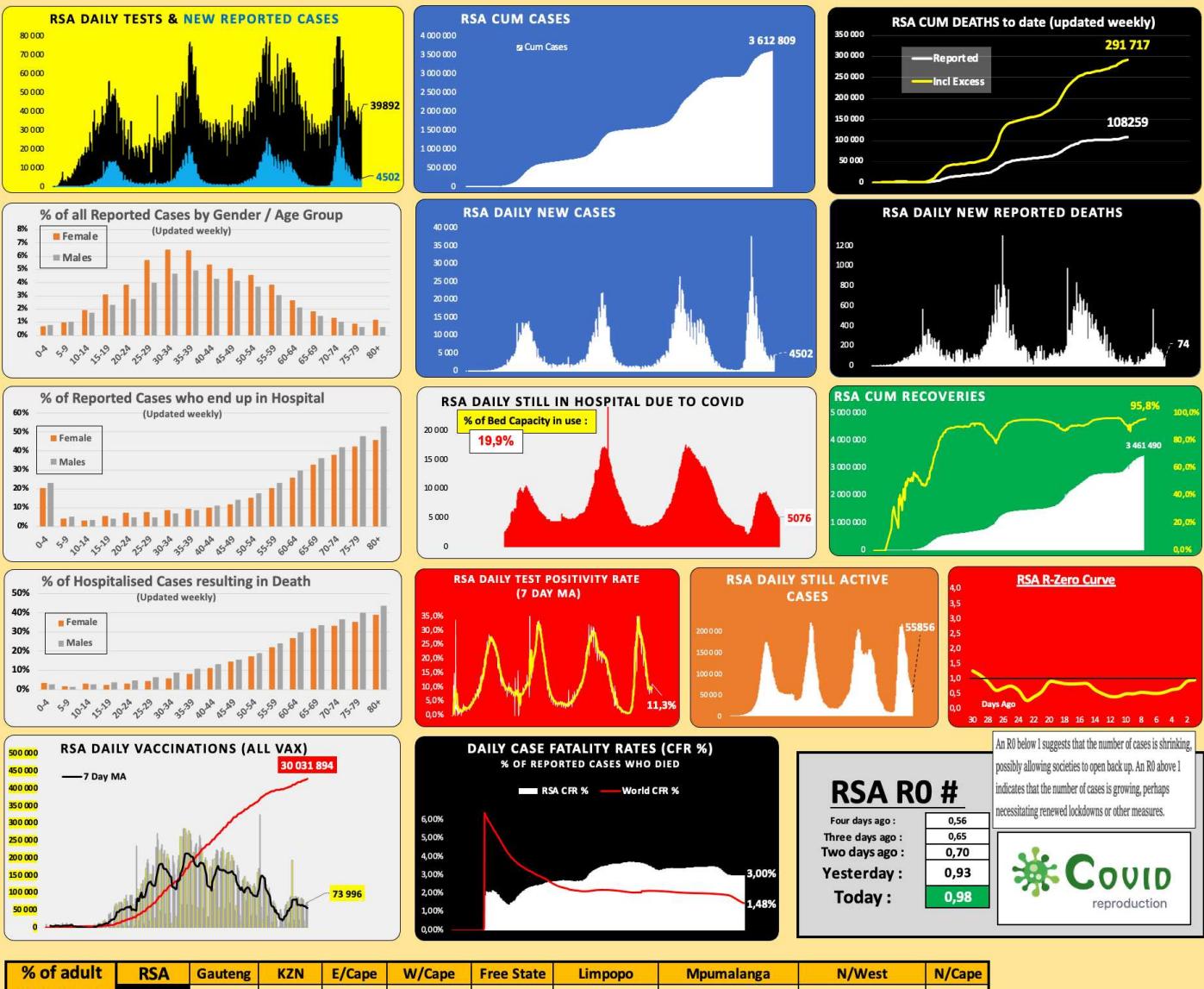


HarryG COVID-19 StatsPack

Page 1

| Cum Cases | | | | Daily Cases | | RSA COVID-19 DASHBOARD as at: 03-Feb-22 | Daily Still in Hospital | Case Fatality Rates (CFR): Reported Cases Hospital Cases | | Vaccinations: | Time to achieve Govt Target of 41m vaxcs | | |
|---------------------|----------------------|--------|-------------------|-------------------------------|-------|--|-----------------------------|--|-------|---------------|---|--------|--|
| 3 612 809 | 4 502 | | | 5076 | 3,00% | 20,21% | Daily Avg | 87 302 | 1,27 | Yrs | | | |
| Still Active +Cases | Cum Cases p mill PoP | | Deaths p mill PoP | | | | 7 Day MA Vaxcs per day | 57 938 | 1,91 | Yrs | | | |
| 55 856 | 60 336 | 1812 | | | | | Total to date: | 30 031 894 | | | | | |
| Deaths Ages | Avg | Median | Deaths Min Age | Deaths Max Age | | | Cum Tests | Daily Tests | | | | | |
| 62,2 | 58,8 | 0,2 | 108 | | | | 22 343 478 | 39 892 | | | | | |
| Female : | | | | Cases Deaths CFR Hospitalised | | | Daily Test Positivity Rate: | | 11,3% | | | | |
| Male : | 56,4% | 51,5% | 2,55% | 55,3% | | | | | | | | | |
| | 43,6% | 48,5% | 3,11% | 44,7% | | | | | | | | | |
| | | | | | | | | | | | | 02-Feb | |



| % of adult PoP FULLY VAXXED: | RSA | Gauteng | KZN | E/Cape | W/Cape | Free State | Limpopo | Mpumalanga | N/West | N/Cape |
|------------------------------|-------|---------|-------|--------|--------|------------|---------|------------|--------|------------------|
| 41,5% | 38,1% | 35,2% | 45,5% | 48,5% | 50,3% | 48,3% | 37,0% | 42,0% | 43,9% | (Updated weekly) |

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

Data as at: 02 February 2022

Unless otherwise indicated

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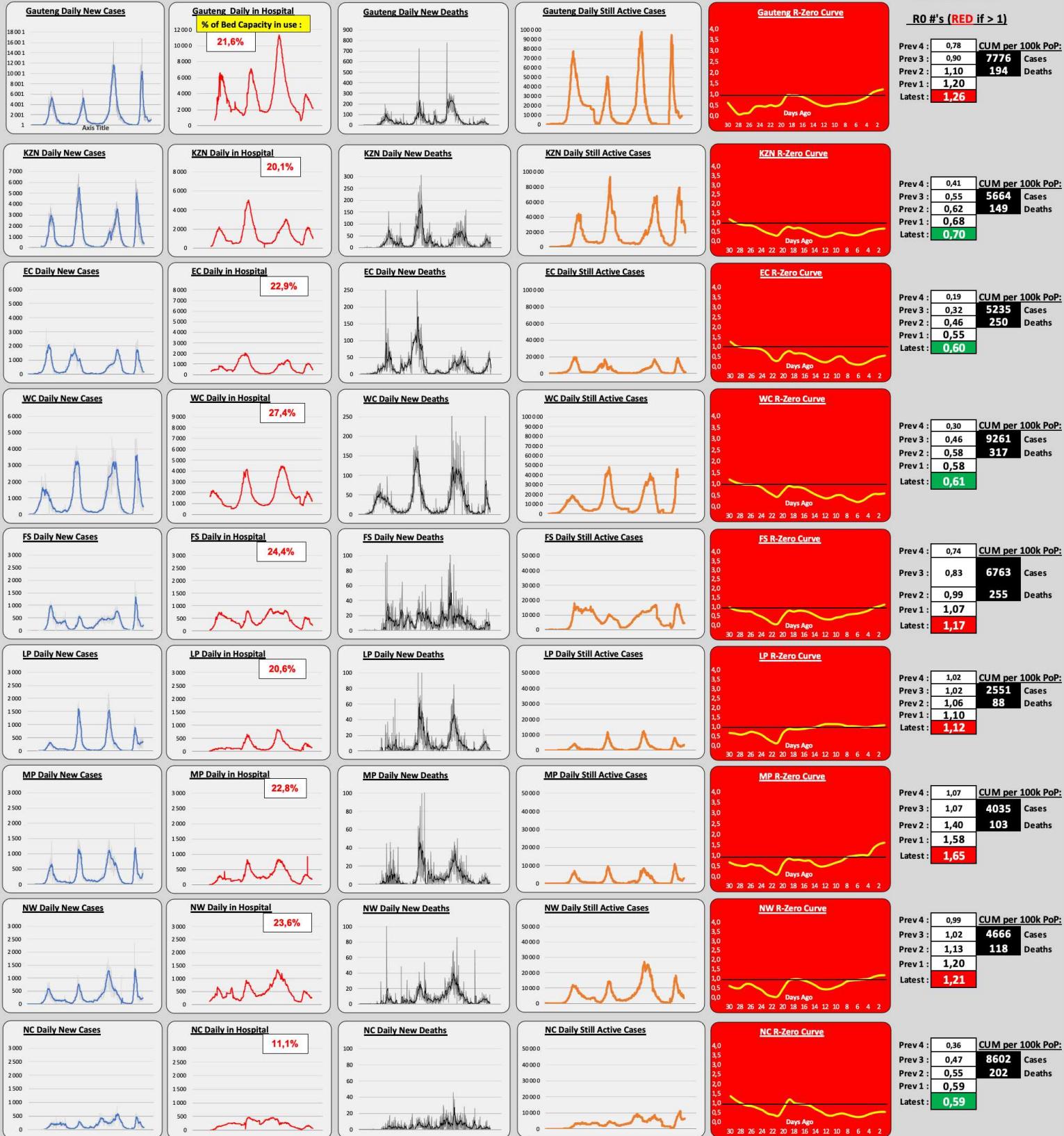
03 February 2022

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

Latest Provincial

RO #'s (RED if > 1)

| | | |
|----------|------|-------------------|
| Prev 4 : | 0,78 | CUM per 100k PoP: |
| Prev 3 : | 0,90 | 7776 Cases |
| Prev 2 : | 1,10 | 194 Deaths |
| Prev 1 : | 1,20 | |
| Latest : | 1,26 | |



Data as at: 02 February 2022

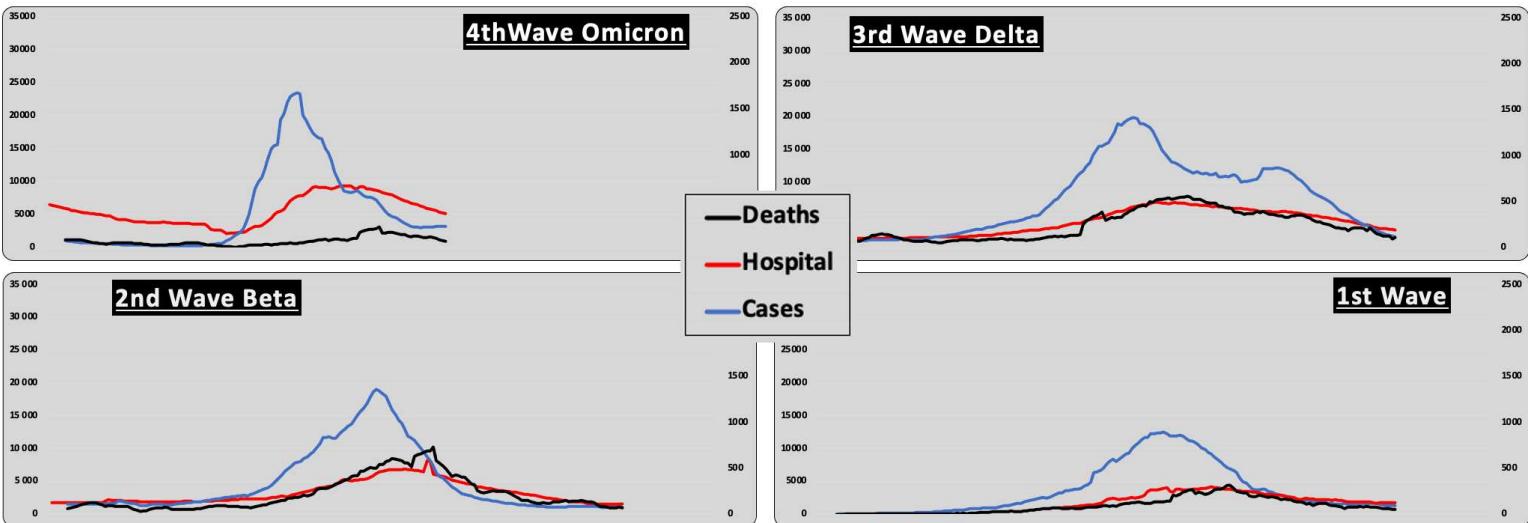
Unless otherwise indicated

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03 February 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)

