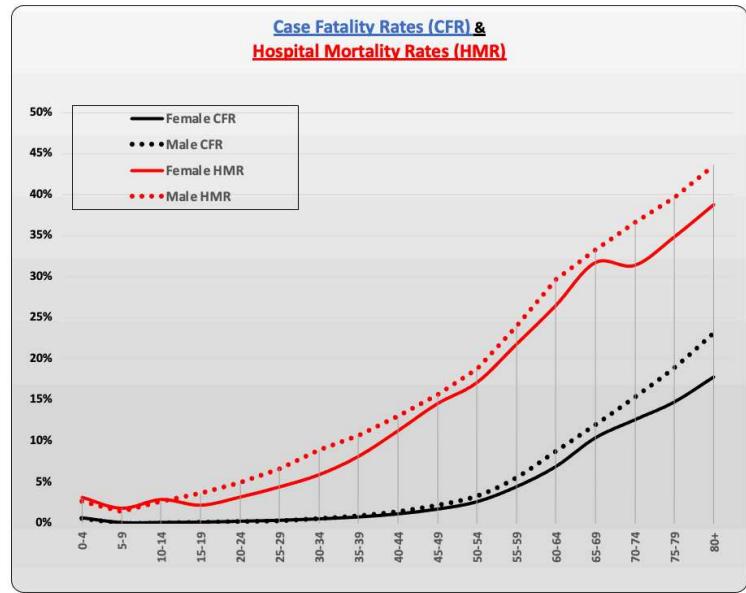
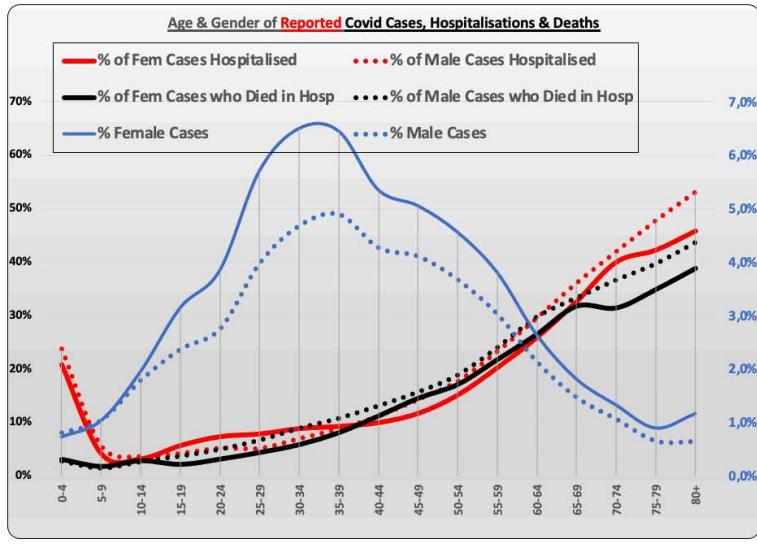
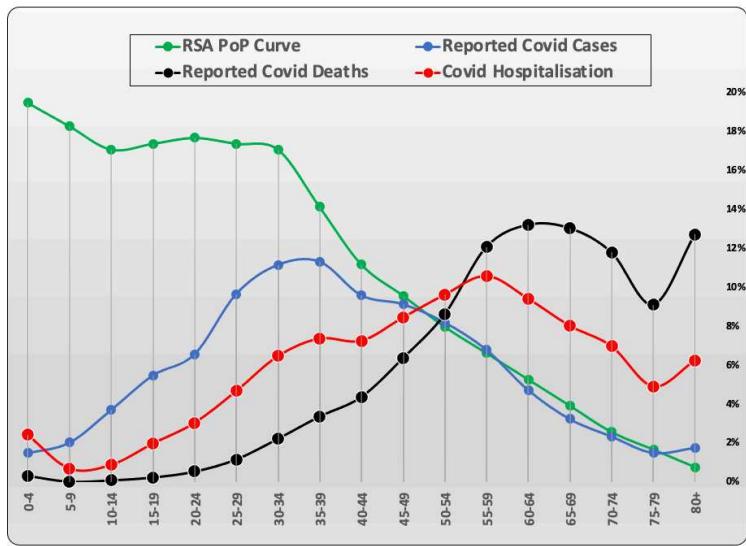


RSA Daily Covid Cases In Hospital v Vaxxing : Mch 2020 to end Mch 2022 (actual not MA)



