

HarryG COVID-19 StatsPack

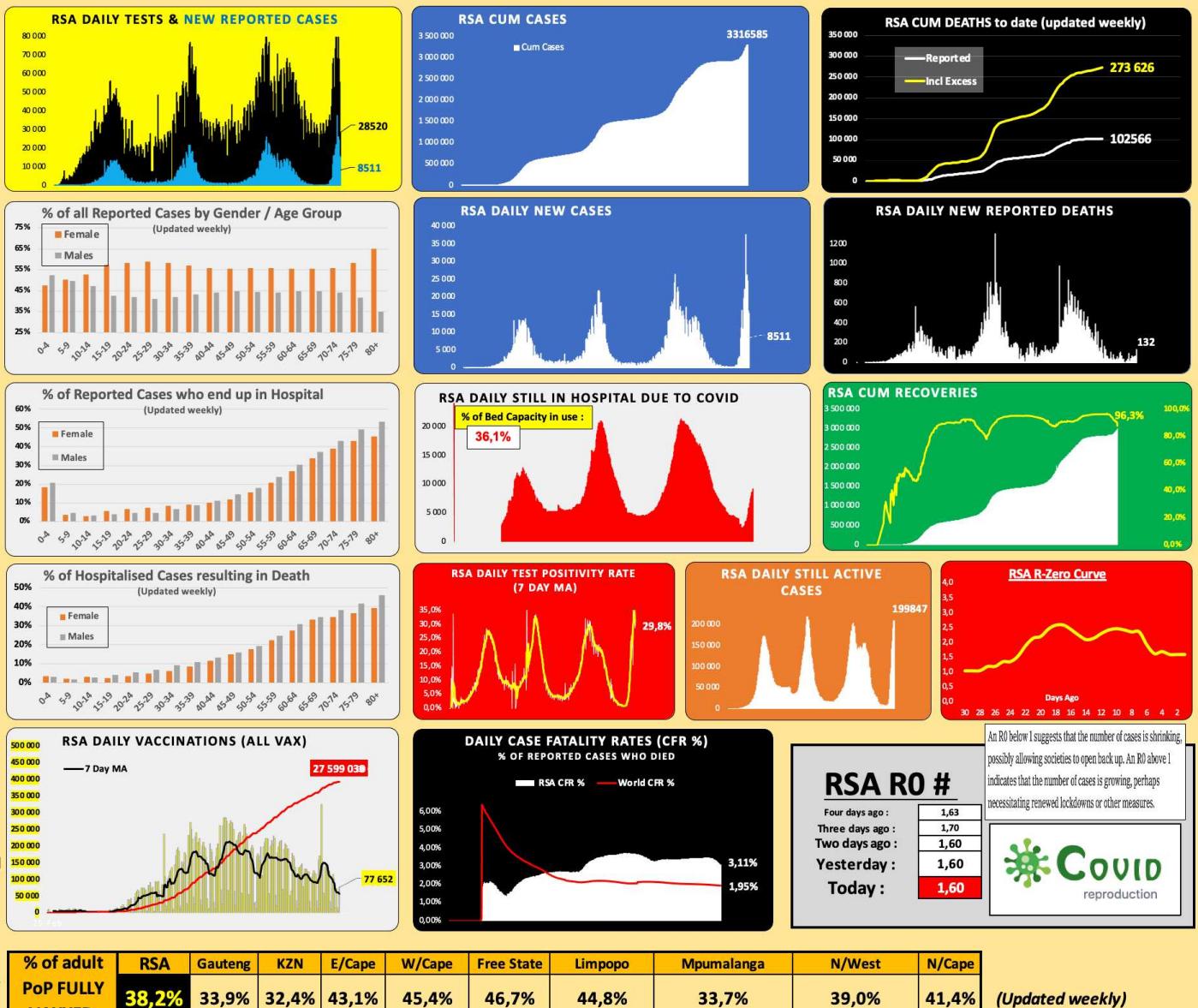
Deteriorating

Improving

Against Previous Day

Page 1

Cum Cases		Daily Cases		Female : Male :	RSA COVID-19 DASHBOARD as at:		11-Dec	Case Fatality Rates (CFR):		Total to date:	Vaccinations:		Time to achieve Govt Target of 41m vaccs	
3 316 585	8 511	Still Active +Cases	Cum Cases p mill PoP		8435	3,11%		Daily Avg	91 997	1,20	Yrs			
199 847	55 389	1722			21-Dec-21			% of RSA PoP who have died to date :	Reported Deaths	Incl Excess Deaths	7 Day MA Vaccs per day	58 633	1,89	Yrs
Deaths	Ages	Deaths	Deaths		103 131	132		0,172%	0,468%					
Avg	Median	Min Age	Max Age		Cases	Deaths	CFR	Hospitalised	Reported Deaths	Incl Excess Deaths				
62,2	59,1	0,2	108		56,6%	51,5%	2,63%	55,3%	0,23%	0,57%				
					43,4%	48,5%	3,23%	44,7%						



% 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%		

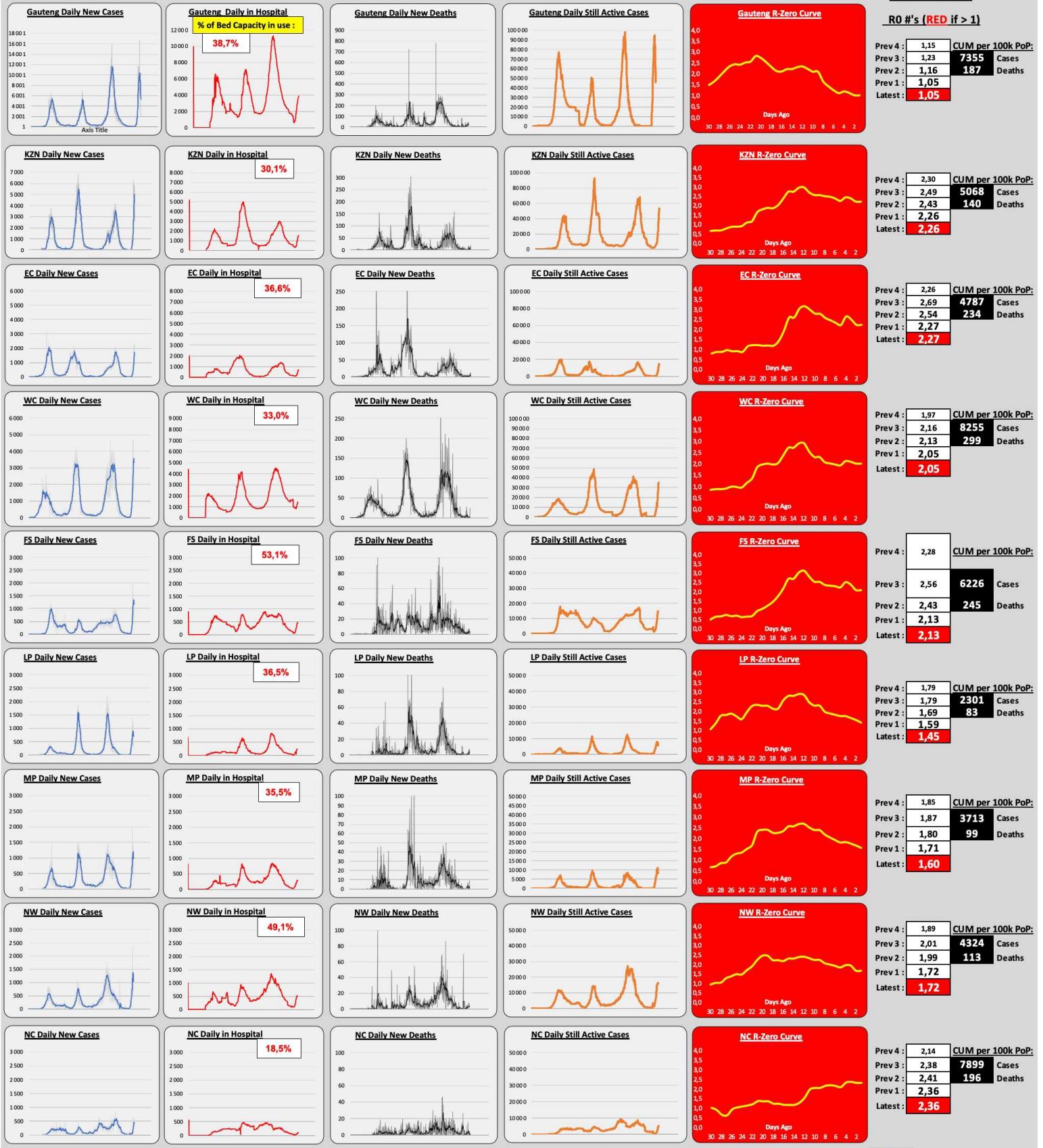
Progress Ranking by Province : 7 9 4 2 1 3 8 6 5 Data as at: 20 December 2021 Unless otherwise indicated

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

Latest Provincial

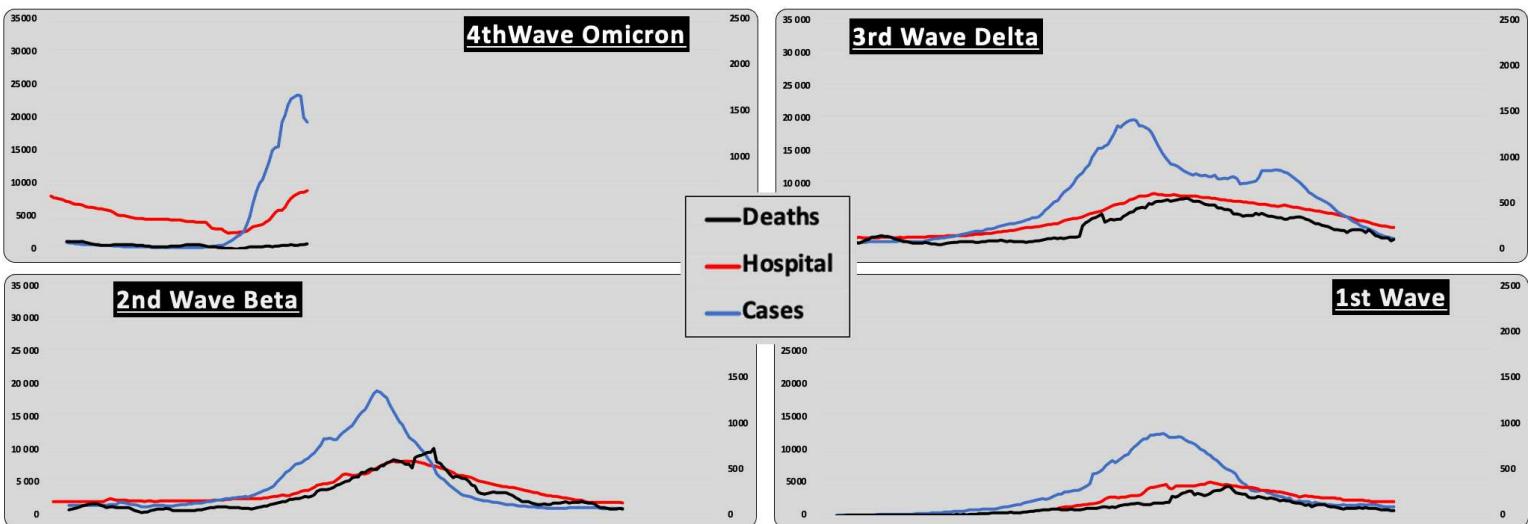
R0 #'s (RED if > 1)