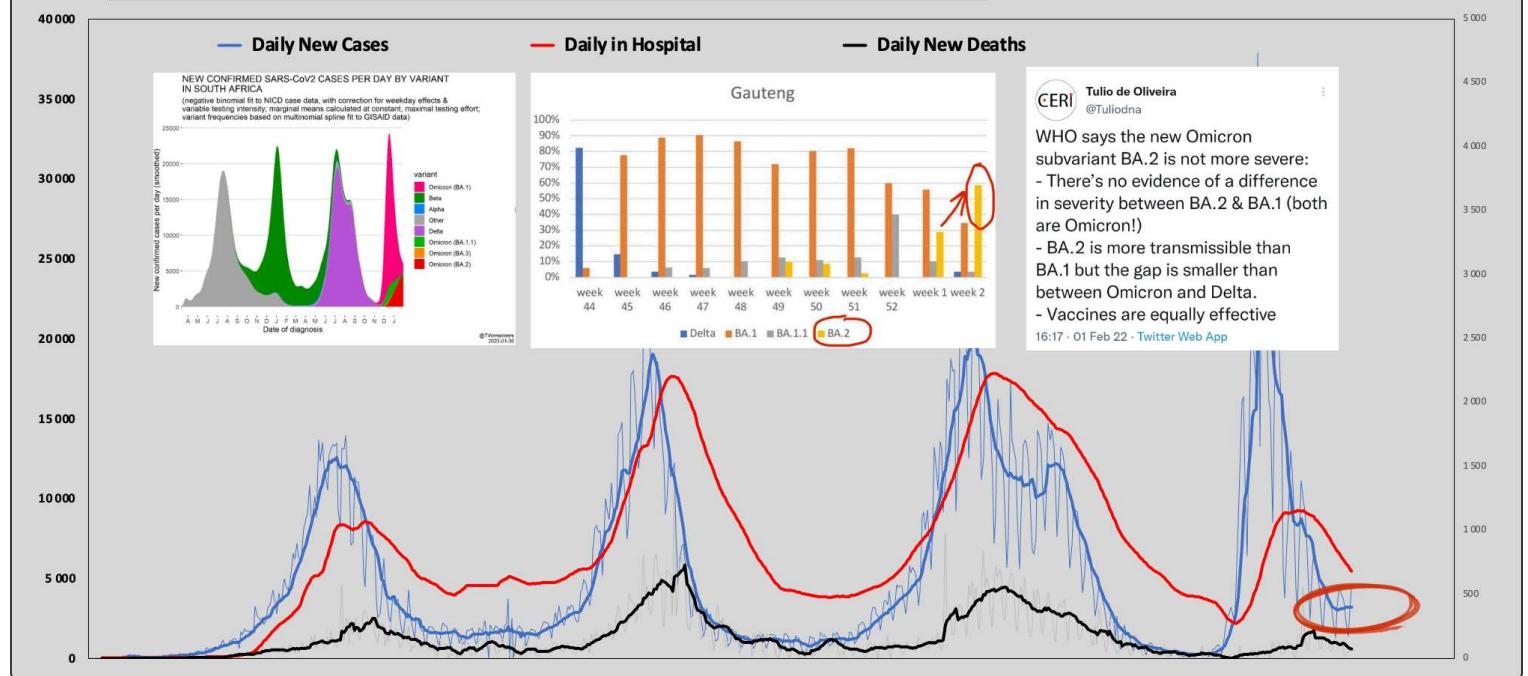


Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

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

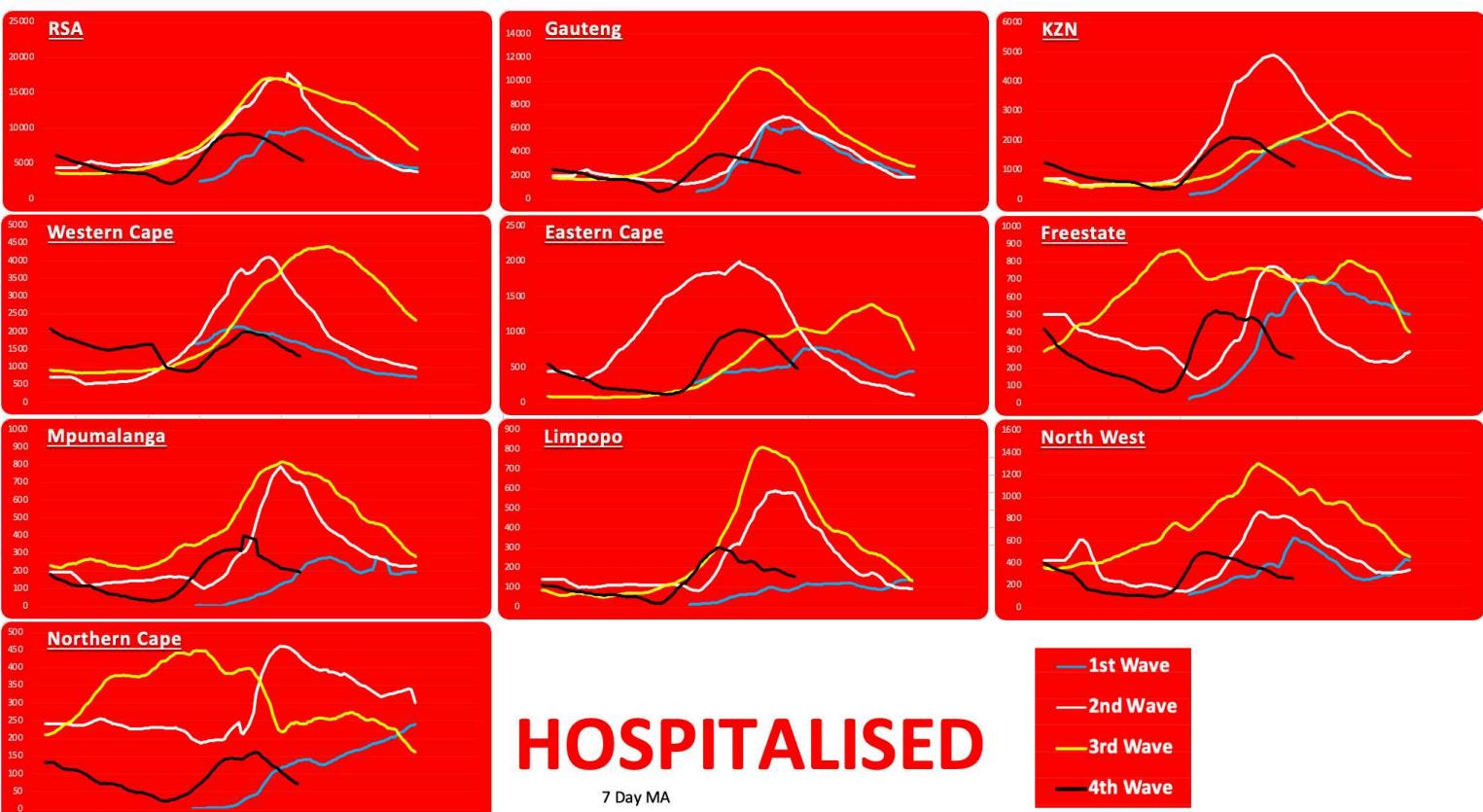
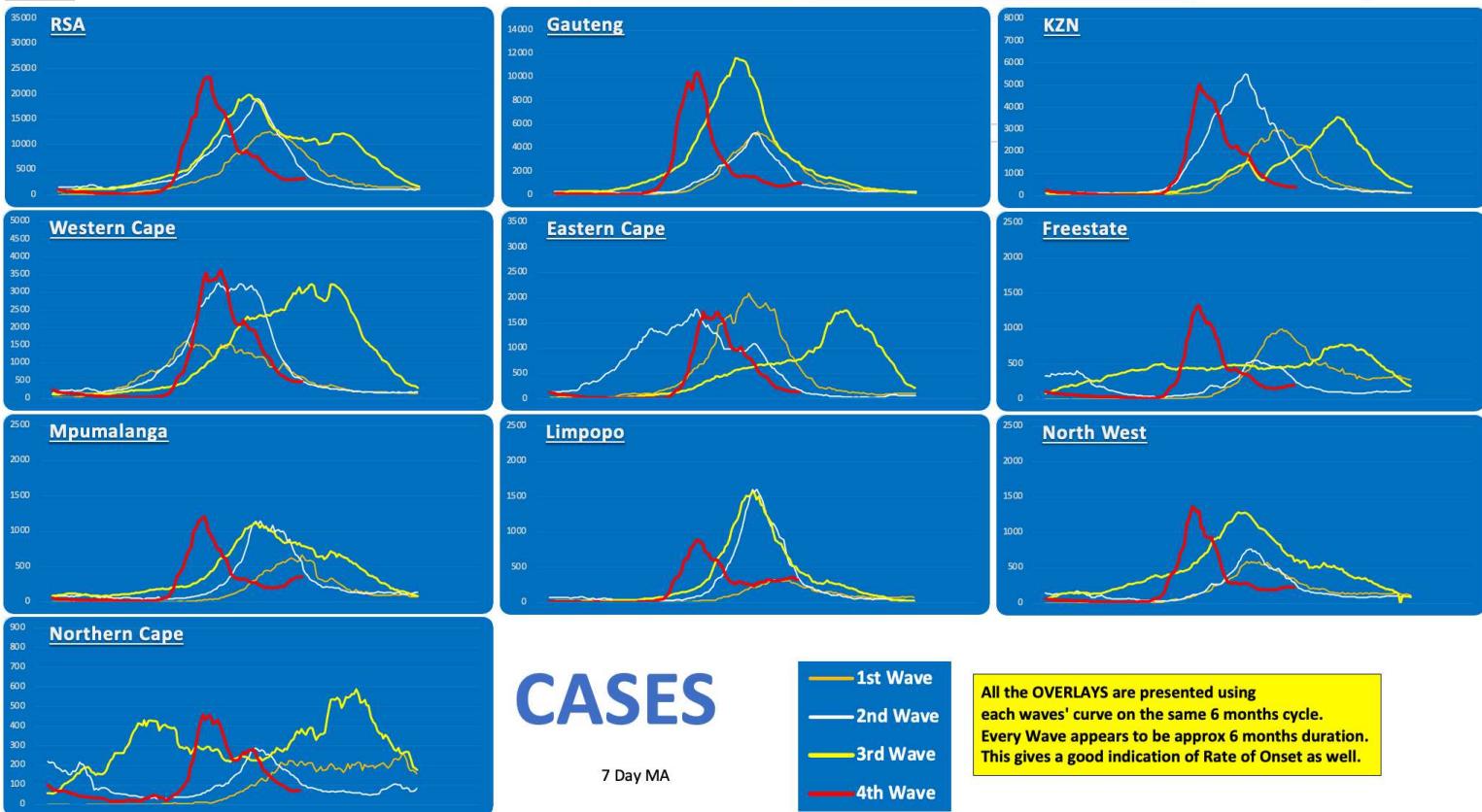
RSA Reported Daily Cases v Hospitalisations v Daily Deaths (7 Day MA note the dual axes)



| | | | | | | | | | | | | | | | |
|---------|---------|----|----------|----|---------|----------|----------|----------|----|----|---------|---------|----|---------|----------|
| 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- |
|---------|---------|----|----------|----|---------|----------|----------|----------|----|----|---------|---------|----|---------|----------|

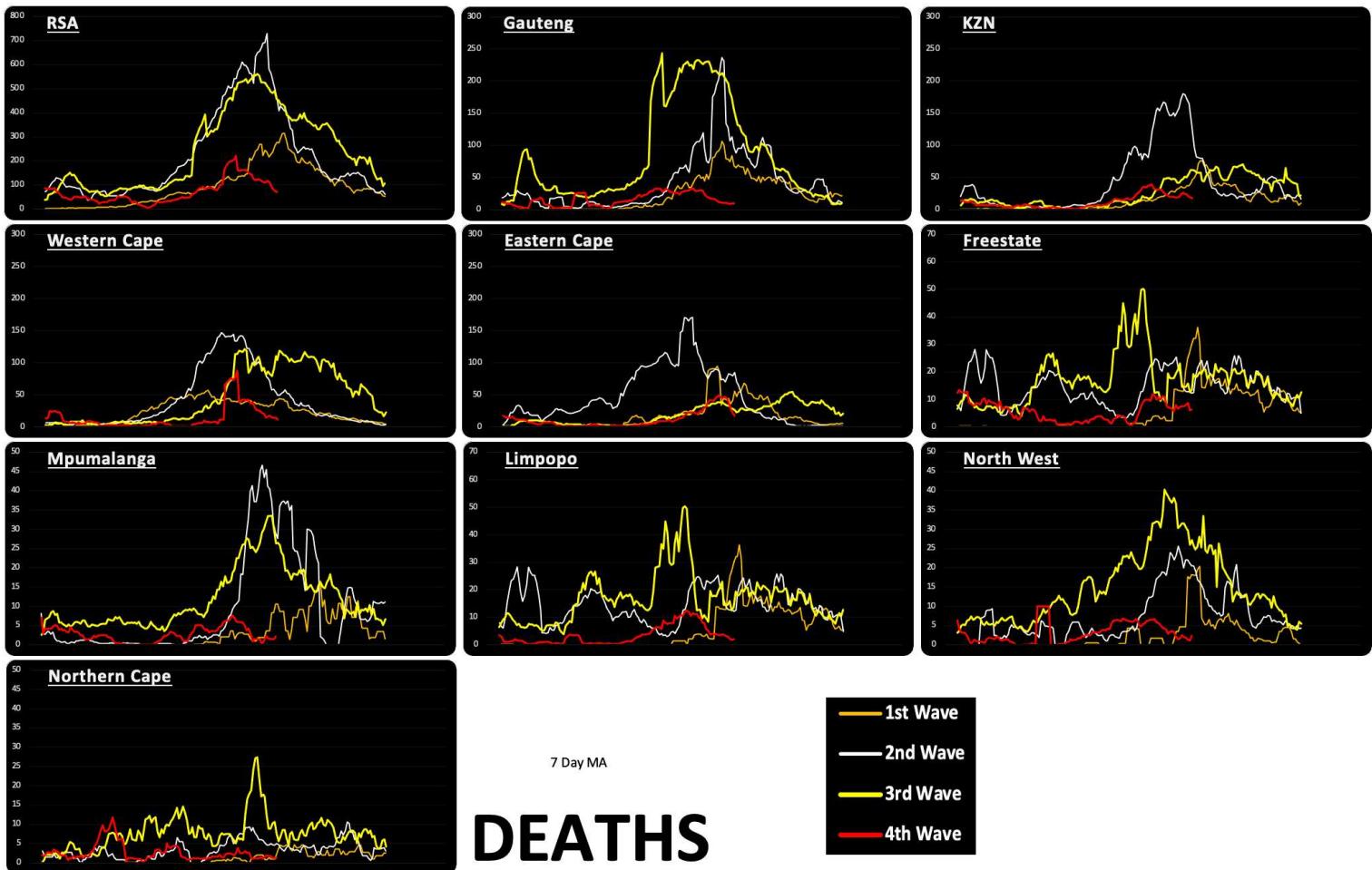
Data as at: 02 February 2022 Unless otherwise indicated

