

HarryG COVID-19 StatsPack

Deteriorating

Improving

Against
Previous Day

Page 1

Cum Cases		Daily Cases	
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP	
3 590 399	4 511		
66 320	59 962	1804	
Deaths Avg	Ages Median	Deaths Min Age	Deaths Max Age
62,2	59,1	0,2	108

RSA COVID-19 DASHBOARD as at: 27-Jan-22

Daily Still in Hospital

6035

Case Fatality Rates (CFR):
Reported Cases Hospital Cases

3,01%

20,26%

Vaccinations:

Daily Avg

87 912

Time to achieve Govt Target of 41m vaxcs

1,26 Yrs

7 Day MA Vaxcs per day

66 015

1,68 Yrs

Total to date:

29 626 329

Cum Tests

22 120 335

Daily Tests

42 686

Daily Test Positivity Rate:

10,6%

Cum Deaths

Yesterday

108 004

107

Cases

Deaths

CFR

Hospitalised

56,4%

51,5%

2,56%

55,3%

43,6%

48,5%

3,12%

44,7%

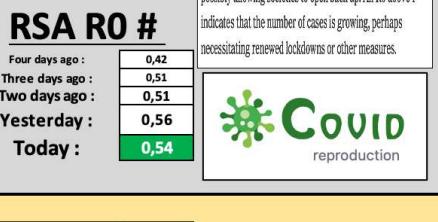
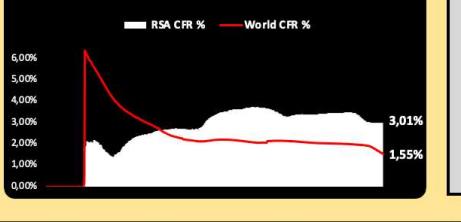
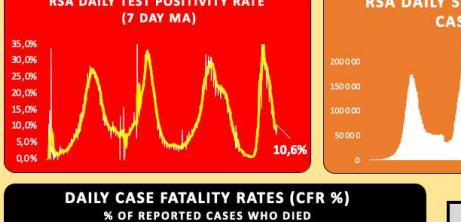
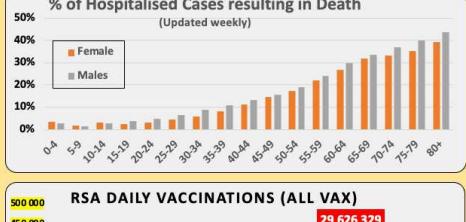
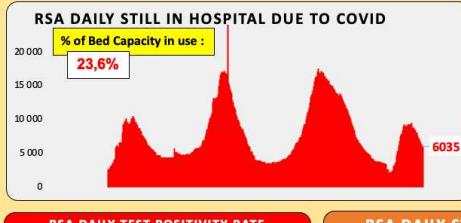
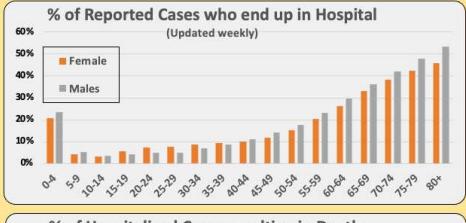
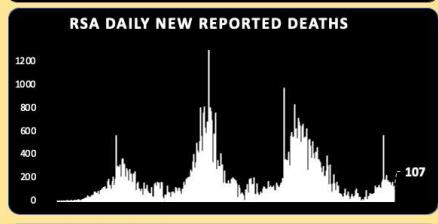
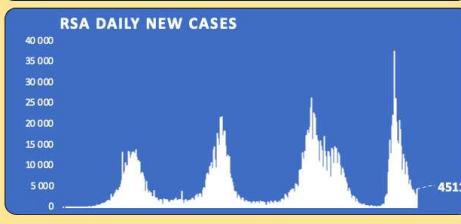
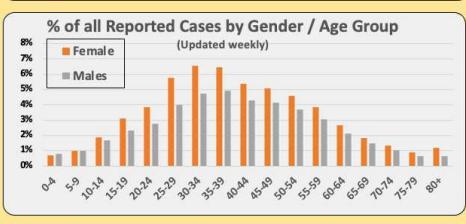
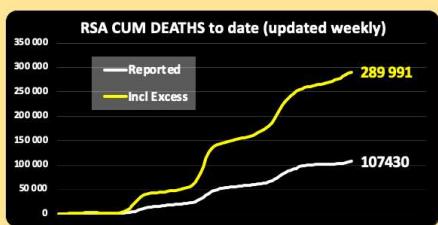
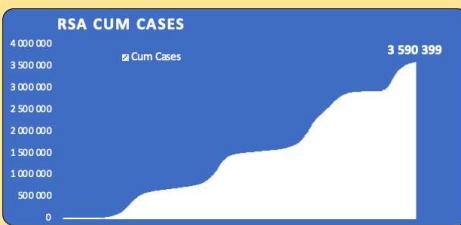
0,19%

0,49%

Female :

Male :

20-Jan



% of adult PoP FULLY VAXXED:	RSA	Gauteng	KZN	E/Cape	W/Cape	Free State	Limpopo	Mpumalanga	N/West	N/Cape	(Updated weekly)
40,9%	37,4%	34,6%	45,0%	48,0%	49,7%	47,7%	36,3%	41,5%	43,5%		

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

Data as at: 26 January 2022

Unless otherwise indicated

hdg

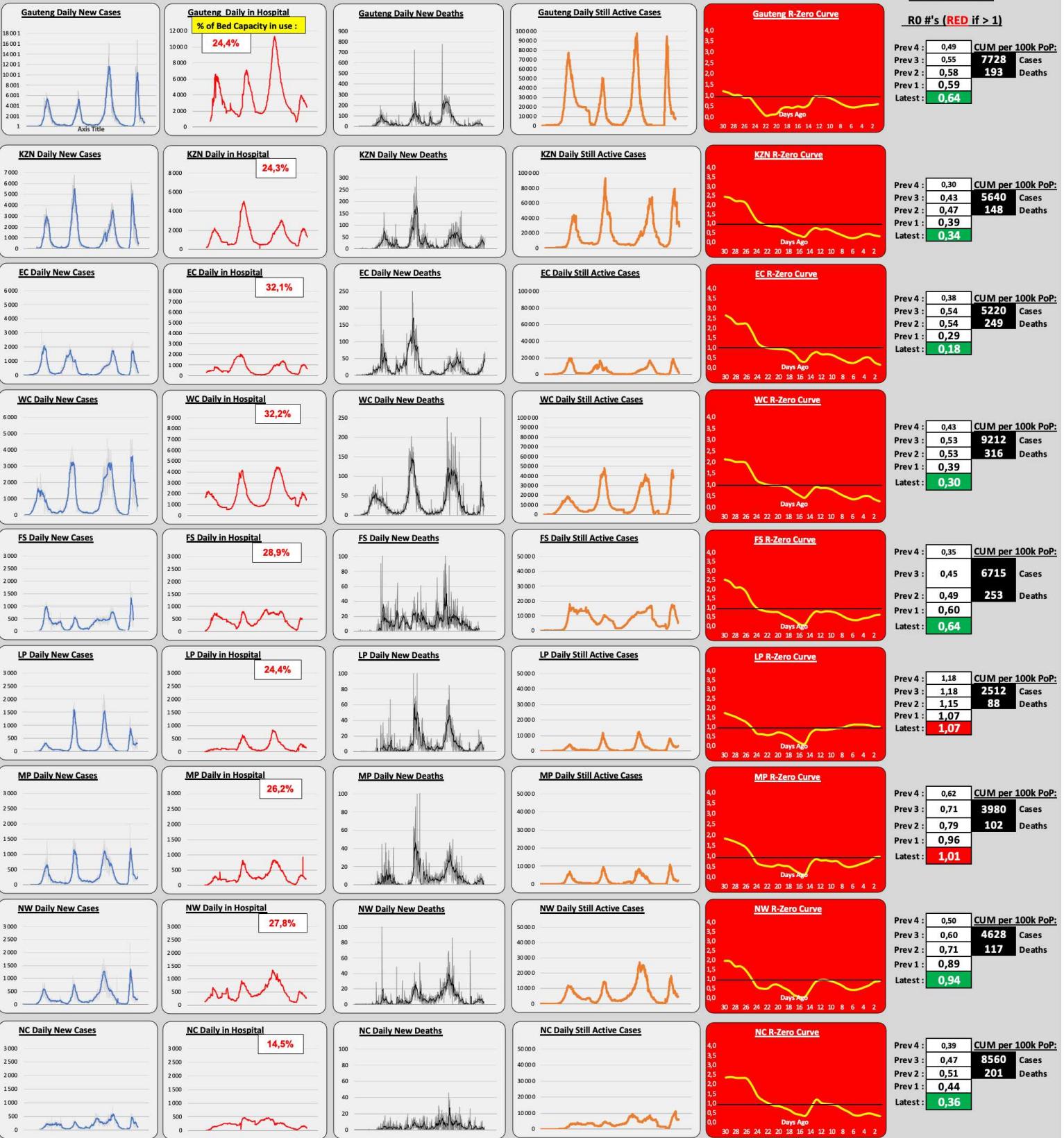
27 January 2022

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

Latest Provincial

RO #'s (RED if > 1)

Prev 4 :	0,49	CUM per 100k PoP:
Prev 3 :	0,55	7728 Cases
Prev 2 :	0,58	193 Deaths
Prev 1 :	0,59	
Latest :	0,64	



Data as at: 26 January 2022

Unless otherwise indicated

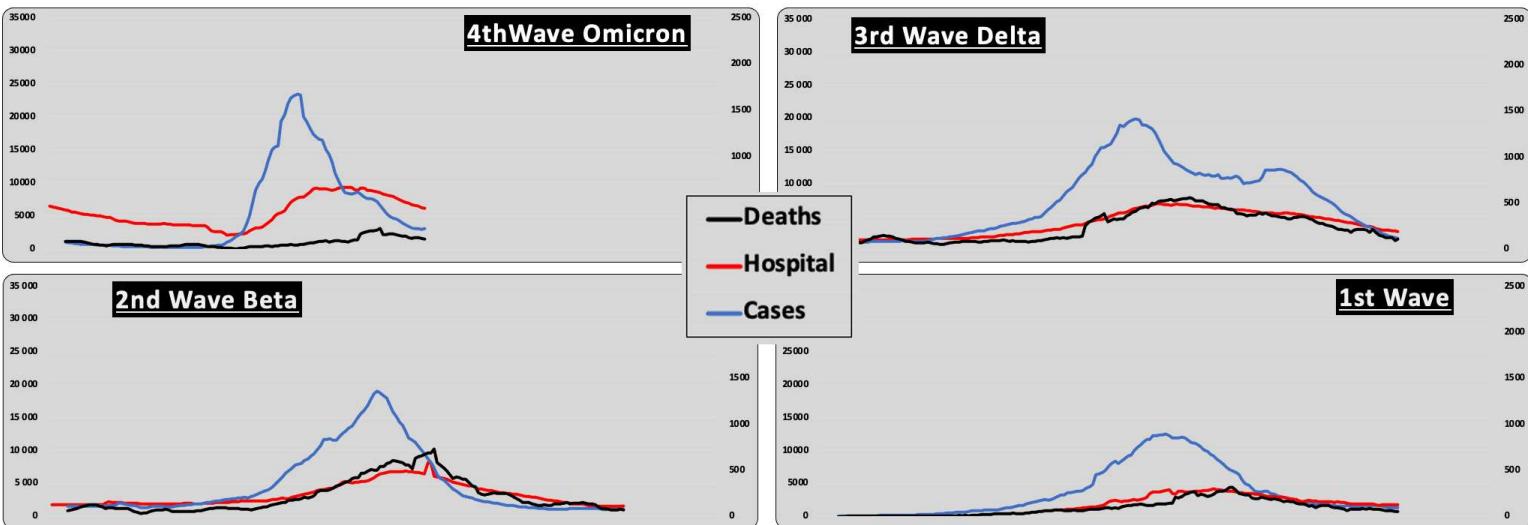
hdg

27 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

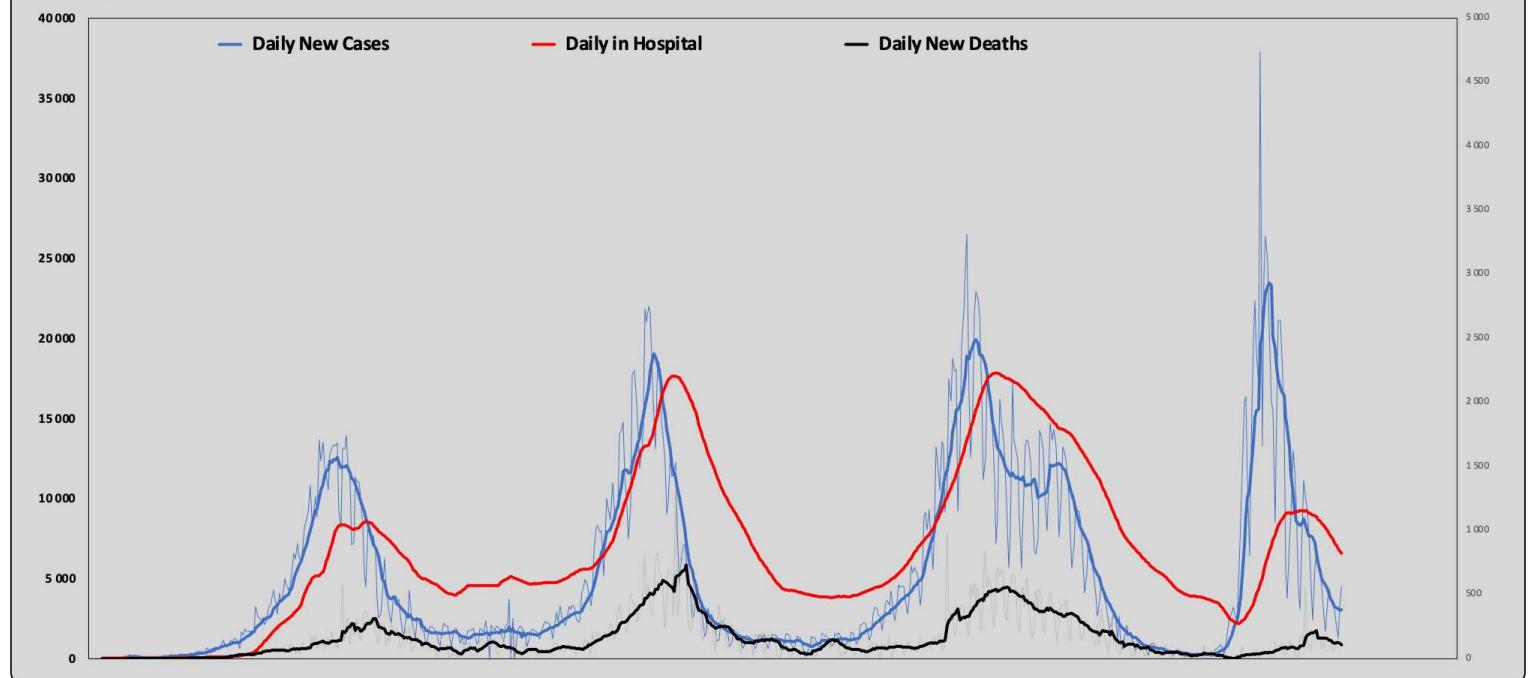


Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

Conclusion | Omicron Insights

1. Apparent 29% lower severity based on early data (in high seroprevalence population) and supported by anecdotal clinical feedback
2. 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
3. Vaccine effectiveness against infection is materially reduced, with high numbers of breakthrough infections in vaccinated individuals
4. 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
5. Notwithstanding the lower severity, health systems could still be over-run by the sheer volume of cases, considering Omicron's rapid community spread
6. 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