RSA Age & Gender Stats

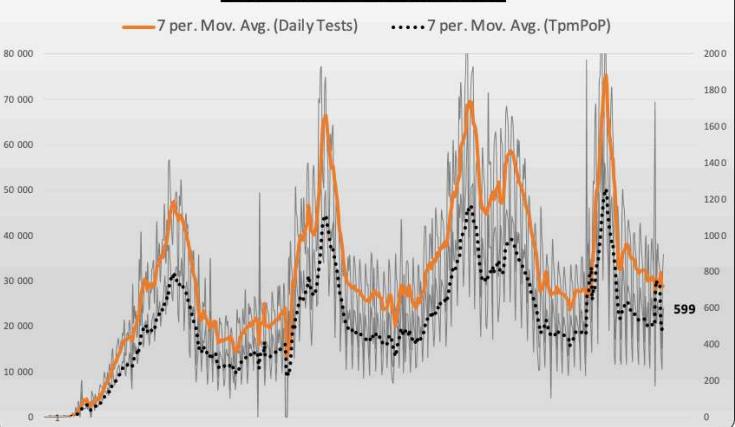
Page 6



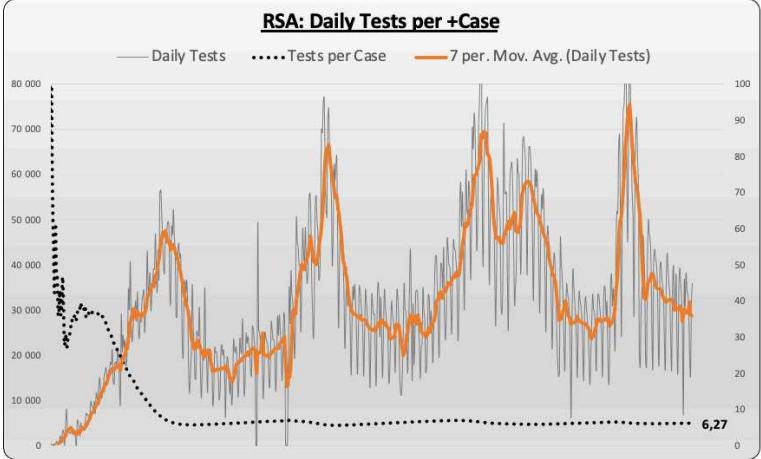
Data as at: 22 February 2022

hdg 24 February 2022

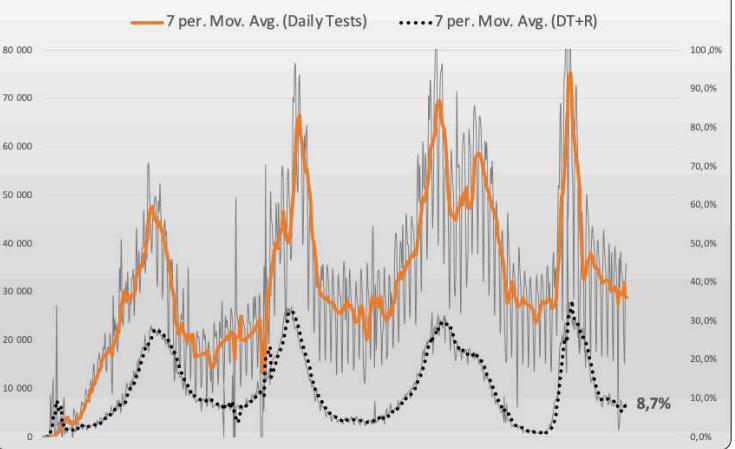
RSA: Daily Tests per million PoP



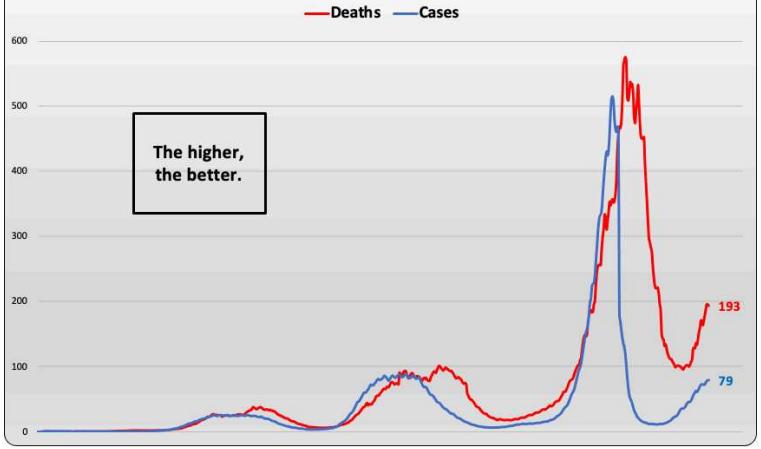
RSA: Daily Tests per +Case



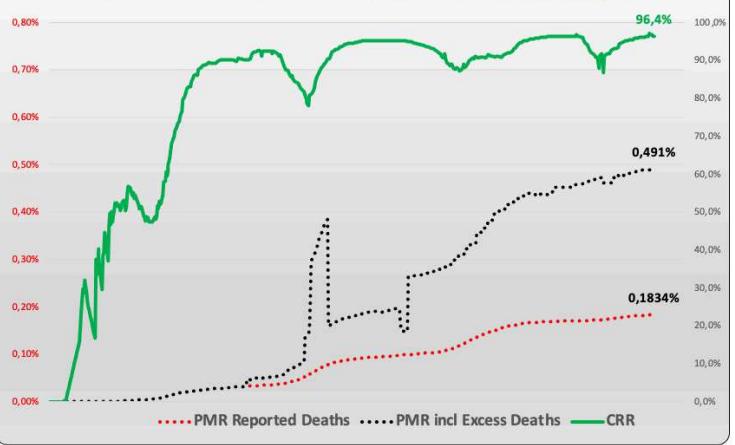