hdg 03 February 2022

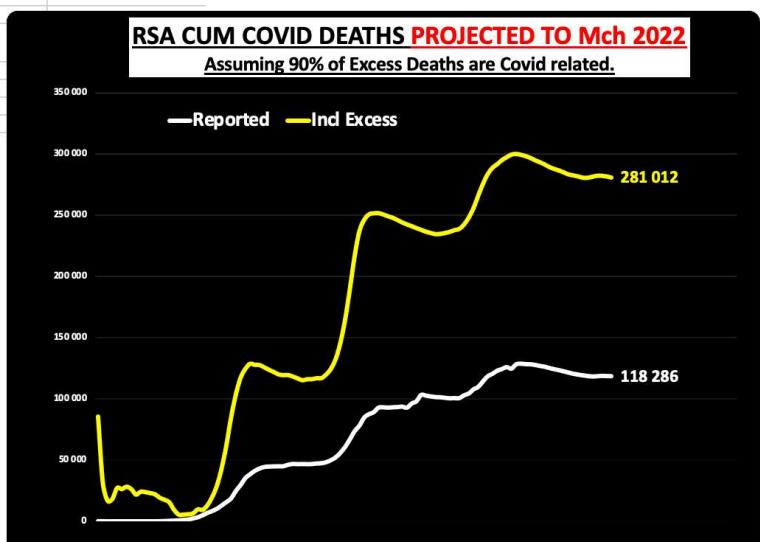
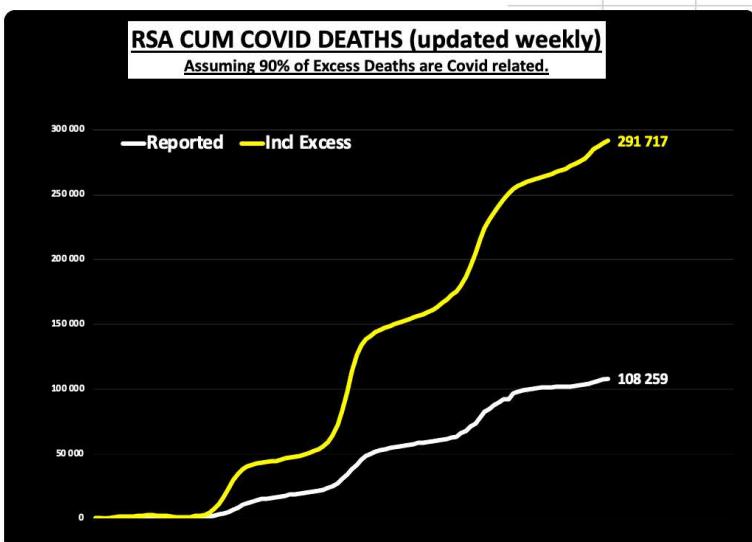


1st / 2nd / 3rd & 4th WAVE OVERLAYS (DAILY DEATHS)

Page 2.2

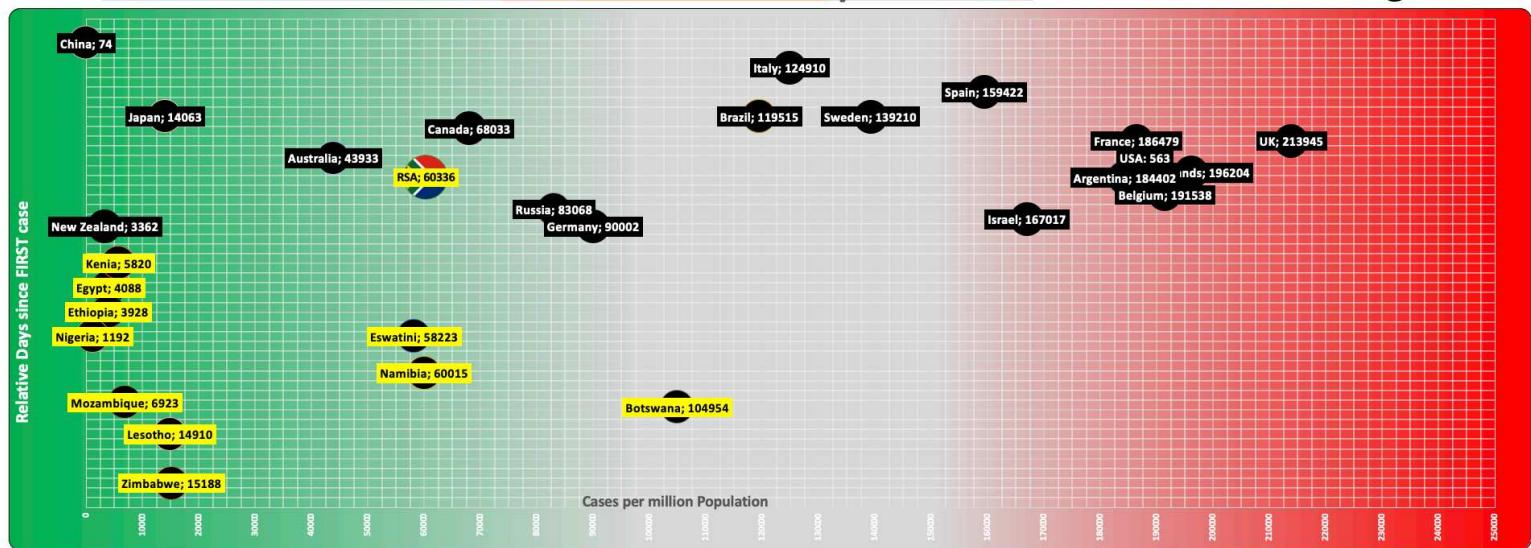


RSA Cum & Projected Deaths (Reported & Incl Excess)

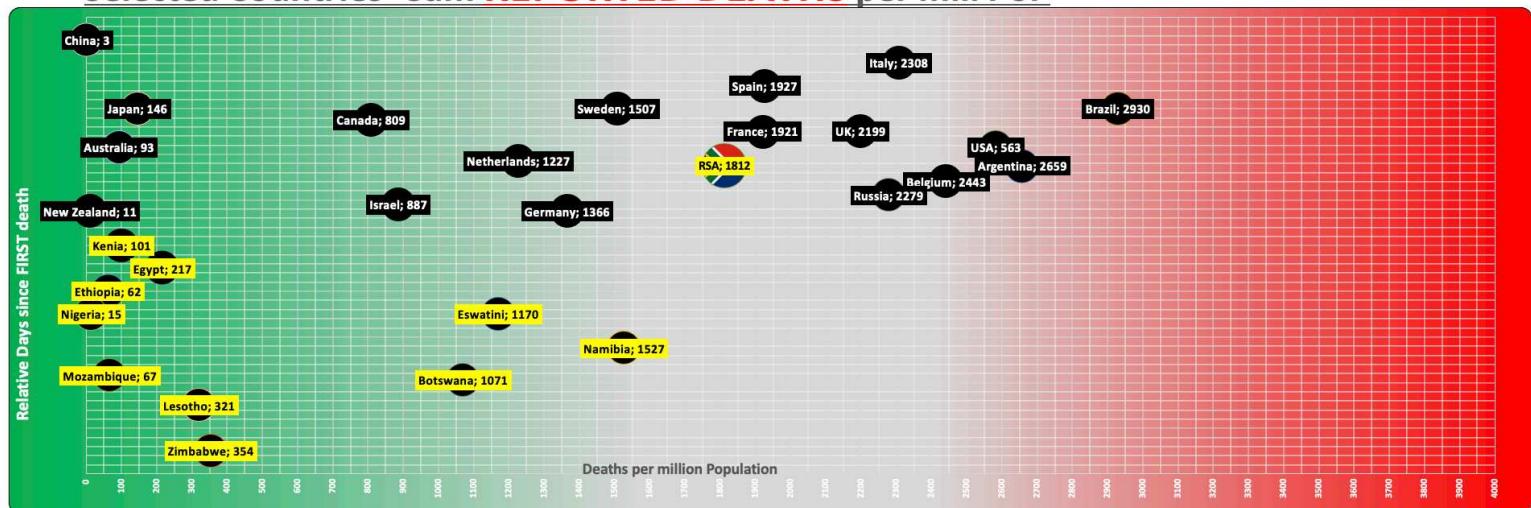


Selected Countries' Cum **REPORTED CASES** per mill PoP

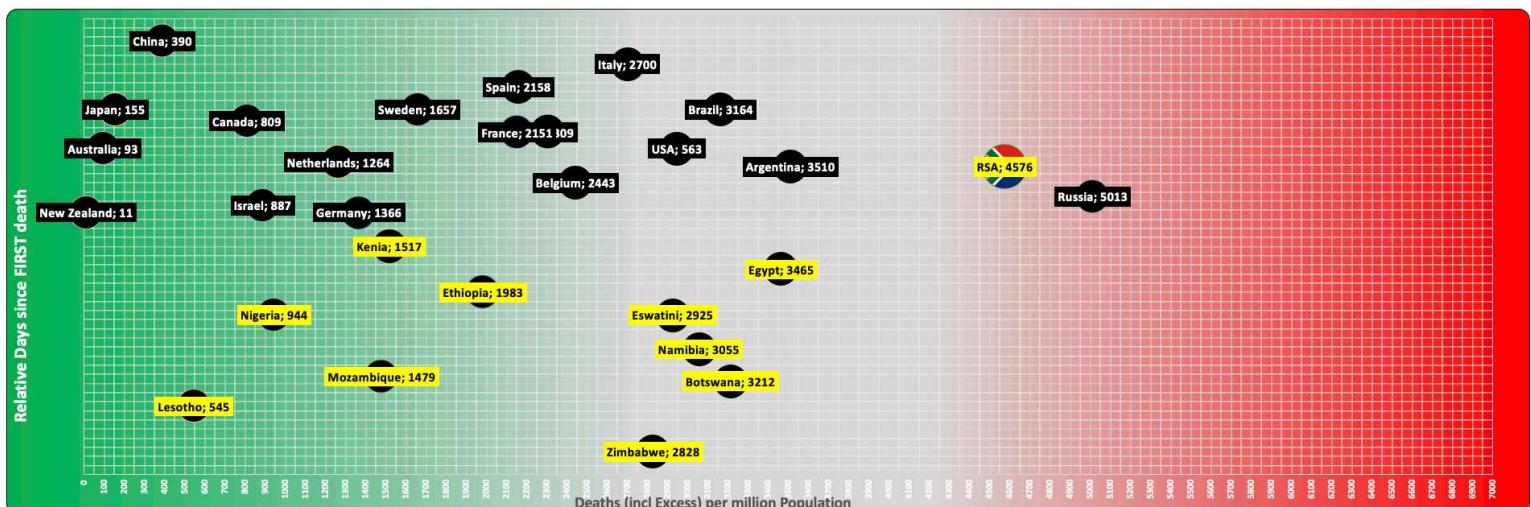
Page 2.3



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



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



Data as at: 02 February 2022

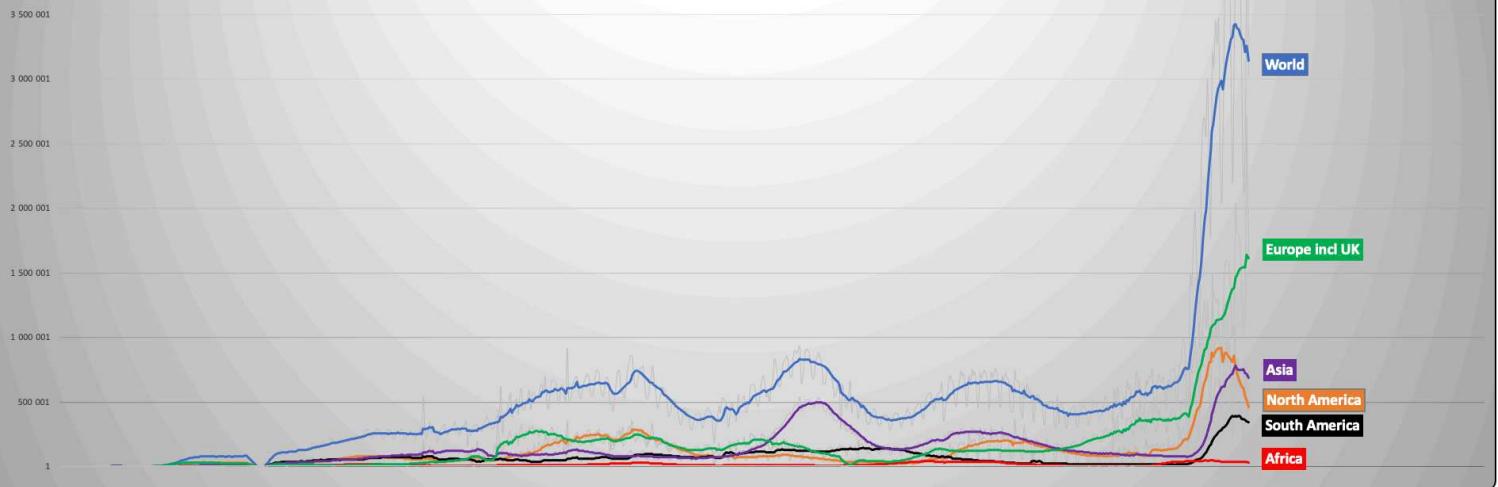
* Excess Deaths %'s as per OurWorldInData & The Economist Magazine