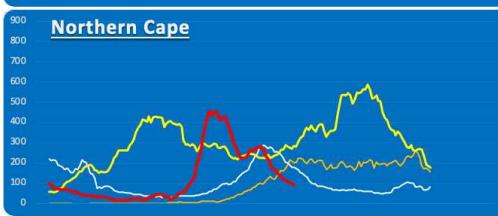
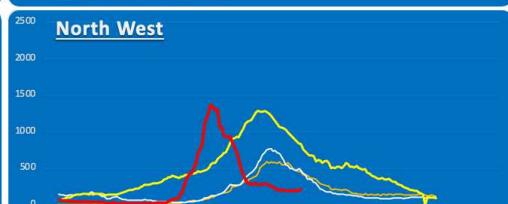
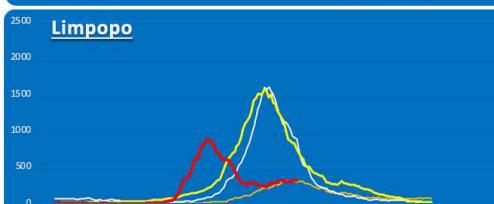
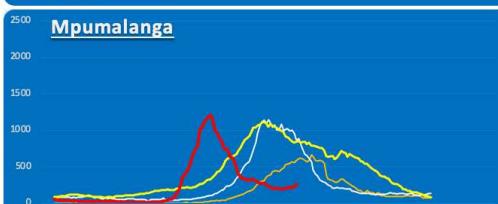
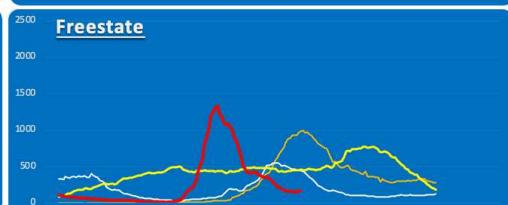
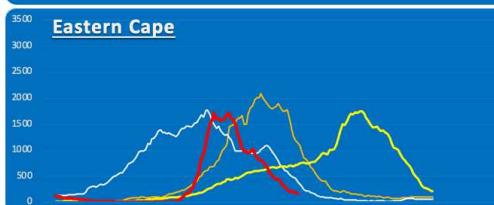
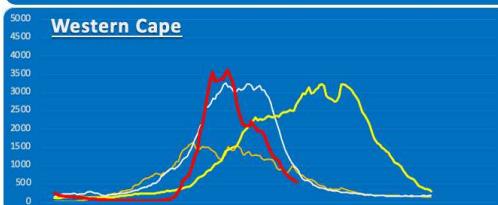
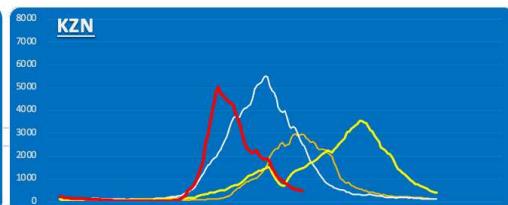
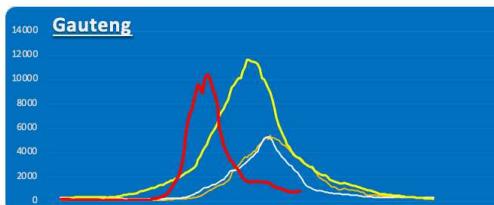
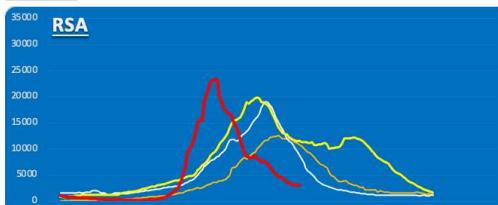
RSA Reported Daily Cases v Hospitalisations v Daily Deaths (7 Day MA note the dual axes)



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: 26 January 2022 Unless otherwise indicated

hdg 27 January 2022

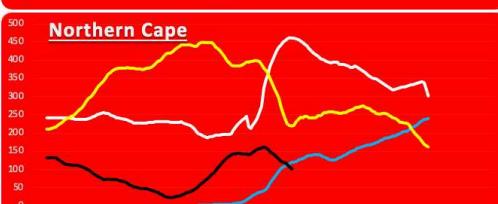
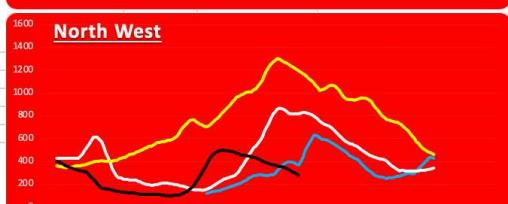
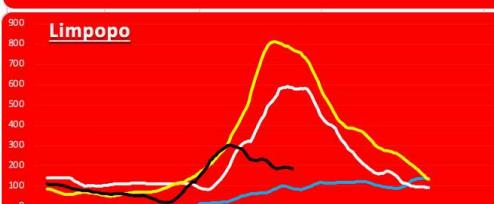
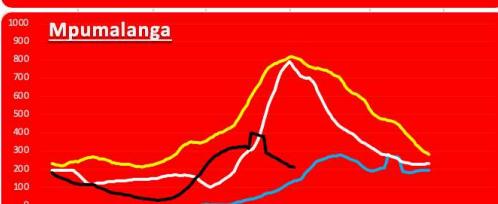
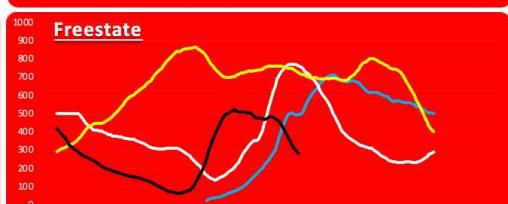
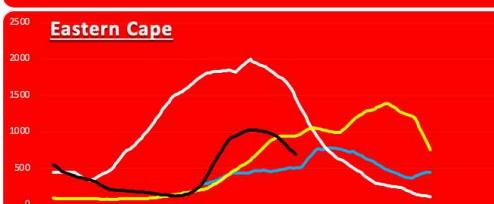
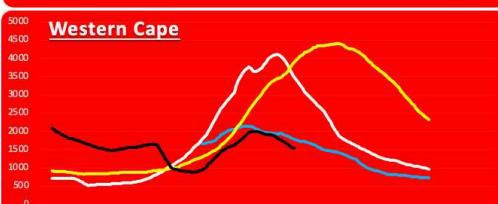
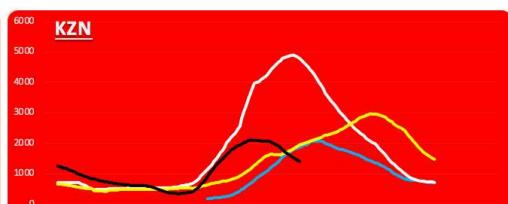
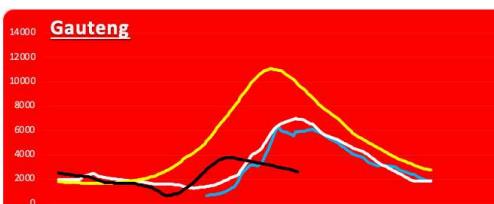
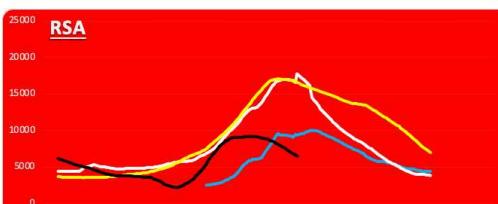


CASES

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.



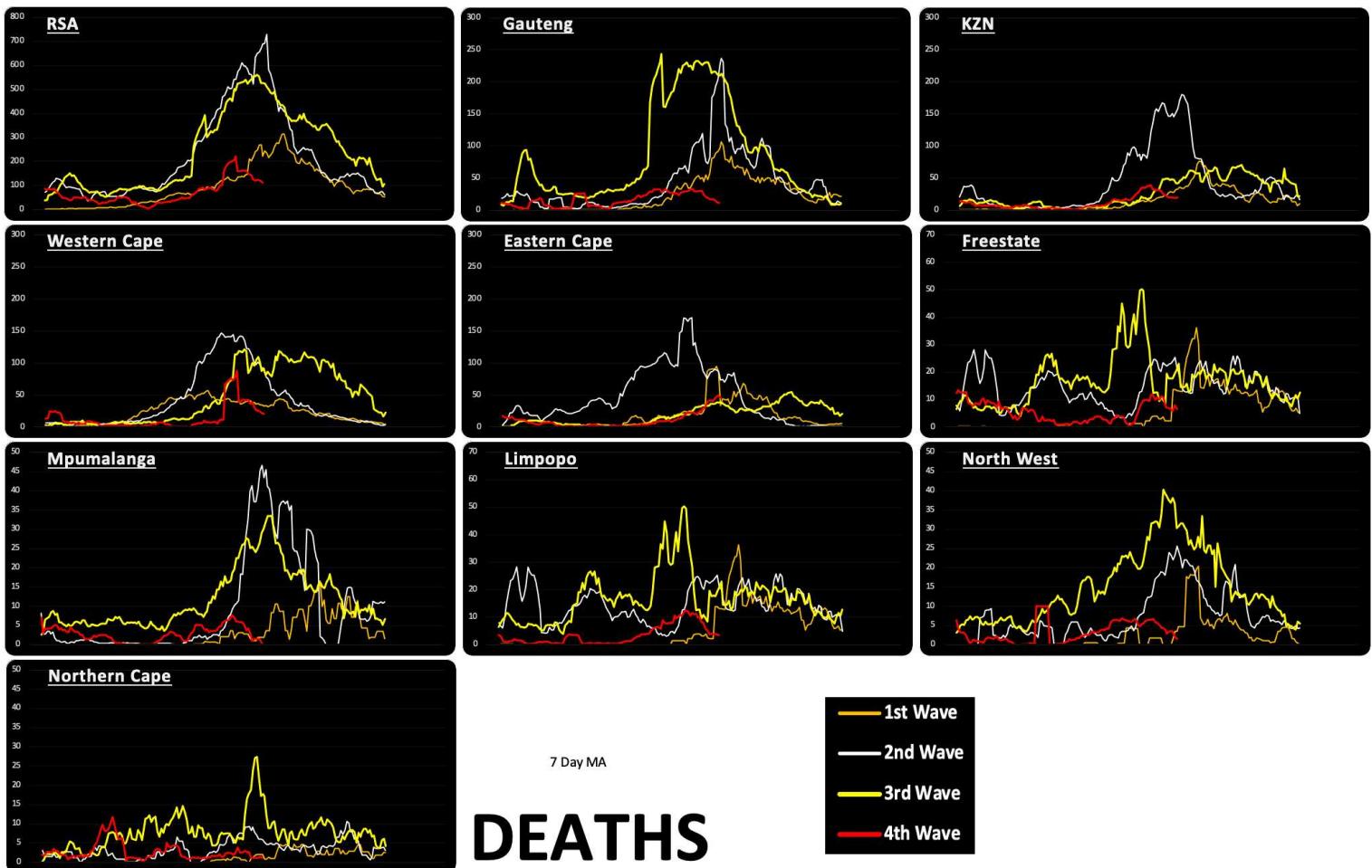
HOSPITALISED

7 Day MA

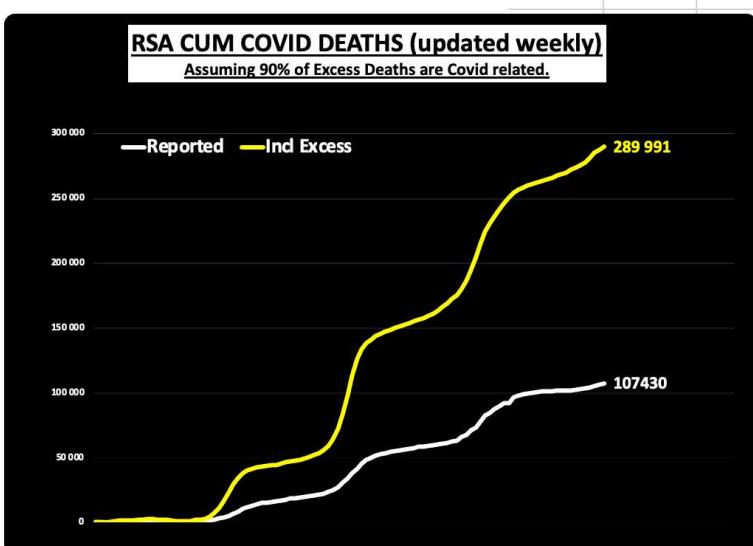
- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

