

HarryG COVID-19 StatsPack

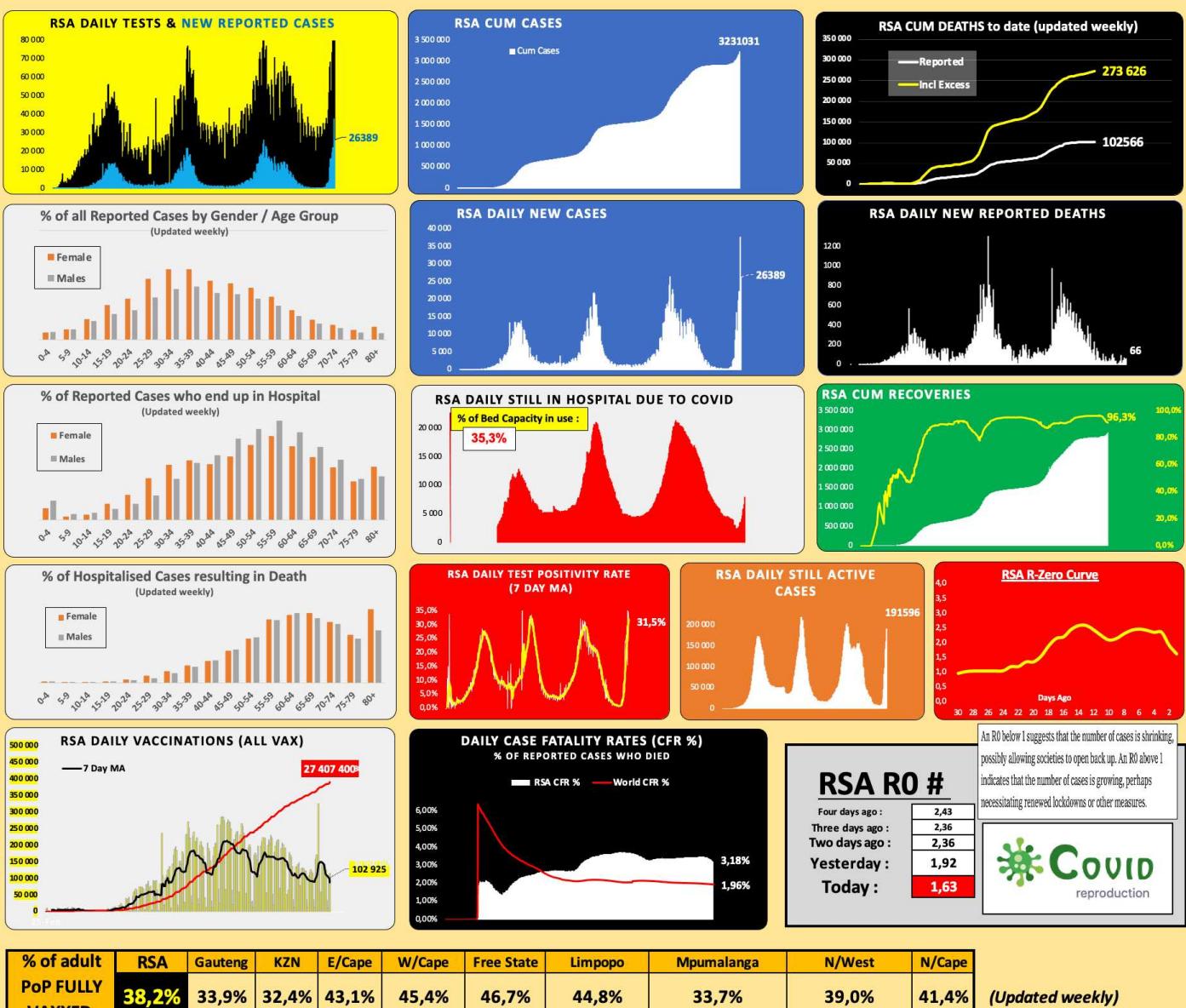
Deteriorating

Improving

Against
Previous Day

Page 1

Cum Cases		Daily Cases		RSA COVID-19 DASHBOARD as at: 16-Dec-21	Daily Still in Hospital	Case Fatality Rates (CFR): Reported Cases Hospital Cases		Vaccinations:		Time to achieve Govt Target of 41m vaccs	
3 231 031	26 389				7339	3,18%	21,49%	Daily Avg	92 906	1,19	Yrs
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP			% of RSA PoP who have died to date : Reported Deaths Incl Excess Deaths		7 Day MA Vaccs per day	89 394	1,24	Yrs	
191 596	53 960	1718			0,172% 0,468%		Total to date:	27 407 400			
Deaths Ages	Deaths Avg	Deaths Median	Deaths Min Age		% of RSA PoP who have died to date PROJECTED to end 2021: Reported Deaths Incl Excess Deaths		Cum Tests	Daily Tests			
Avg	Median	Min Age	Max Age		0,23% 0,57%		20 436 207	83 864			
8,5	64,2	0,2	108				Daily Test Positivity Rate:	31,5%			
Female : Male :											
04-Dec											



% of adult PoP FULLY VAXXED:	RSA	Gauteng	KZN	E/Cape	W/Cape	Free State	Limpopo	Mpumalanga	N/West	N/Cape	(Updated weekly)
38,2%	33,9%	32,4%	43,1%	45,4%	46,7%	44,8%	33,7%	39,0%	41,4%		

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

Data as at: 15 December 2021

Unless otherwise indicated

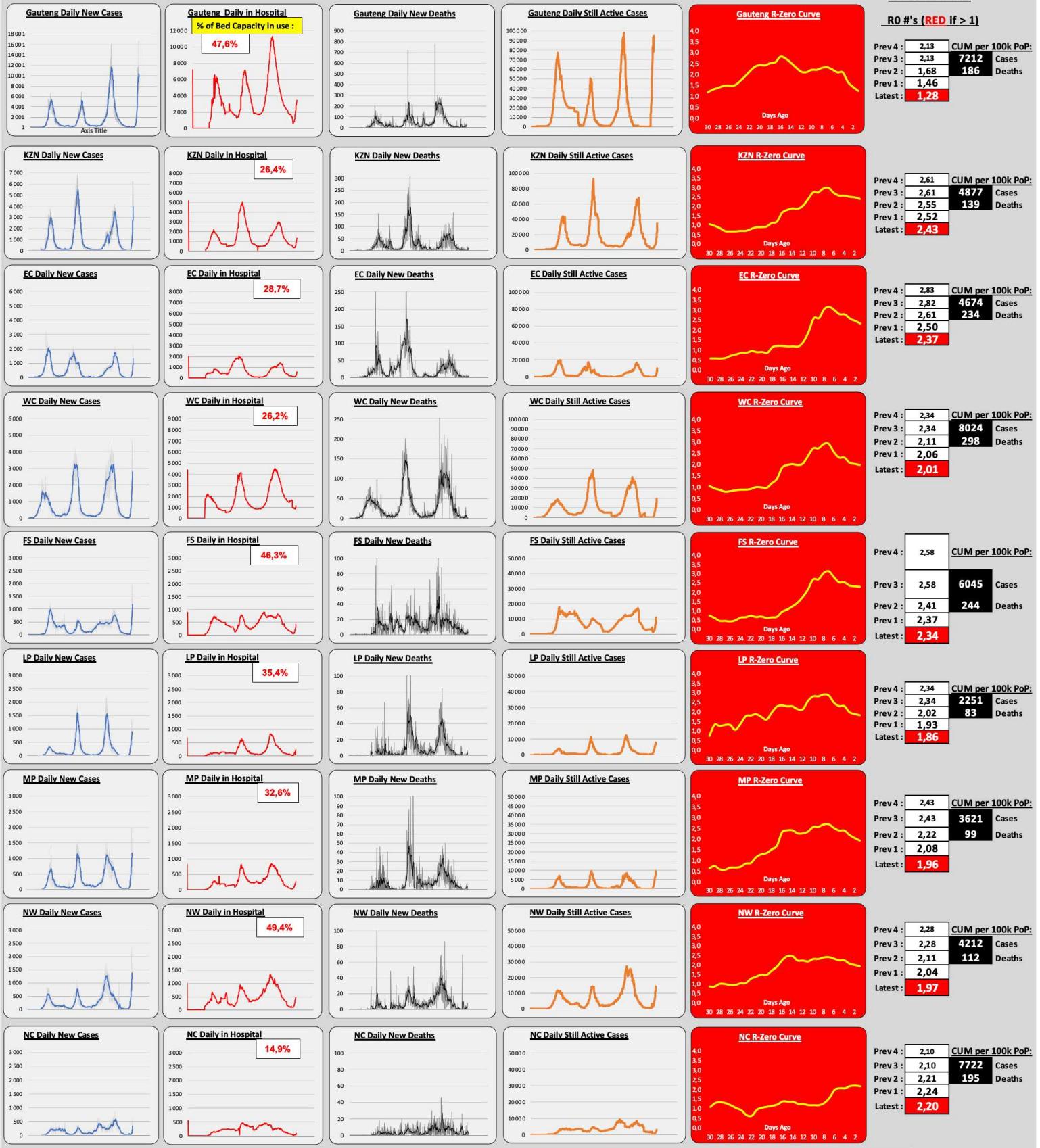
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RSA Provinces detailed daily Data and Trends Jan 2020 to Mch 2022

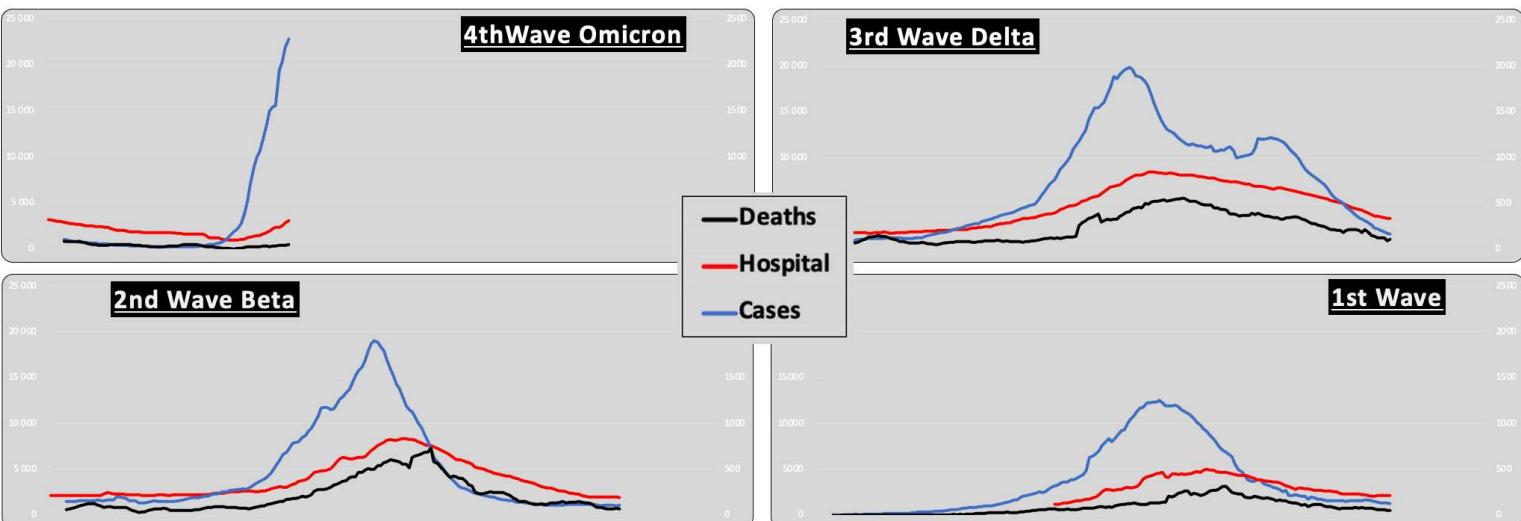
Latest Provincial

R0 #'s (RED if > 1)

Prev 4 : 2,13	CUM per 100k PoP:
Prev 3 : 2,13	7212 Cases
Prev 2 : 1,68	186 Deaths
Prev 1 : 1,46	
Latest : 1,28	