hdg 03 February 2022

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

Page 3.0

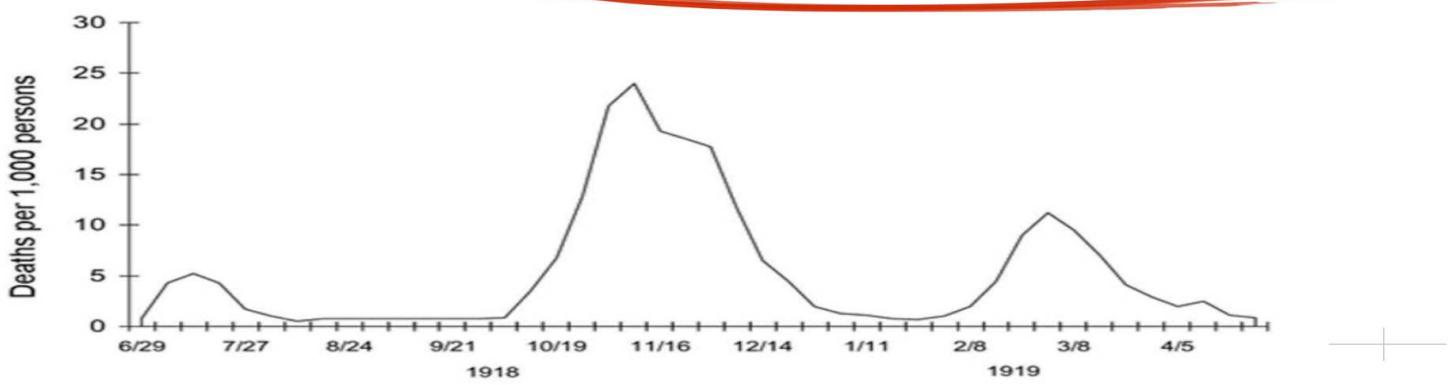
World Regions: 7 Day MA of Daily Cases (Linear Scale)



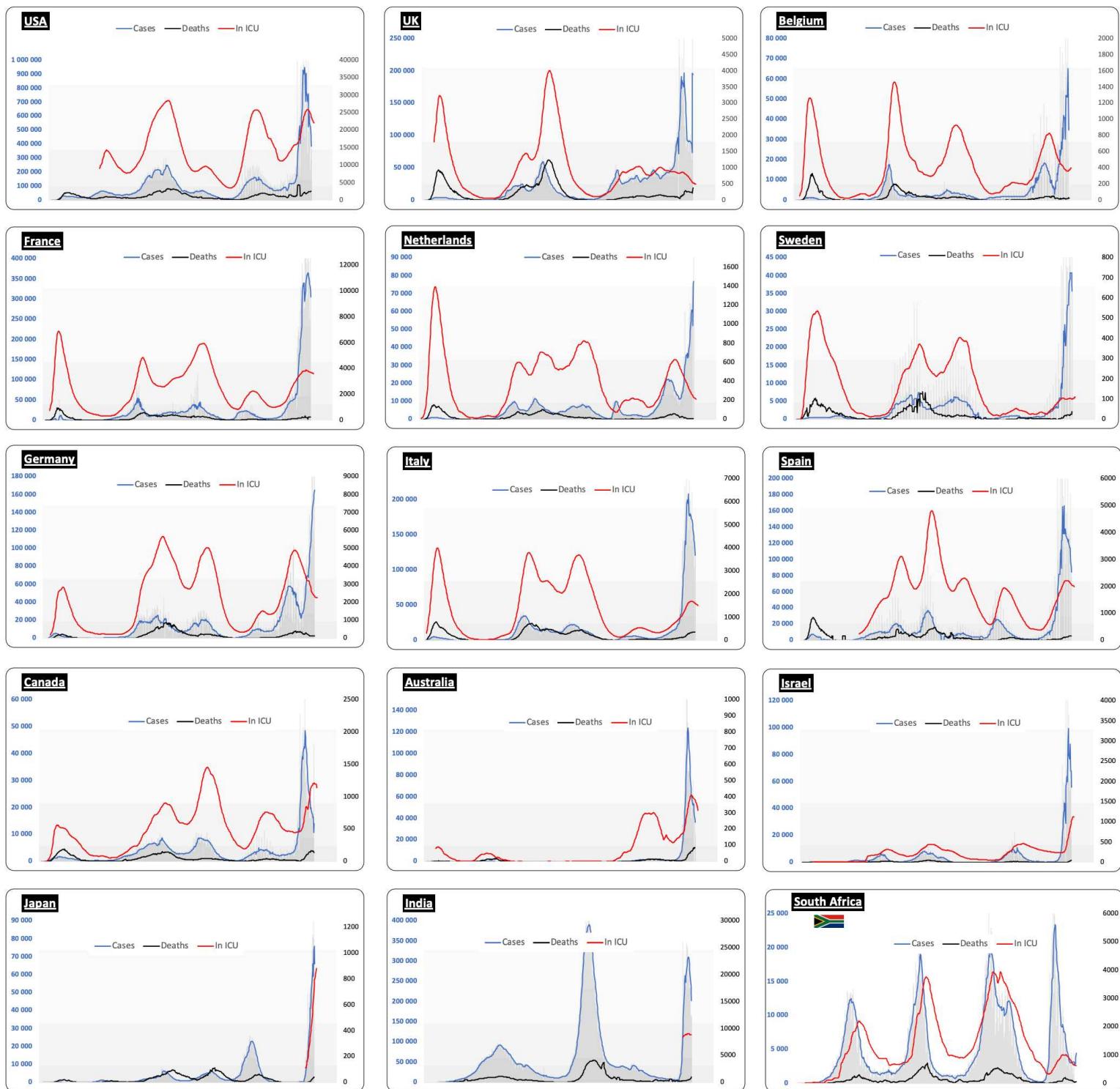
World Regions: 7 Day MA of Reported Daily Deaths (Linear Scale)



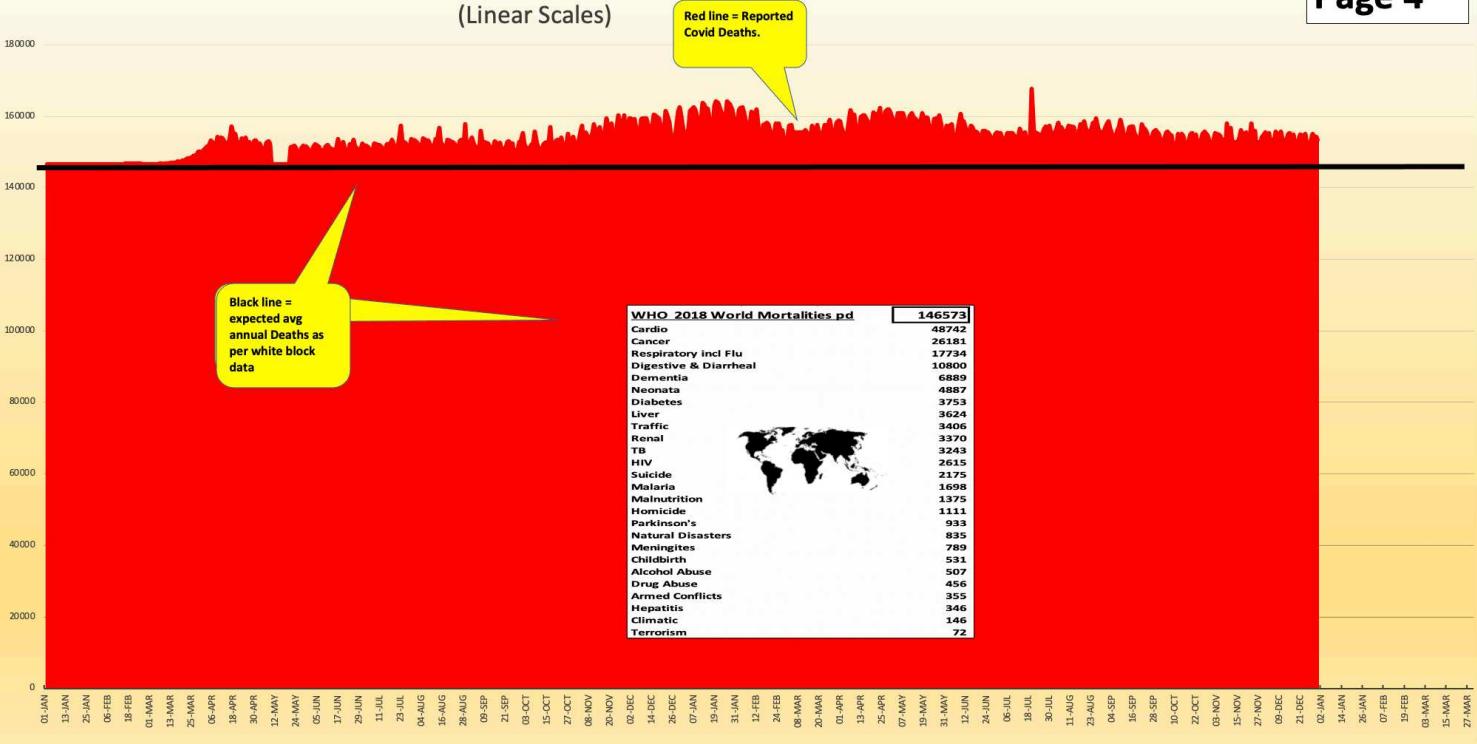
Figure 1. Three Pandemic Waves of the Spanish Flu in the United Kingdom, 1918-20



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



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



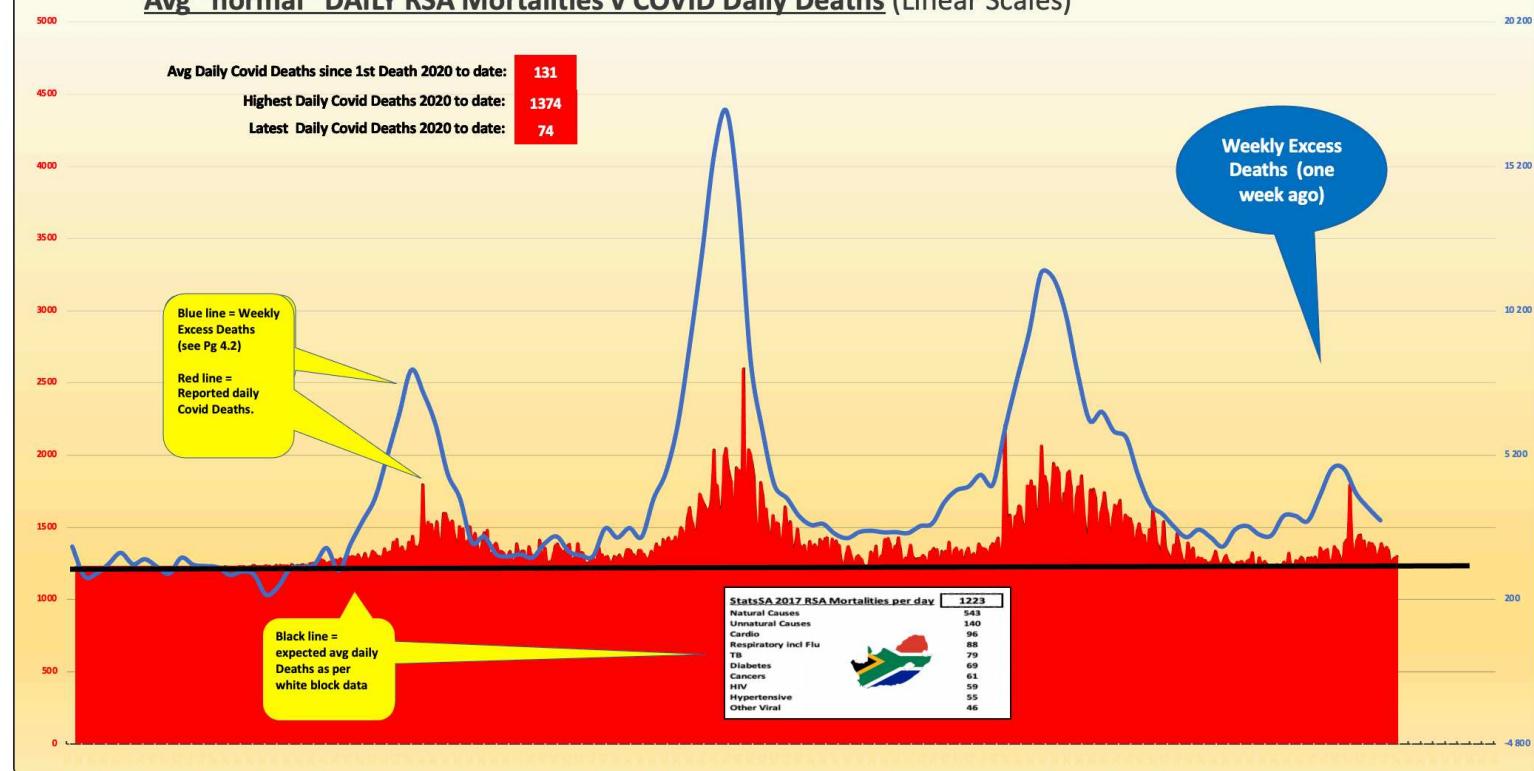
The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

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)