Prev 4 : 1,15	CUM per 100k PoP:
Prev 3 : 1,23	7355 Cases
Prev 2 : 1,16	187 Deaths
Prev 1 : 1,05	
Latest : 1,05	



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

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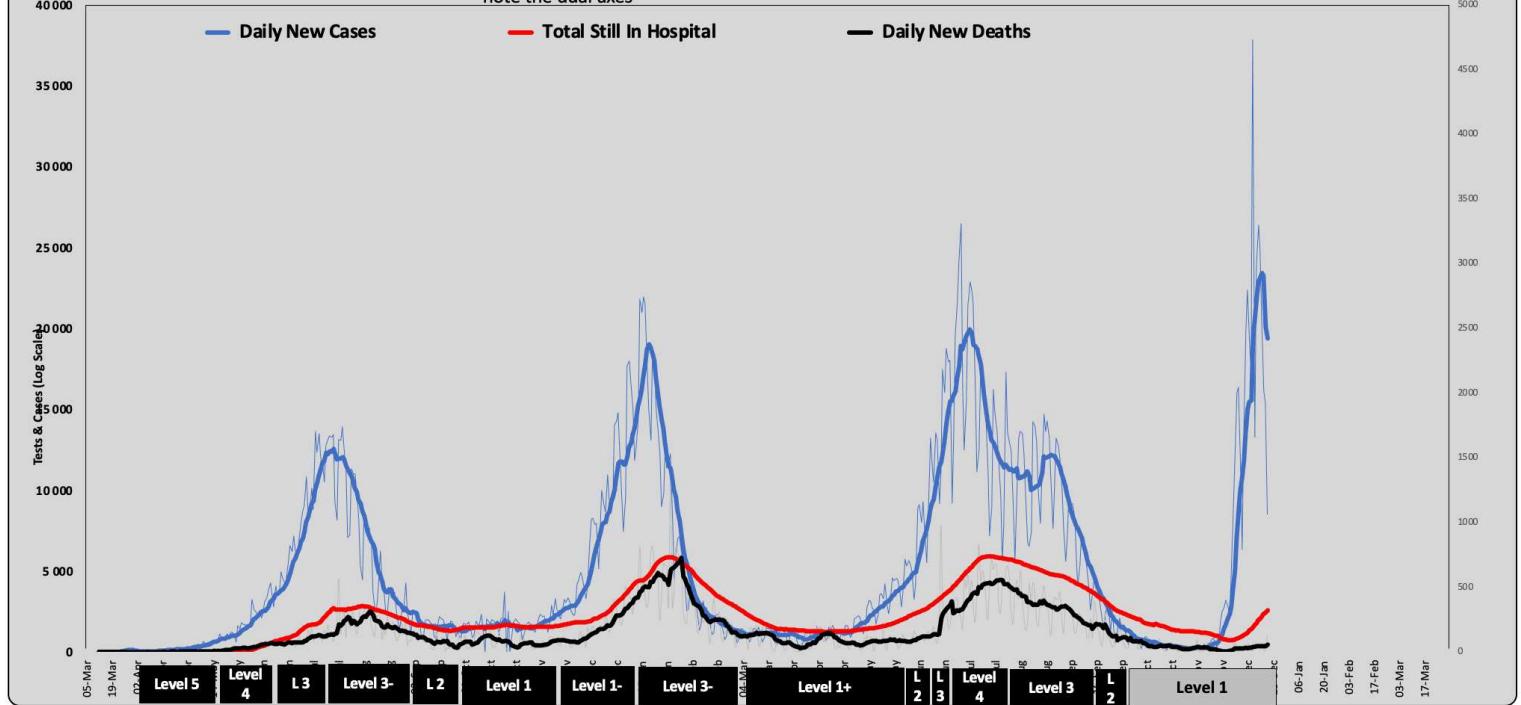
Discovery Health, respected major health insurance group in South Africa, on 14 Dec announced their preliminary findings on the Omicron Wave in SA. These are their summarised insights :

Conclusion | Omicron Insights

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

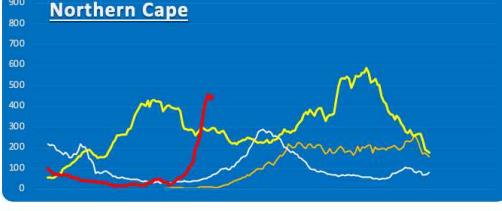
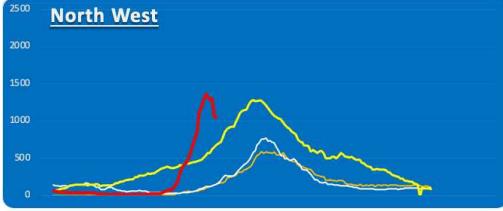
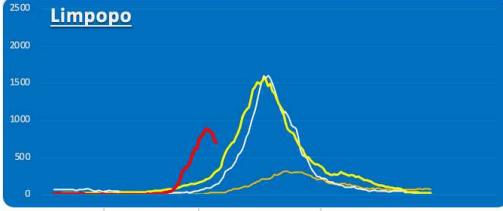
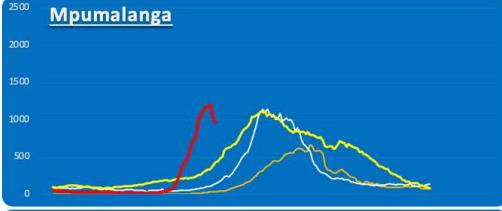
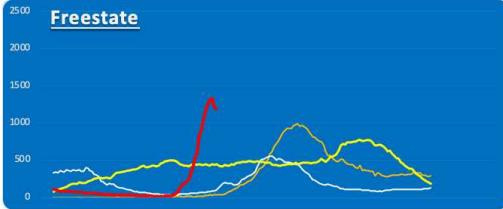
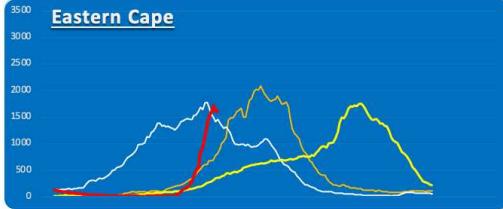
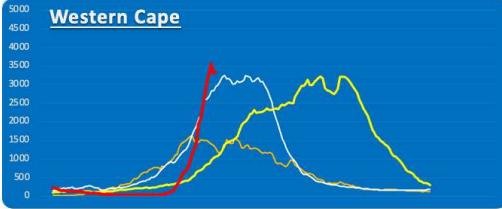
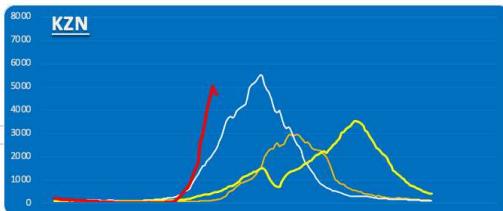
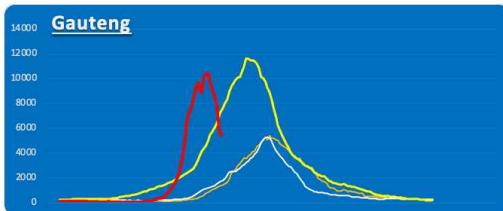
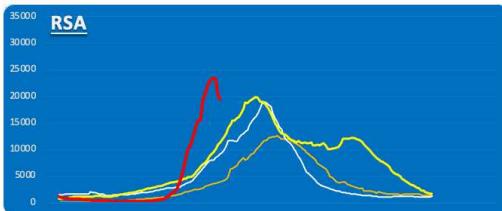
RSA Daily Daily Cases v Hospitalisations v Daily Deaths (7 Day MA)

note the dual axes



Data as at: 20 December 2021 Unless otherwise indicated

hdg 21 December 2021

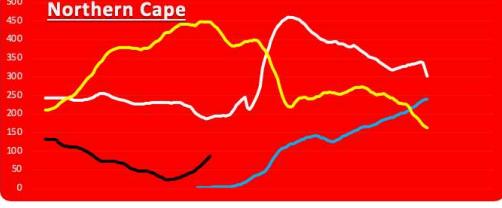
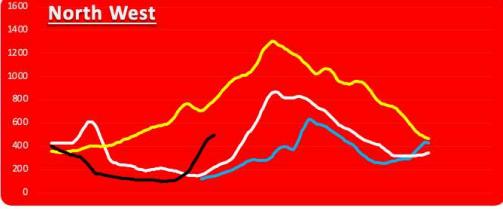
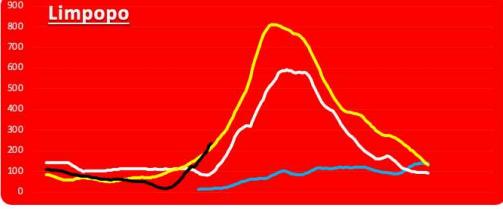
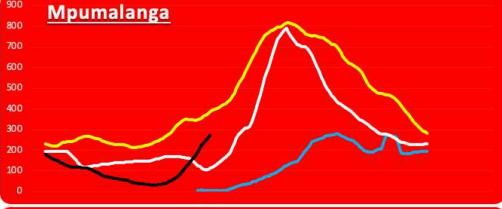
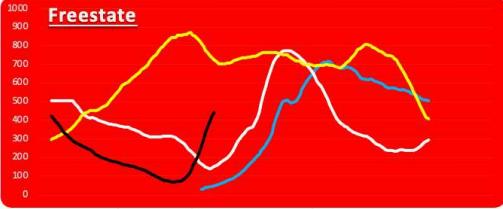
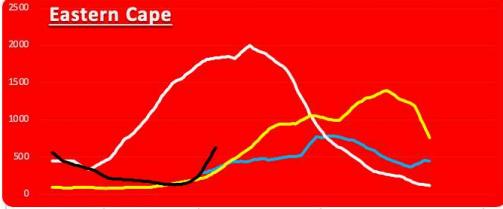
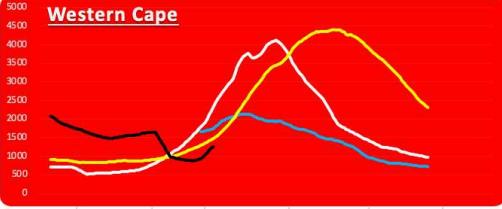
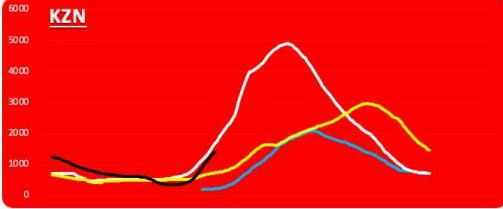
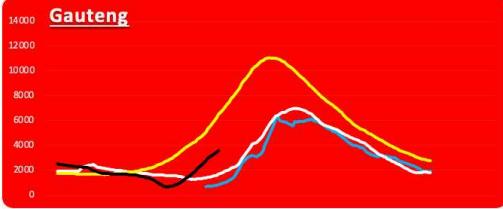
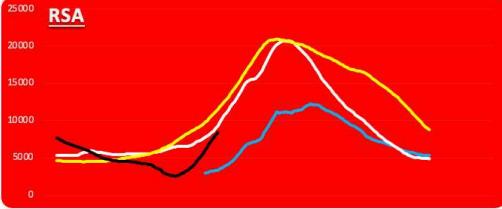


CASES

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.