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

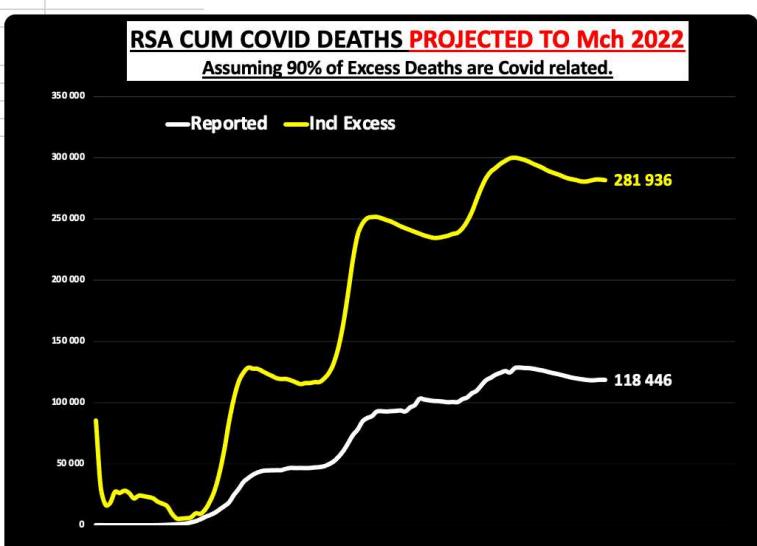
Page 2.2



RSA Cum & Projected Deaths (Reported & Incl Excess)



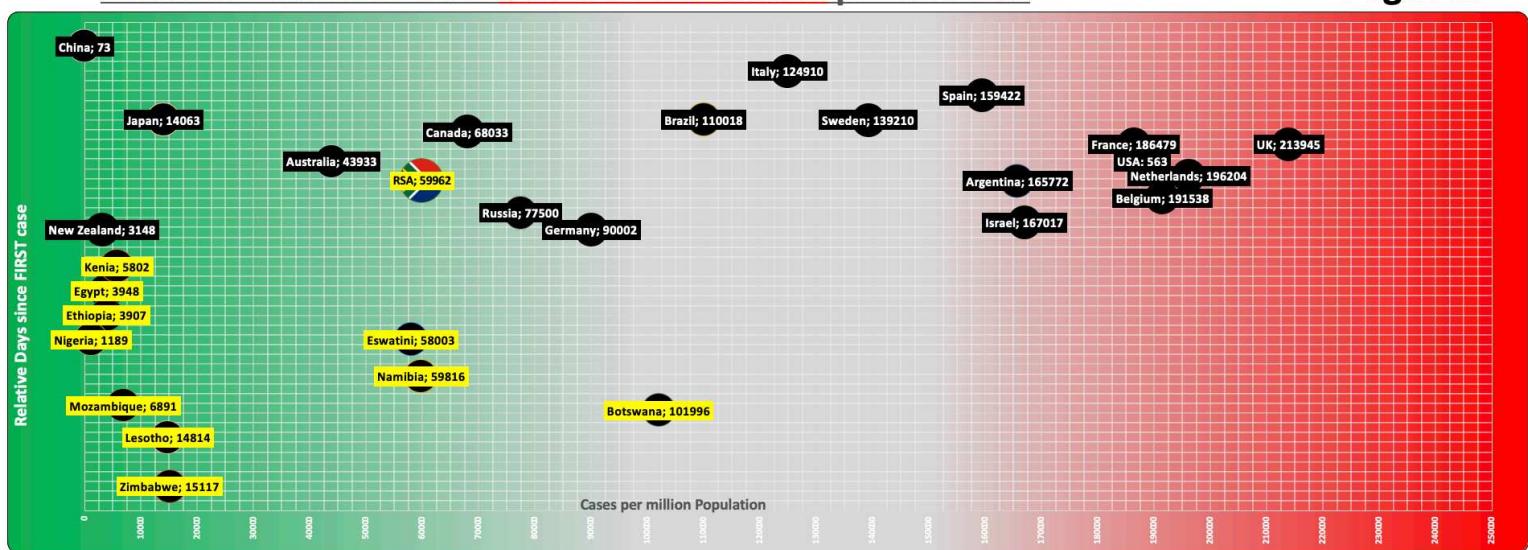
Data as at: 26 January 2022 Unless otherwise indicated



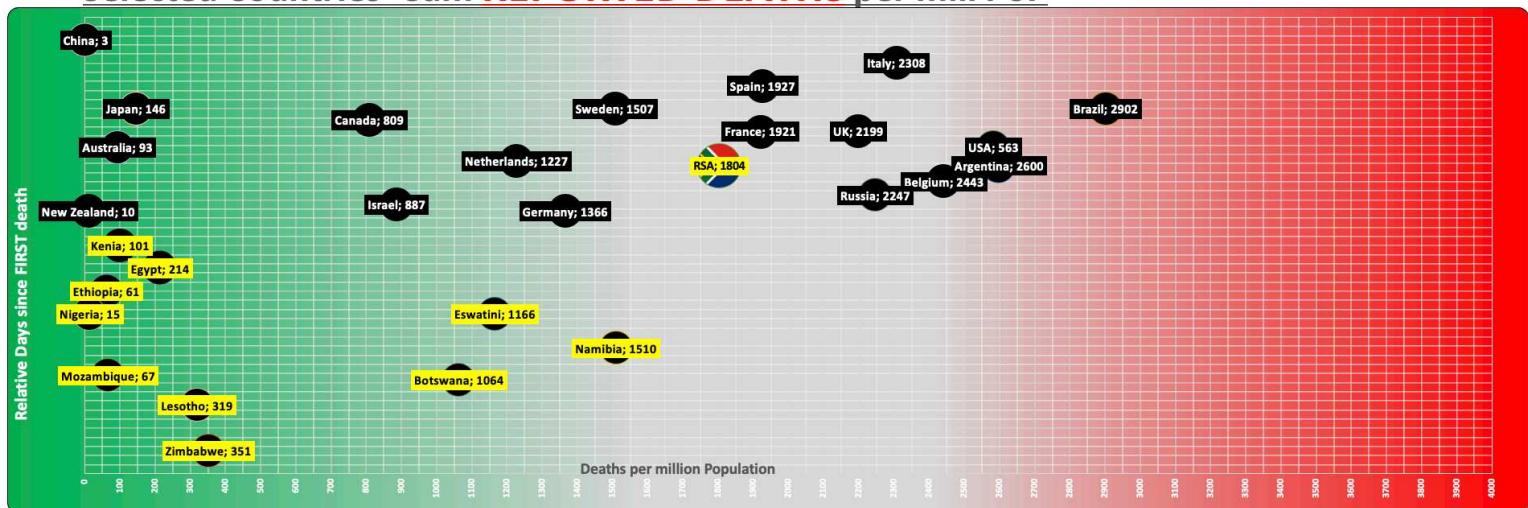
hdg 27 January 2022

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

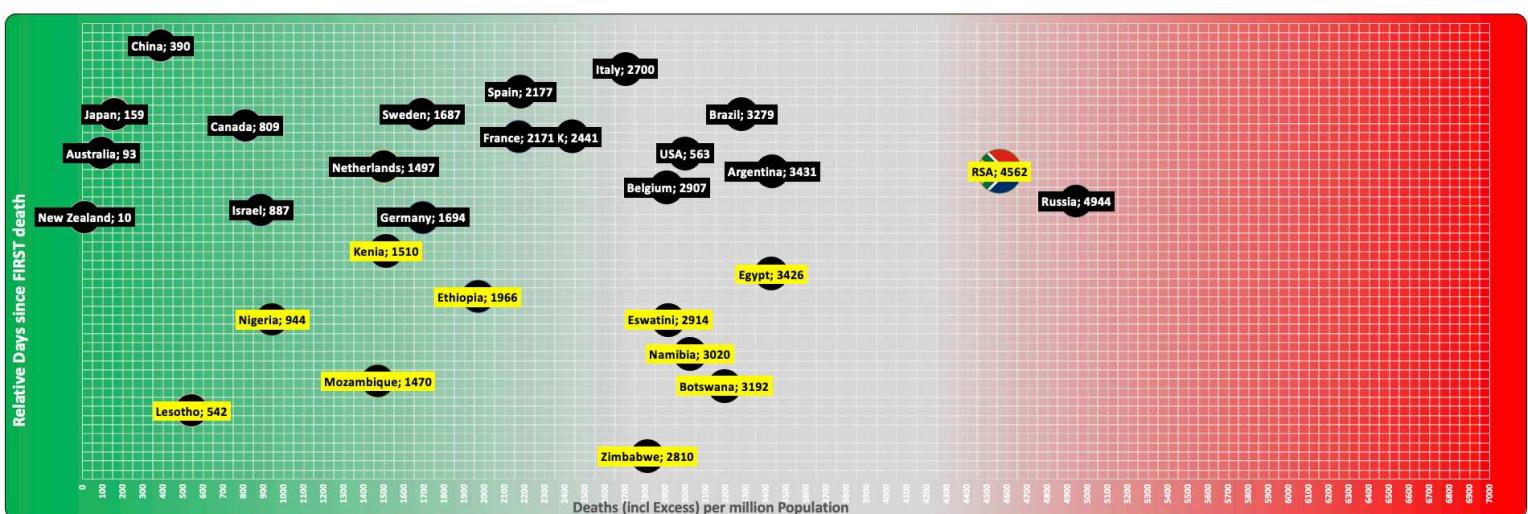
Page 2.3



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



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



Data as at: 26 January 2022

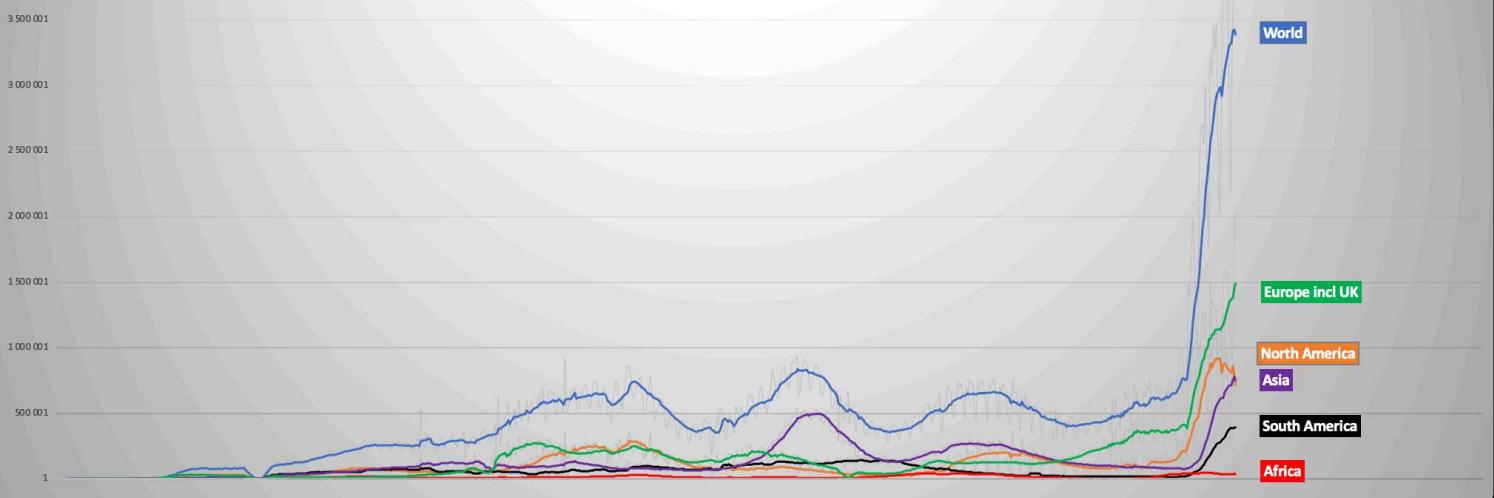
* Excess Deaths %'s as per OurWorldInData & The Economist Magazine

hdg 27 January 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)