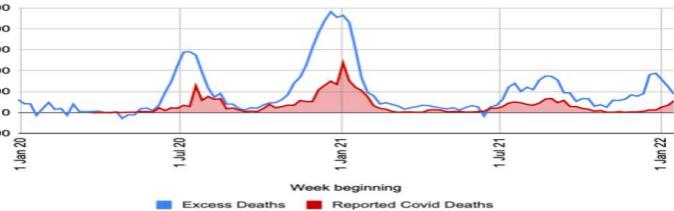
RSA Excess Deaths as per SA Medical Research Council

As at : **29 January 2022**

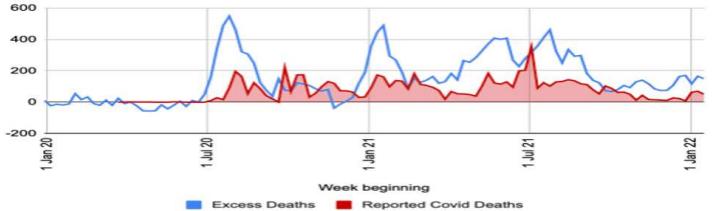
Page 4.1

Provinces

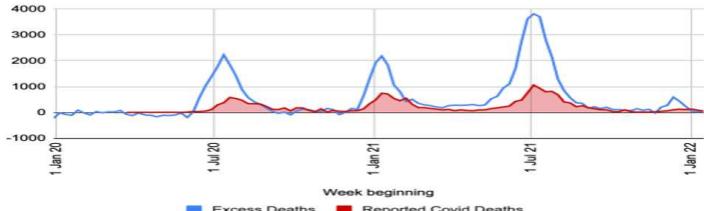
EC (Natural) Excess Deaths and Reported Covid-19 Deaths



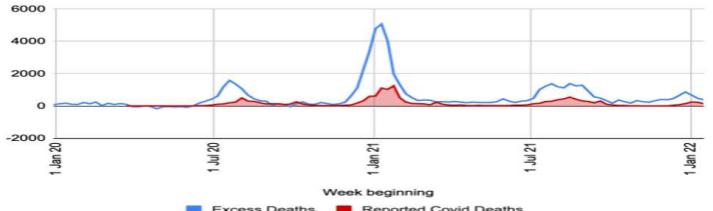
FS (Natural) Excess Deaths and Reported Covid-19 Deaths



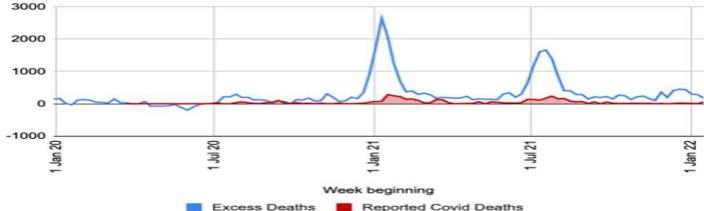
GT (Natural) Excess Deaths and Reported Covid-19 Deaths



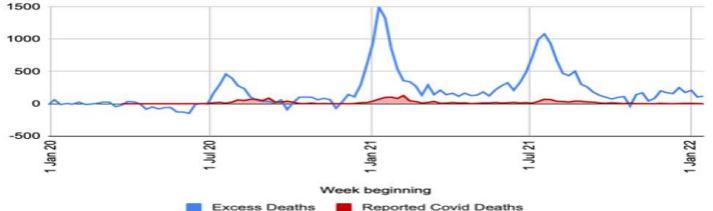
KZ (Natural) Excess Deaths and Reported Covid-19 Deaths



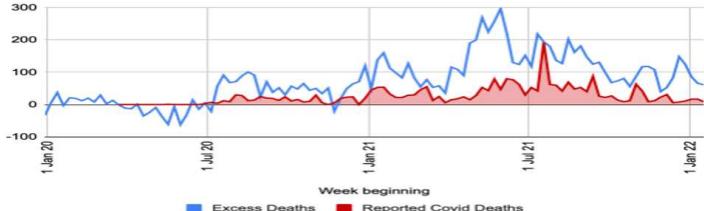
LM (Natural) Excess Deaths and Reported Covid-19 Deaths



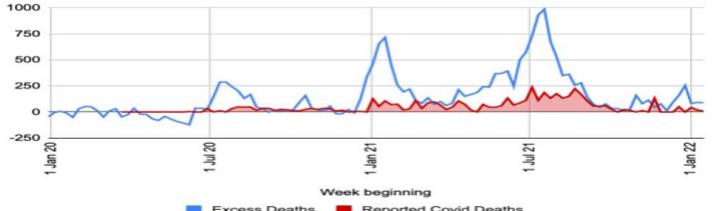
MP (Natural) Excess Deaths and Reported Covid-19 Deaths



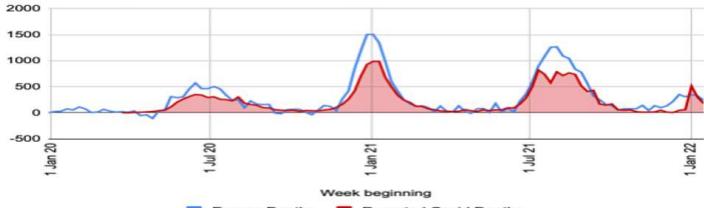
NC (Natural) Excess Deaths and Reported Covid-19 Deaths



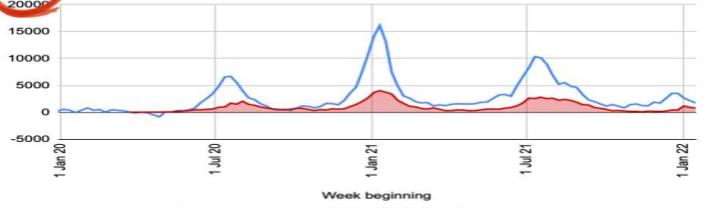
NW (Natural) Excess Deaths and Reported Covid-19 Deaths



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



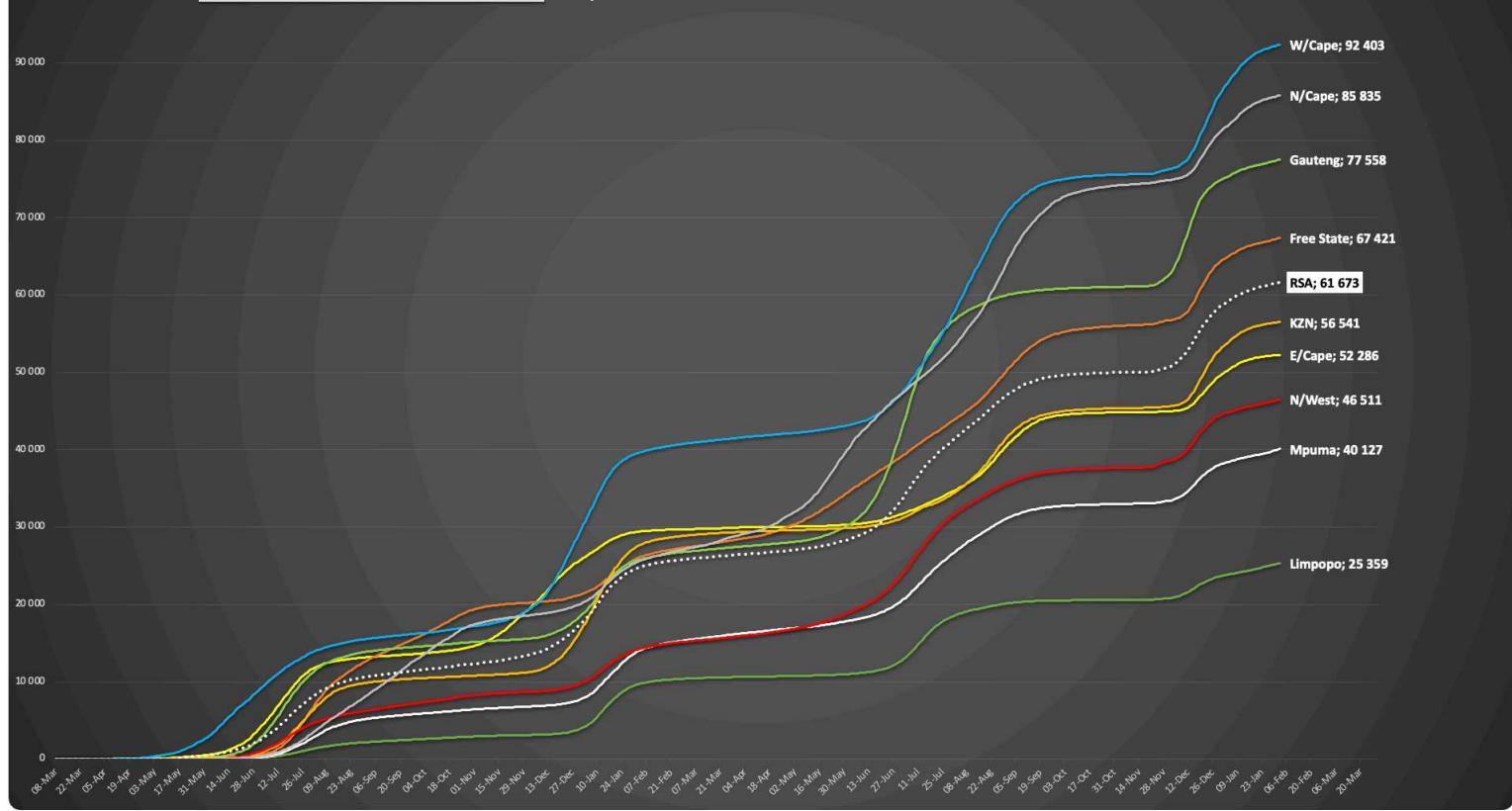
RSA (Natural) Excess Deaths and Reported Covid-19 Deaths



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).