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

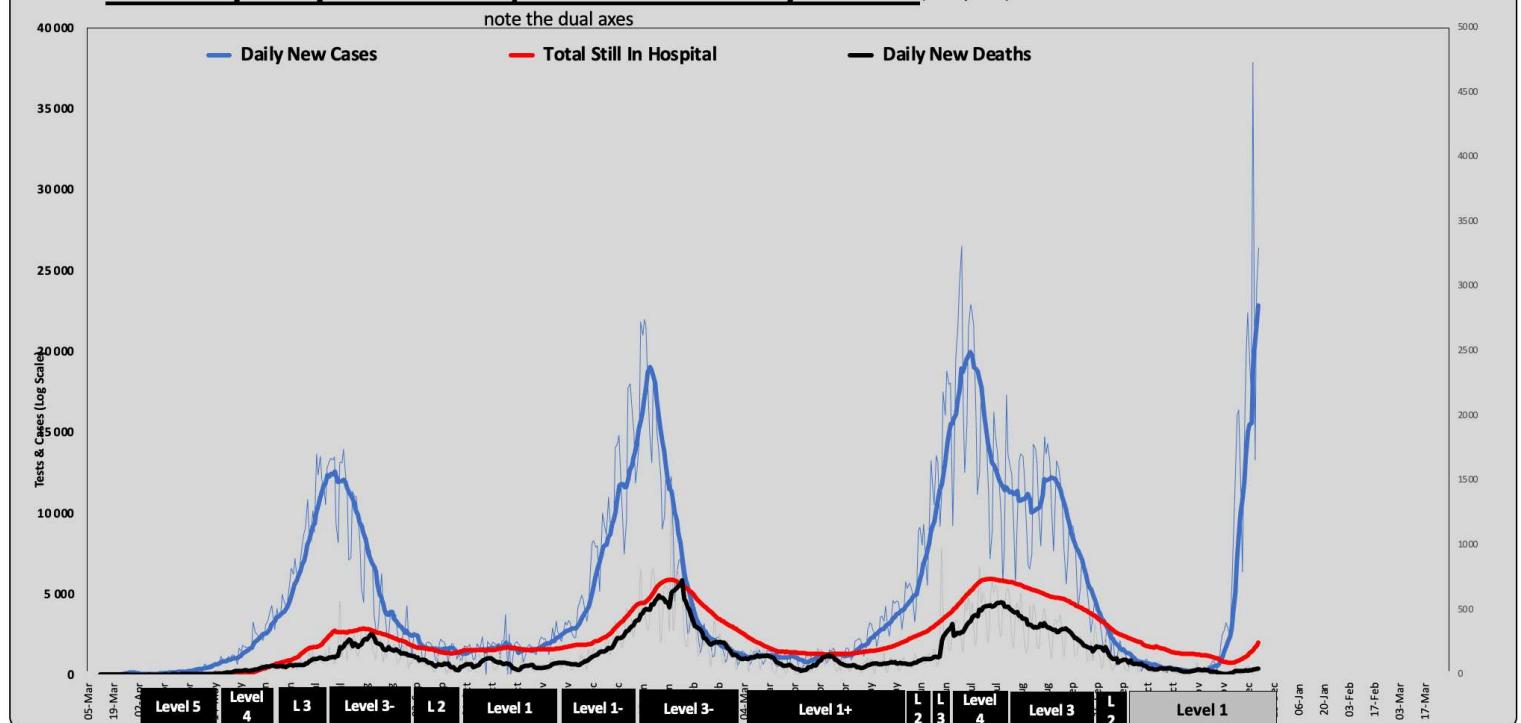


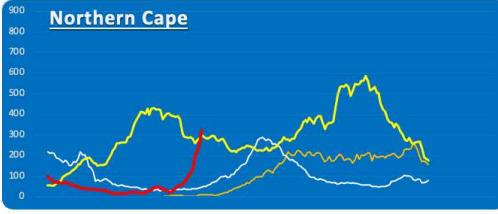
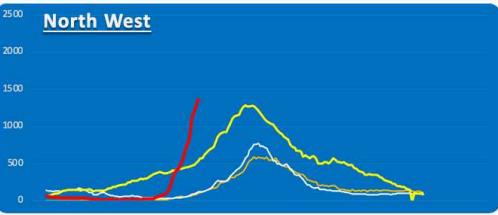
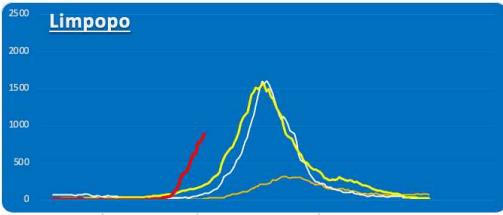
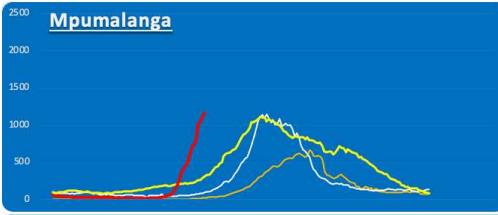
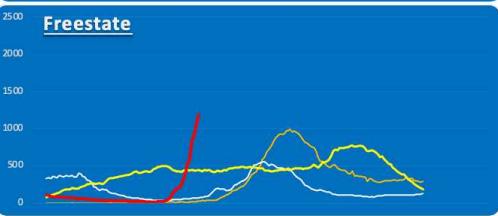
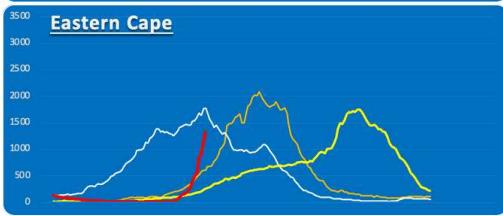
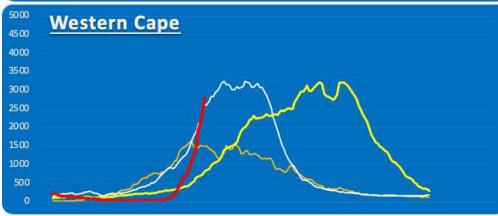
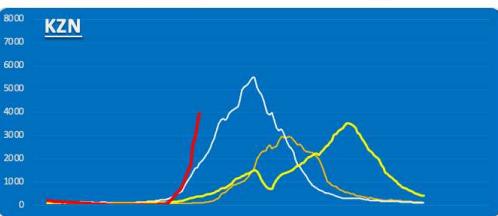
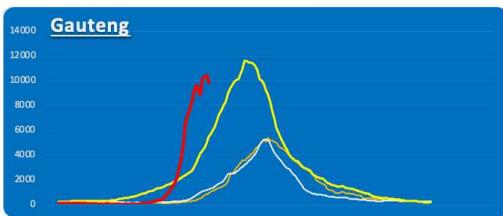
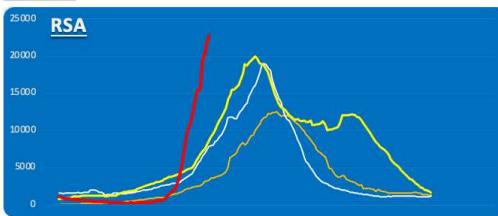
Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

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



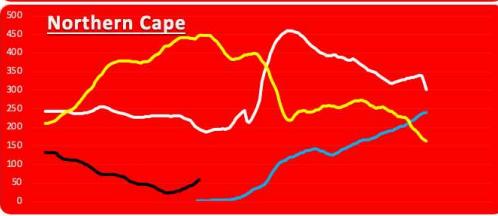
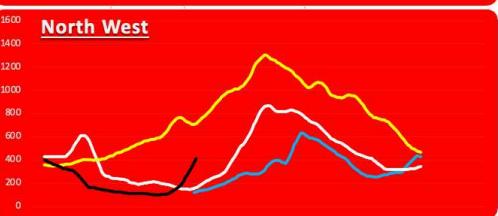
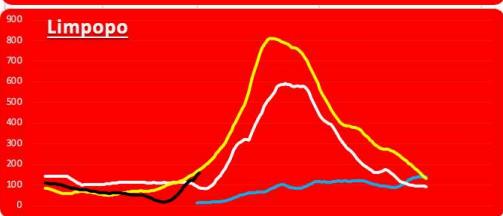
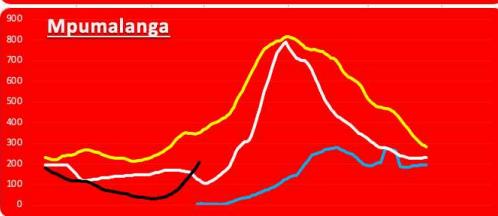
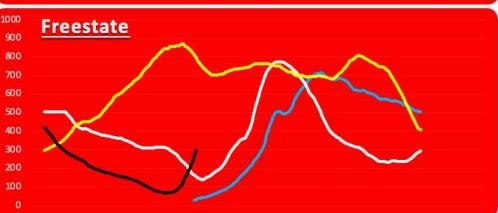
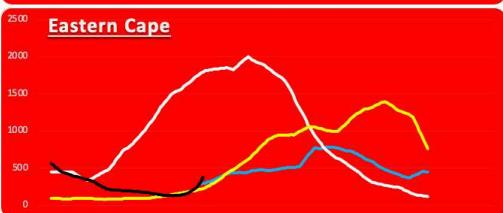
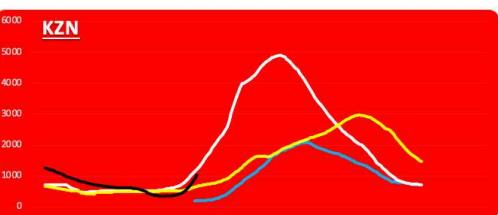
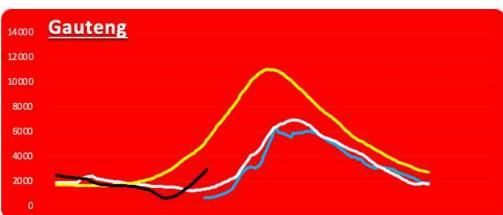
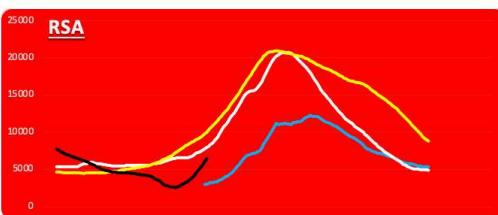


CASES

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.