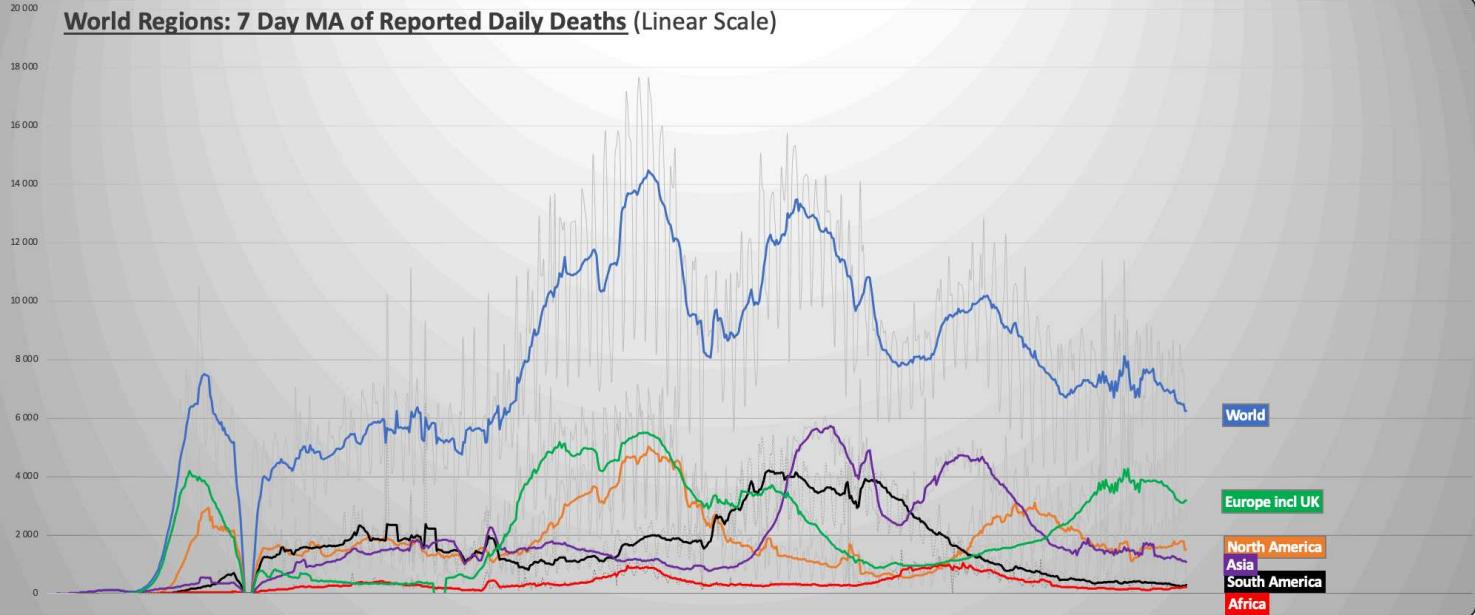
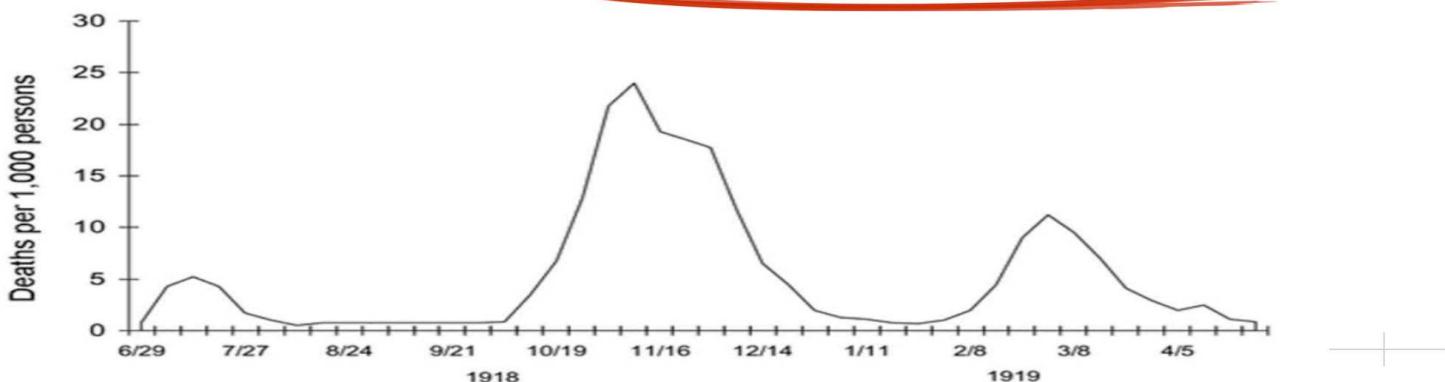
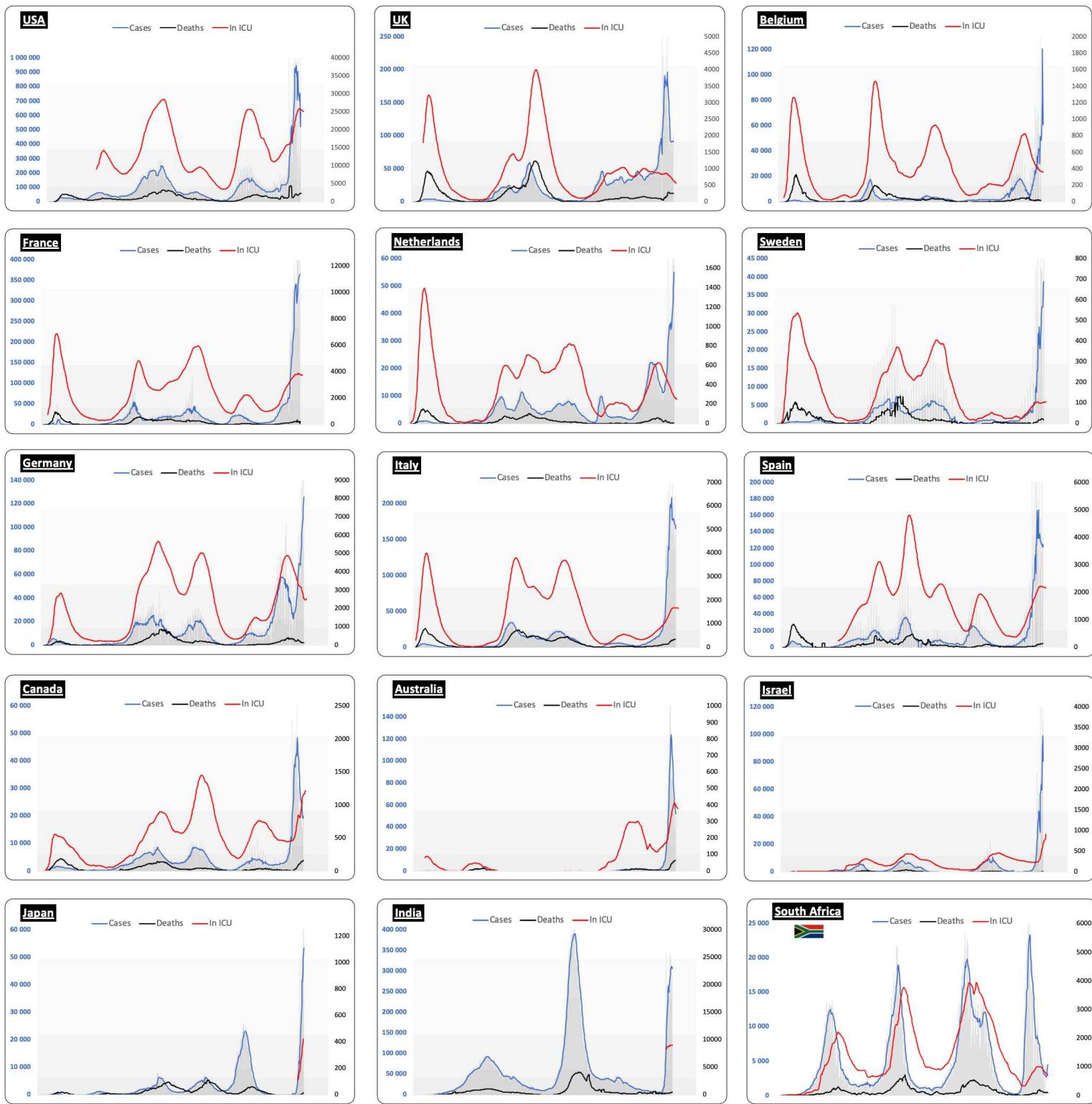


Figure 1. Three Pandemic Waves of the Spanish Flu in the United Kingdom, 1918-20



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

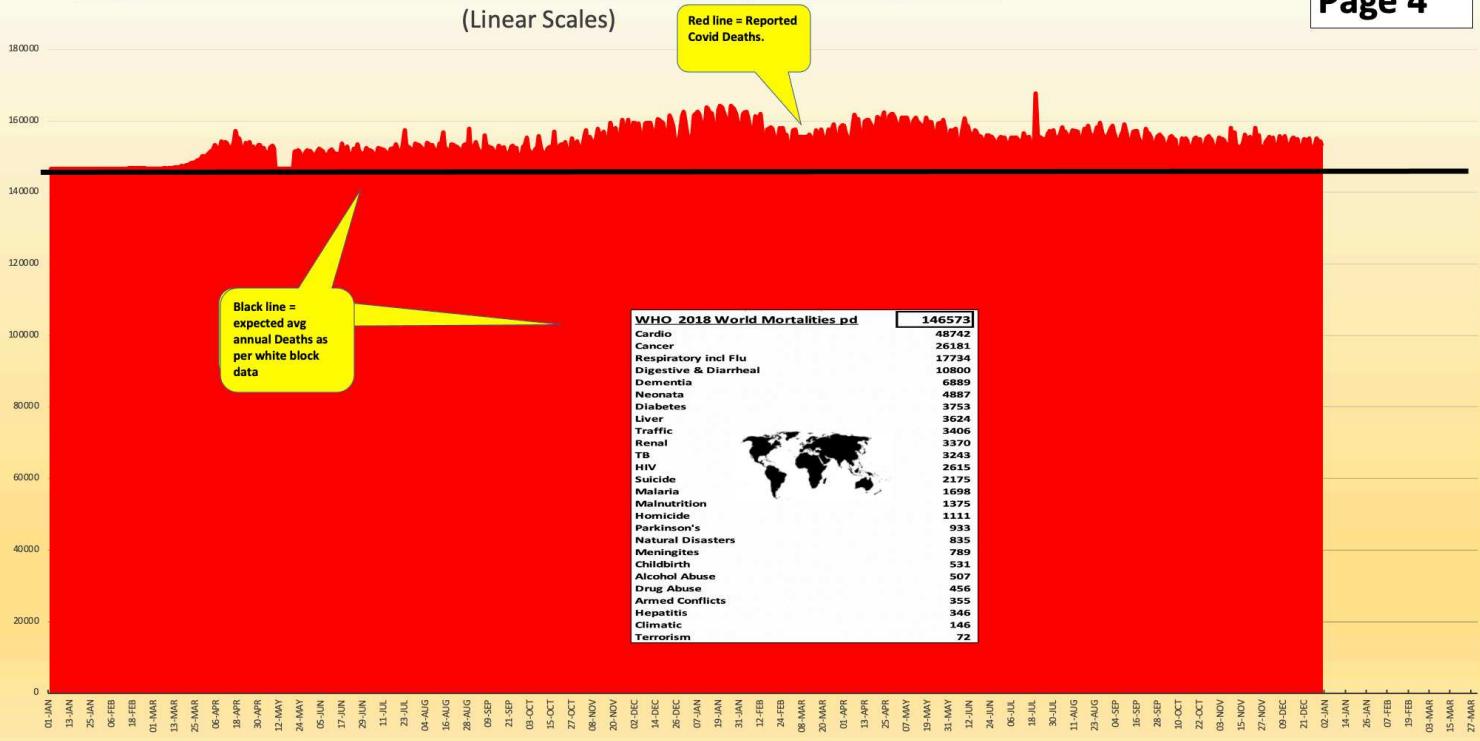
Page 3.1



Data as at: 26 January 2022 Unless otherwise indicated

hdg 27 January 2022

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



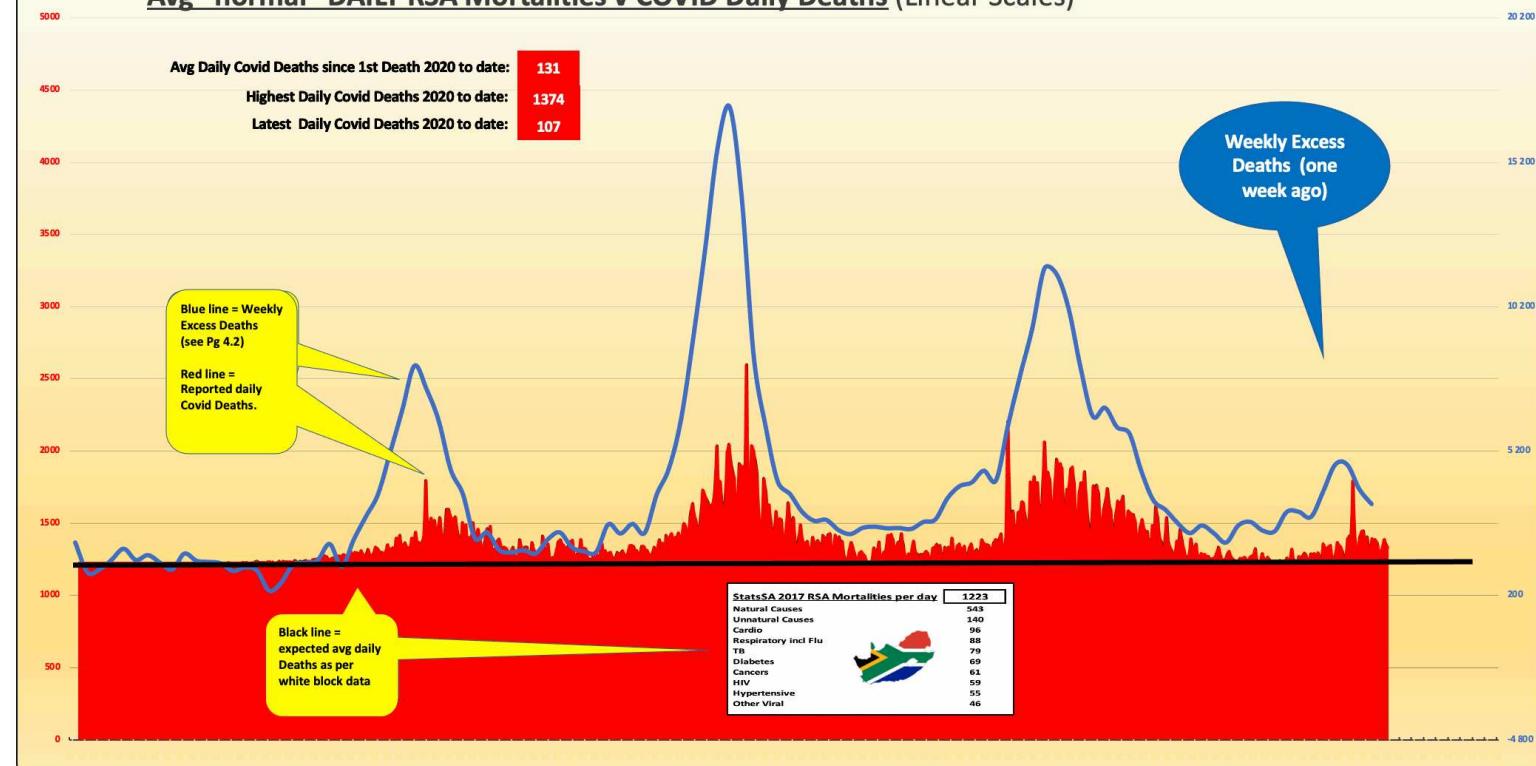
The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