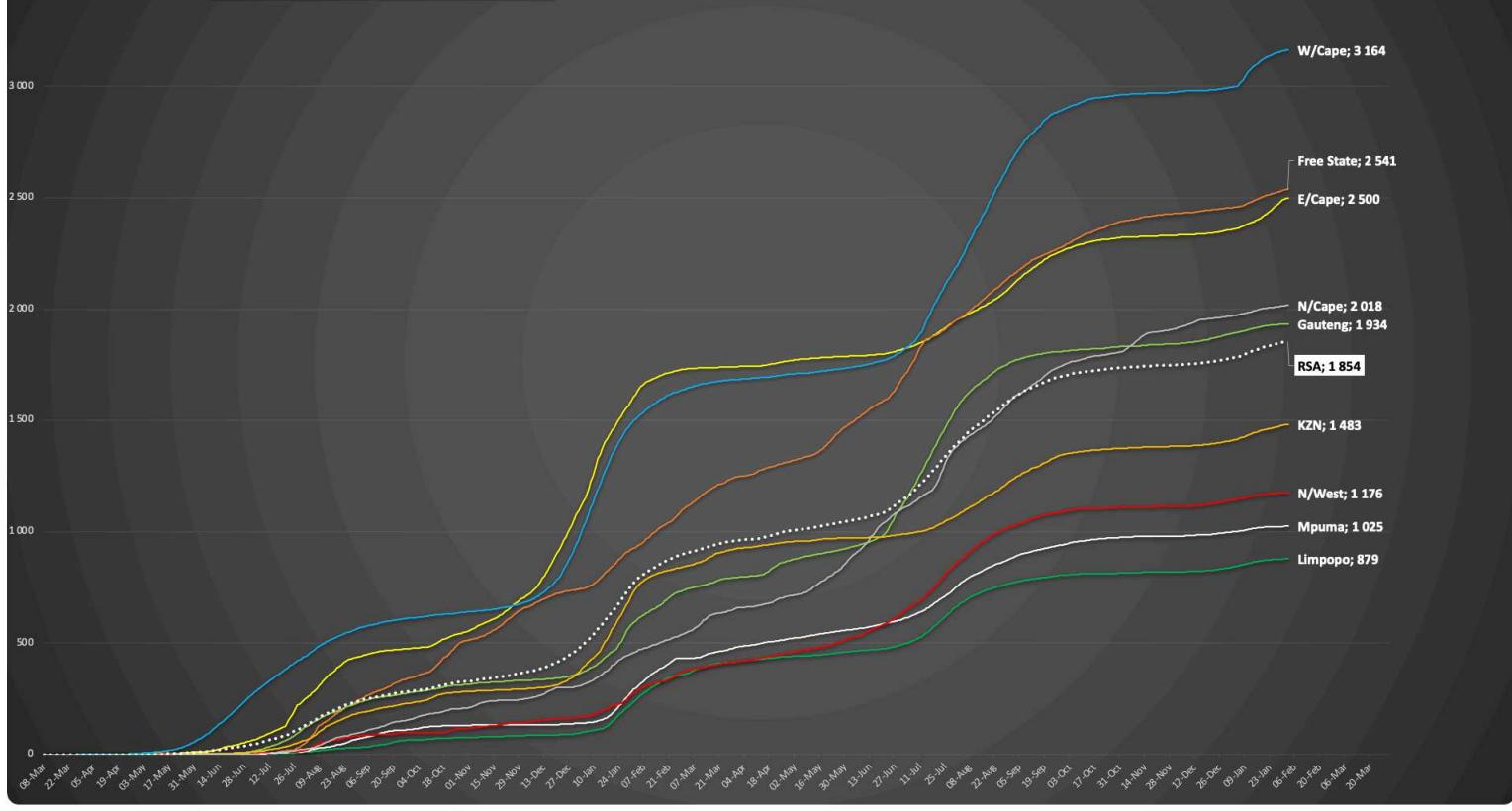
CUM reported Covid CASES per mill PoP

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

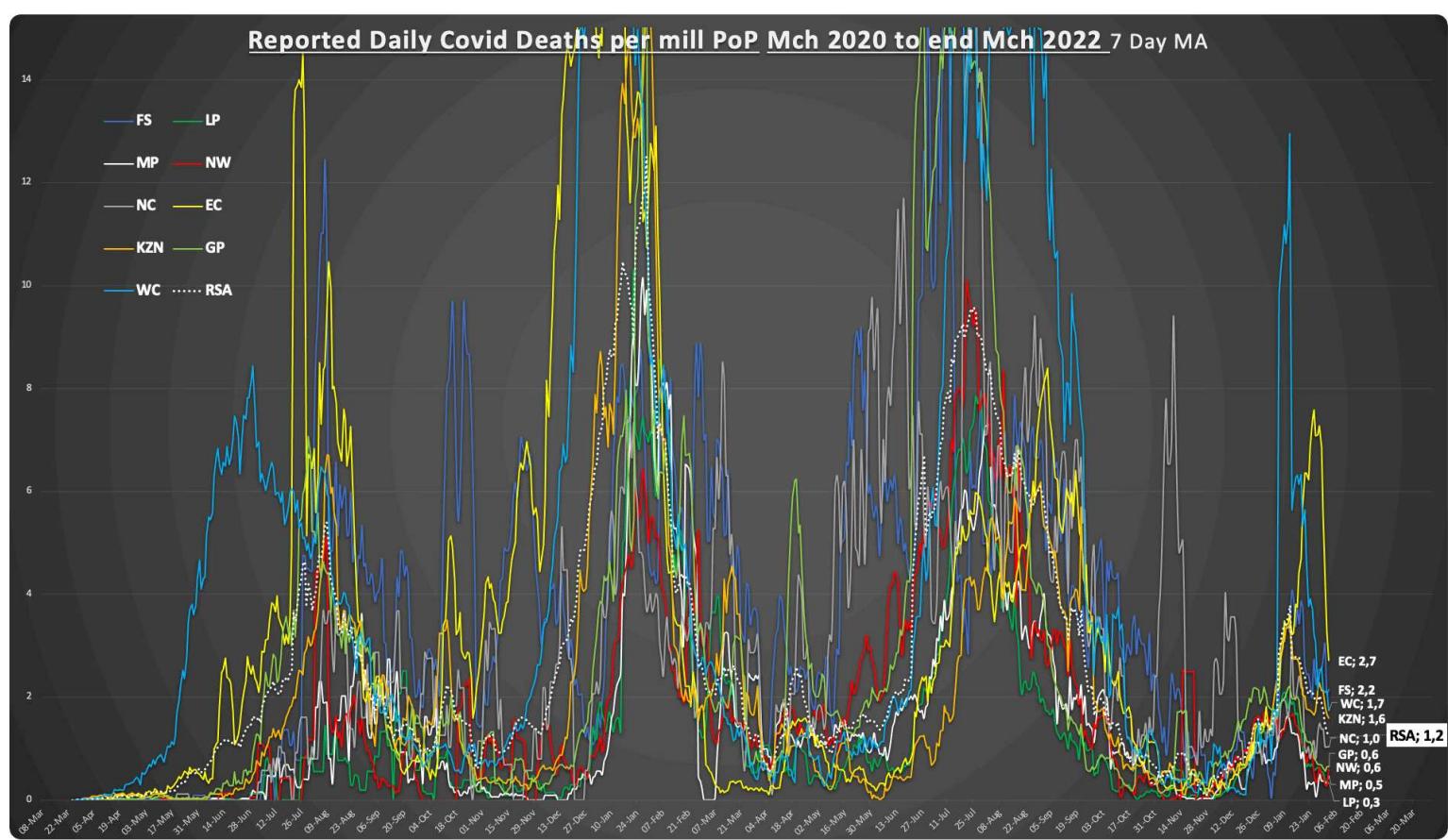
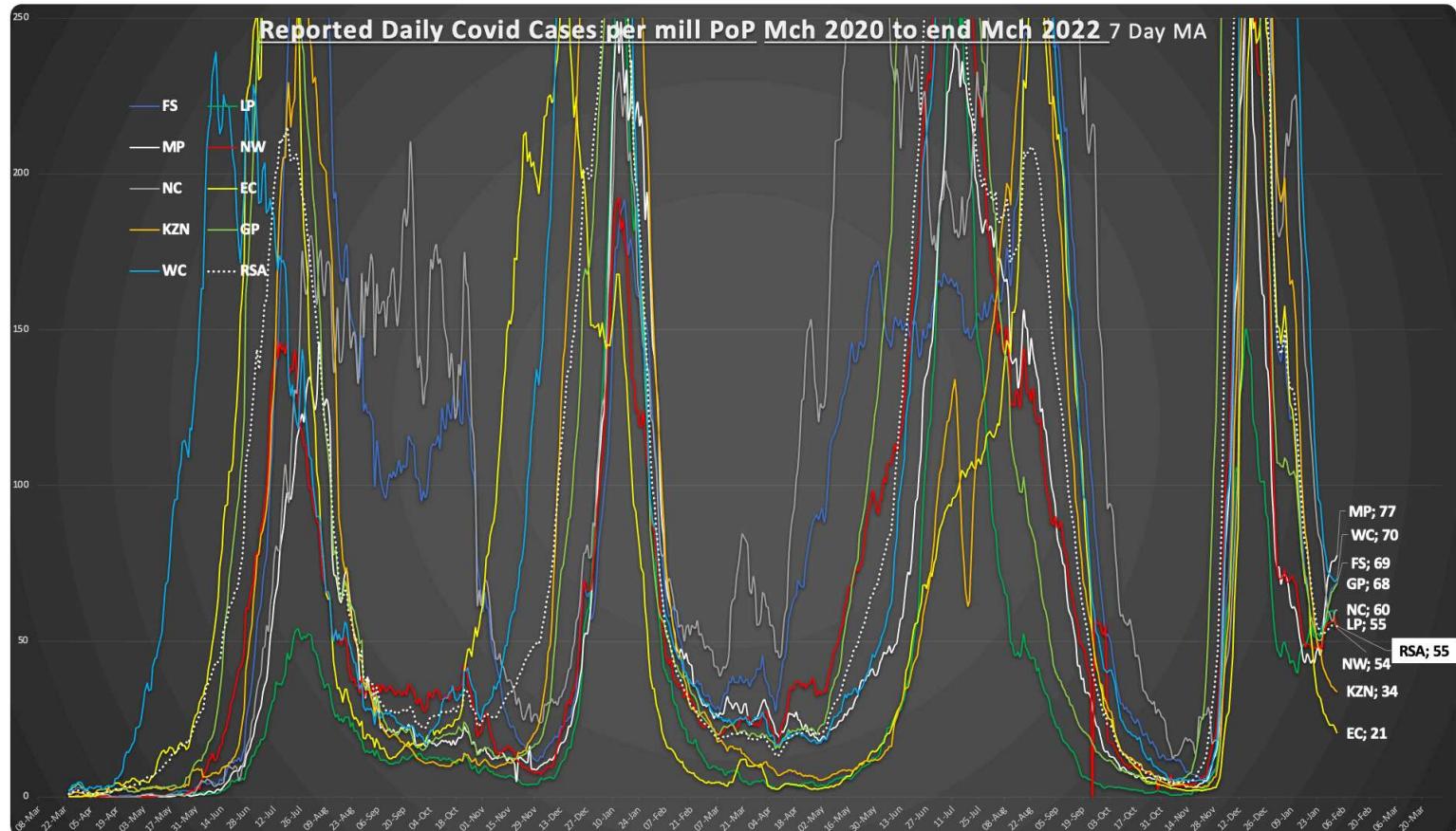


Data as at:

02 February 2022

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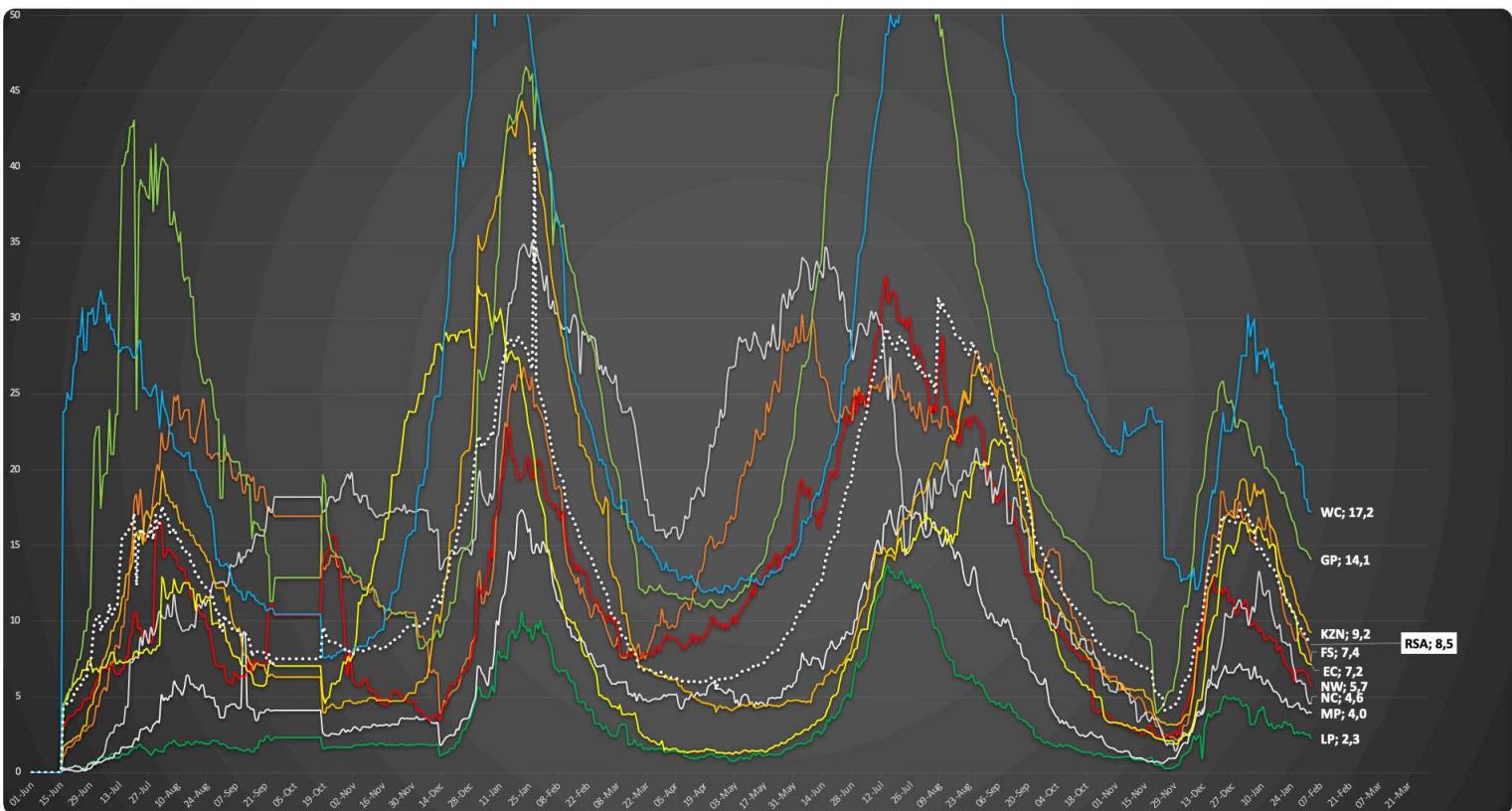
03 February 2022