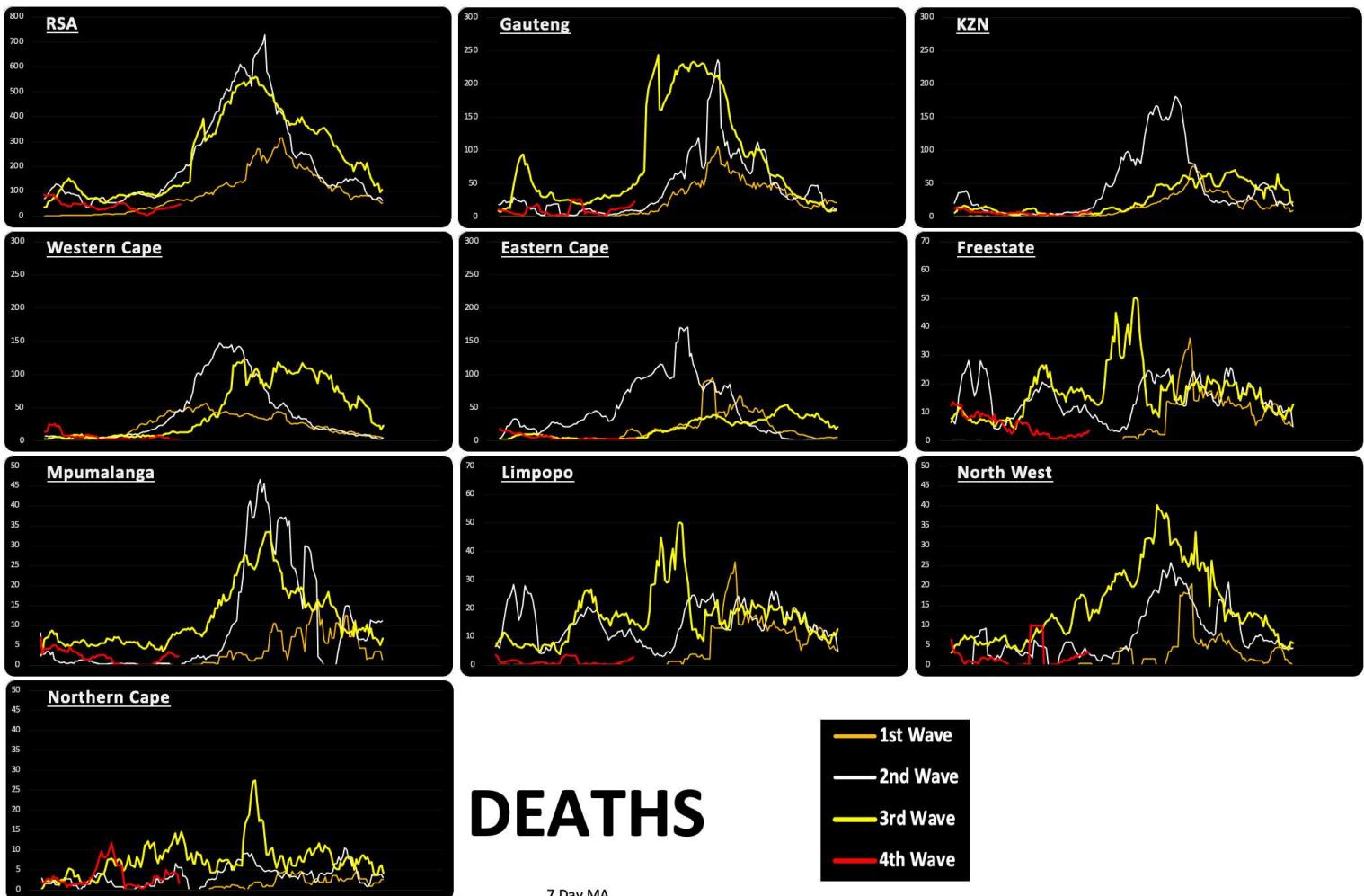
HOSPITALISED

7 Day MA

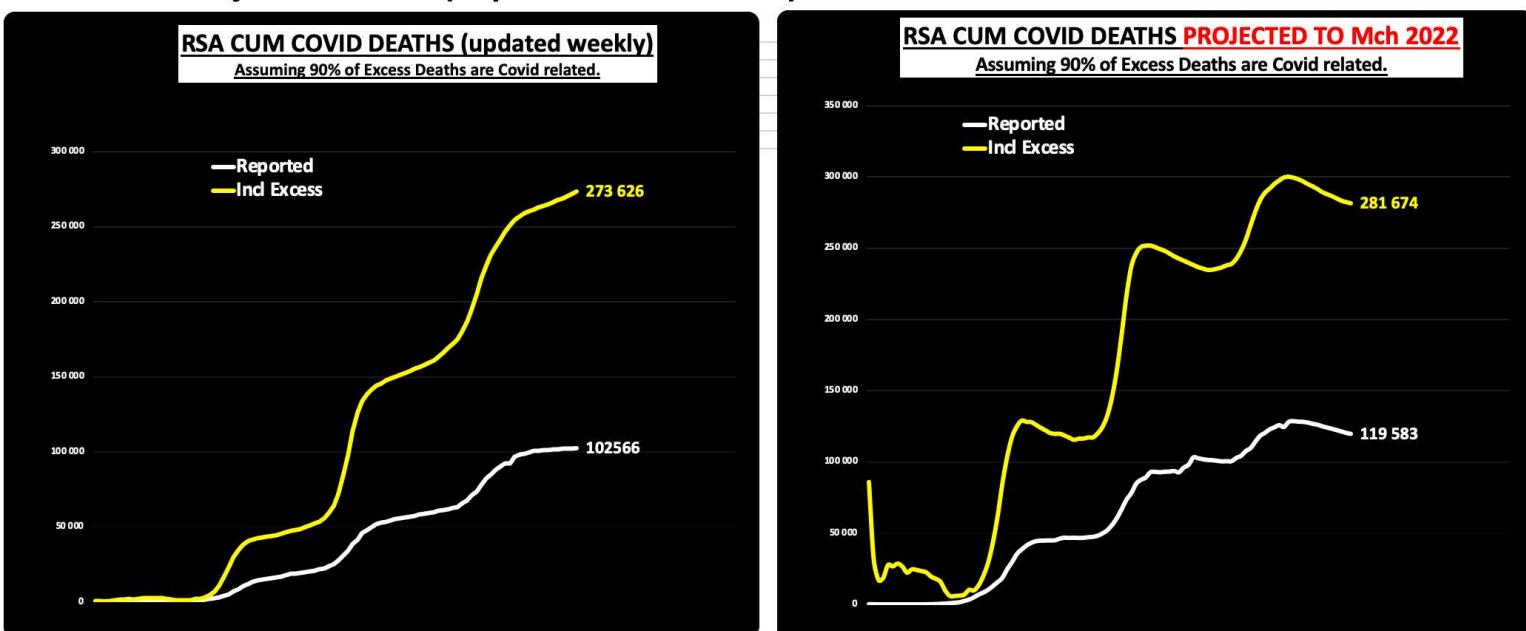
- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

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

Page 2.2

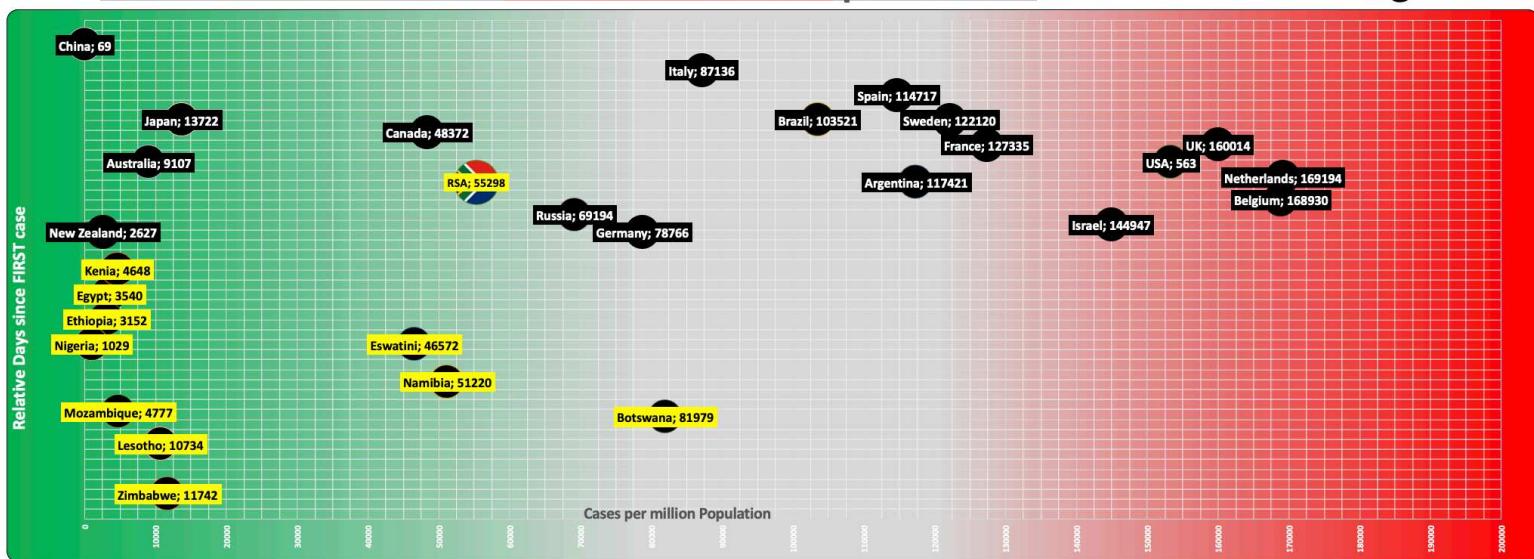


RSA Cum & Projected Deaths (Reported & Incl Excess)