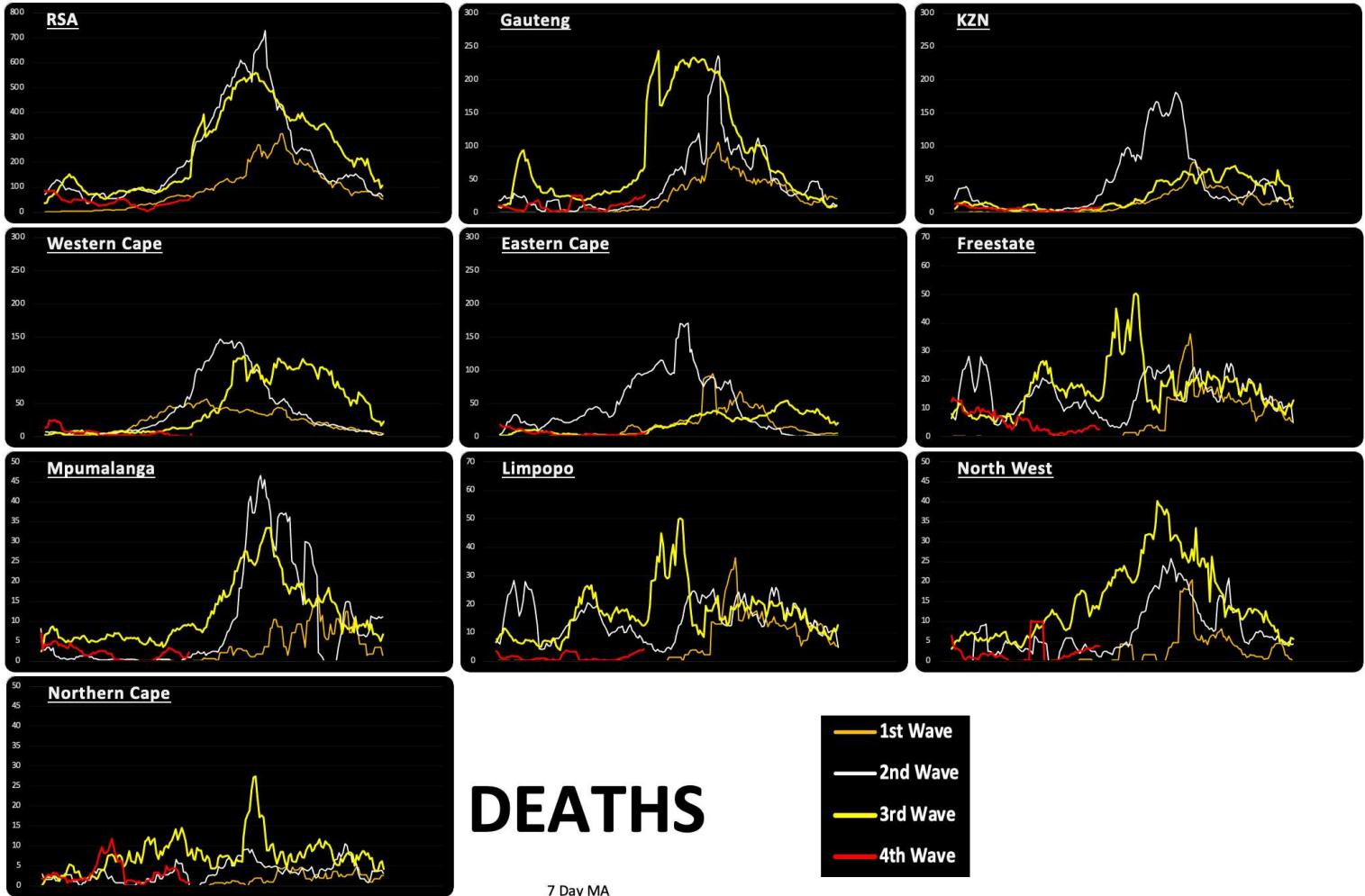
HOSPITALISED

7 Day MA

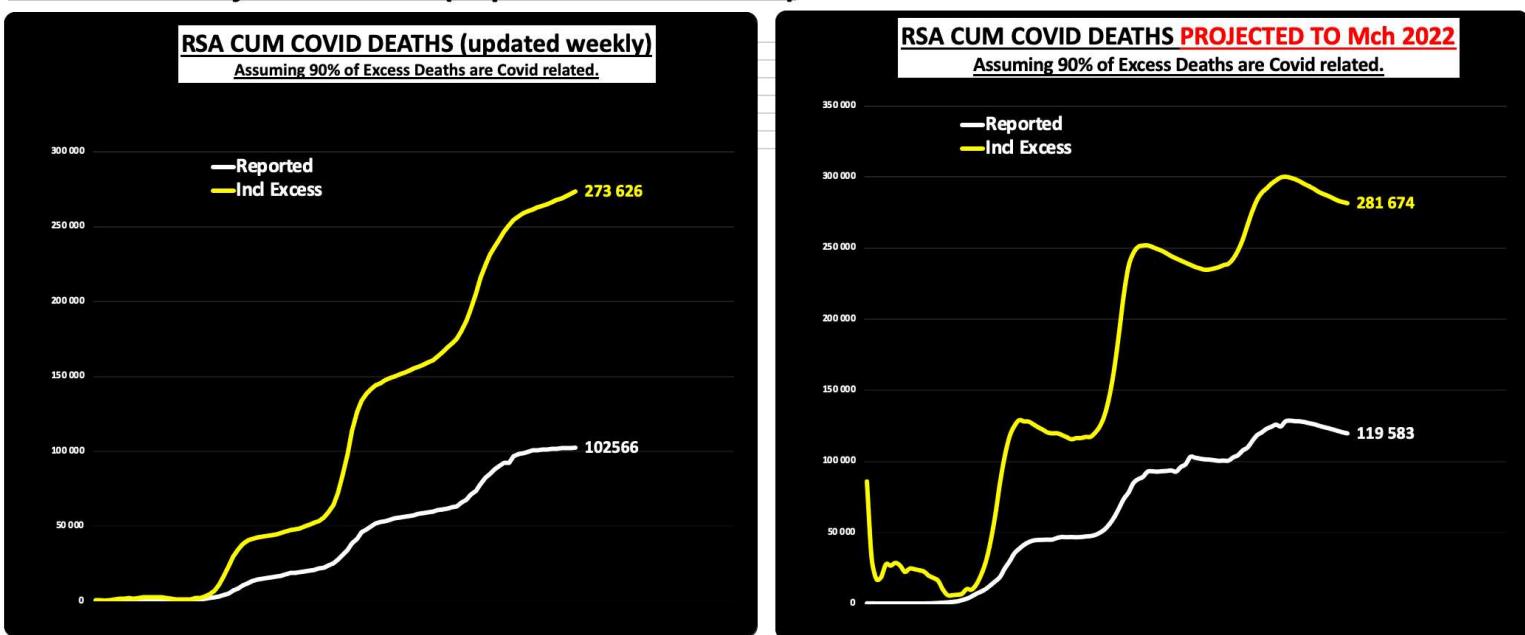
- 1st Wave
- 2nd Wave
- 3rd Wave
- 4th Wave

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

Page 2.2

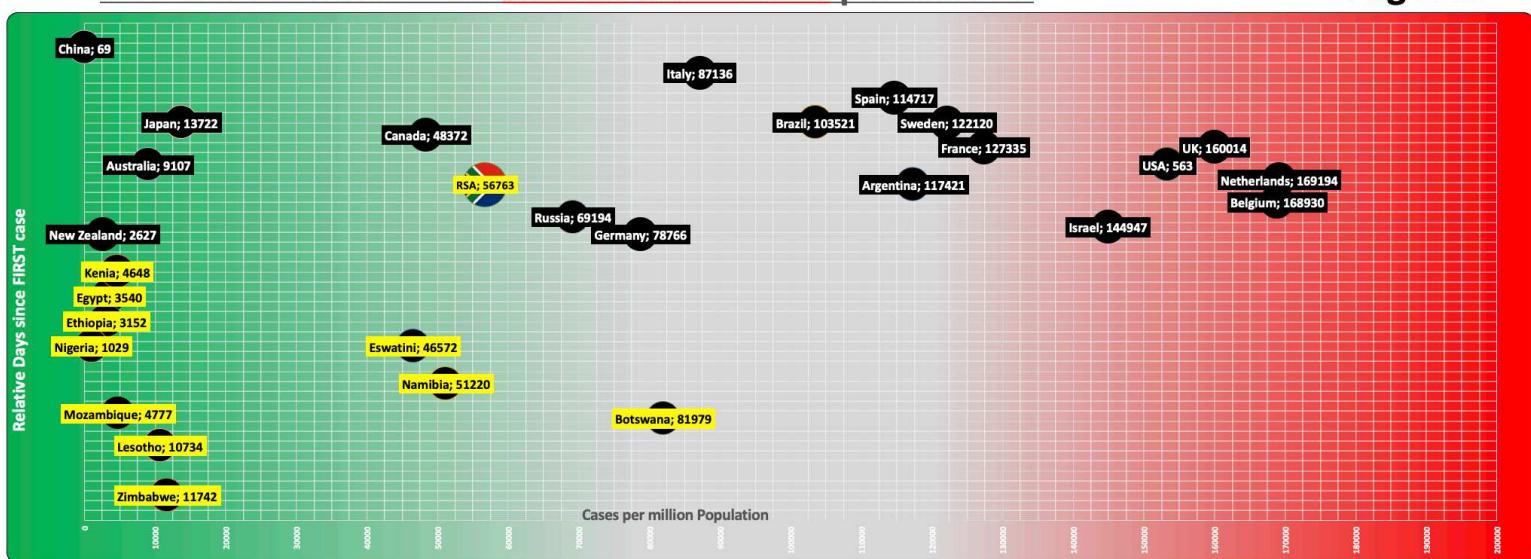


RSA Cum & Projected Deaths (Reported & Incl Excess)