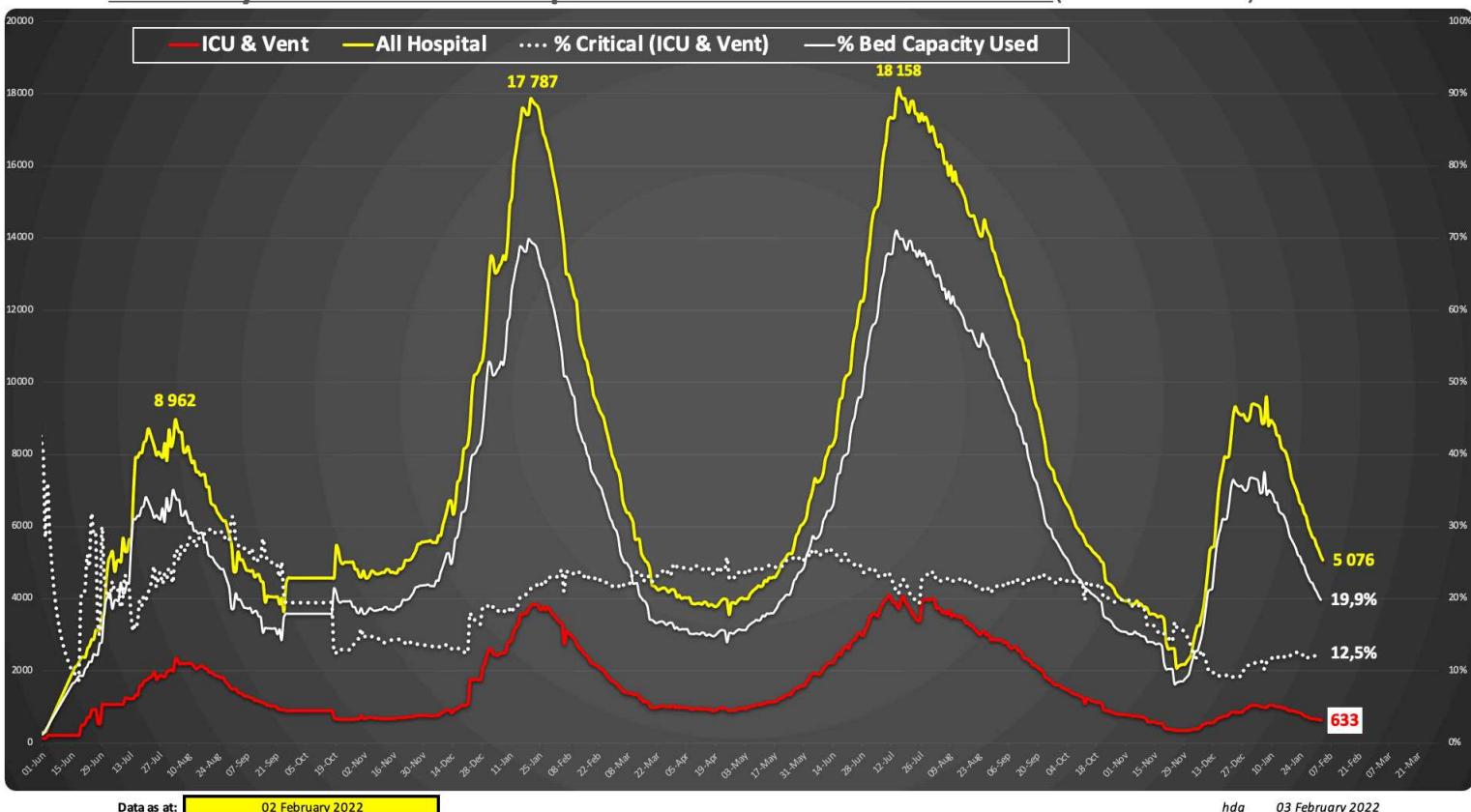
Data as at: 02 February 2022

hdg 03 February 2022

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

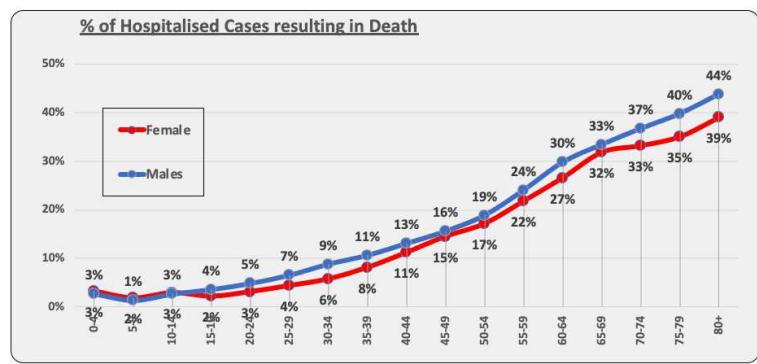
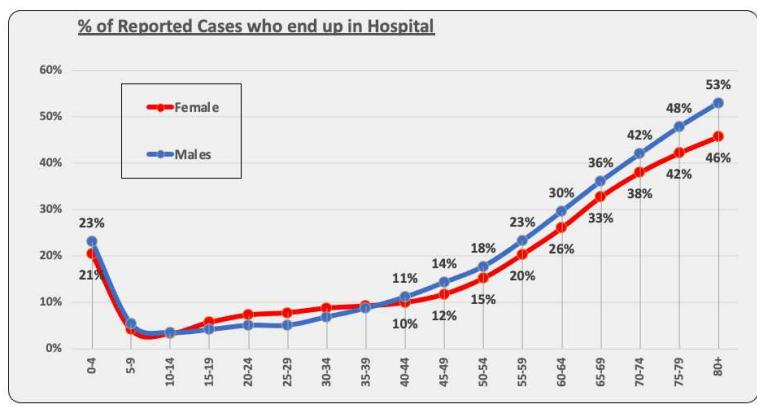
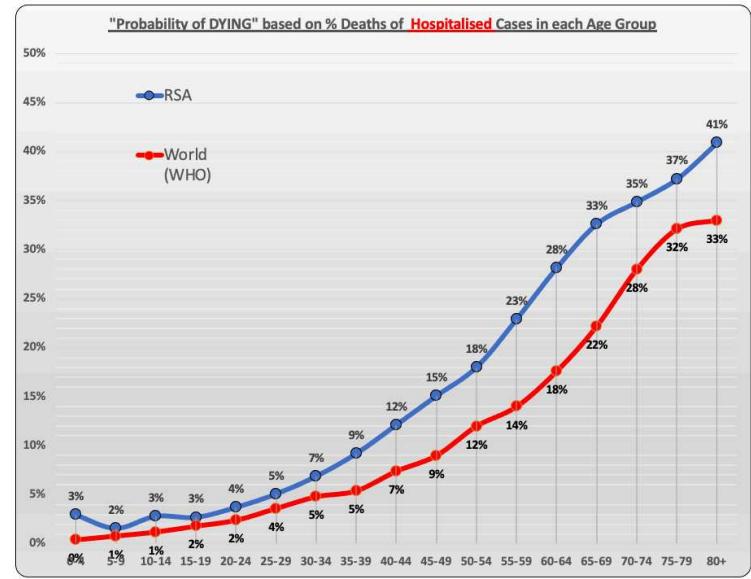
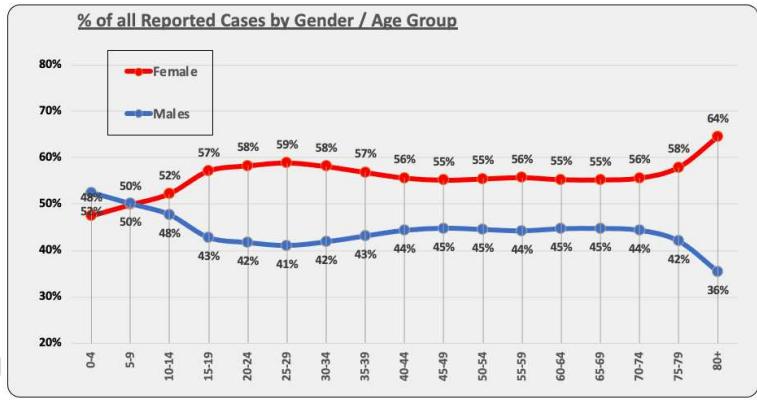
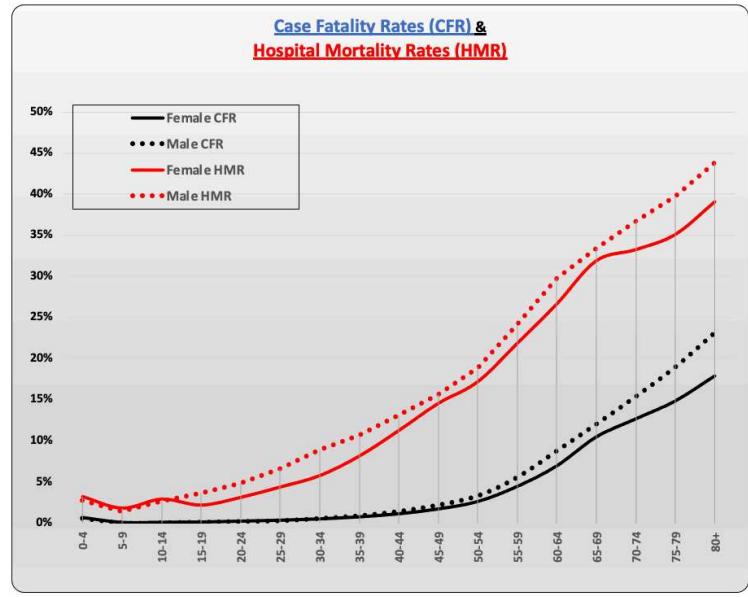
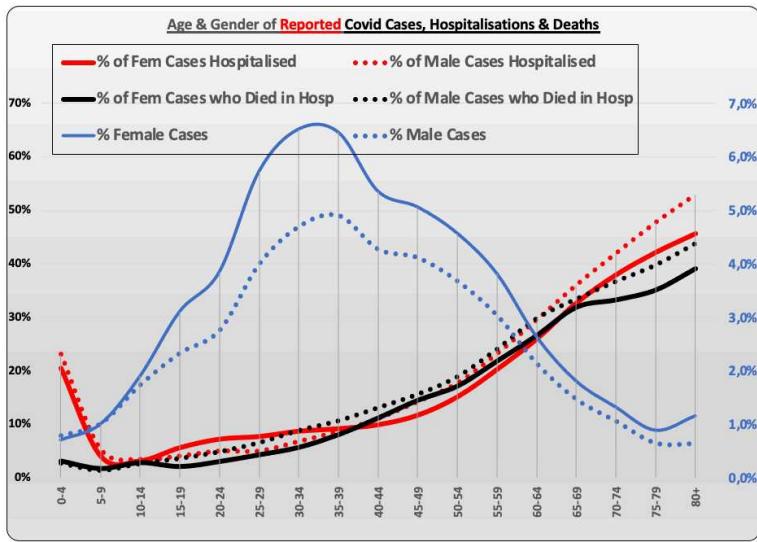
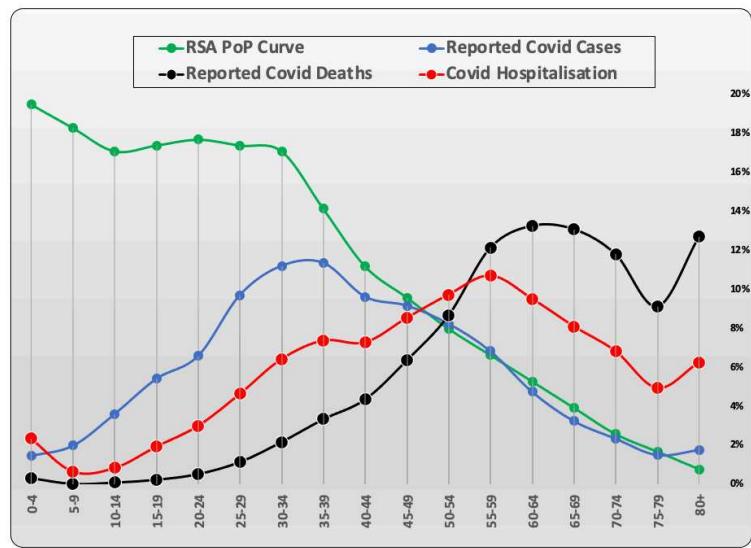


RSA Daily Covid Cases In Hospital : Jun 2020 to end Mch 2022 (actual not MA)