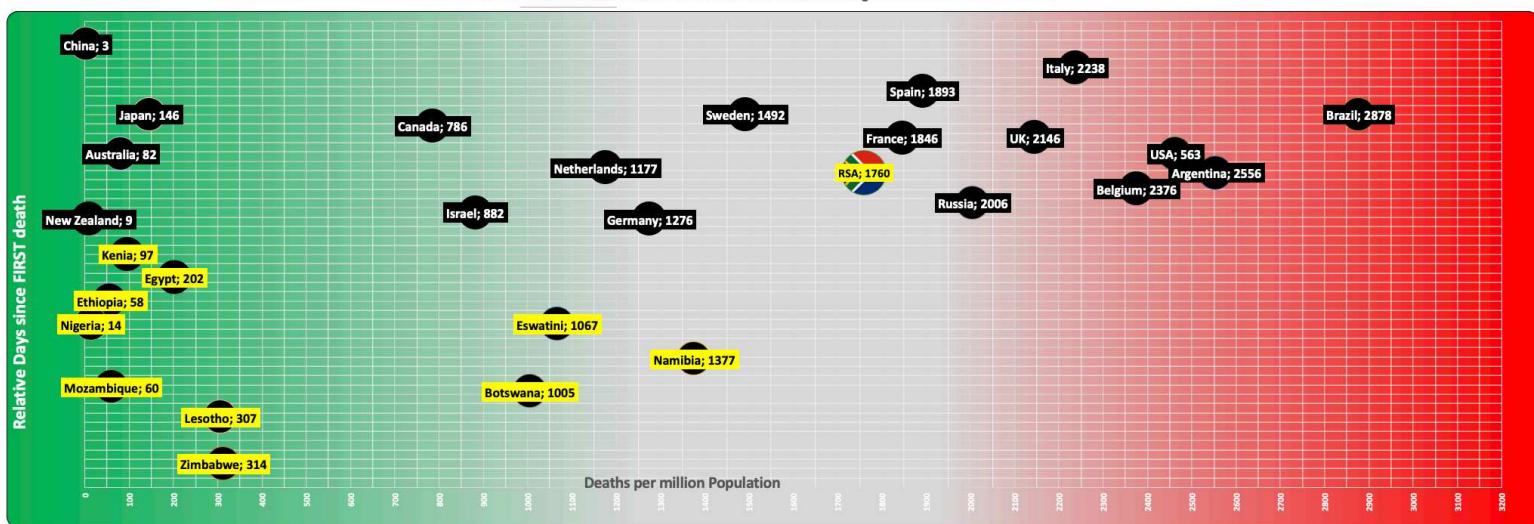


Selected Countries' Cum **REPORTED CASES** per mill PoP

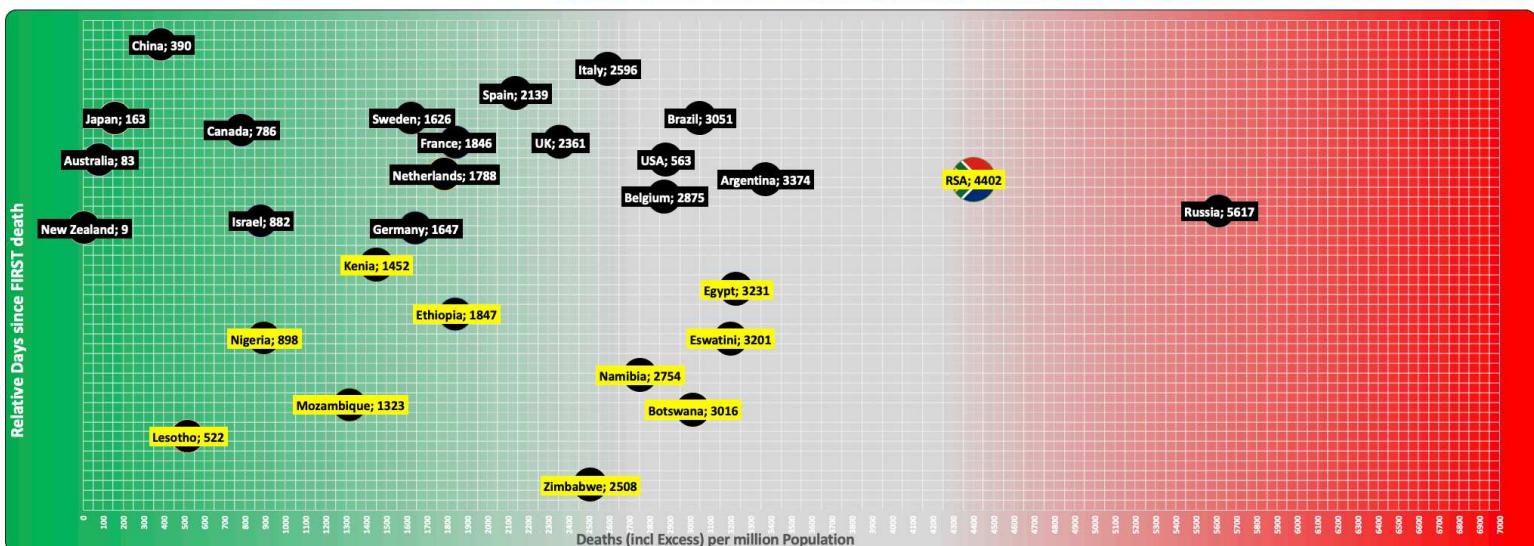
Page 2.3



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



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



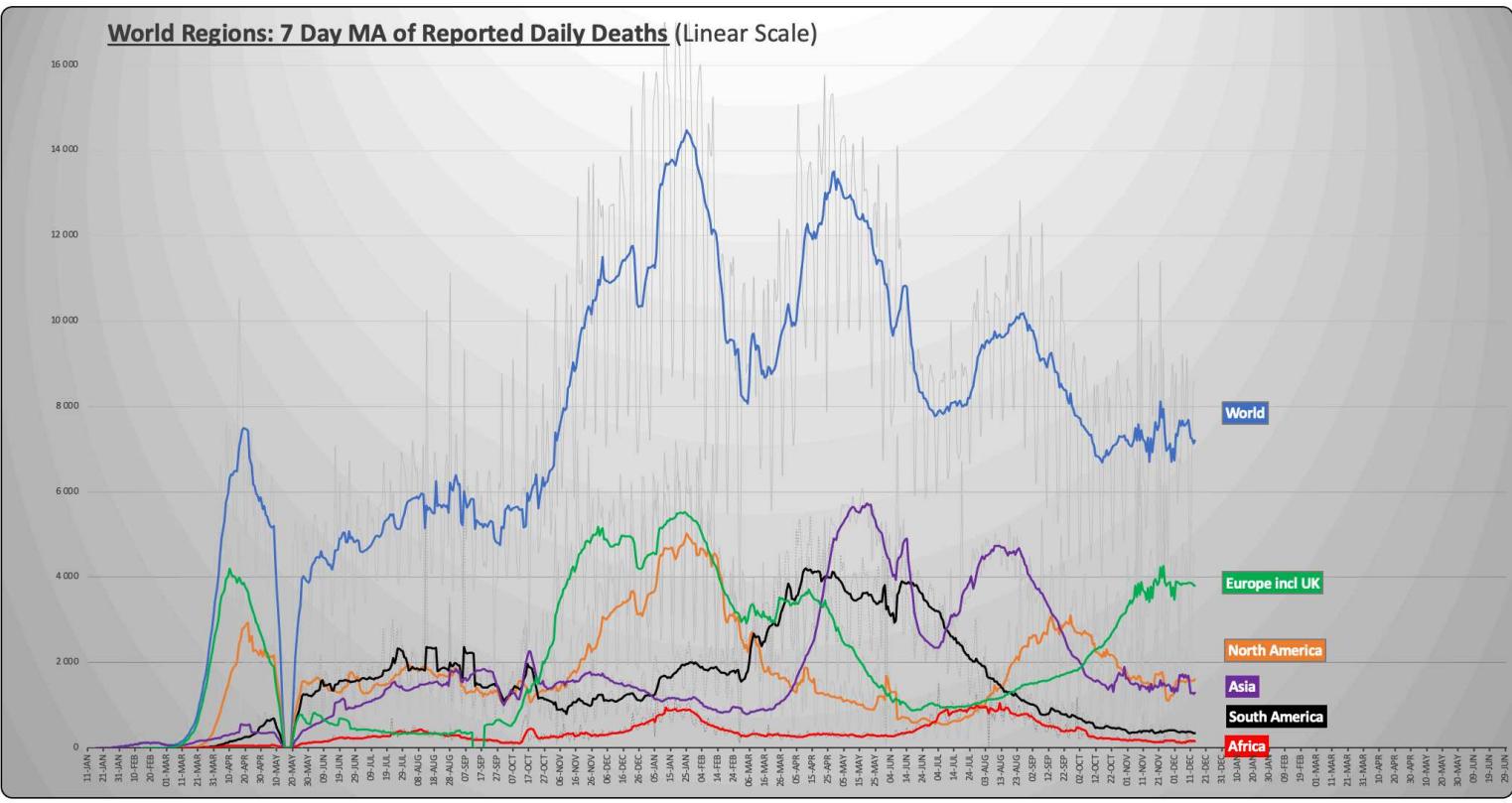
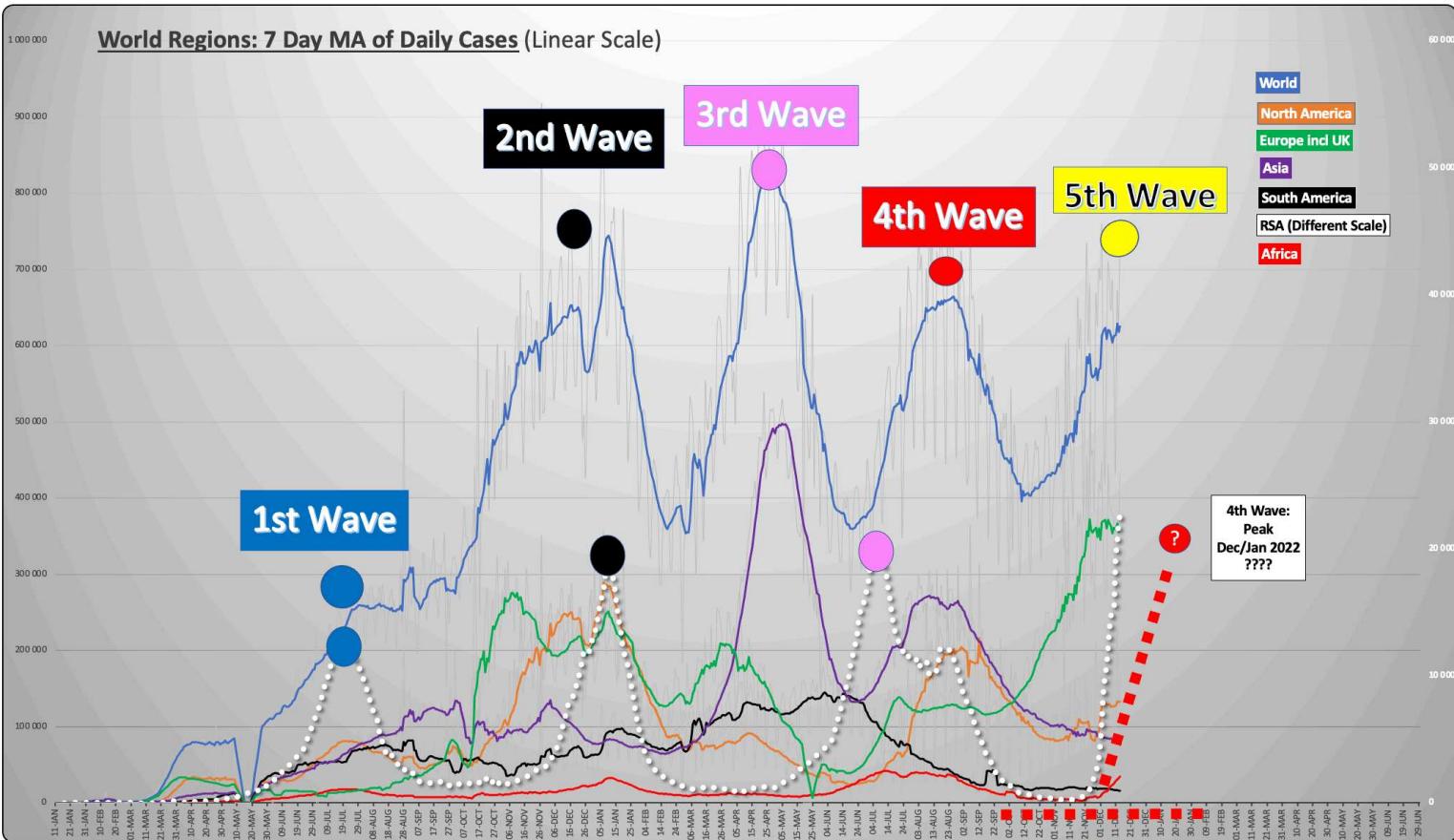
Data as at: 15 December 2021