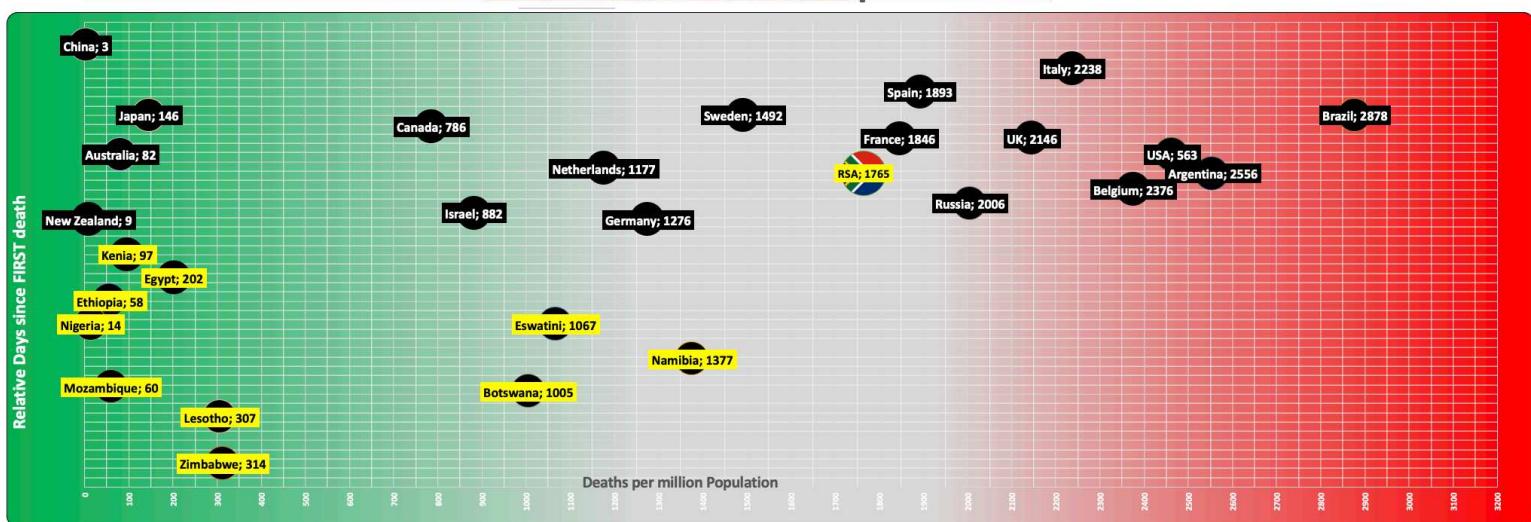


Selected Countries' Cum **REPORTED CASES** per mill PoP

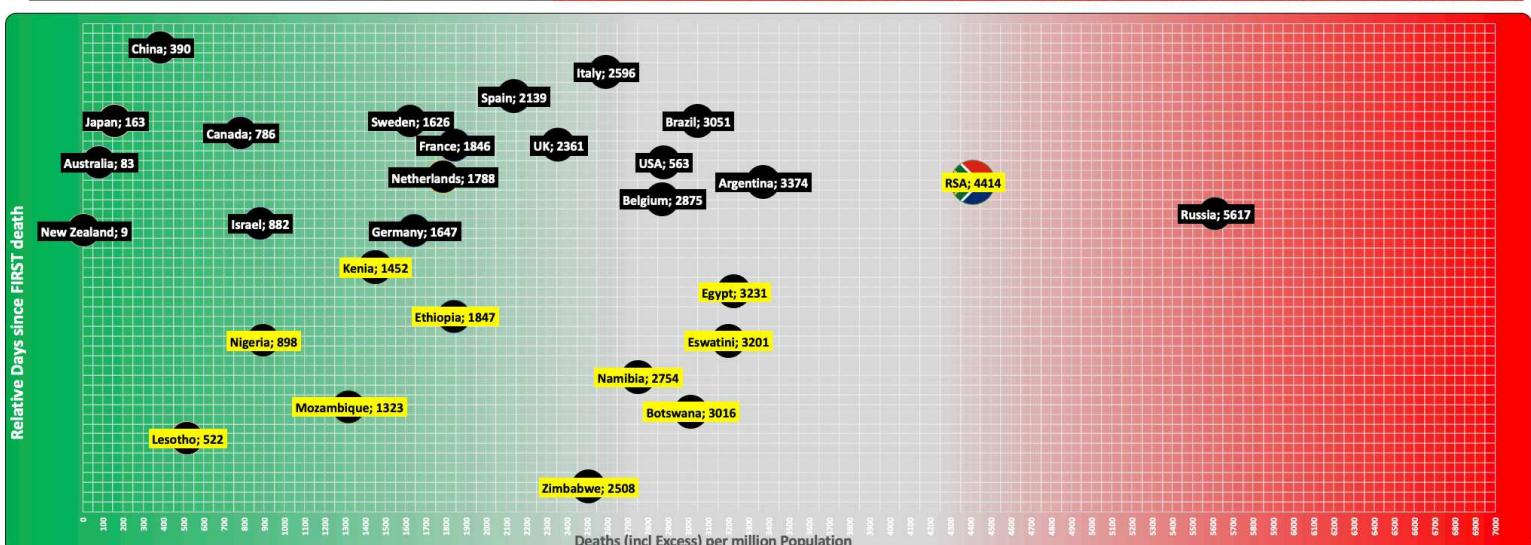
Page 2.3



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



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



Data as at: 20 December 2021

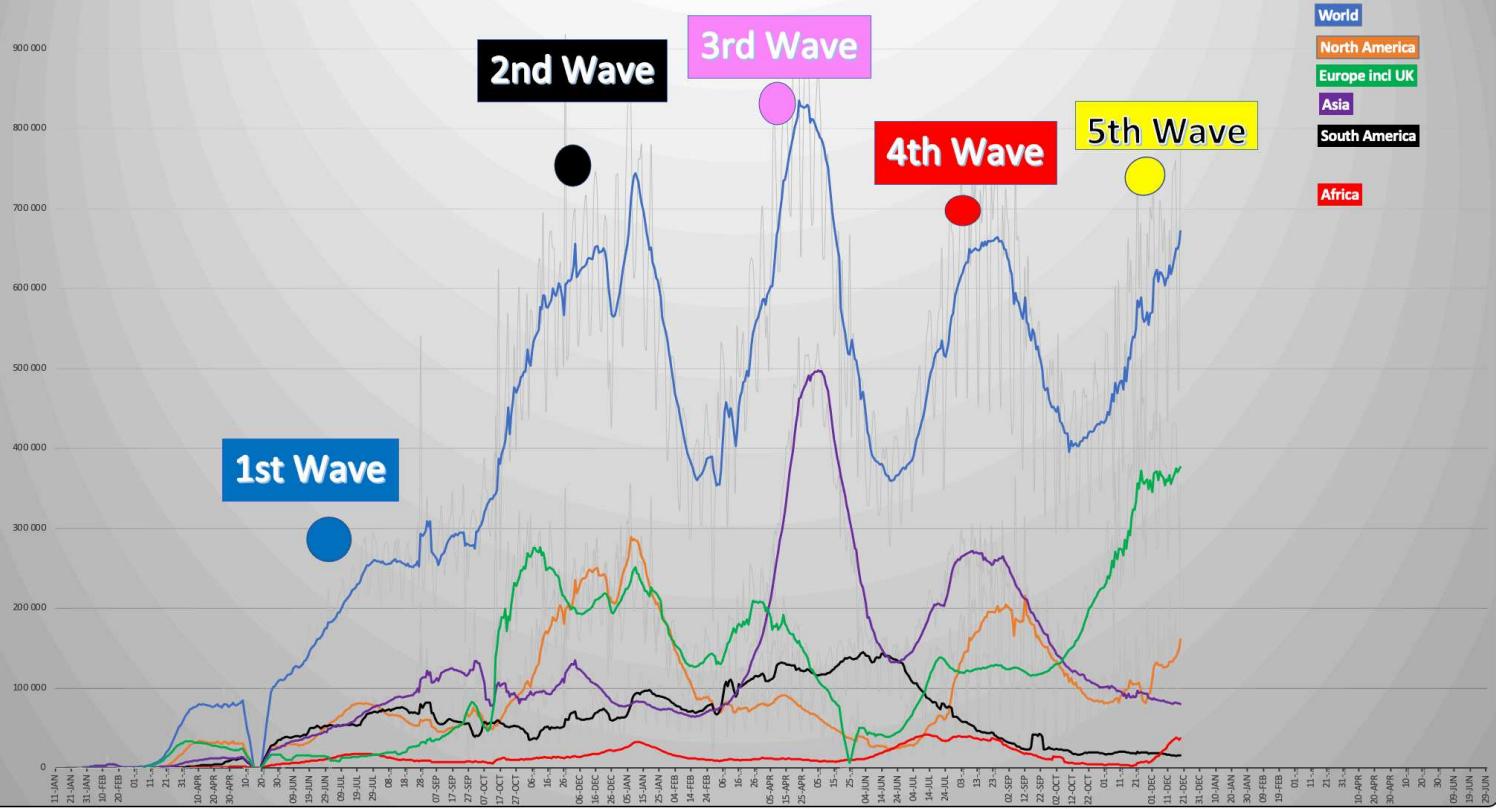
* Excess Deaths %'s as per OurWorldinData & The Economist Magazine

hdg 21 December 2021

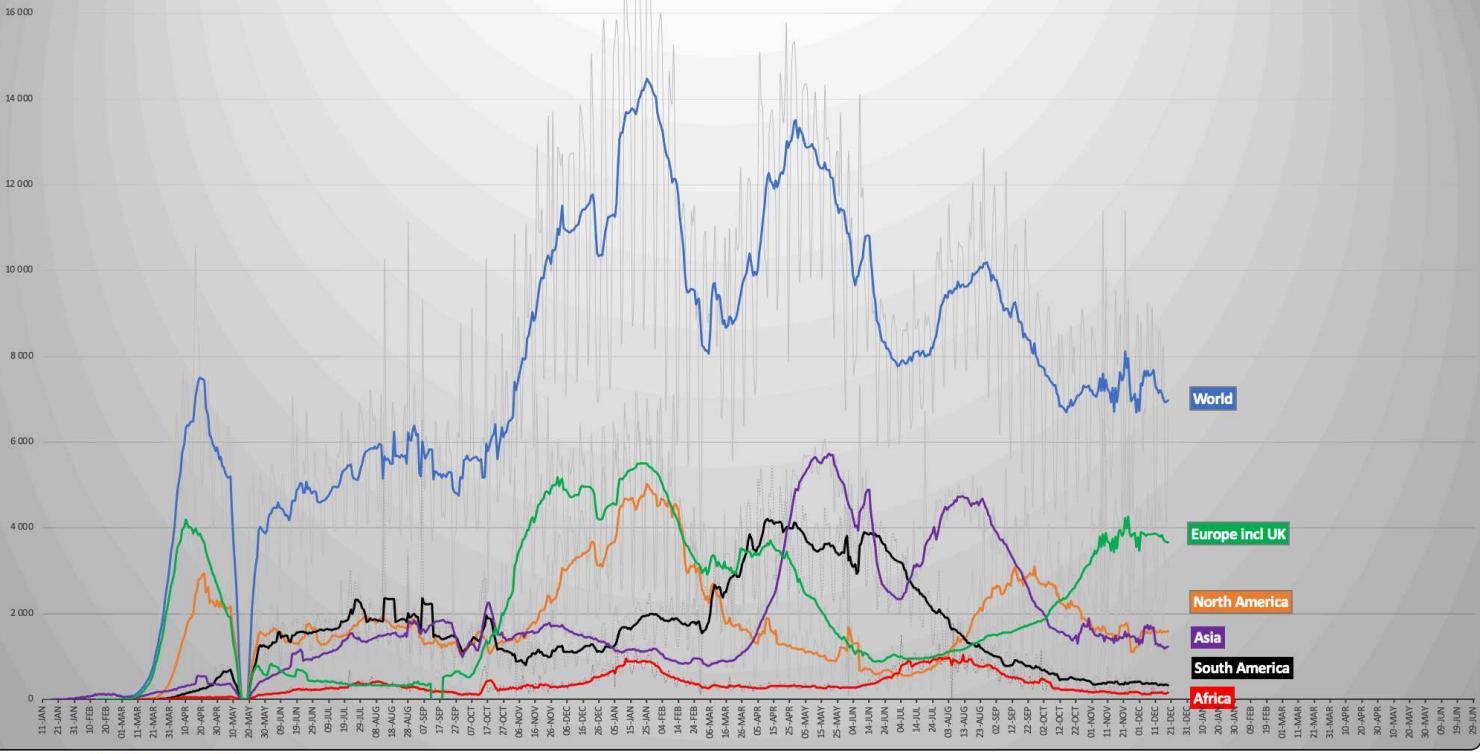
7 Day Moving Average of Daily Reported Deaths & Cases by World Region