RSA Age & Gender Stats

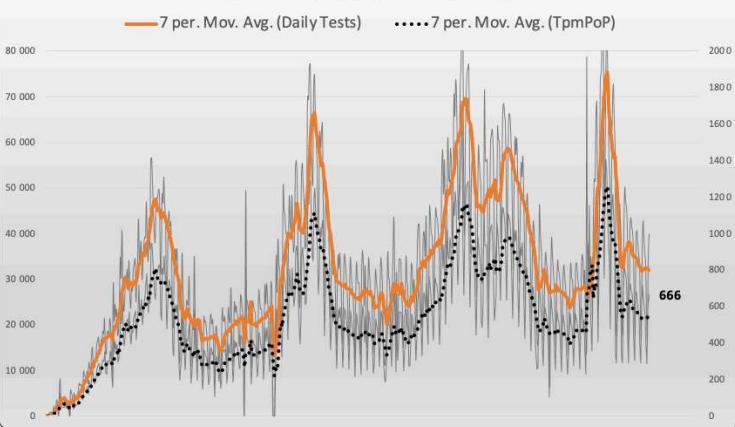
Page 6



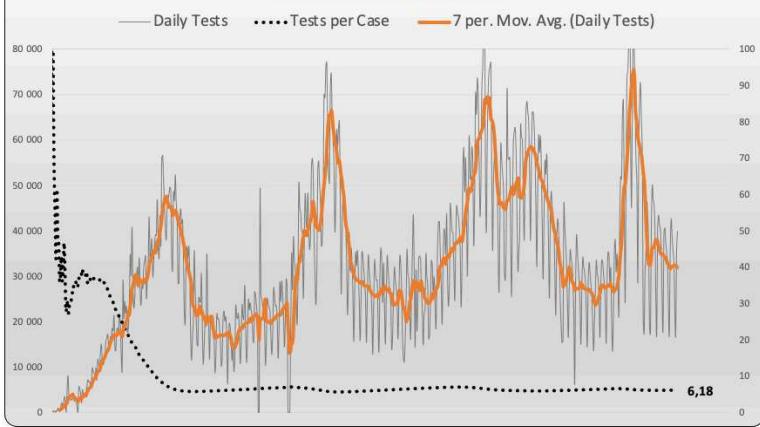
Data as at: 02 February 2022

hdg 03 February 2022

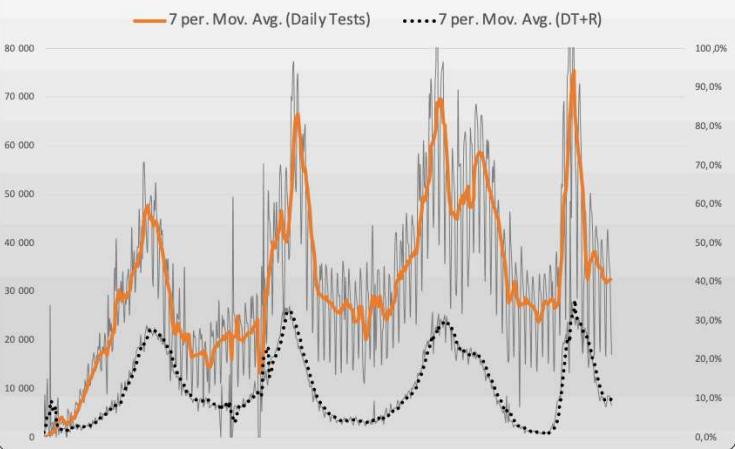
RSA: Daily Tests per million PoP



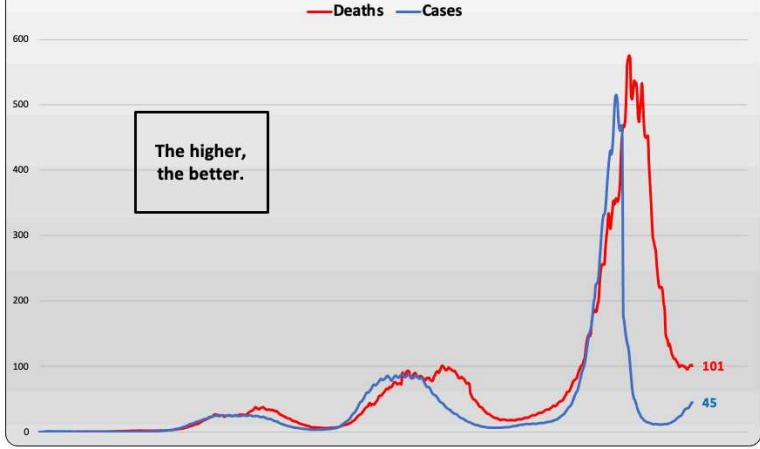
RSA: Daily Tests per +Case



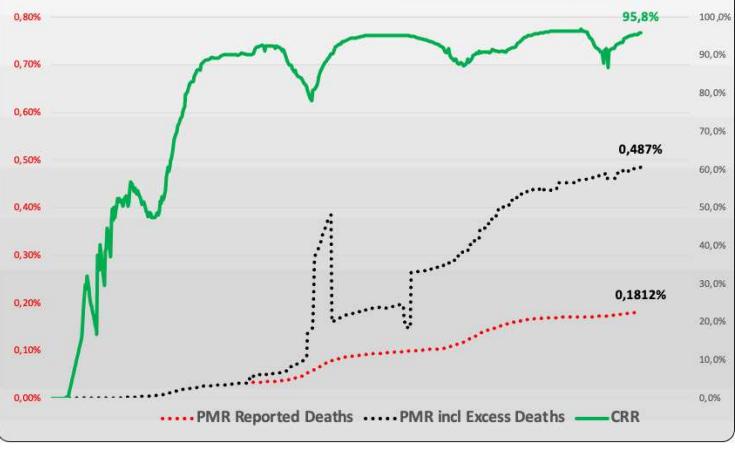
RSA: Daily Tests Positivity %



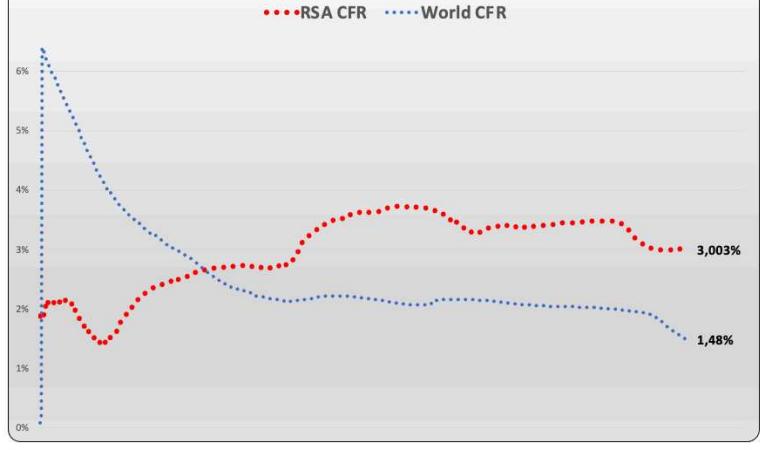
RSA Doubling Times in Days



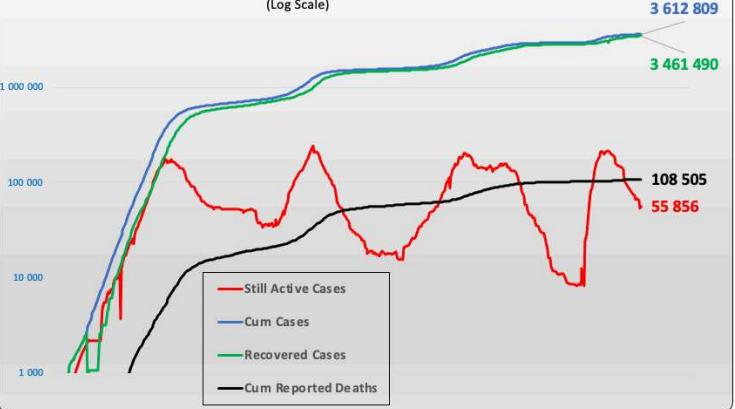
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



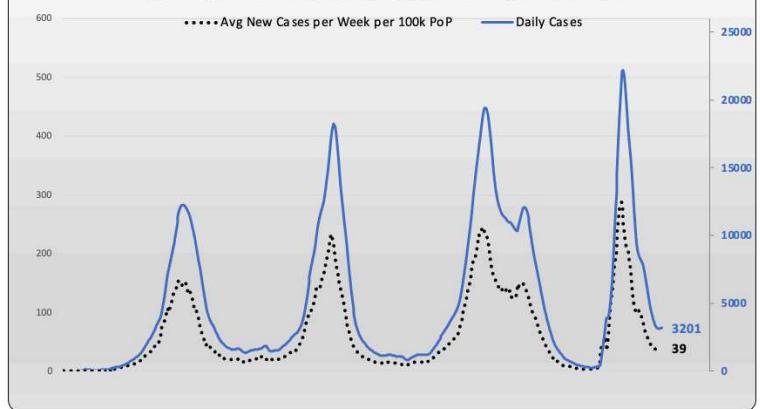
Covid Reported Deaths as % of Reported Cases (CFR)



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

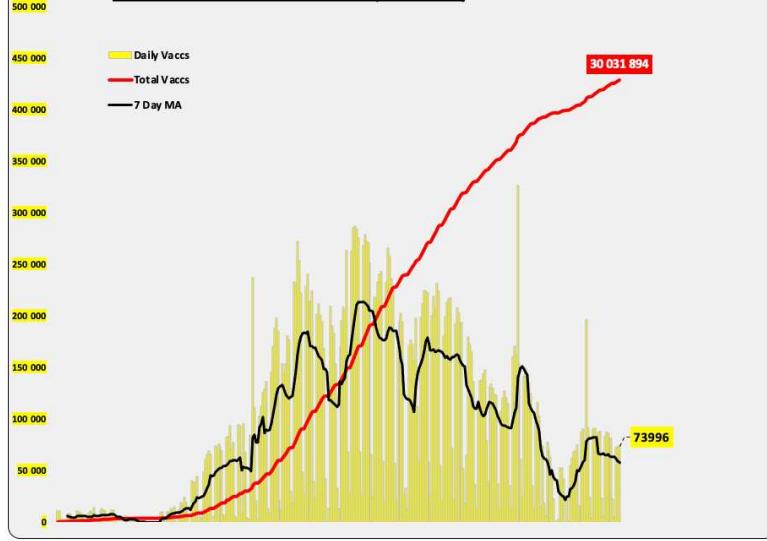


RSA: Avg New Reported Cases per week per 100k PoP



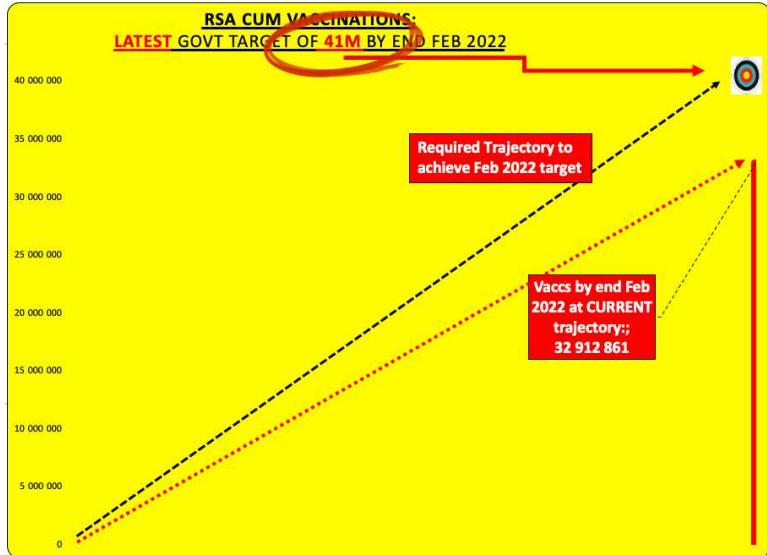
Vaccination Data

RSA DAILY VACCINATIONS (ALL VAX)



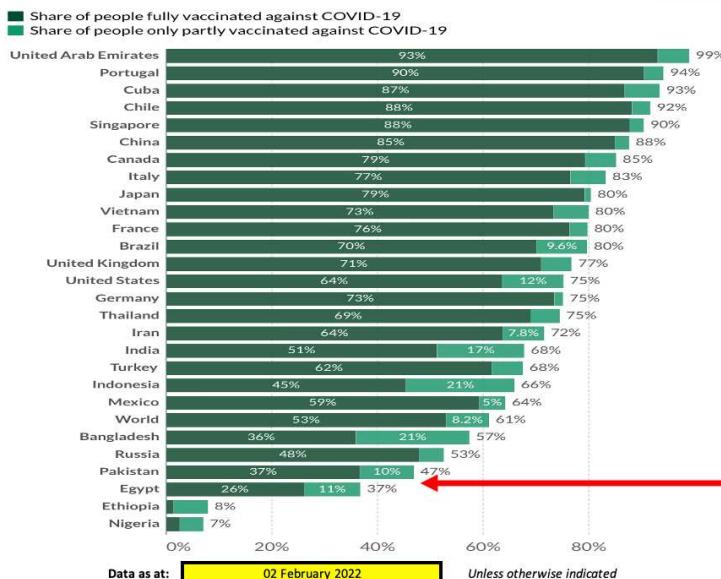
RSA CUM VACCINATIONS:

LATEST GOVT TARGET OF 41M BY END FEB 2022



Share of people vaccinated against COVID-19, Feb 1, 2022

Our World In Data

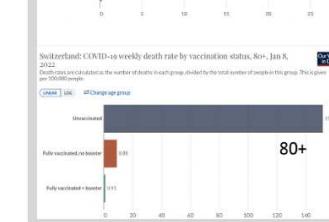
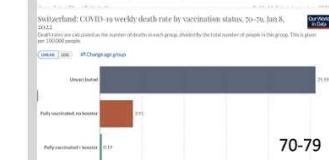
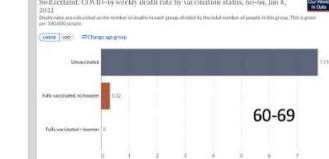


Data as at: 02 February 2022

Unless otherwise indicated

Vaccine Efficacy

SWITZERLAND



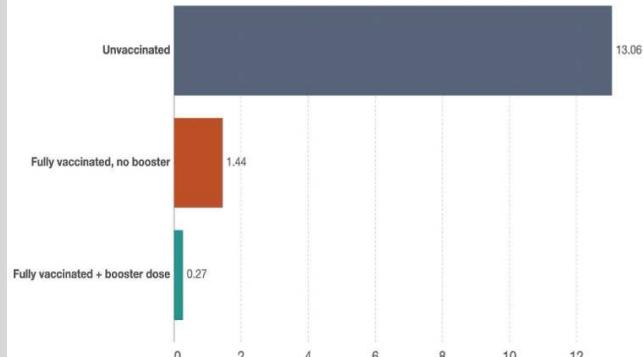
UNITED STATES



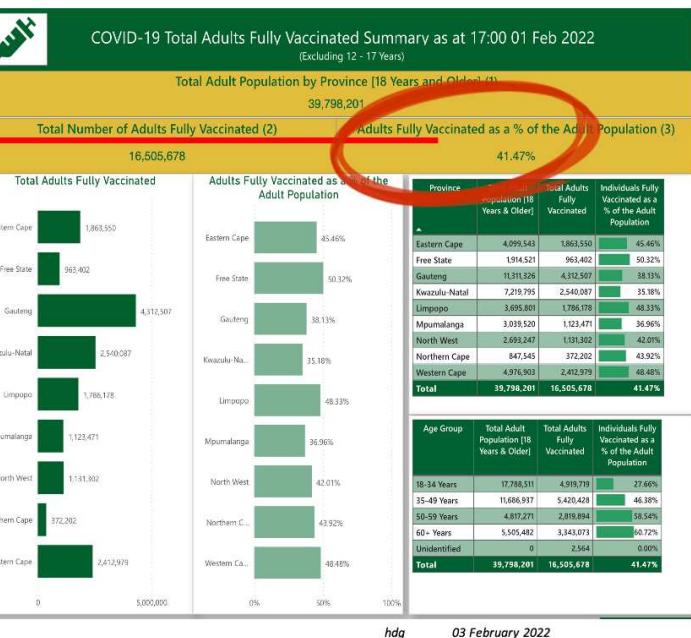
Switzerland: COVID-19 weekly death rate by vaccination status, All ages, Jan 1, 2022

Our World In Data

Death rates are calculated as the number of deaths in each group, divided by the total number of people in this group. This is given per 100,000 people.



Source: Federal Office of Public Health
Note: Data coverage includes both Switzerland and Liechtenstein. Unvaccinated people have not received any dose. Partially-vaccinated people are excluded. Fully-vaccinated people have received all doses prescribed by the initial vaccination protocol. The mortality rate for the 'All ages' group is age-standardized to account for the different vaccination rates of older and younger people.



Some food for thought.....