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

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

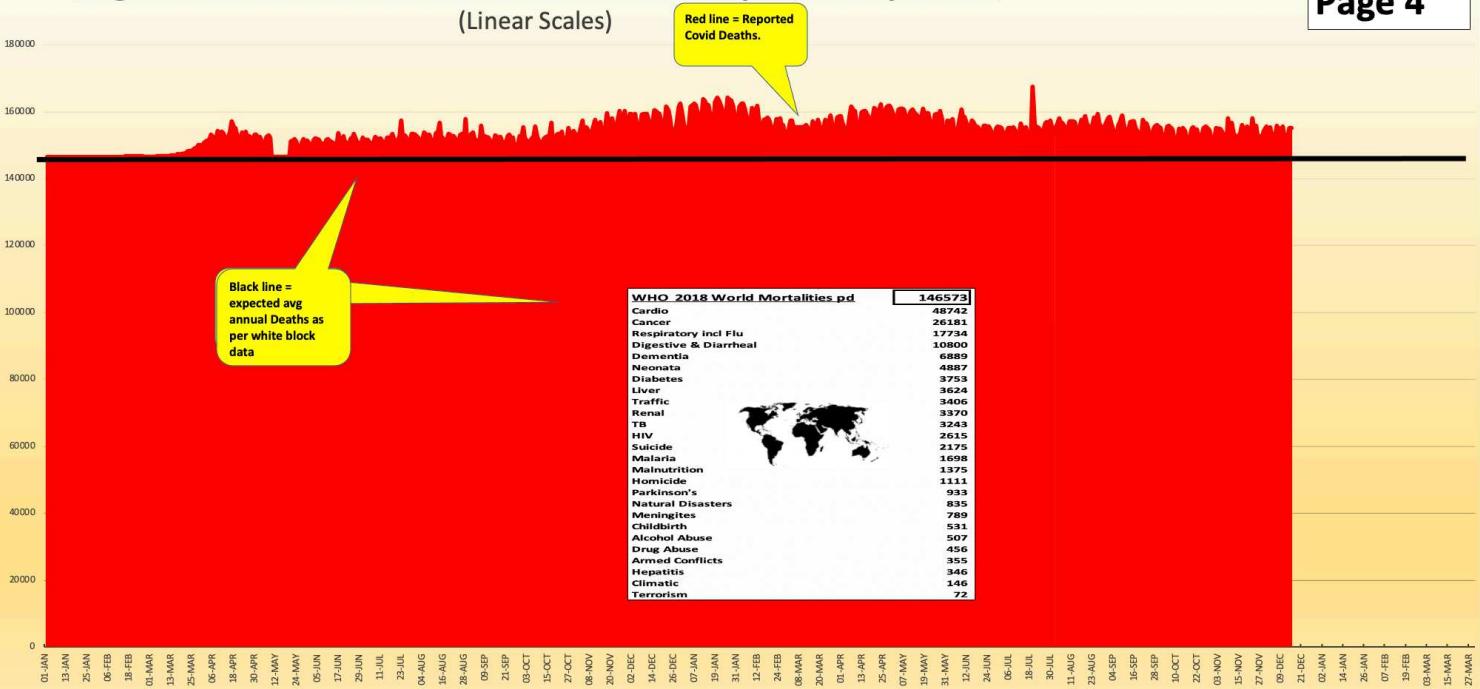
Page 3.0



Data as at: 16 December 2021 Unless otherwise indicated

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



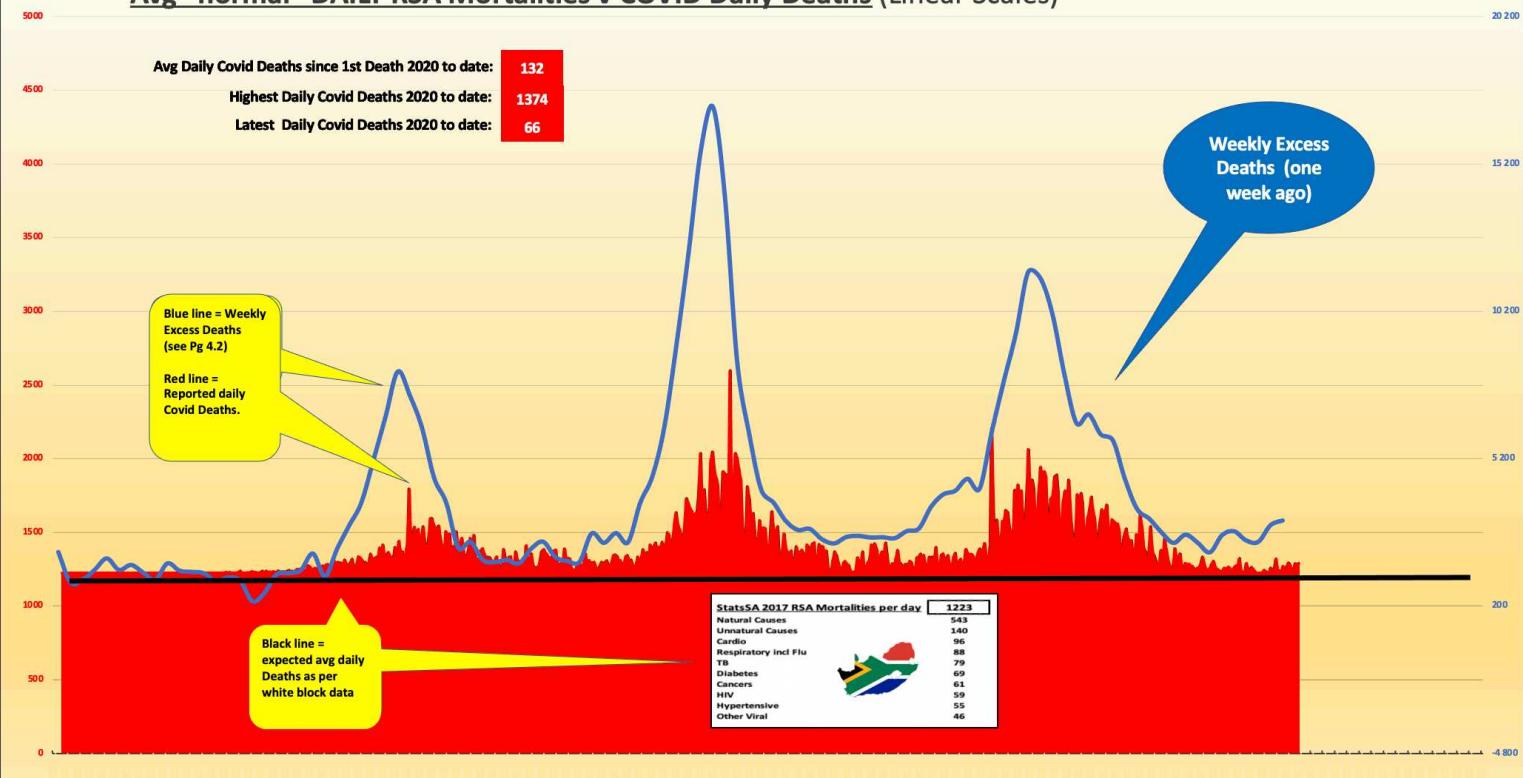
The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

The big RED blocks below the black lines are TOTAL Daily Avg Deaths from ALL causes.

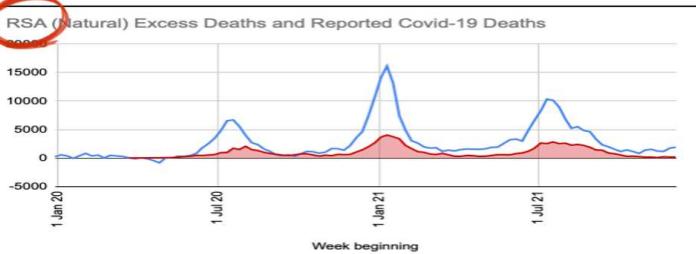
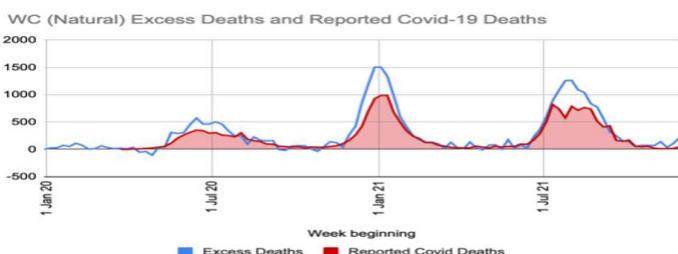
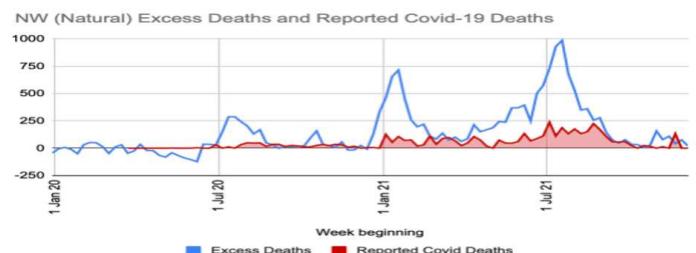
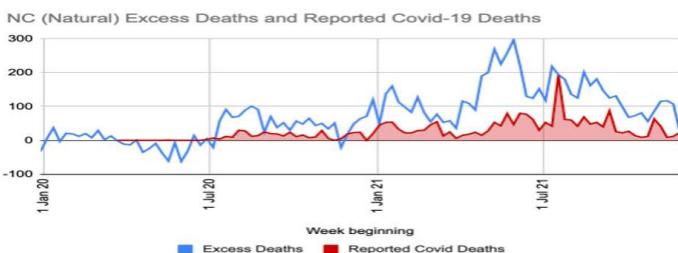
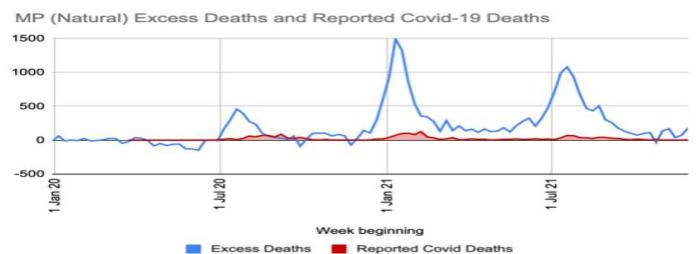
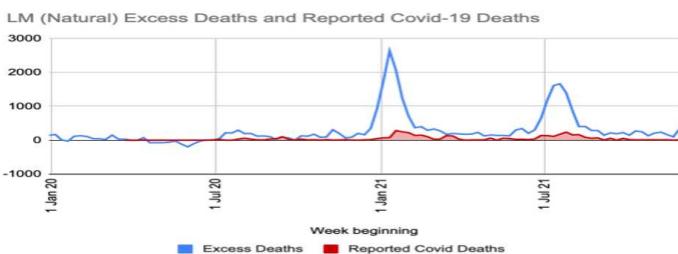
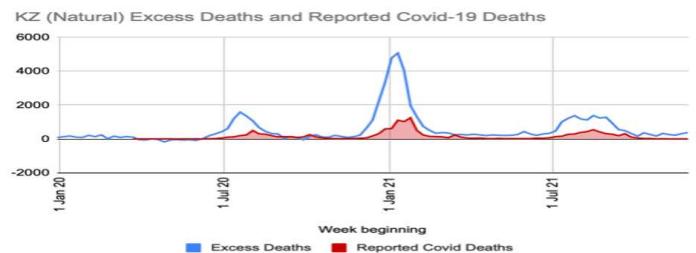
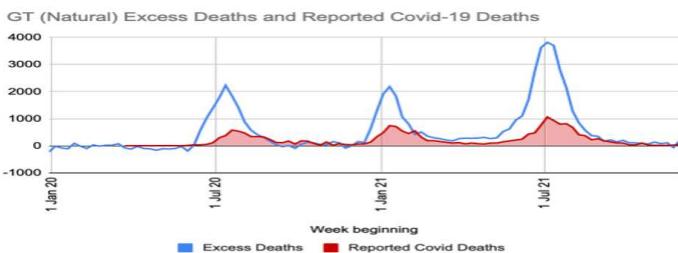
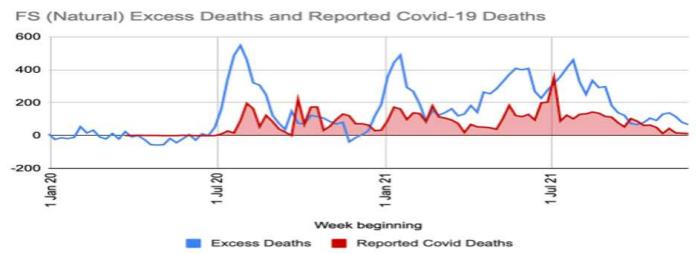
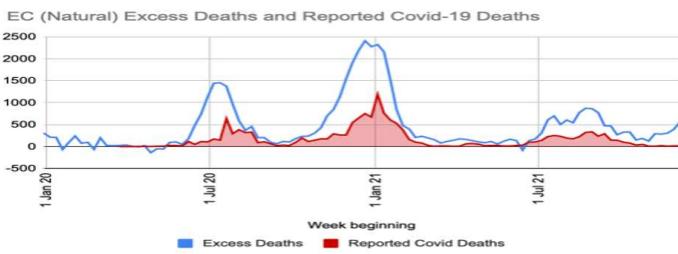
The RED area/lines on top of the red blocks are the INCREMENTAL Actual Daily Deaths due to Covid as officially reported.

The BLUE line in the bottom RSA graph shows the SAMRC Excess Deaths weekly numbers.