Page 3.0

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



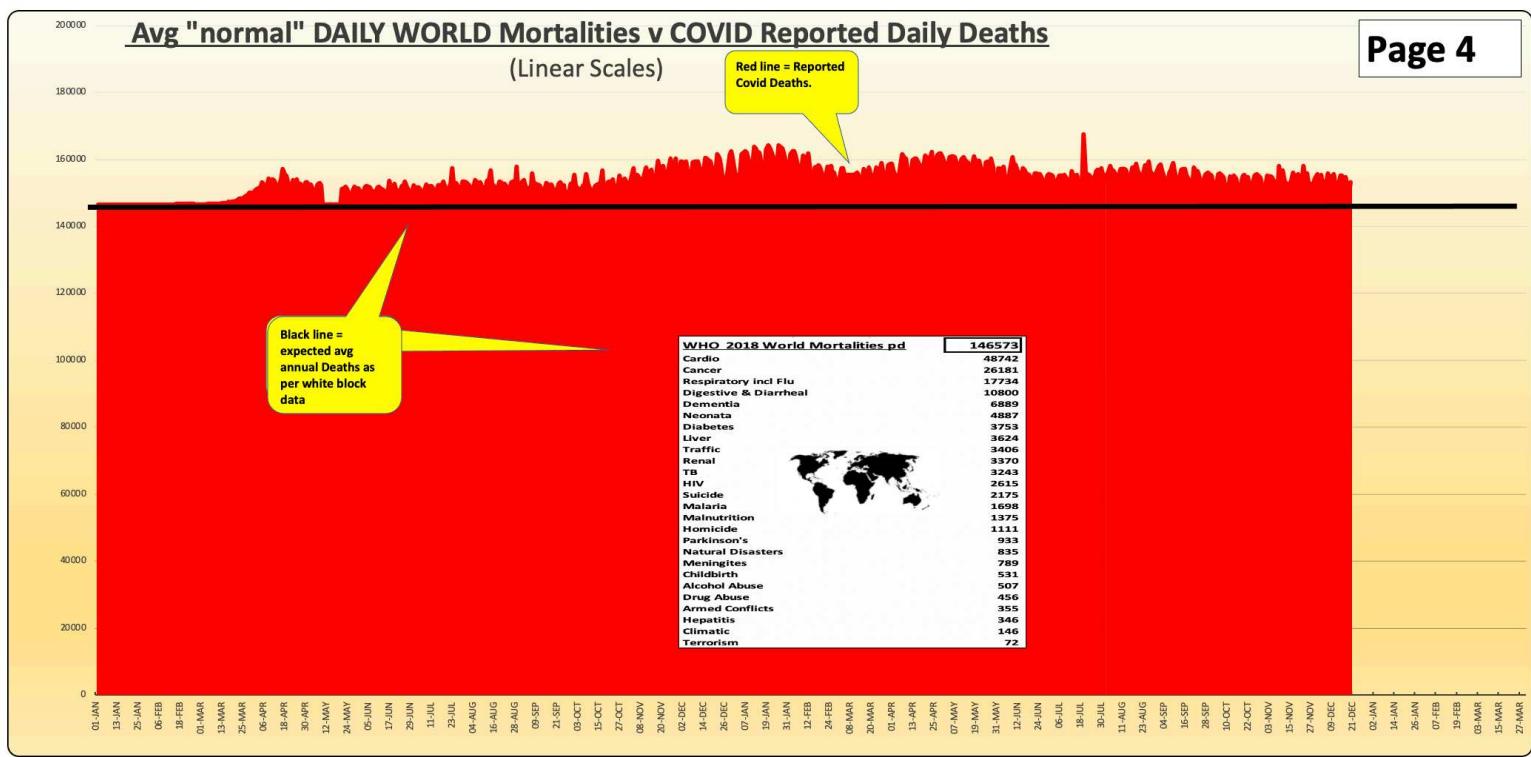
World Regions: 7 Day MA of Reported Daily Deaths (Linear Scale)



Data as at: 21 December 2021

Unless otherwise indicated

hdg 21 December 2021

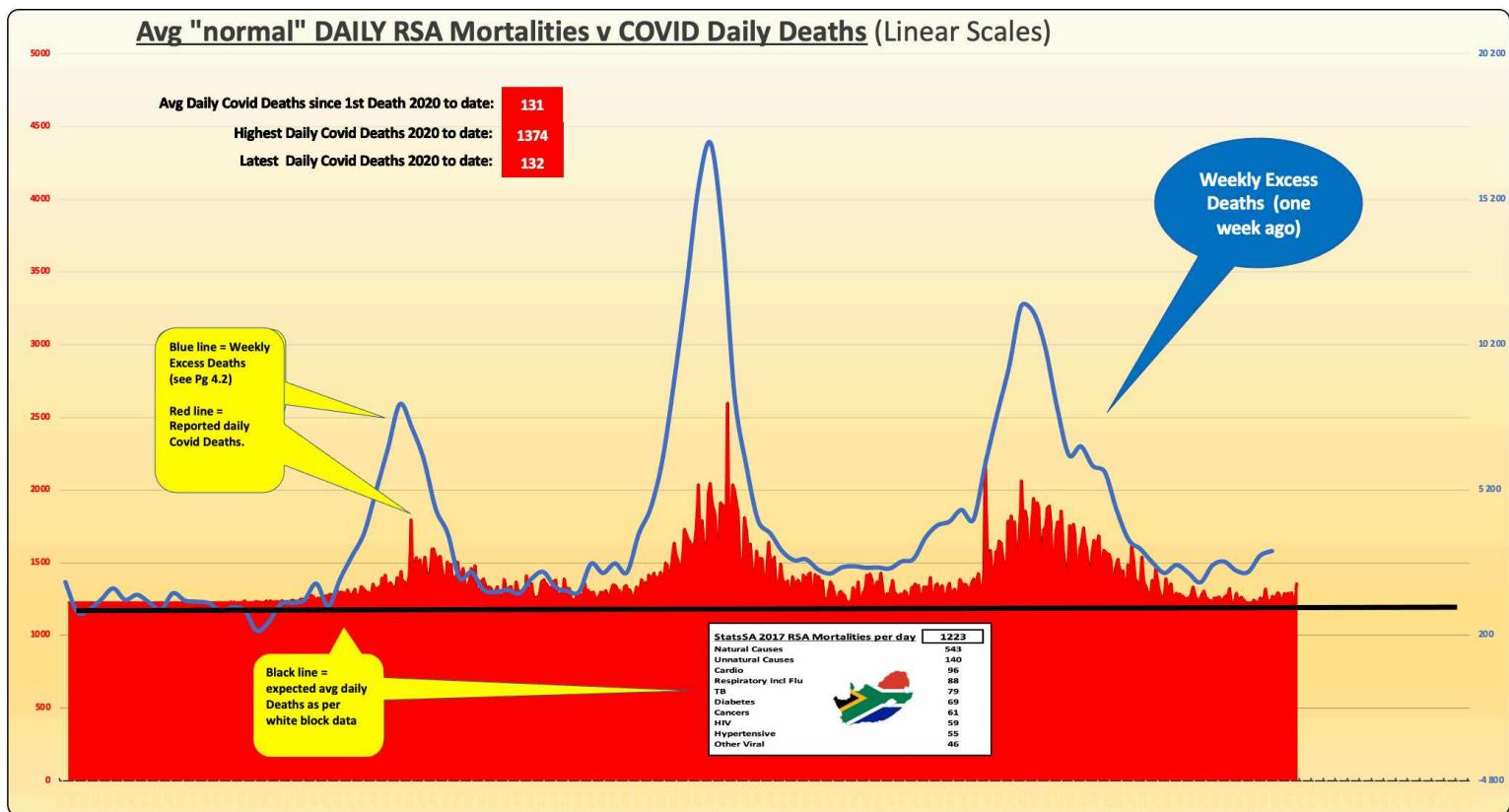


The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

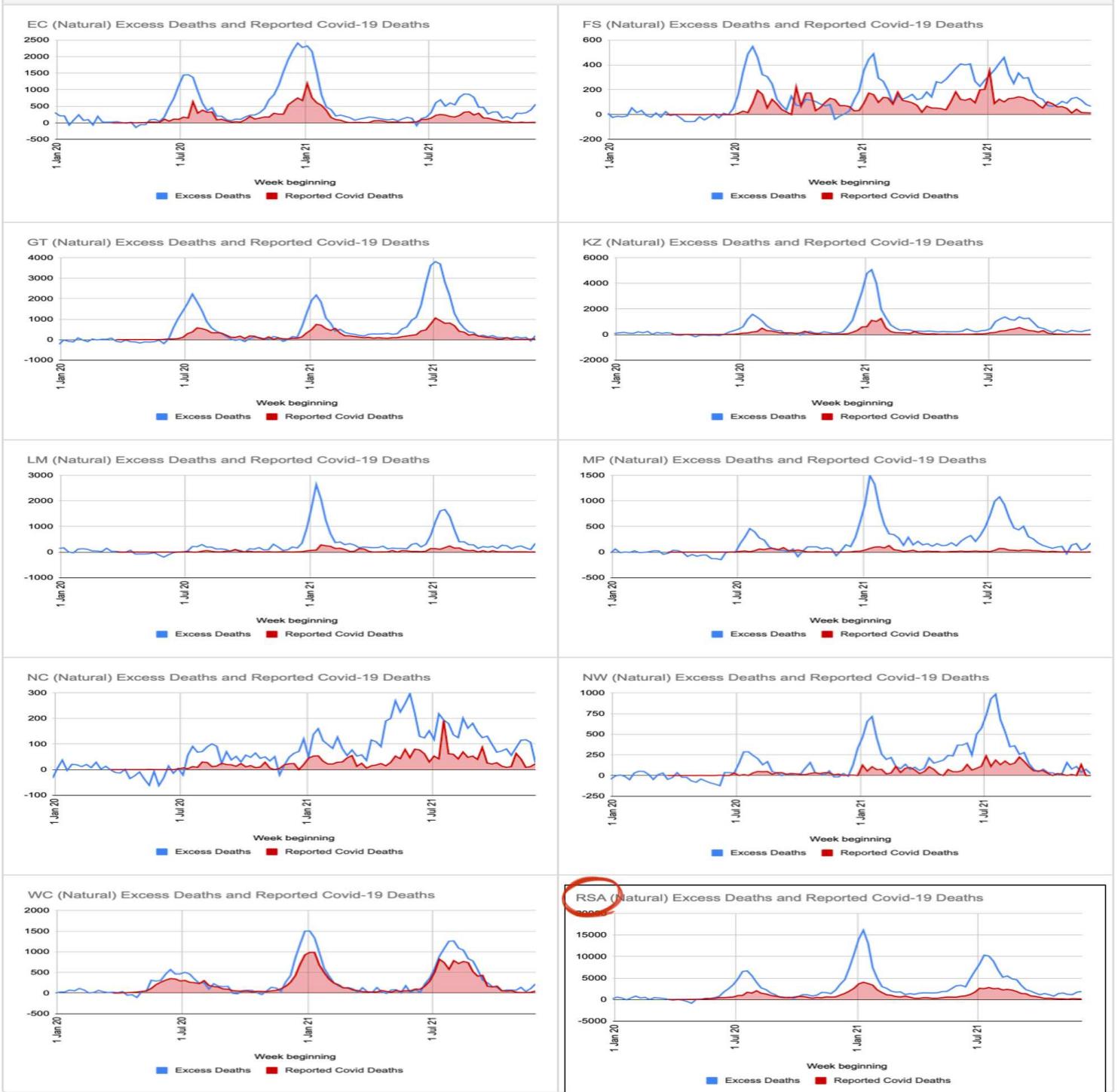
The big RED blocks below the black lines are TOTAL Avg Deaths from ALL causes.