RSA: Daily Tests Positivity %



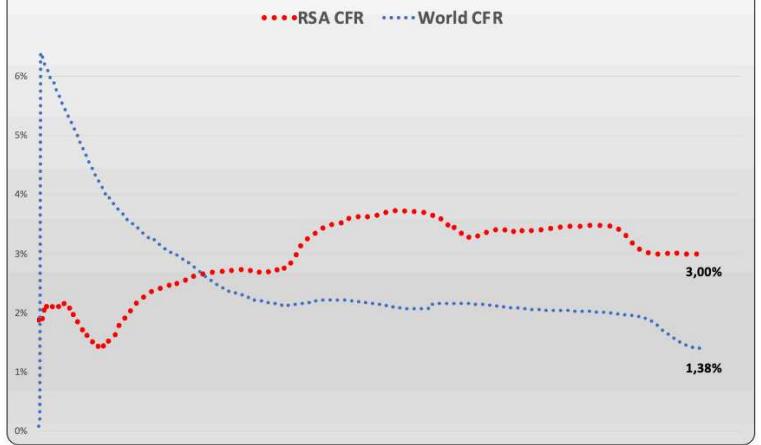
RSA Doubling Times in Days



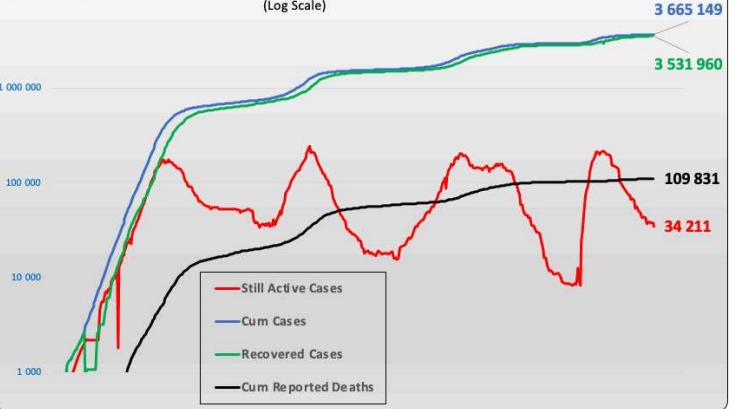
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



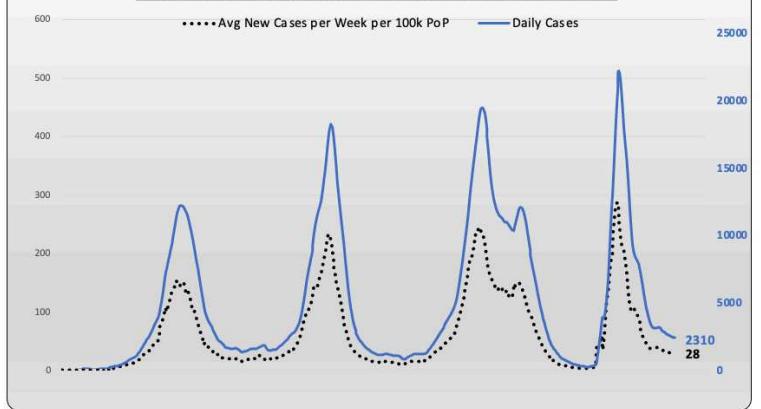
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Reported Cases v Still Active Cases v Recovered v Deaths