The big RED blocks below the black lines are TOTAL 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)



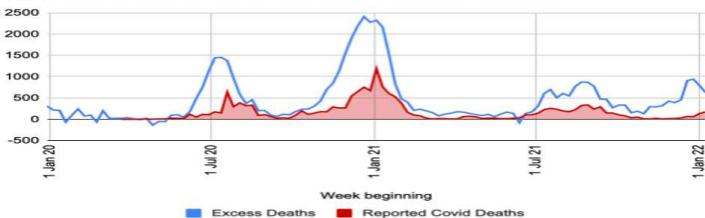
RSA Excess Deaths as per SA Medical Research Council

As at : 22 January 2022

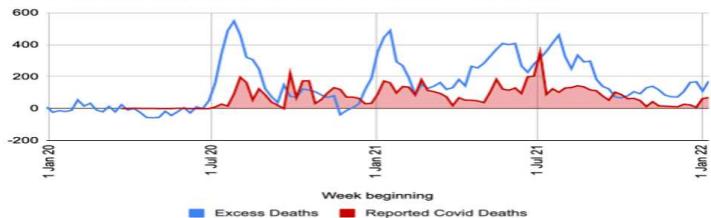
Page 4.1

Provinces

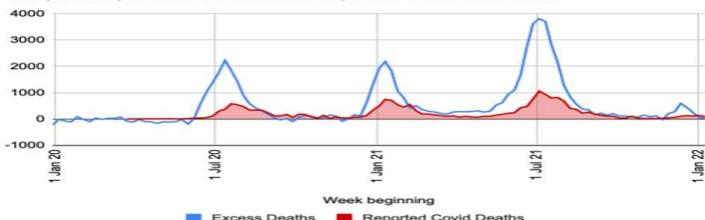
EC (Natural) Excess Deaths and Reported Covid-19 Deaths



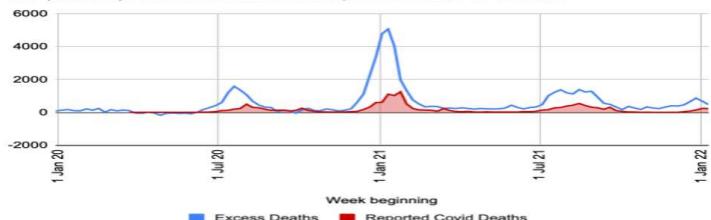
FS (Natural) Excess Deaths and Reported Covid-19 Deaths



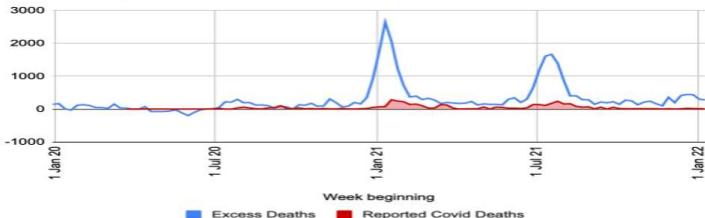
GT (Natural) Excess Deaths and Reported Covid-19 Deaths



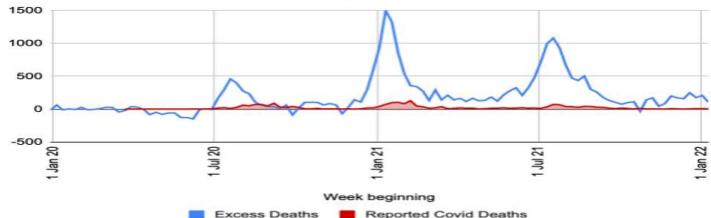
KZ (Natural) Excess Deaths and Reported Covid-19 Deaths



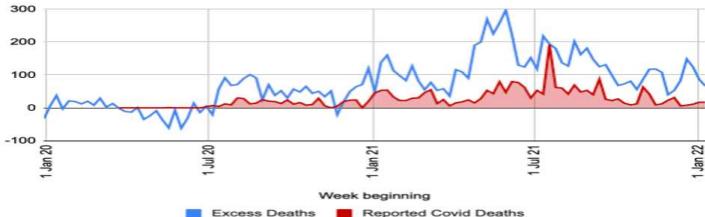
LM (Natural) Excess Deaths and Reported Covid-19 Deaths



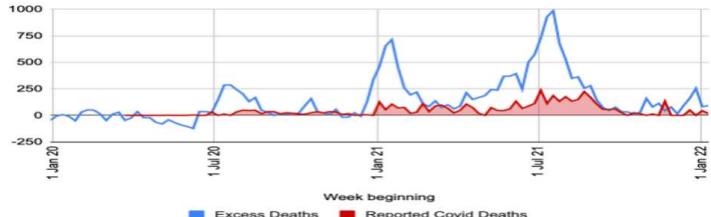
MP (Natural) Excess Deaths and Reported Covid-19 Deaths



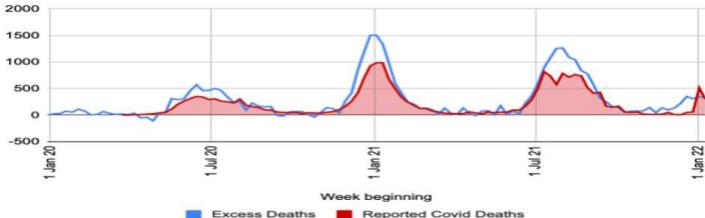
NC (Natural) Excess Deaths and Reported Covid-19 Deaths



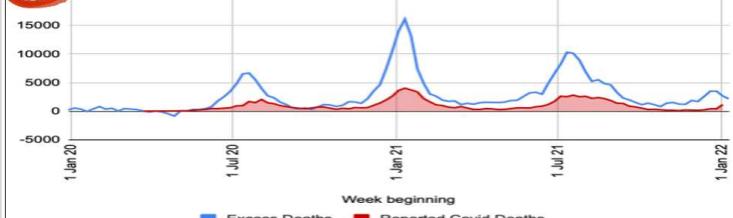
NW (Natural) Excess Deaths and Reported Covid-19 Deaths



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



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



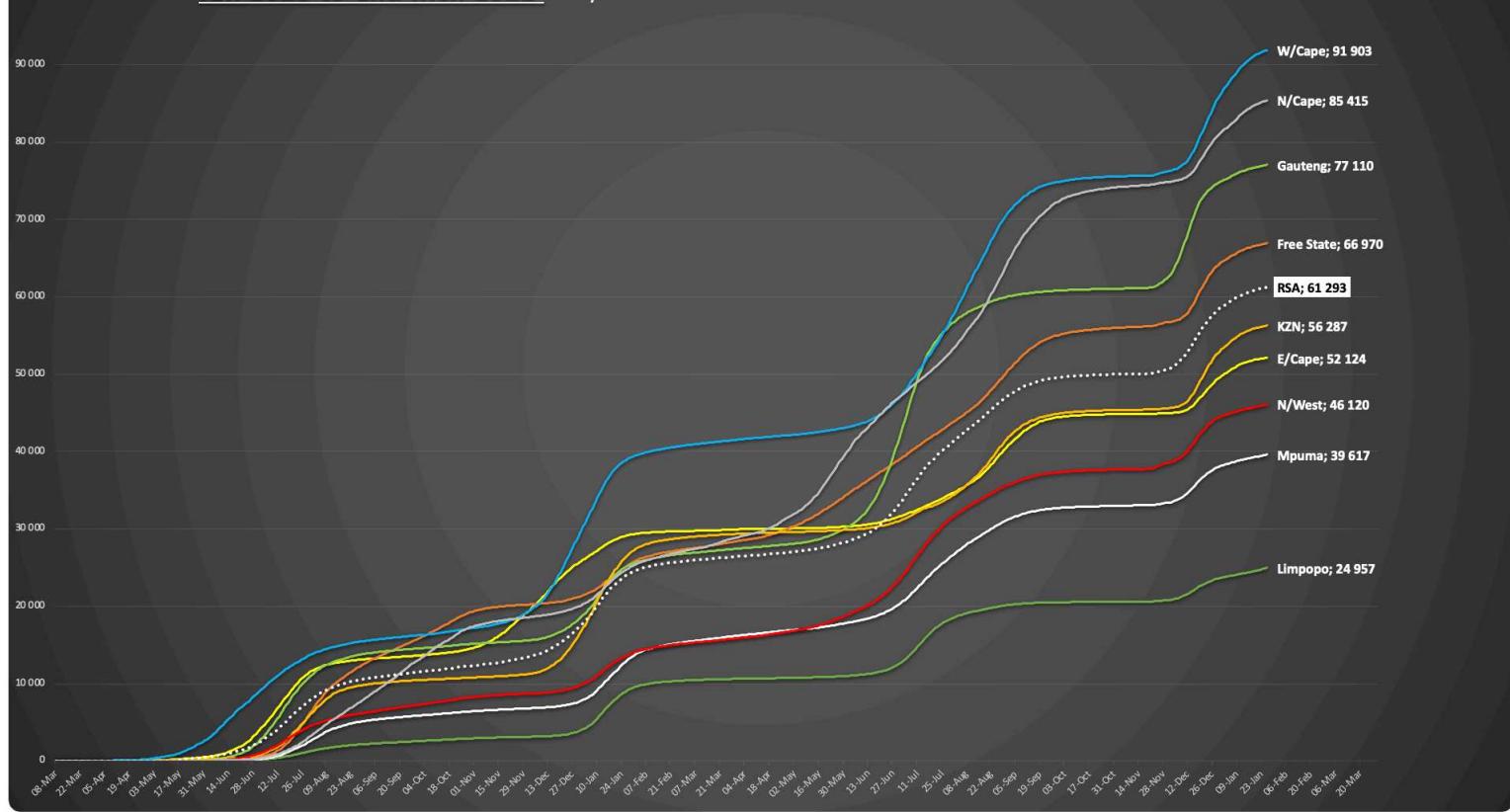
The red lines are weekly Covid deaths as reported by Dept of Health.

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).