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.



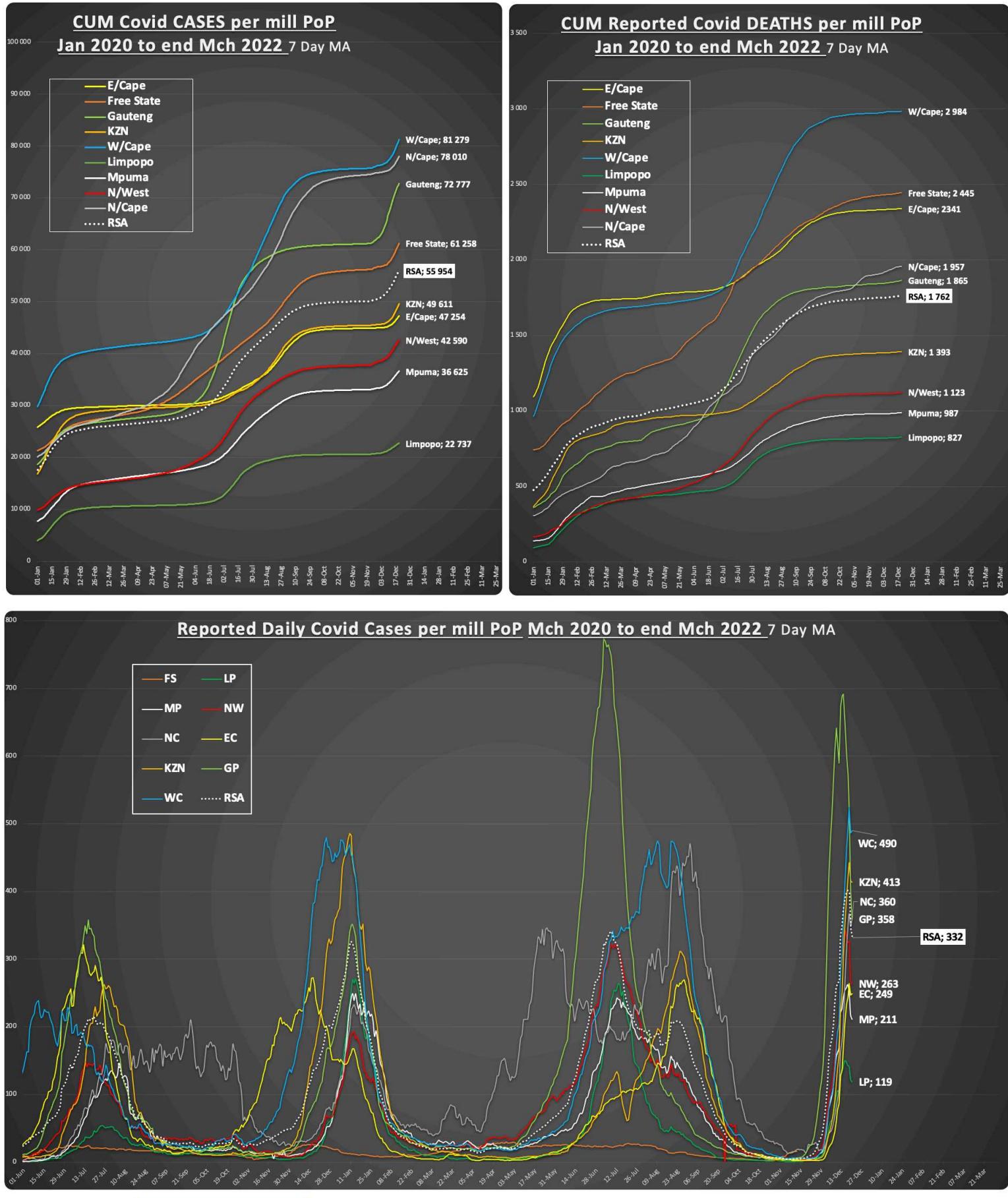
Provinces



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).

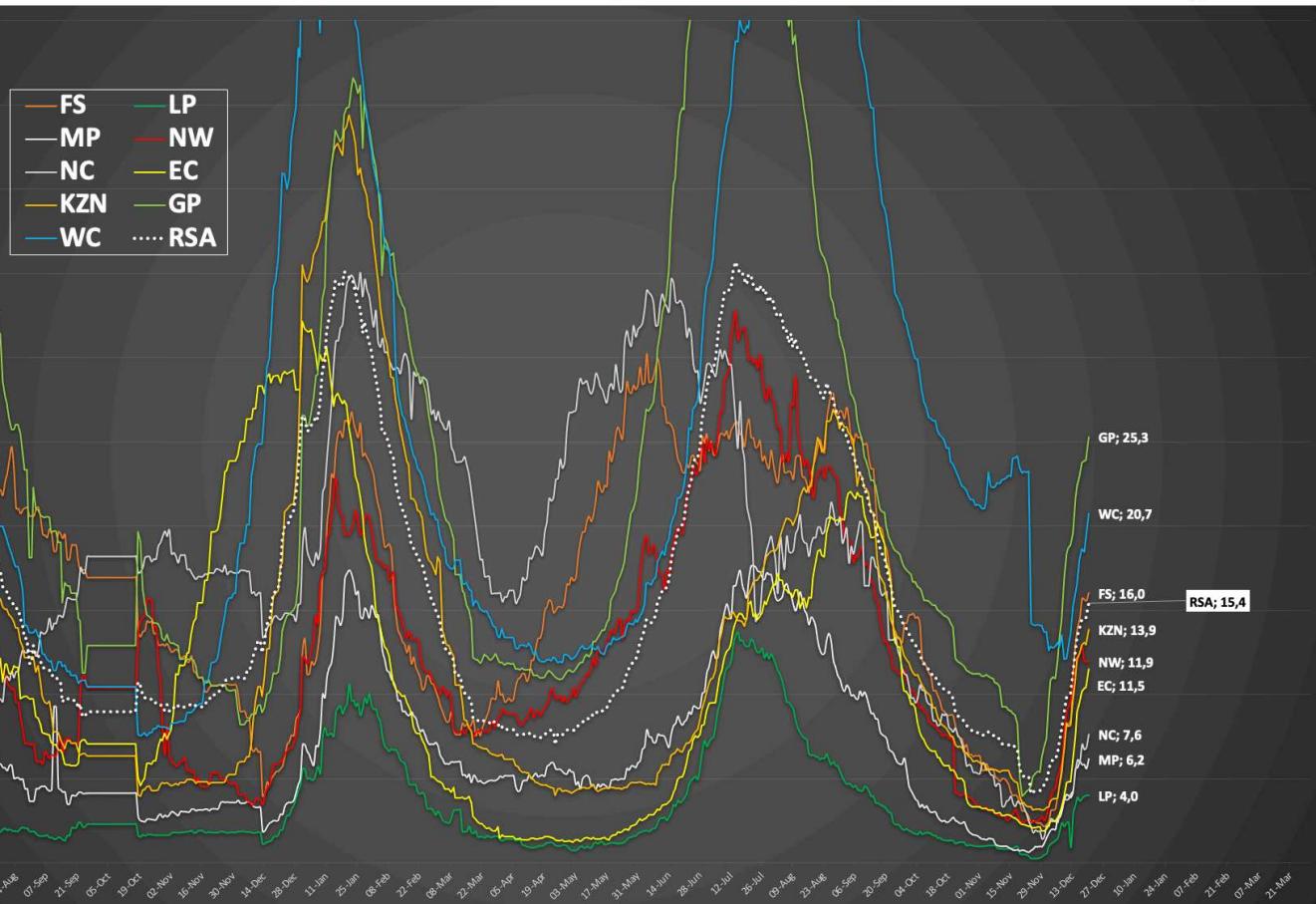
RSA Provinces Key Metrics per million PoP (Jan 2020 to end Mch 2022)

Page 5

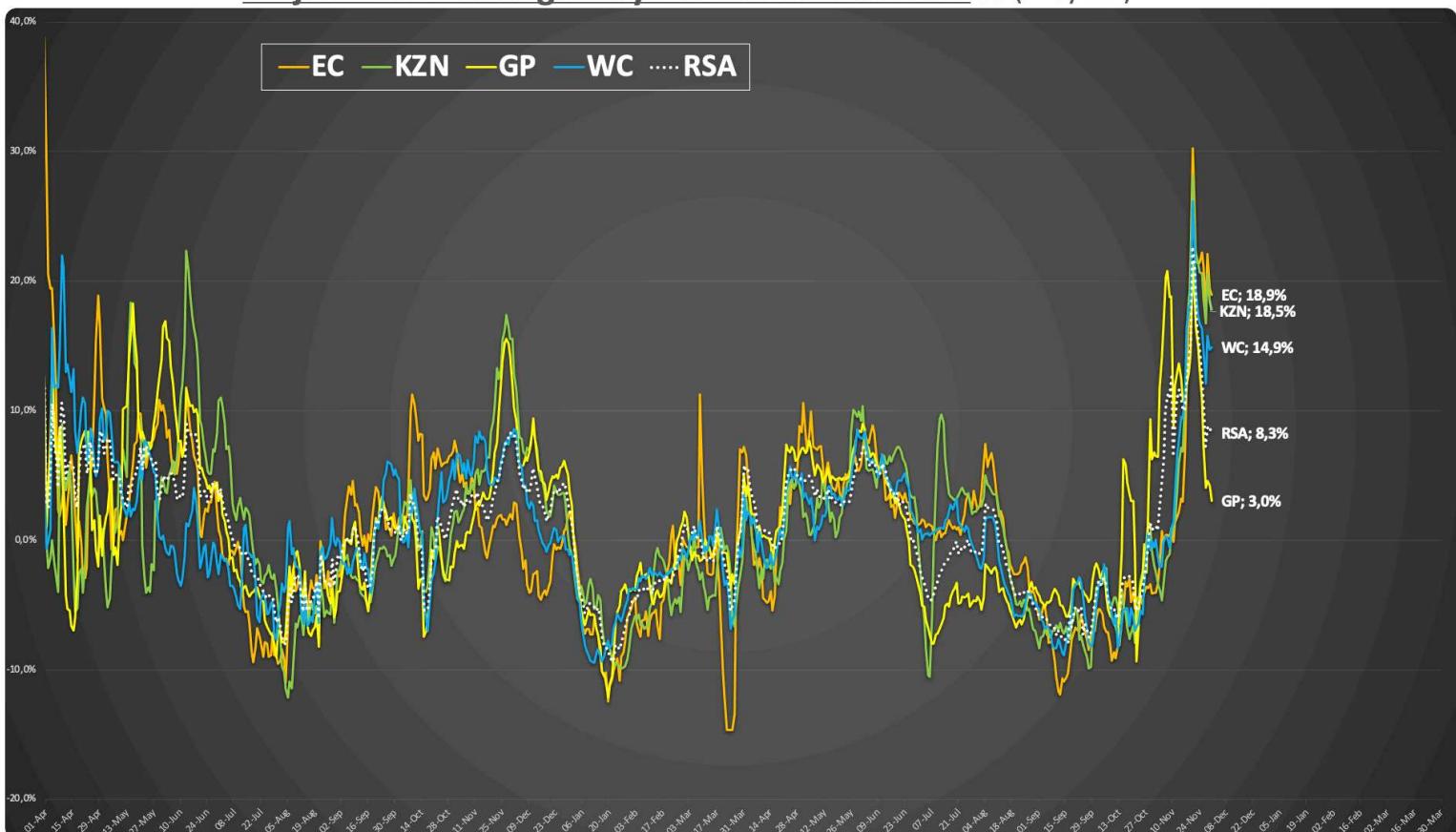


RSA & Prov's Daily Covid Cases in Hospital per 100k Population

Page 5.1



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



Data as at:

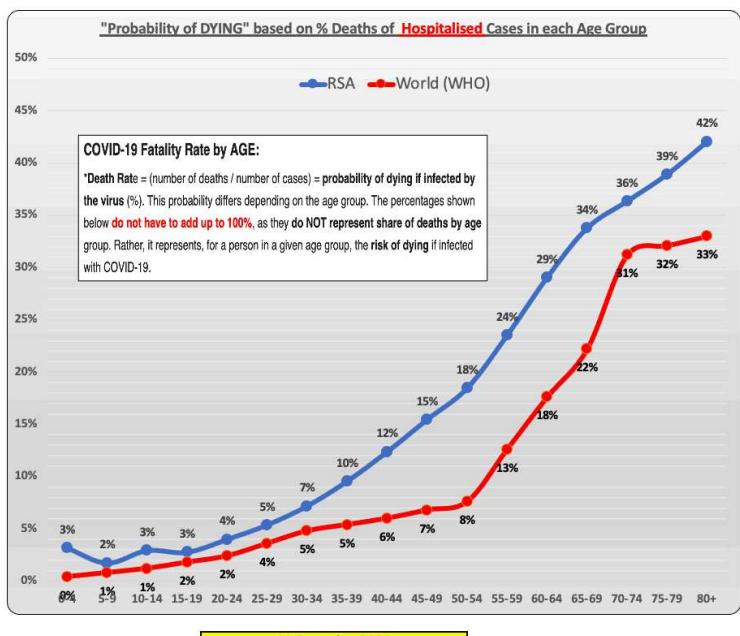
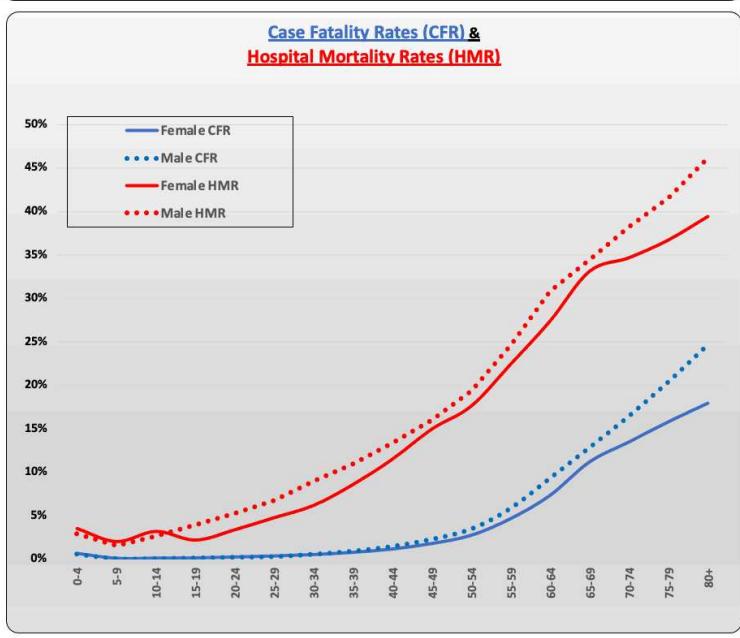
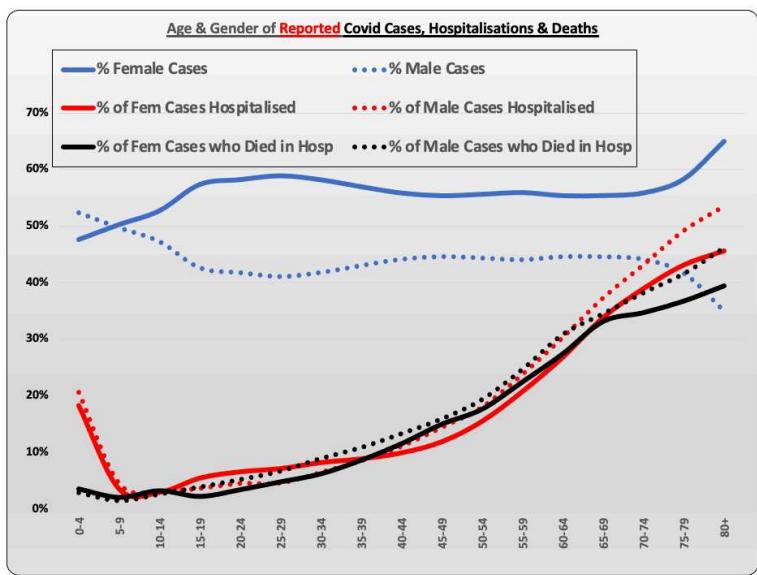
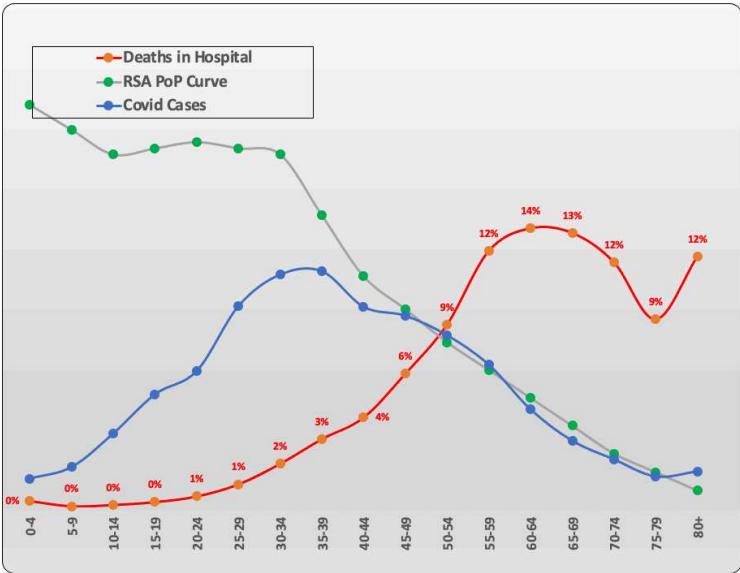
20 December 2021

hdg

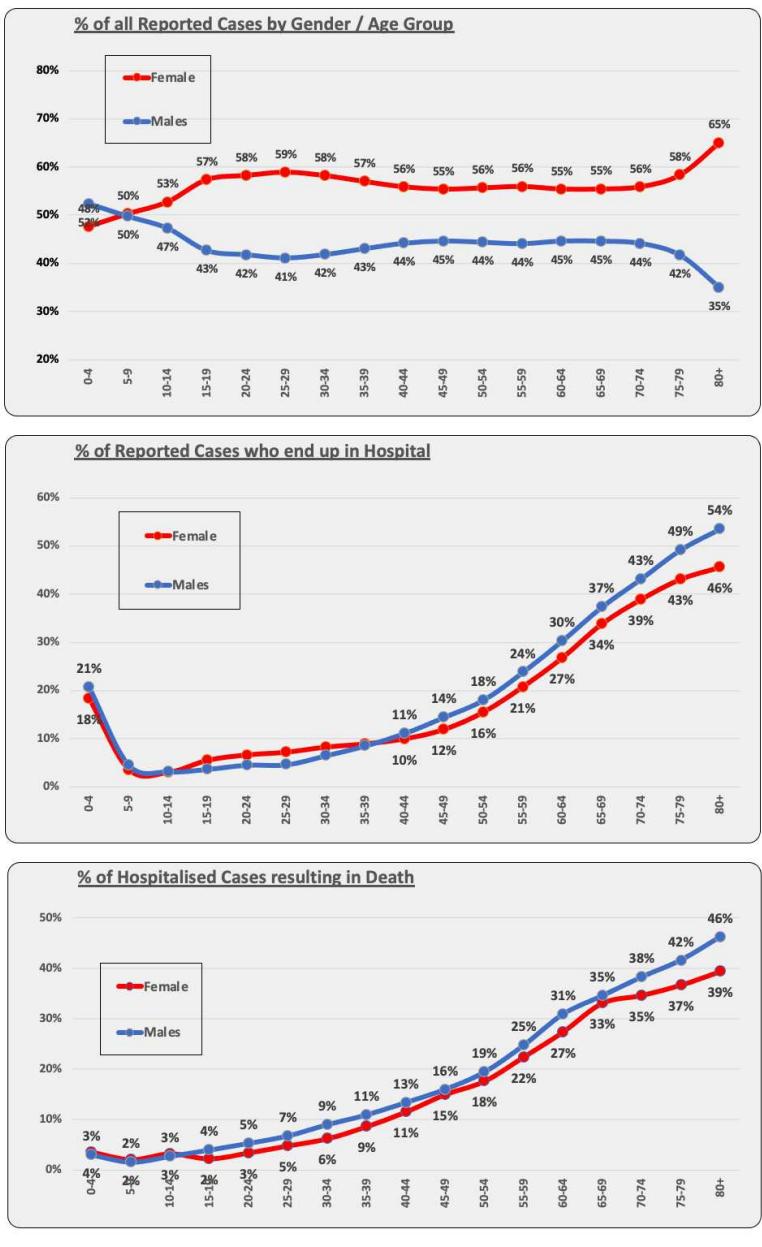
21 December 2021

RSA Age & Gender Stats

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Data as at: 11 December 2021