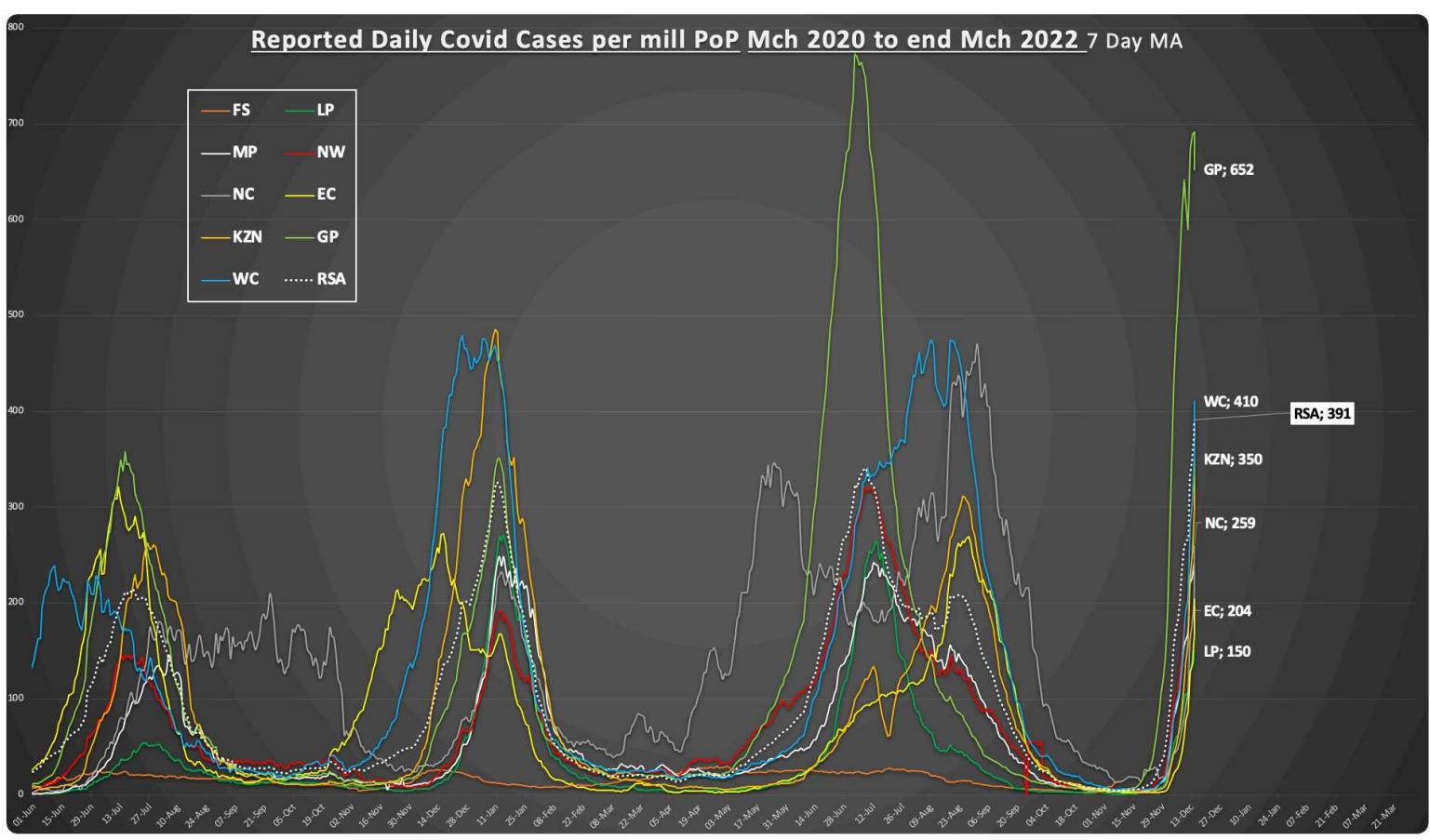
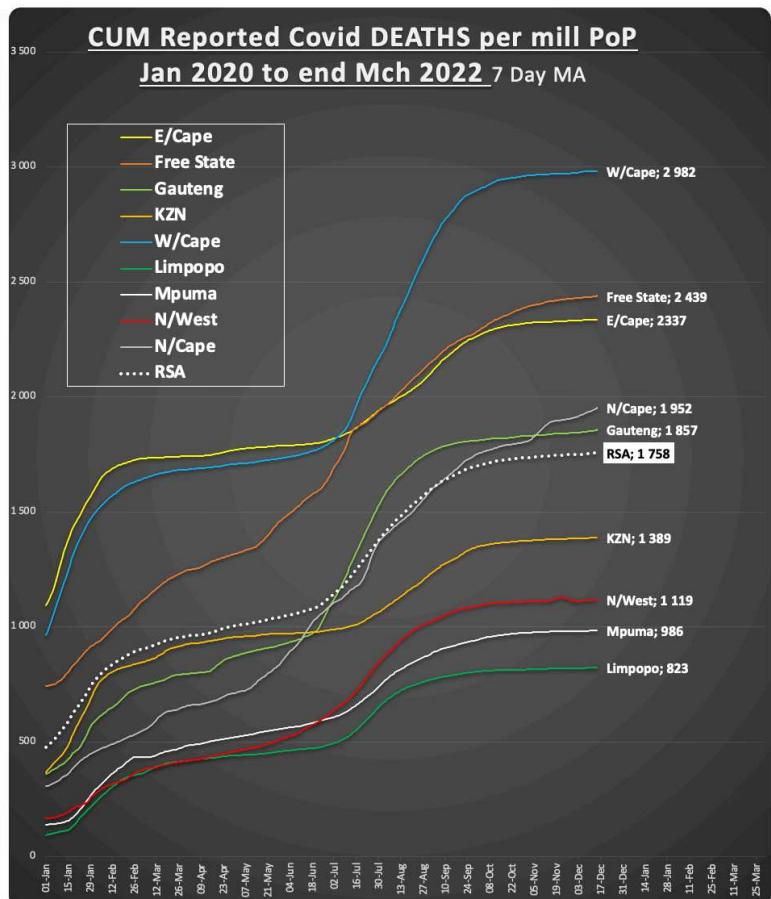
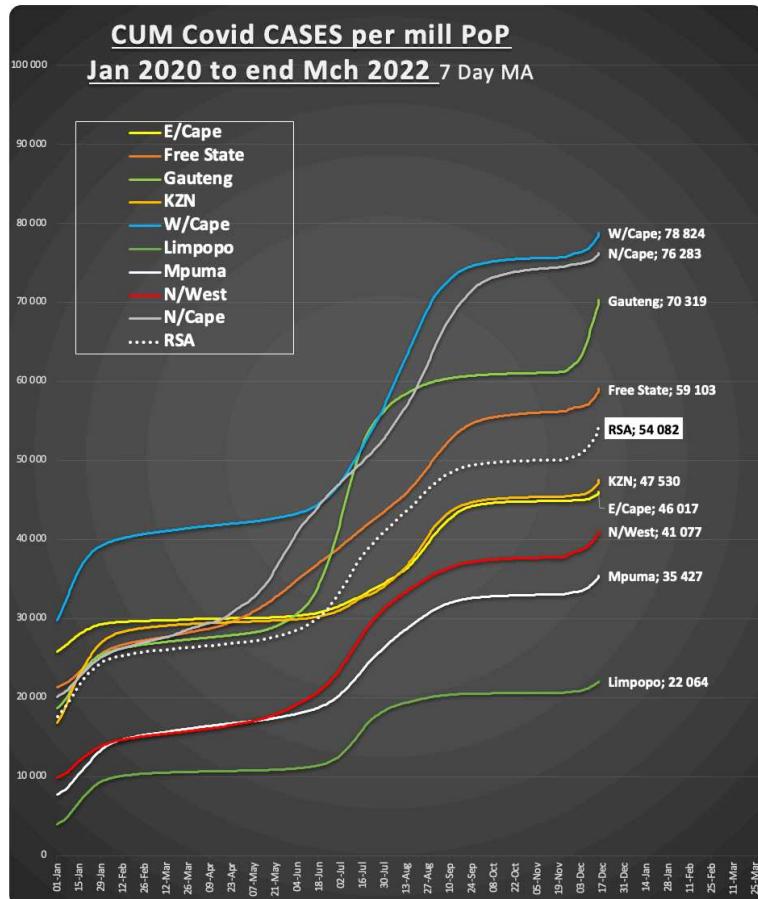
Avg "normal" DAILY RSA Mortalities v COVID Daily Deaths (Linear Scales)



Provinces

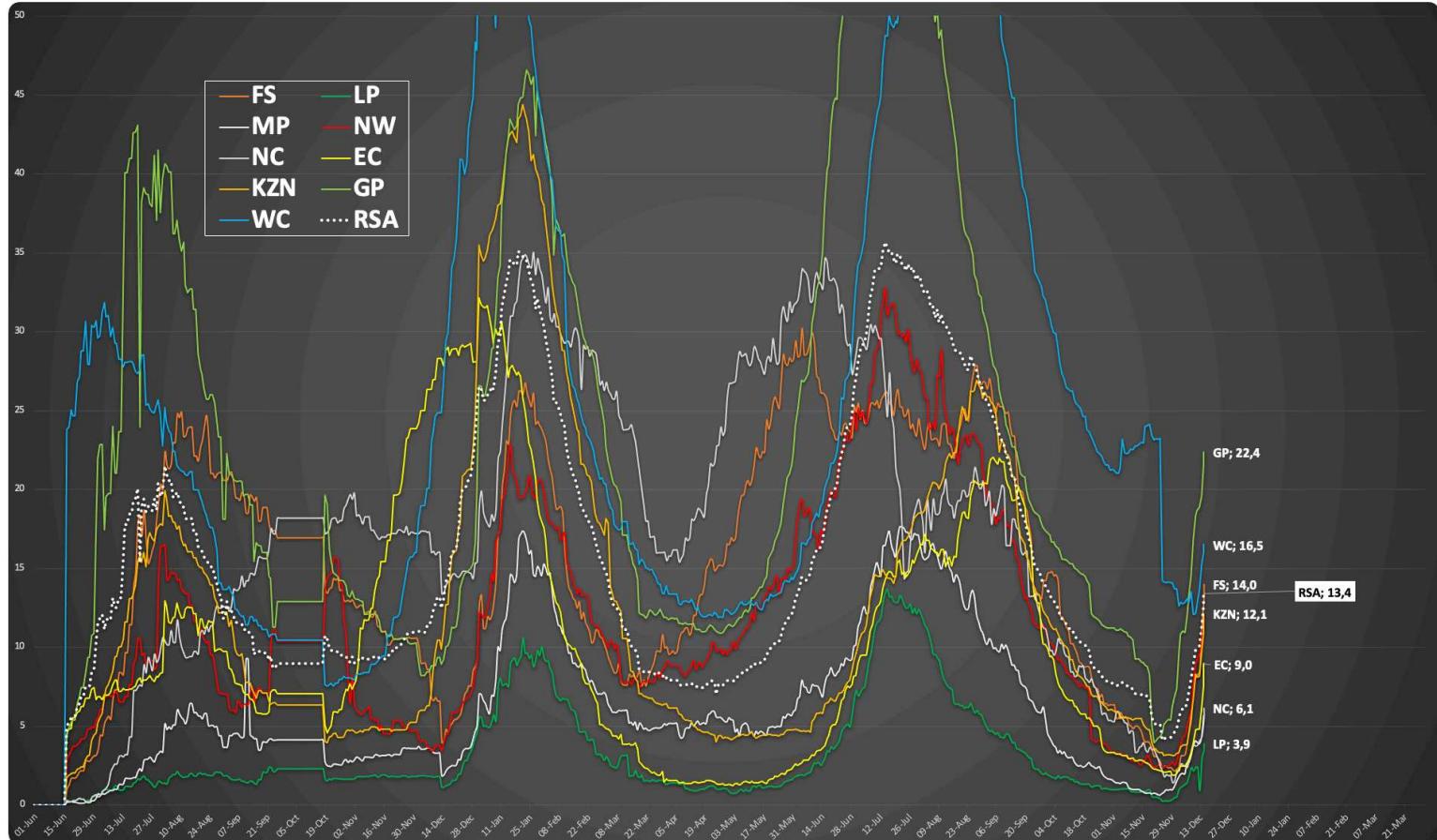


The red lines are weekly Covid deaths as reported by Dept of Health.
 The blue lines are total Natural Deaths as reported by Dept of Home Affairs.
 The differences are the so-called "Excess Deaths" which can largely be ascribed to Covid, either directly (home/rural deaths) and/or indirectly (limited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