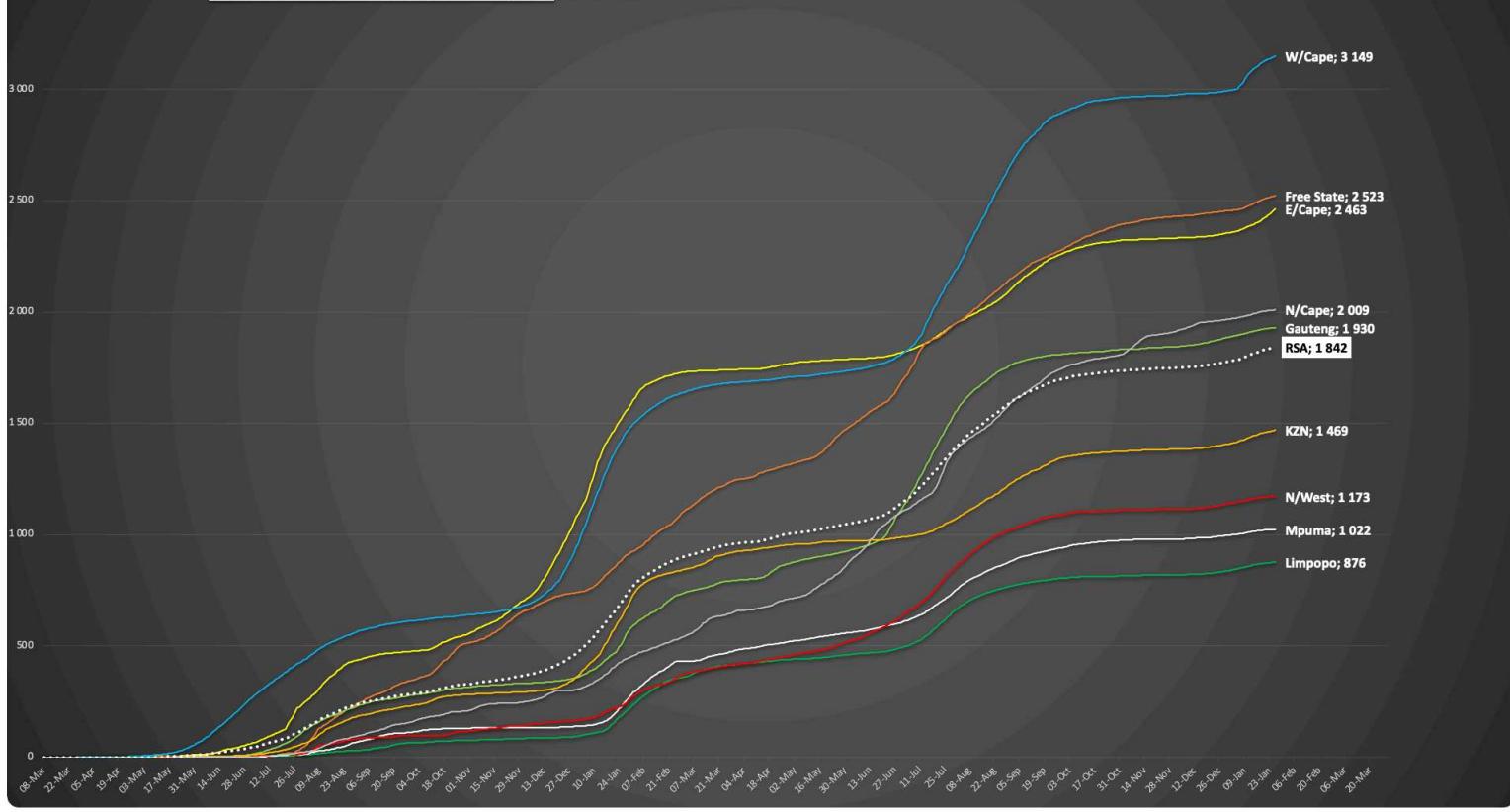
CUM reported Covid CASES per mill PoP

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

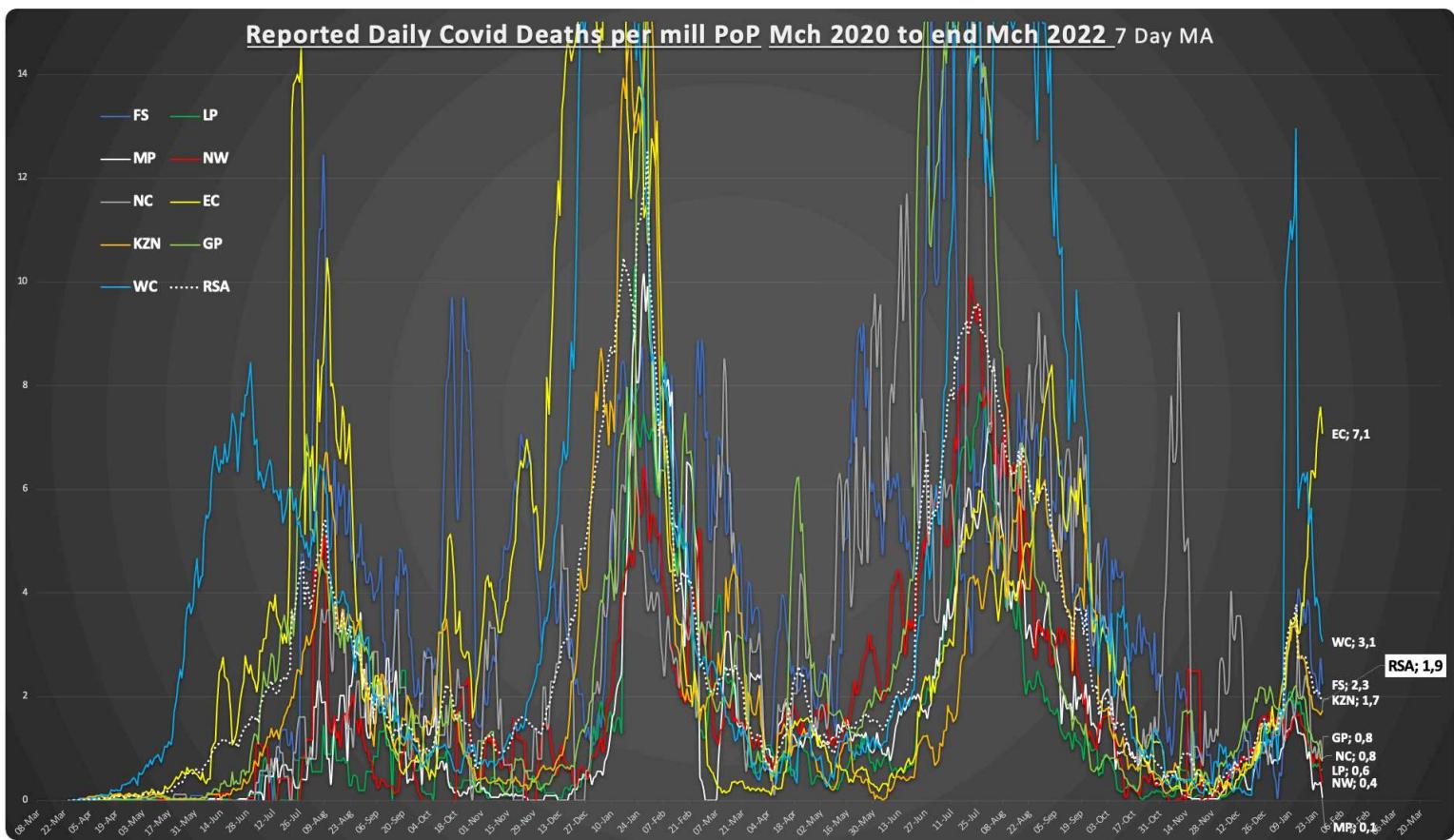
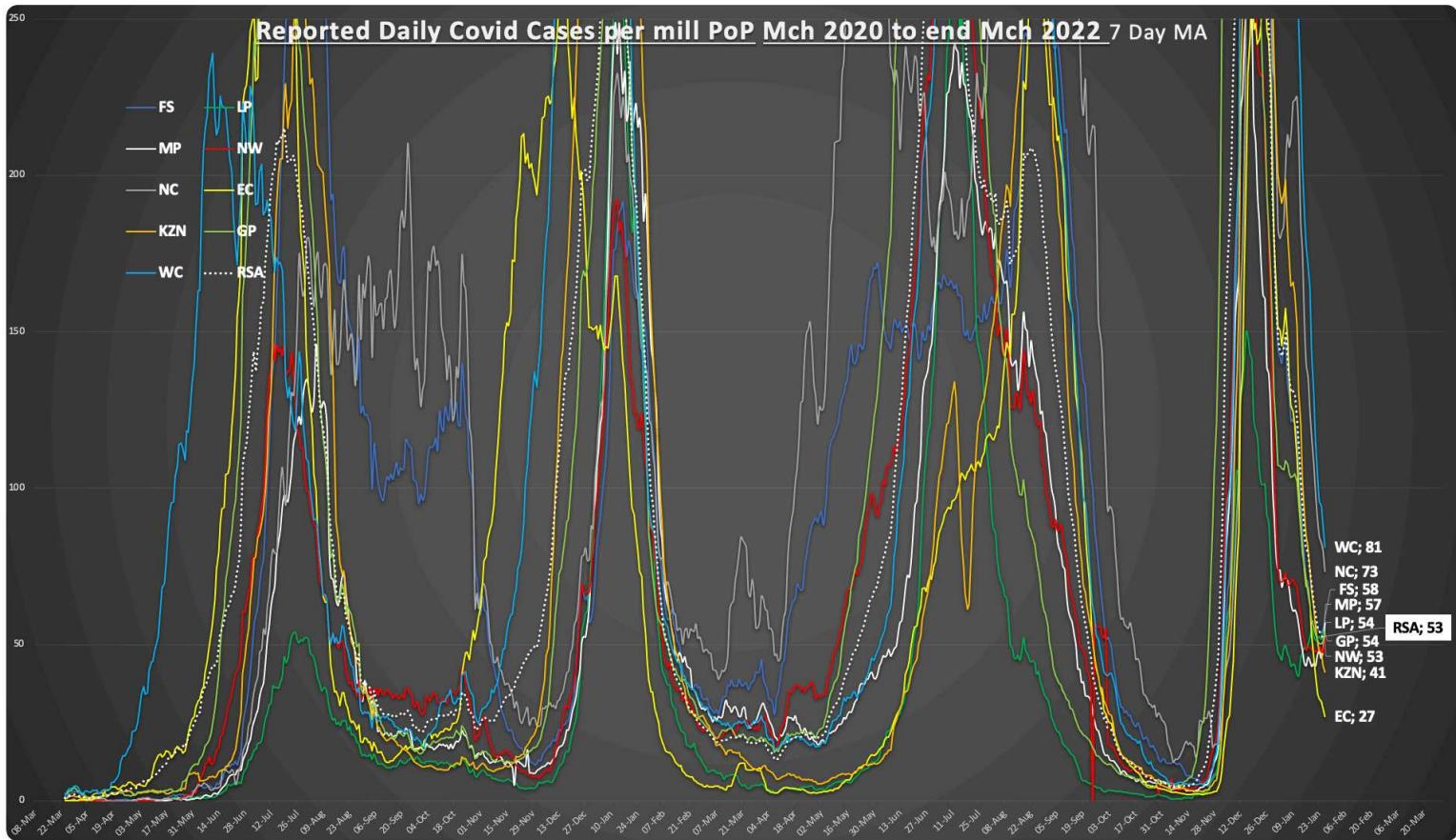


Data as at:

26 January 2022

hdg

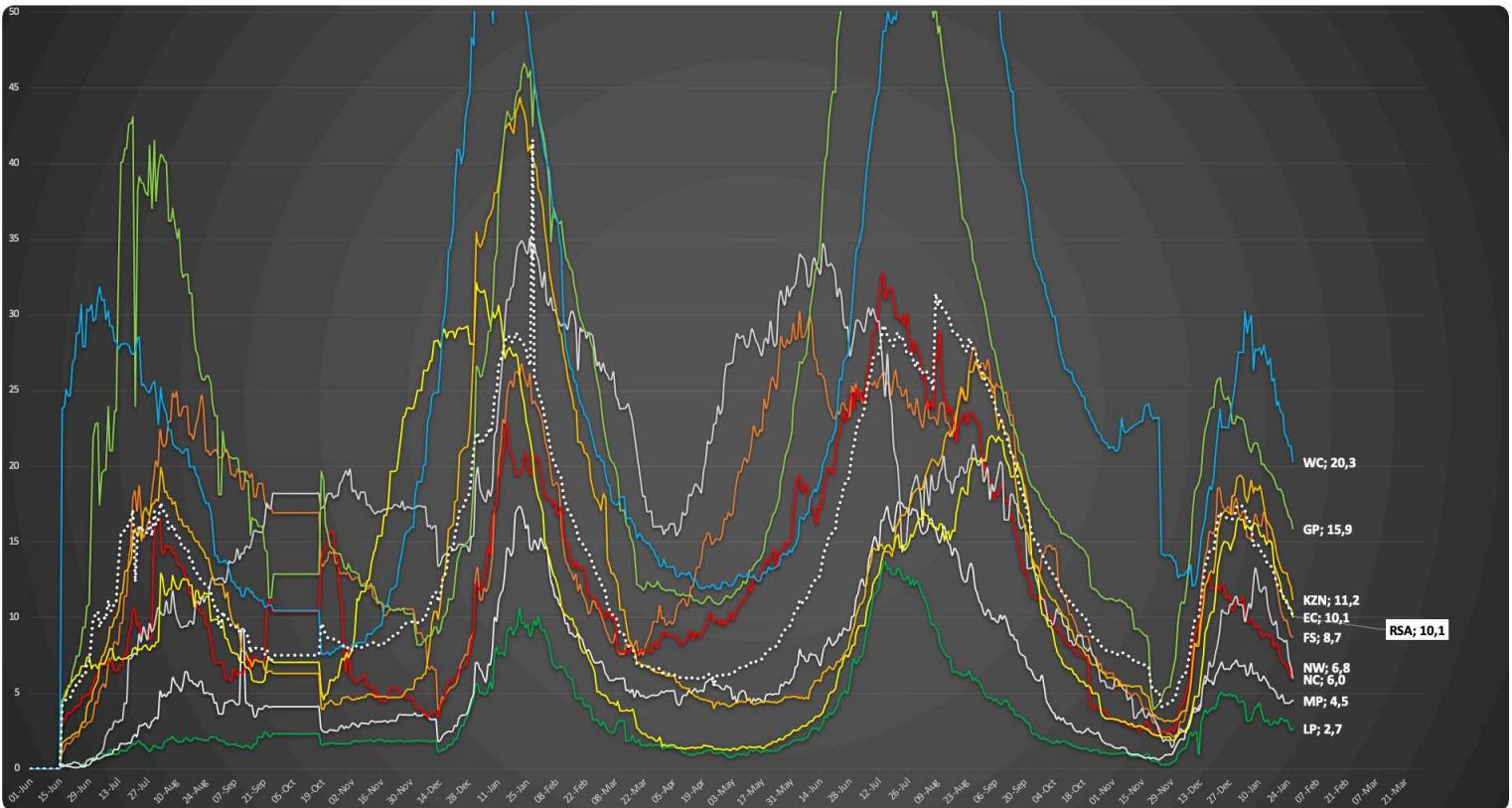
27 January 2022



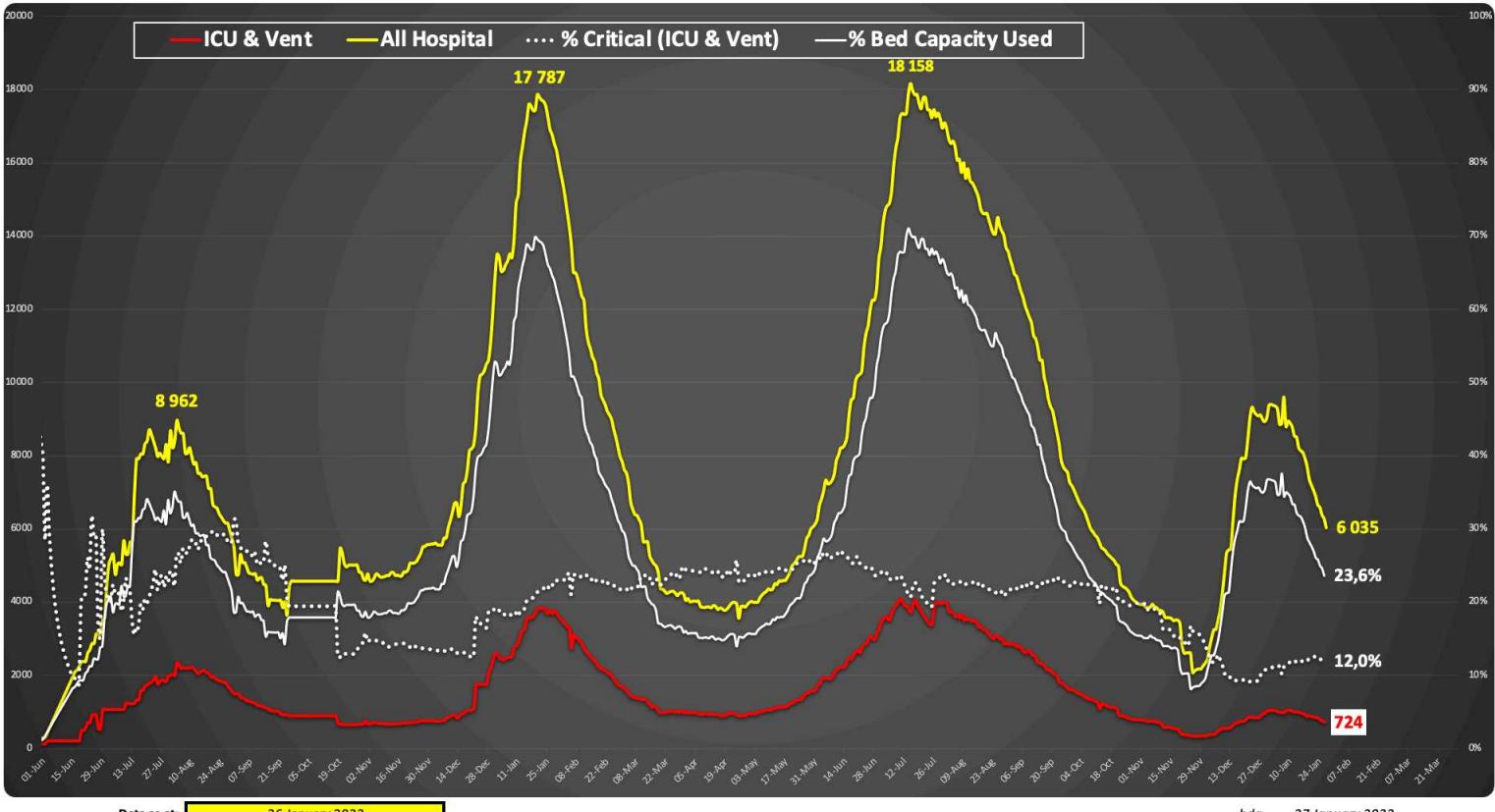
Data as at: 26 January 2022

hdg 27 January 2022

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

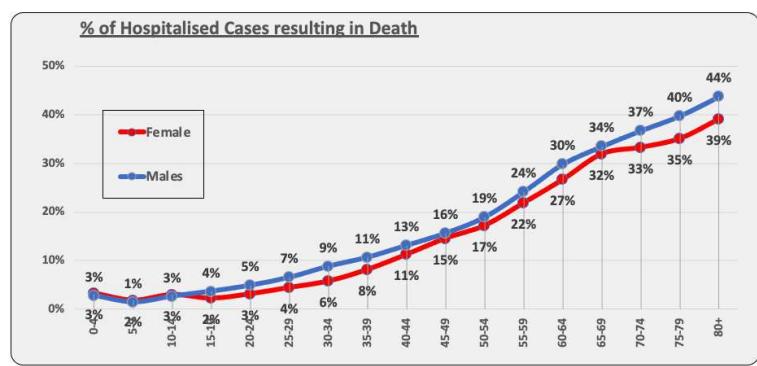
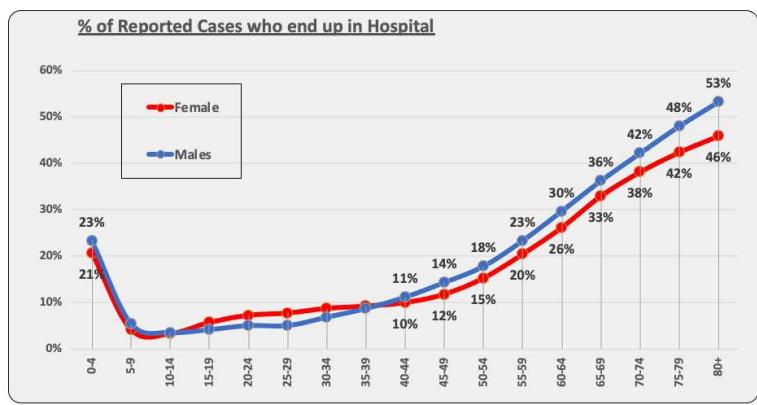
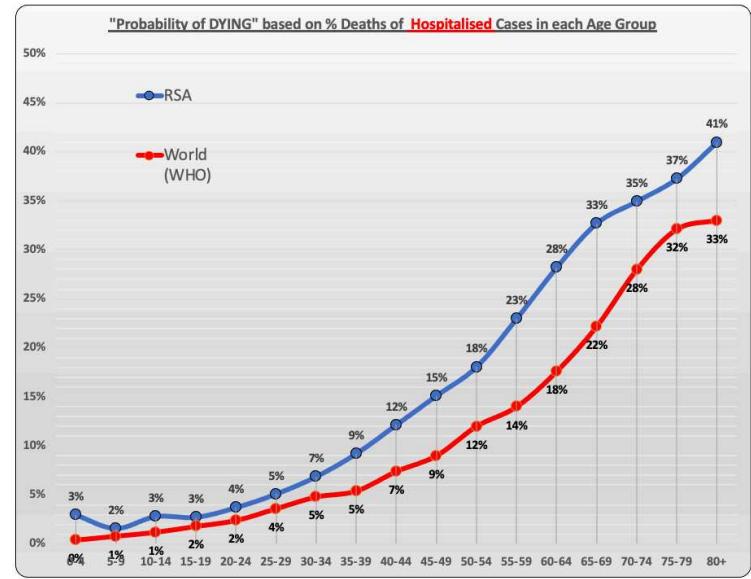
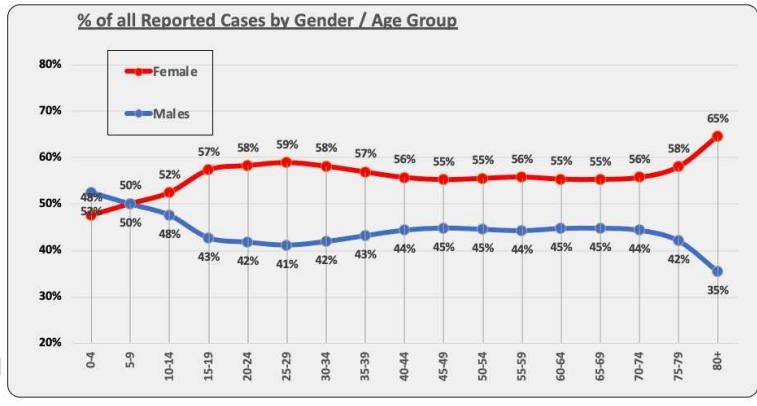
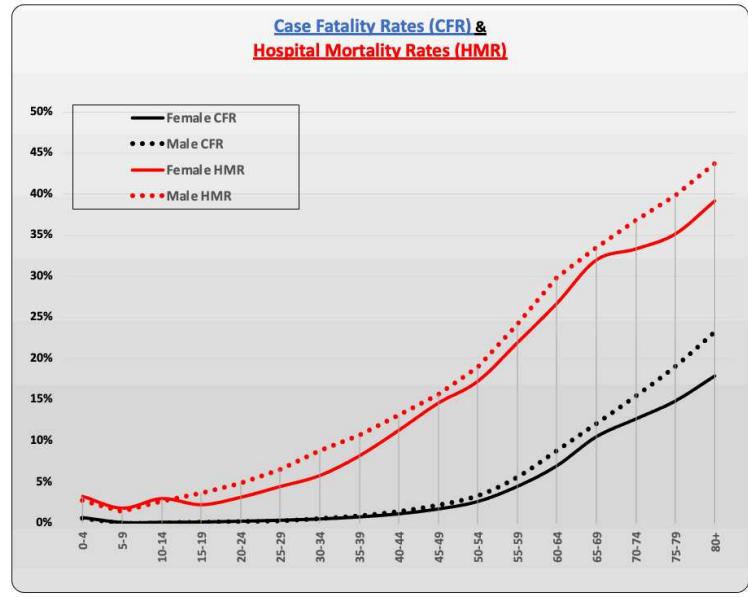
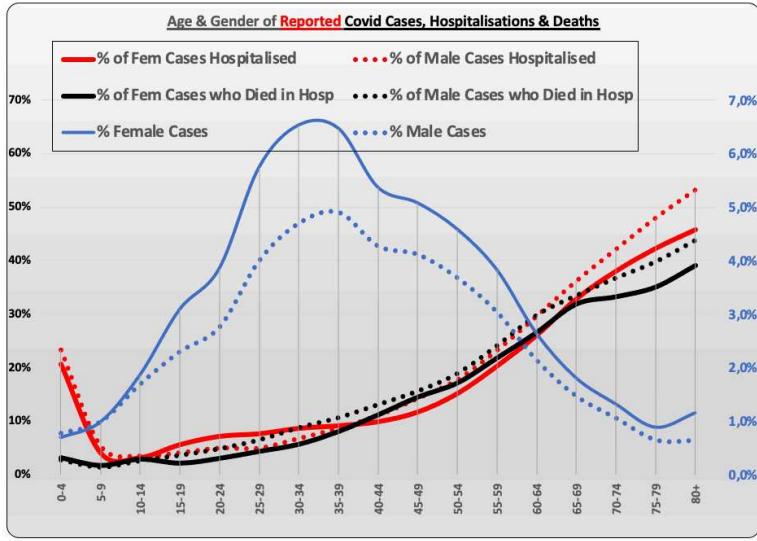
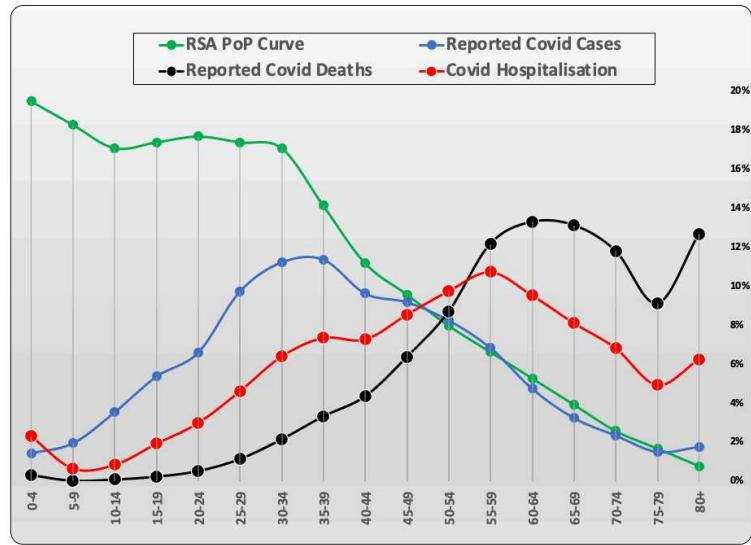


RSA Daily Covid Cases In Hospital : Jun 2020 to end Mch 2022 (actual not MA)



RSA Age & Gender Stats

Page 6



Data as at:

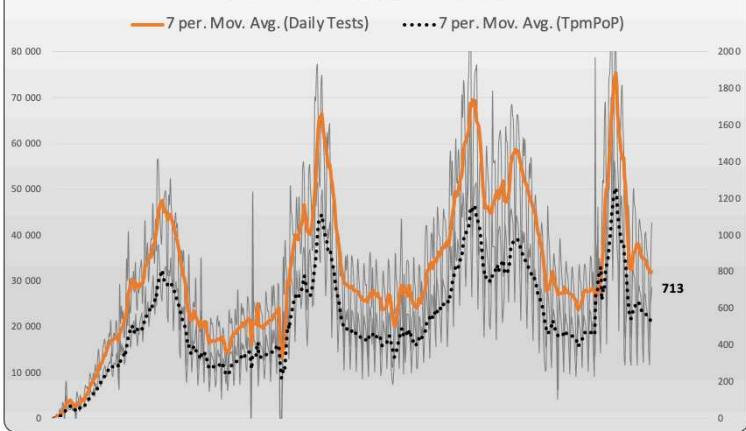
20 January 2022

hdg 27 January 2022

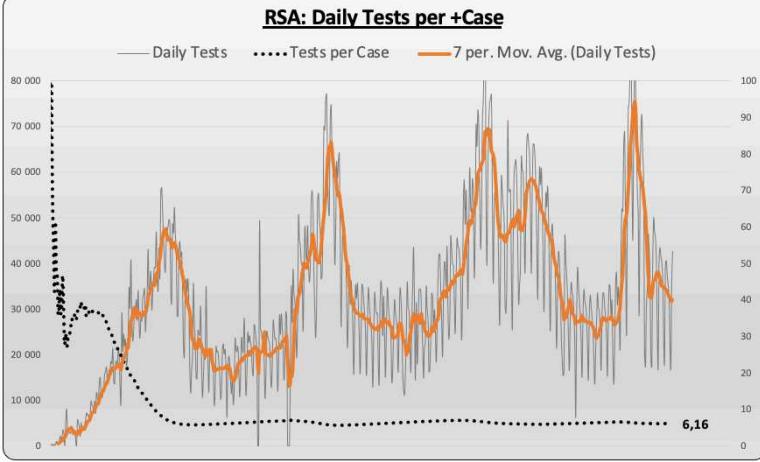
RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 6.1