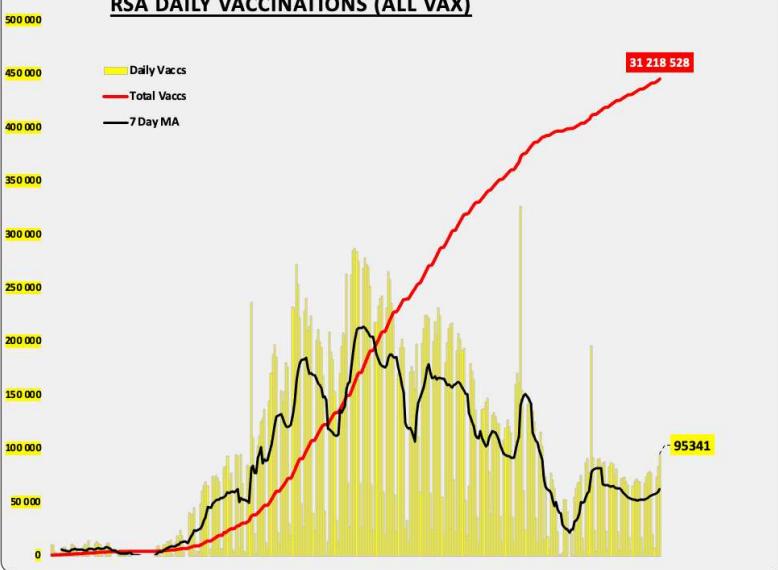


RSA: Avg New Reported Cases per week per 100k PoP



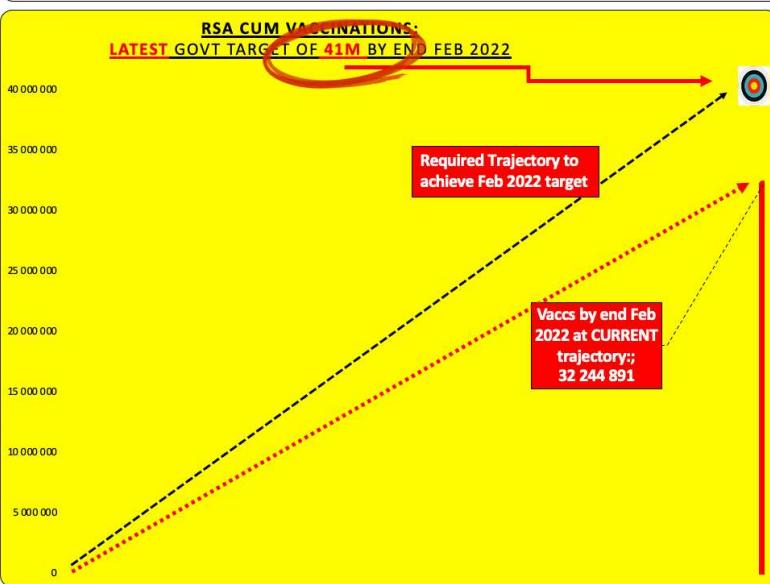
Vaccination Data

RSA DAILY VACCINATIONS (ALL VAX)



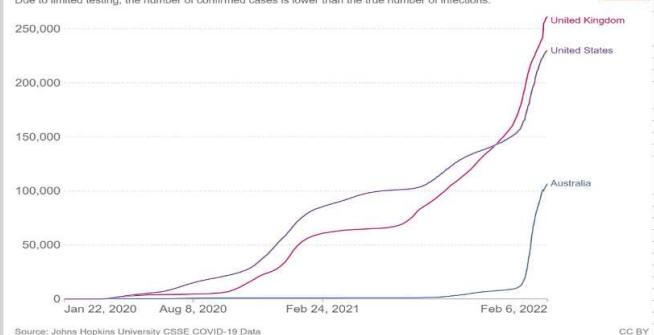
RSA CUM VACCINATIONS:

LATEST GOVT TARGET OF 41M BY END FEB 2022

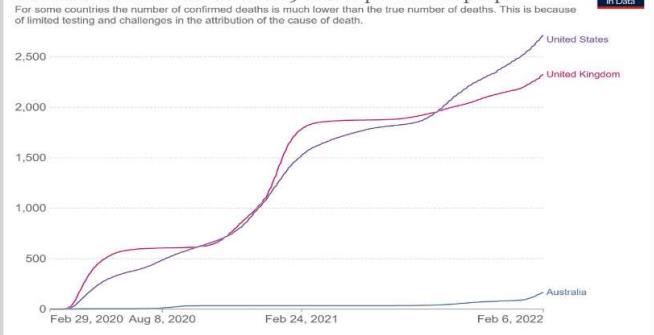


Vaccine Efficacy

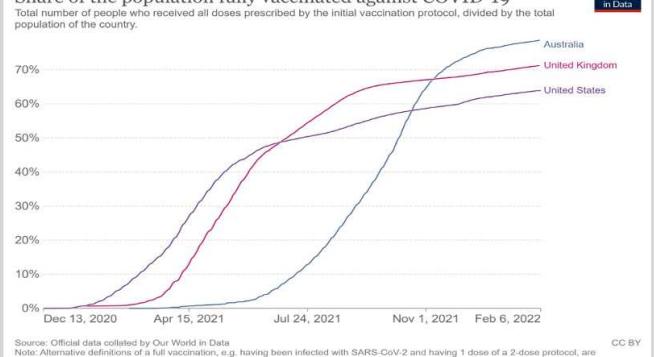
Cumulative confirmed COVID-19 cases per million people



Cumulative confirmed COVID-19 deaths per million people

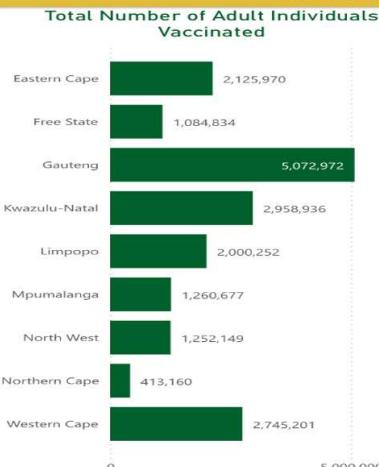


Share of the population fully vaccinated against COVID-19



Total Number of Adult Individuals Vaccinated (2)

18,914,151



Individuals Vaccinated as a % of the Adult Population (3)

47.53%

Individuals Vaccinated as a % of the Adult Population

Province	Total Number of Adult Individuals Vaccinated	Total Adult Population [18 Years & Older]	Individuals Vaccinated as a % of the Adult Population
Eastern Cape	2,125,970	4,099,543	51.86%
Free State	1,084,834	1,914,521	56.66%
Gauteng	5,072,972	11,311,326	44.85%
Kwazulu-Natal	2,958,936	7,219,795	40.98%
Limpopo	2,000,252	3,695,801	54.12%
Mpumalanga	1,260,677	3,039,520	41.48%
North West	1,252,149	2,693,247	46.49%
Northern Cape	413,160	847,545	48.75%
Western Cape	2,745,201	4,976,903	55.16%
Total	18,914,151	39,798,201	47.53%

Age Group	Total Number of Individual Adults Vaccinated	Total Adult Population [18 Years & Older]	Individuals Vaccinated as a % of the Adult Population
18-34	6,081,065	17,788,511	34.19%
35-49	6,032,485	11,686,937	51.62%
50-59	3,067,673	4,817,271	63.68%
60+	3,729,344	5,505,482	67.74%
Unidentified	3,584	0	0.00%
Total	18,914,151	39,798,201	47.53%

Definitions:

- (1) Total Adult Population [18 Years and Older] Source: StatsSA Mid-Year population estimates 2020
- (2) Total Number of Individuals Vaccinated: One dose J&J(single dose regimen) or Pfizer(two dose regimen) first dose administered
- (3) Individuals Vaccinated as a % of the Population: Total Number of Individuals Vaccinated(2) / Total Adult Population [18 Years and Older](1)

VIEW FULLY VACCINATED



Data as at:

23 February 2022

Unless otherwise indicated

hdg 24 February 2022

Some food for thought.....



SHENEMAN THE STAR-LEDGER