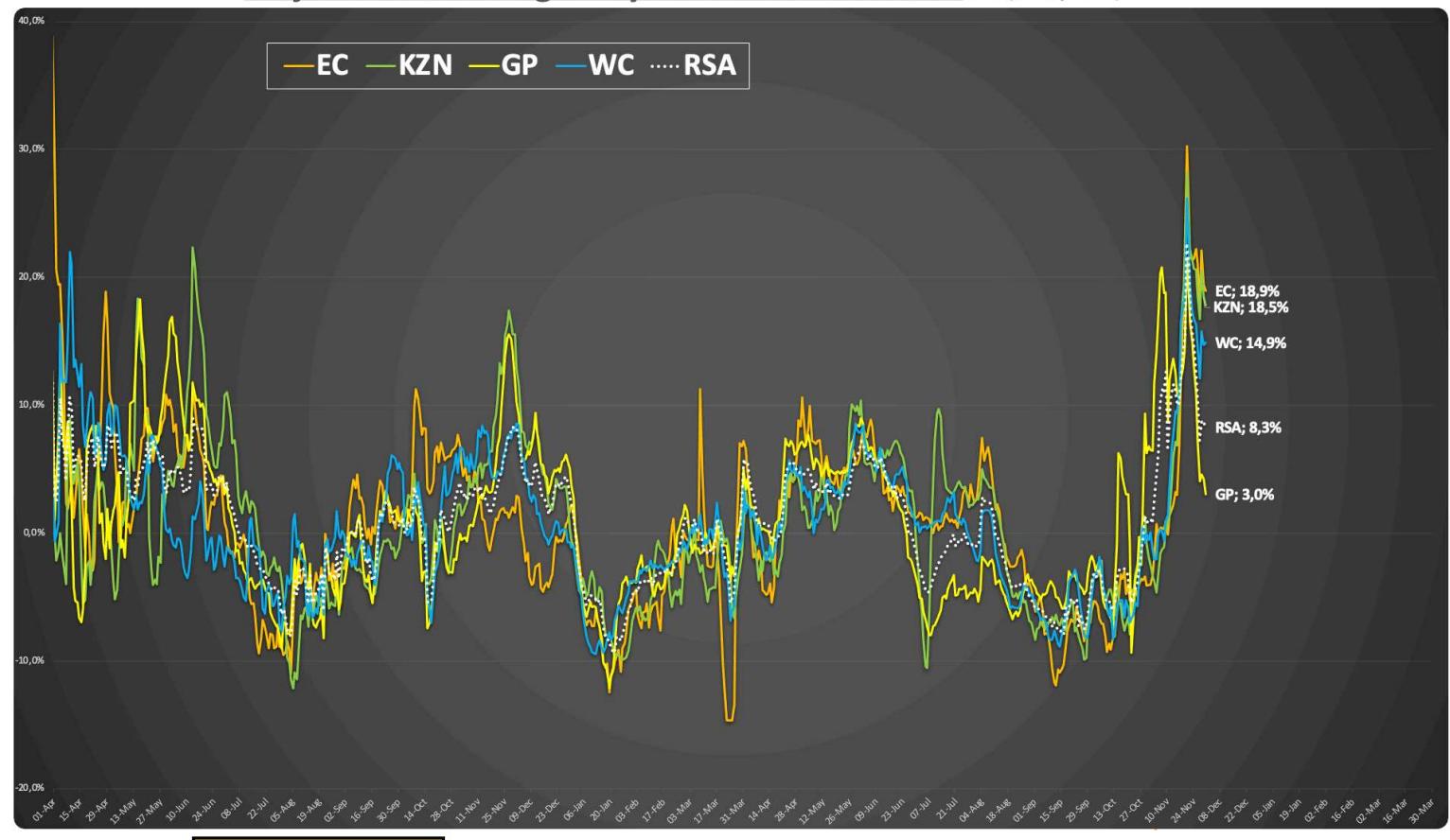


RSA & Prov's Daily Covid Cases in Hospital per 100k Population

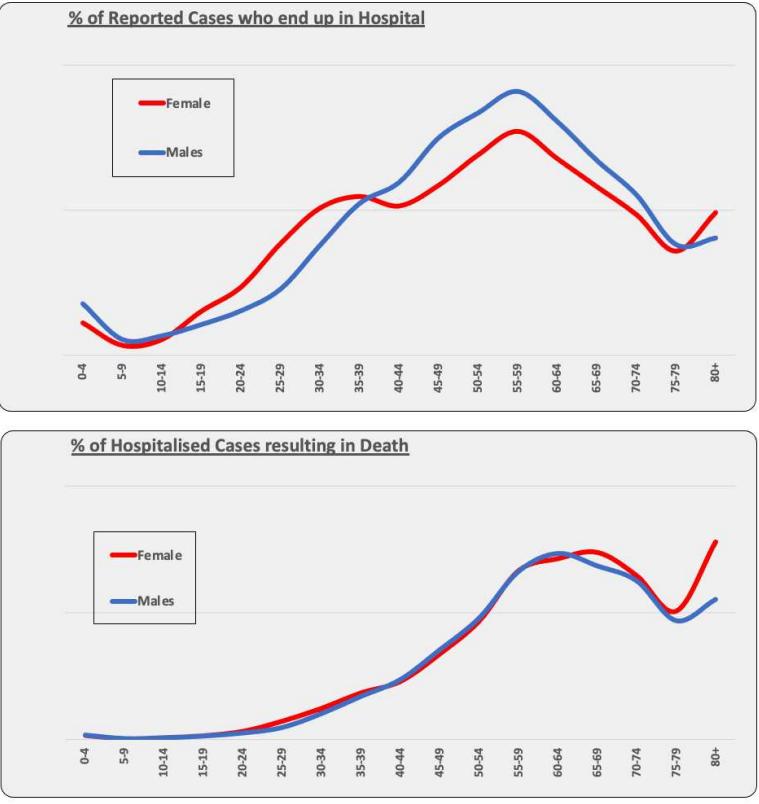
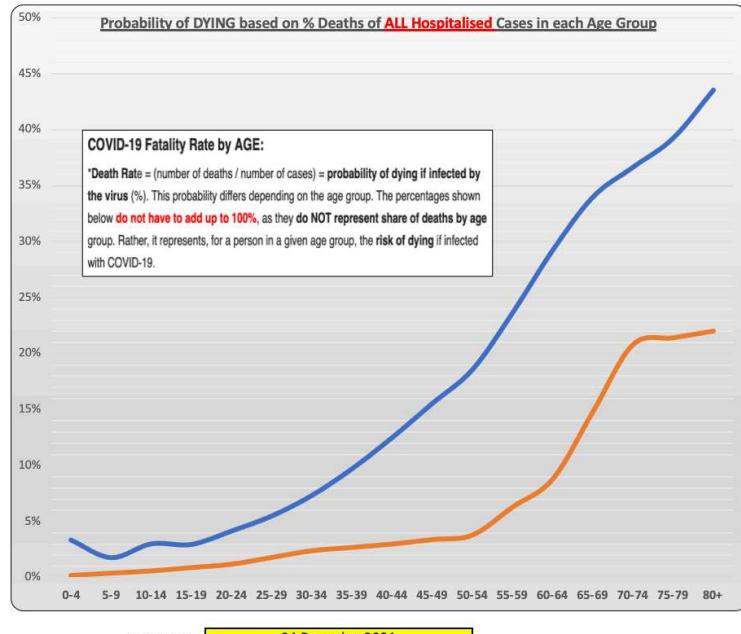
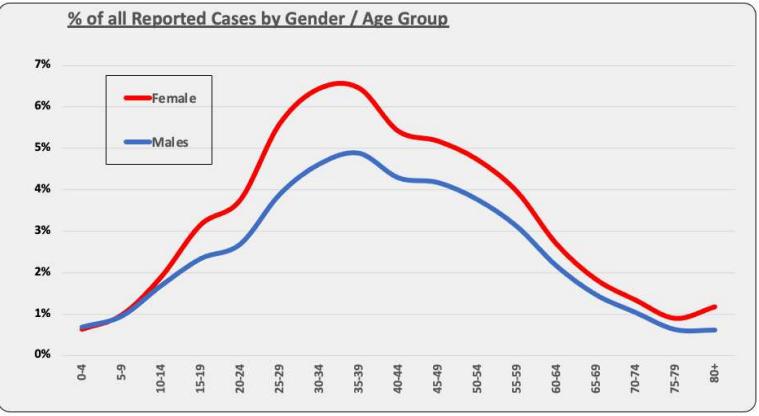
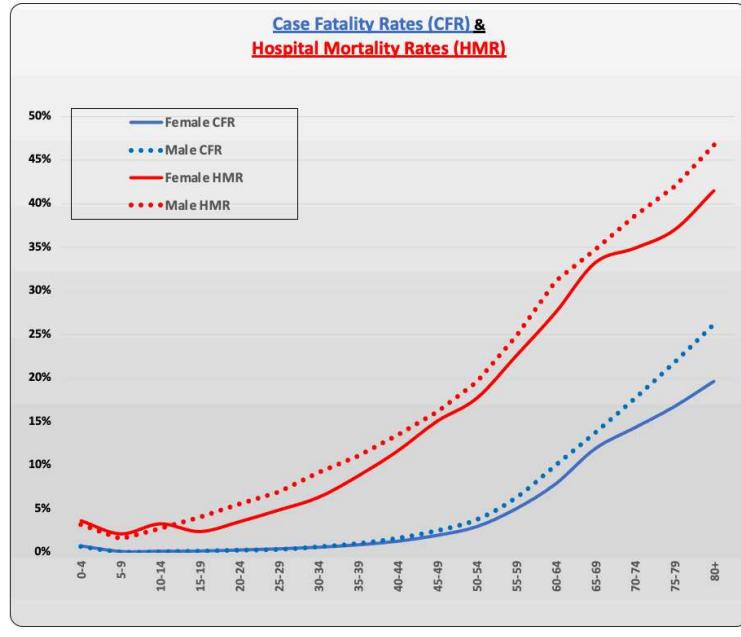
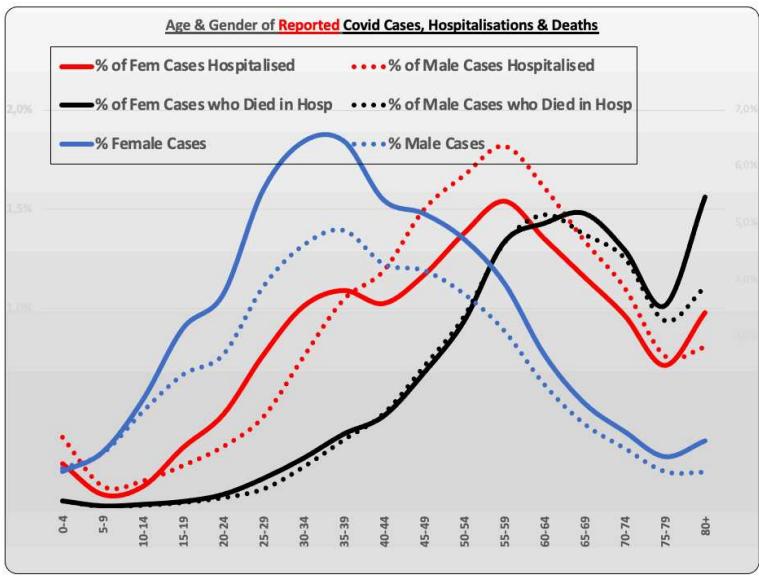
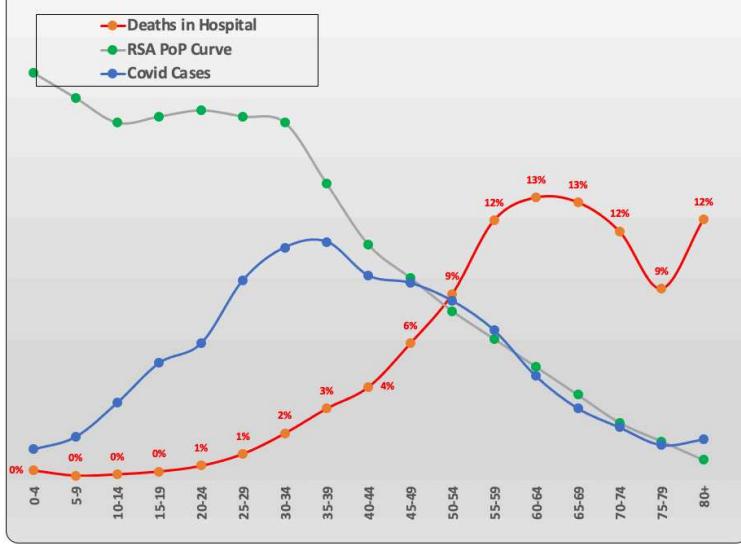
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Major Prov's Rolling 7 Day New Case Escalation % (7Day MA)



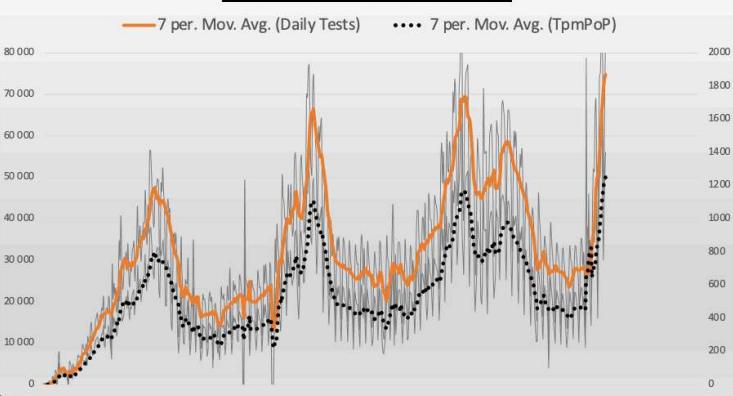
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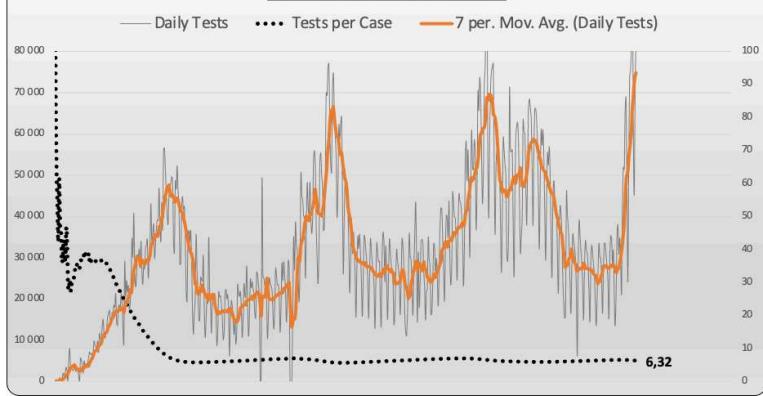
RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 6.1