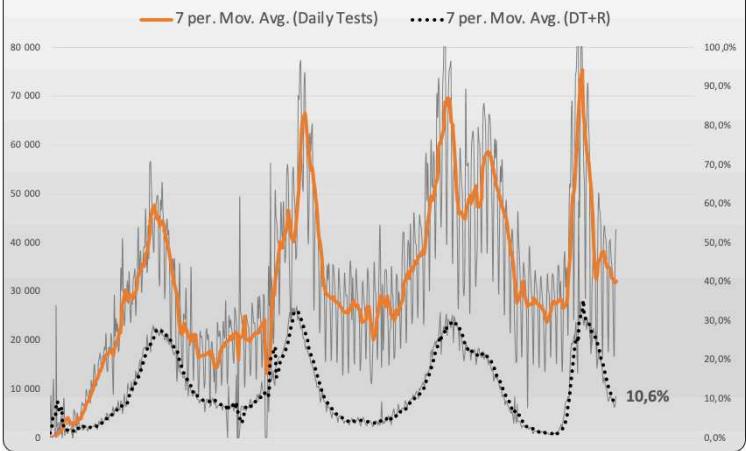
RSA: Daily Tests per million PoP



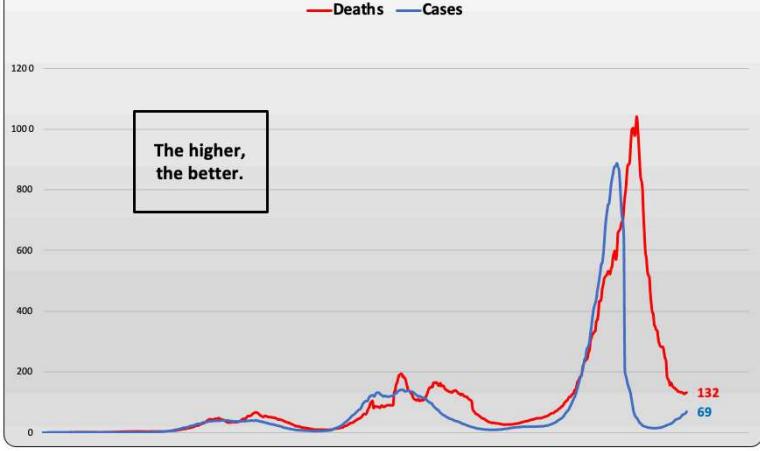
RSA: Daily Tests per +Case



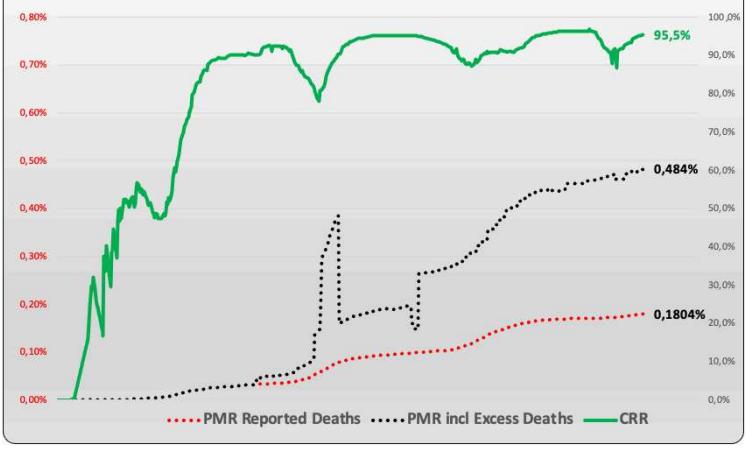
RSA: Daily Tests Positivity %



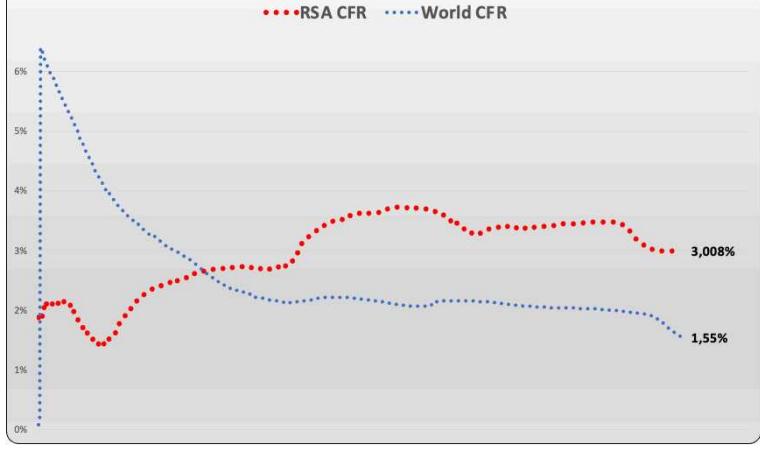
RSA Doubling Times in Days



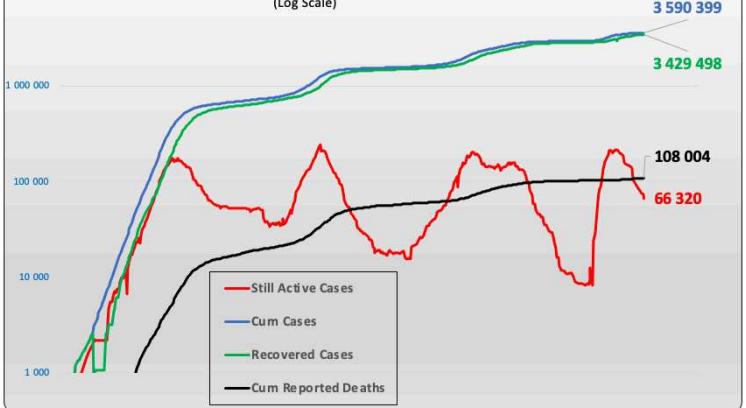
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



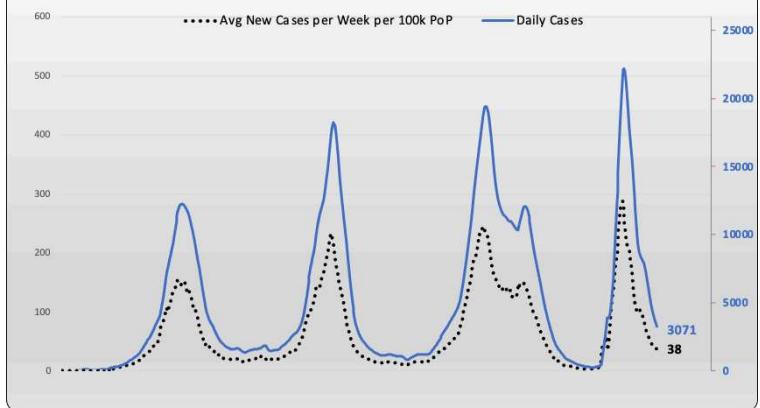
Covid Reported Deaths as % of Reported Cases (CFR)



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



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



Data as at:

26 January 2022

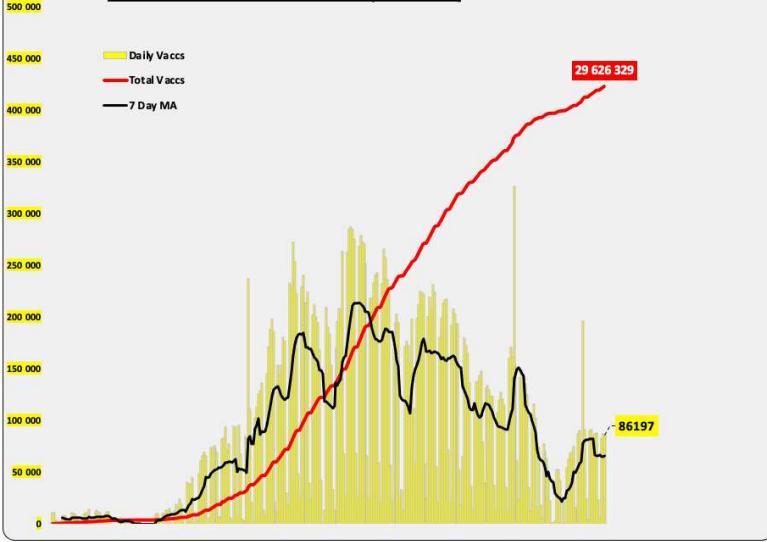
Unless otherwise indicated

hdg

27 January 2022

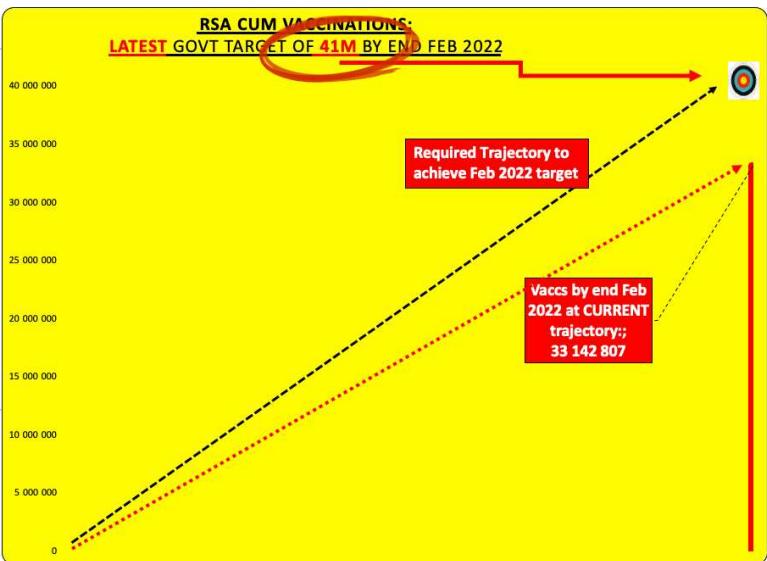
Vaccination Data

RSA DAILY VACCINATIONS (ALL VAX)



RSA CUM VACCINATIONS

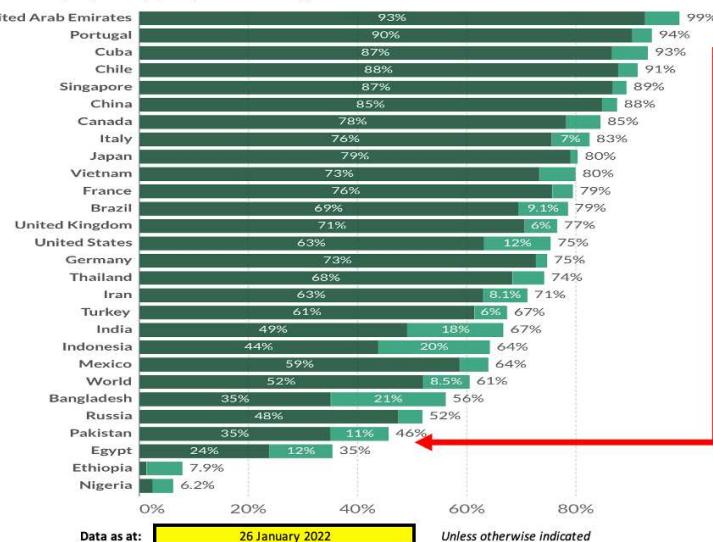
LATEST GOVT TARGET OF 41M BY END FEB 2022



Share of people vaccinated against COVID-19, Jan 23, 2022

Our World in Data

■ Share of people fully vaccinated against COVID-19
■ Share of people only partly vaccinated against COVID-19

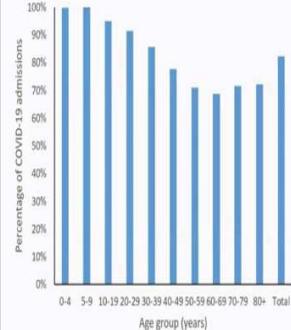


Vaccine Efficacy & Inequality

Percentage of COVID-19 admissions and deaths that were unvaccinated in fourth wave, by age group in years, South Africa

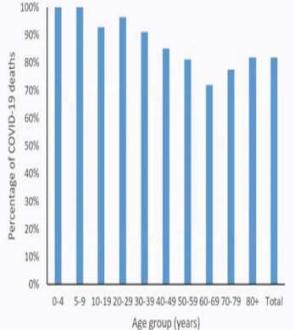
Unvaccinated COVID-19 admissions

(data a/v for 26%: 11,879/45,591)

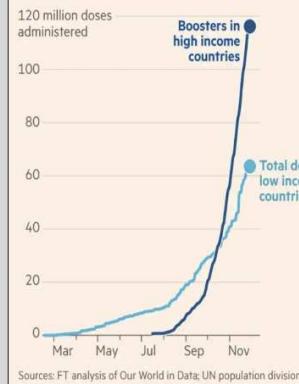


Unvaccinated COVID-19 deaths

(data a/v for 32%: 1,059/3,358)

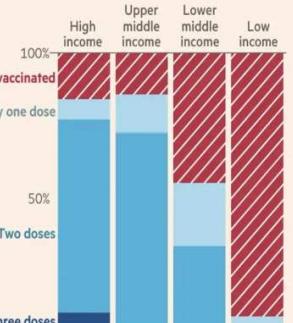


Rich countries have given out far more boosters in four months than poor countries have given total doses all year...



...exacerbating stark inequalities in vaccine coverage

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



COVID-19 Total Adults Fully Vaccinated Summary as at 17:00 23 Jan 2022

(Excluding 12 - 17 Years)

Total Adult Population by Province [18 Years and Older] (1)		Adults Fully Vaccinated as a % of the Adult Population (3)	
Total Number of Adults Fully Vaccinated (2)		Adults Fully Vaccinated as a % of the Adult Population	
39,798,201	16,262,118	40.86%	
Eastern Cape	1,842,812	44.95%	
Free State	951,571	49.70%	
Gauteng	4,228,445	37.38%	
KwaZulu-Natal	2,501,153	34.64%	
Limpopo	1,762,630	47.69%	
Mpumalanga	1,104,117	36.33%	
North West	1,116,396	41.45%	
Northern Cape	368,798	43.51%	
Western Cape	2,386,196	47.95%	
Total	39,798,201	16,262,118	40.86%
Age Group		Total Adults Fully Vaccinated	Individuals Fully Vaccinated as a % of the Adult Population
Total		39,798,201	16,262,118
18-34 Years	17,788,311	4,792,740	26.94%
35-49 Years	11,486,937	5,350,727	45.79%
50-59 Years	4,817,271	2,796,350	58.05%
60+ Years	5,505,482	3,119,307	60.29%
Unidentified	0	2,994	0.00%

hdg 27 January 2022

Some food for thought.....



Ancient Origins @ancientorigins · 19h

This is a plague stone from 1666. They were put on street corners, filled with vinegar, and used to wash hands/money. It was the 1600s version of a sanitizing station.

ancient-origins.net