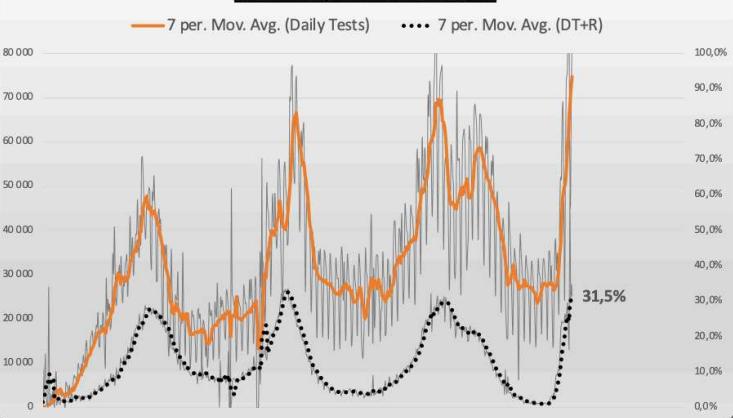
RSA: Daily Tests per million PoP



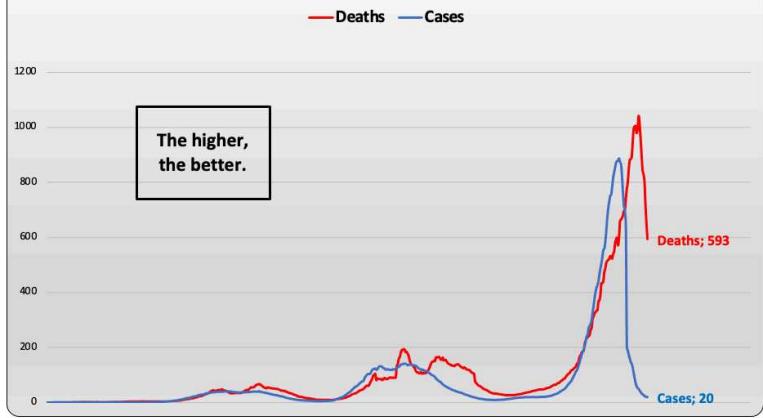
RSA: Daily Tests per +Case



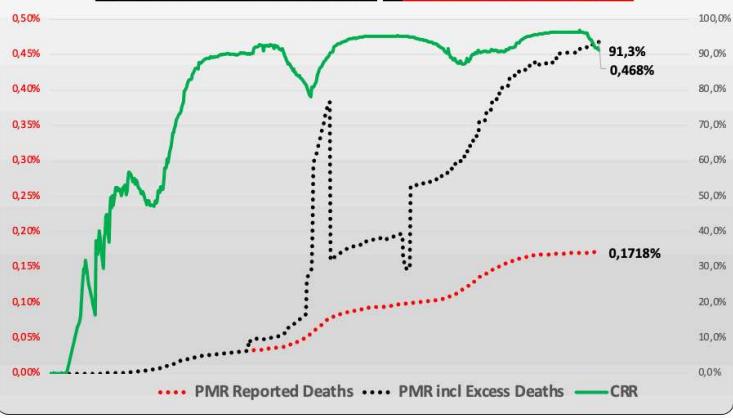
RSA: Daily Tests Positivity %



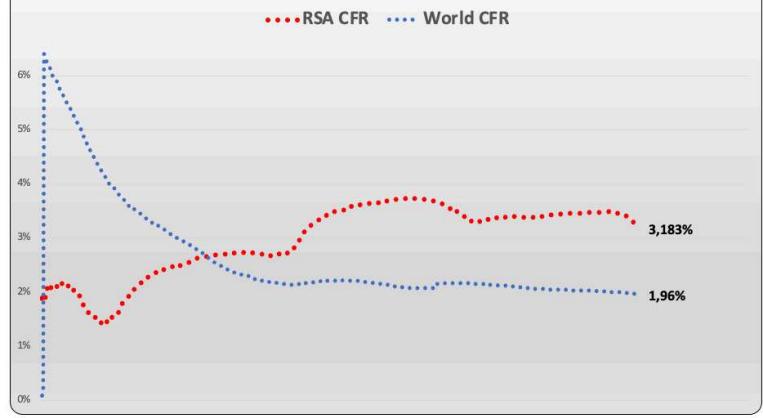
RSA Doubling Times in Days



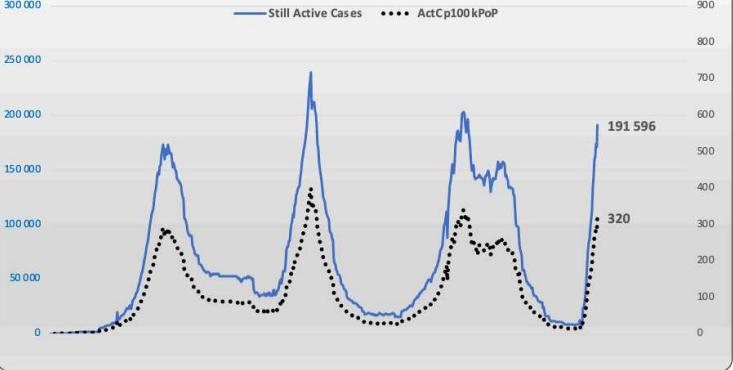
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



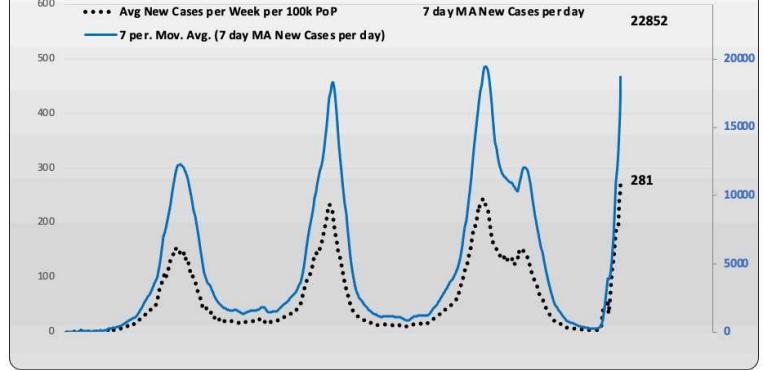
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Still Active Reported Cases per 100k PoP

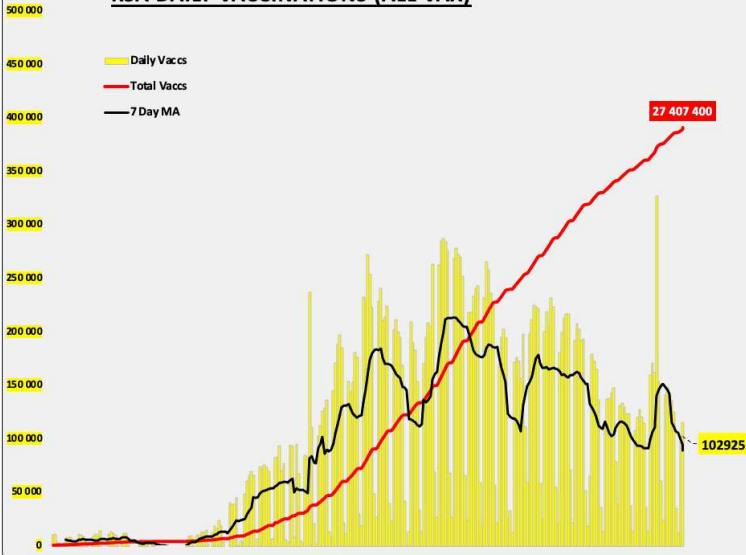


RSA: Avg New Reported Cases per week per 100k PoP

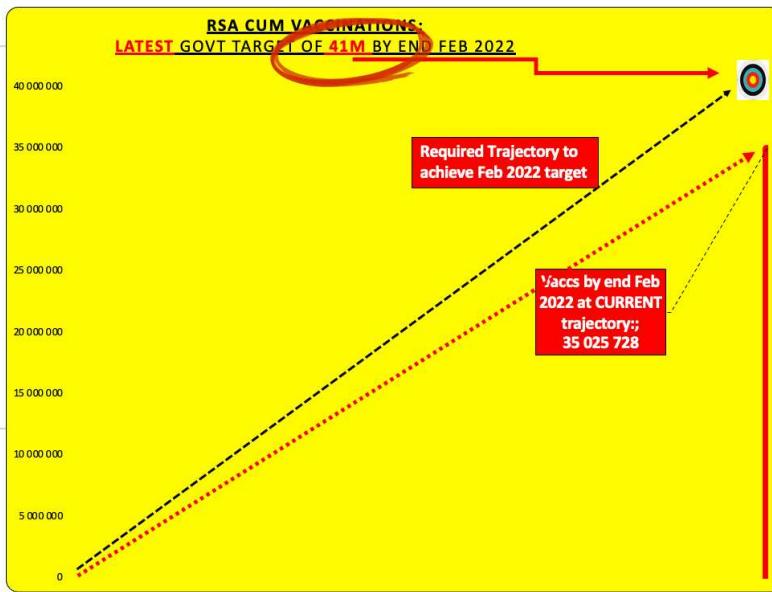


Vaccination Data

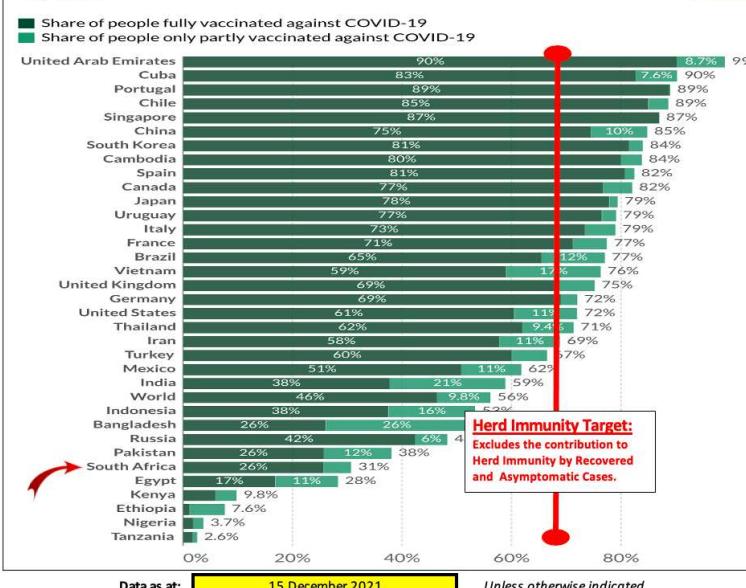
RSA DAILY VACCINATIONS (ALL VAX)



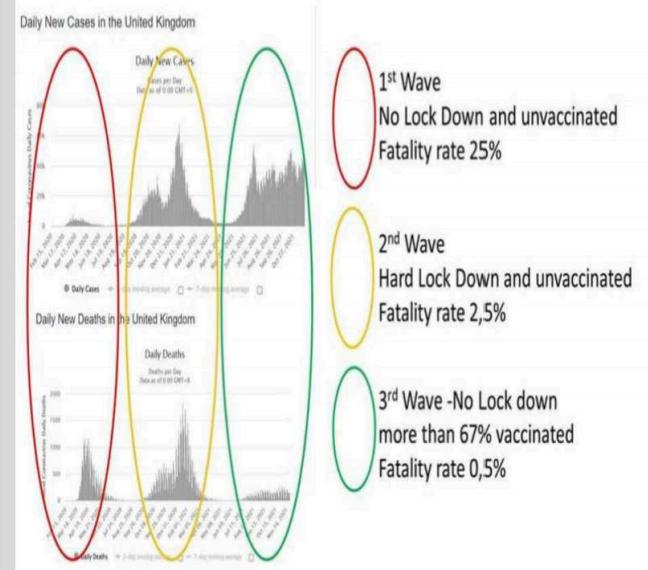
RSA CUM VACCINATIONS: LATEST GOVT TARGET OF 41M BY END FEB 2022



Share of people vaccinated against COVID-19, Dec 14, 2021



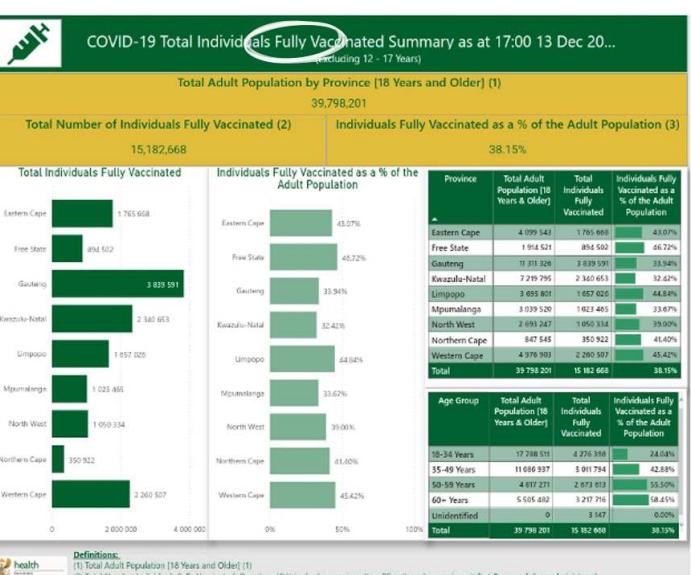
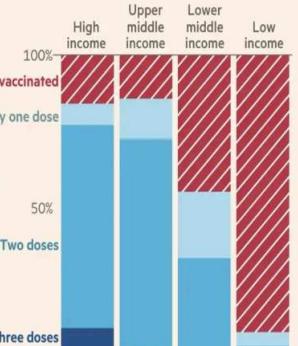
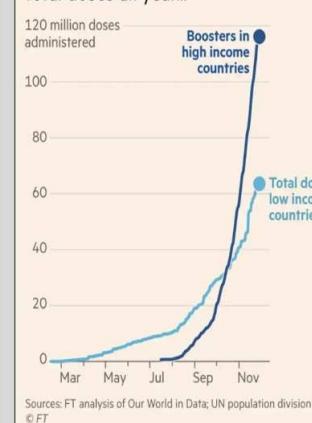
Vaccine Efficacy & Inequality



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



A smile is the best vaccine....



The
SCOTTISH VARIANT.

At least you can hear it coming.