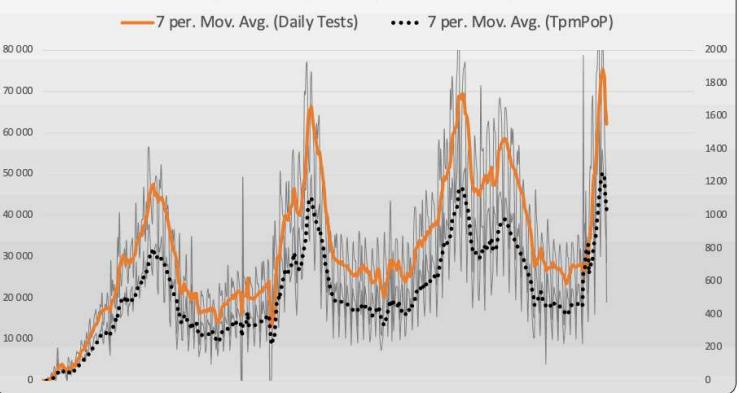


hdg 21 December 2021

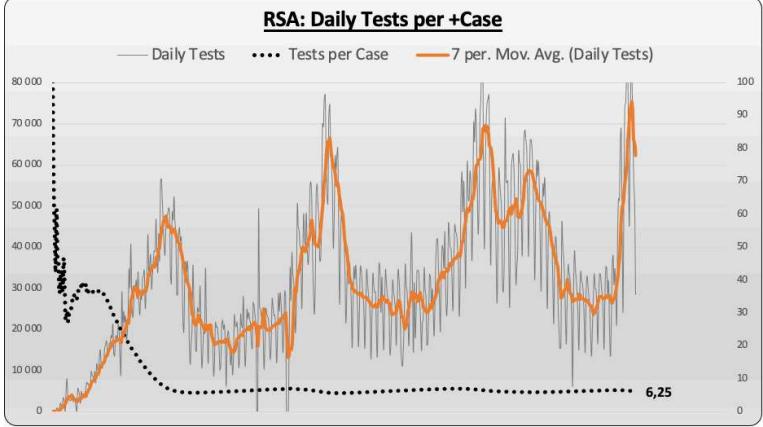
RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 6.1

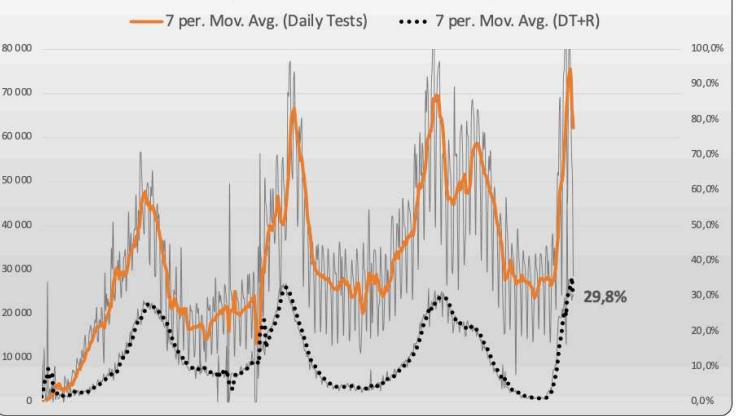
RSA: Daily Tests per million PoP



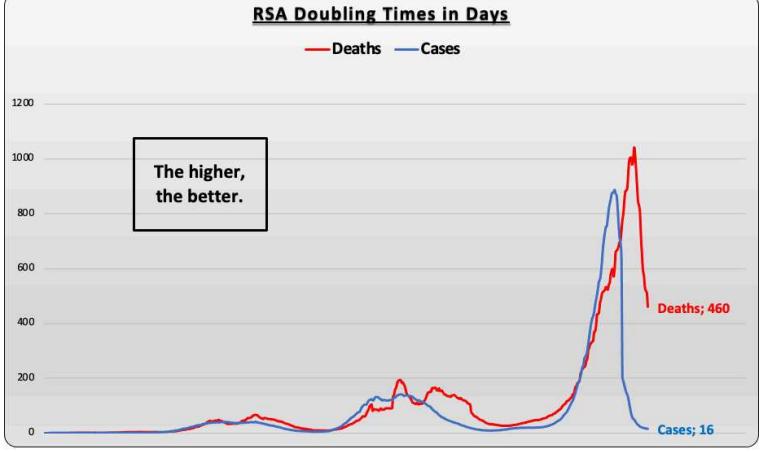
RSA: Daily Tests per +Case



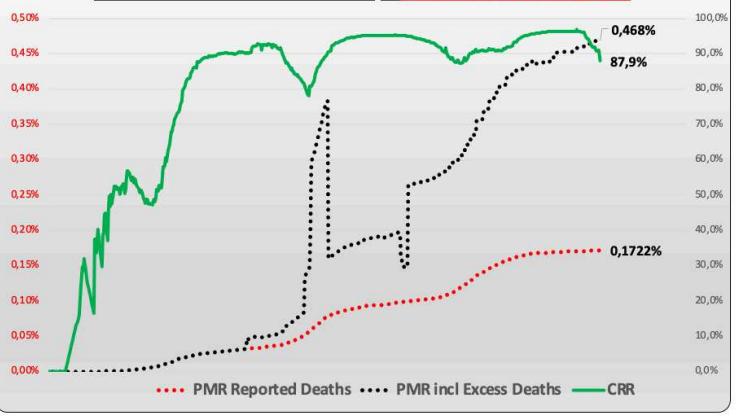
RSA: Daily Tests Positivity %



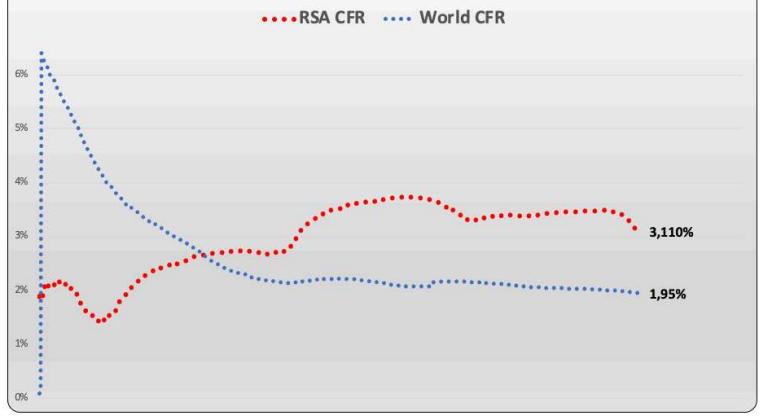
RSA Doubling Times in Days



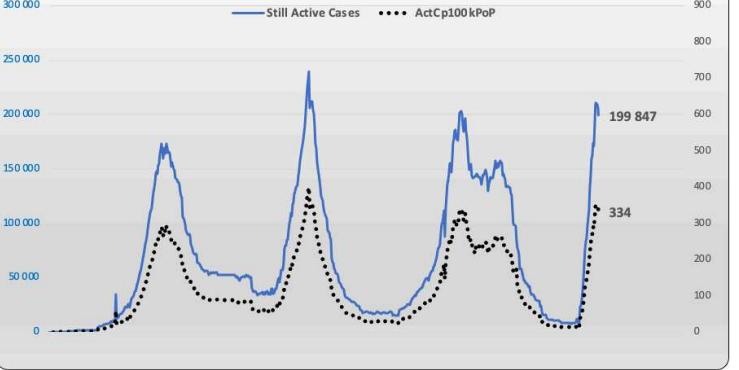
RSA: Case Recovery Rate (CRR) & PoP Covid Mortality Rate



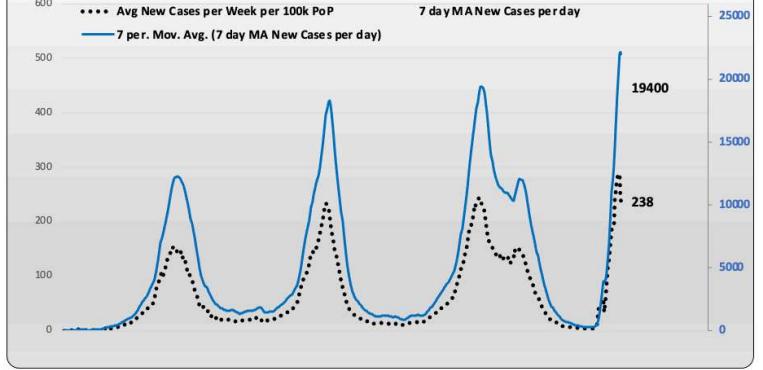
Covid Reported Deaths as % of Reported Cases (CFR)



RSA: Still Active Reported Cases per 100k PoP

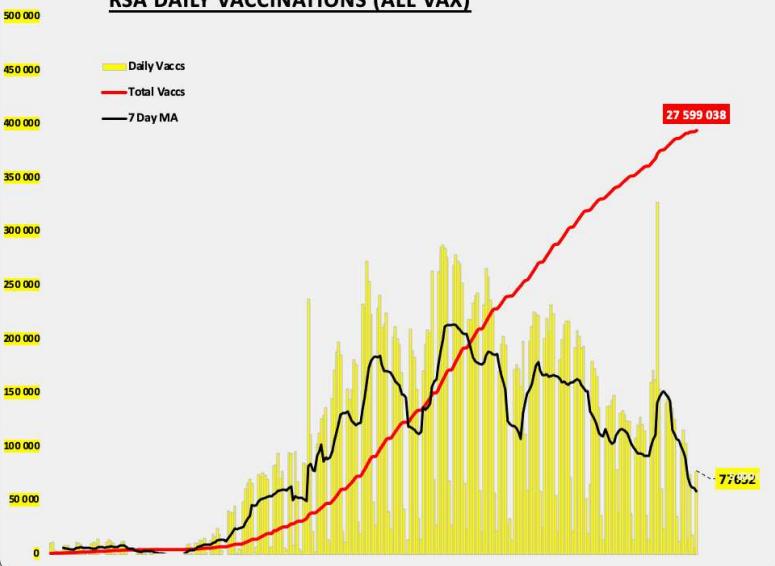


RSA: Avg New Reported Cases per week per 100k PoP

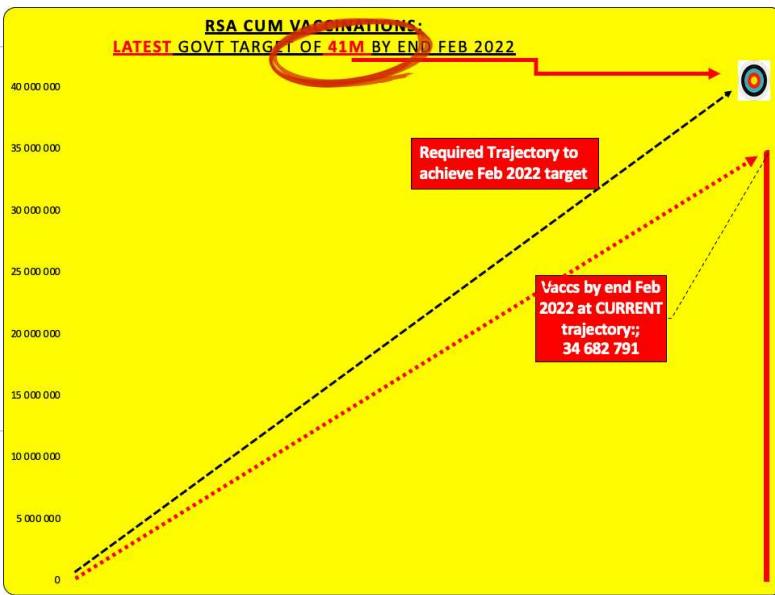


Vaccination Data

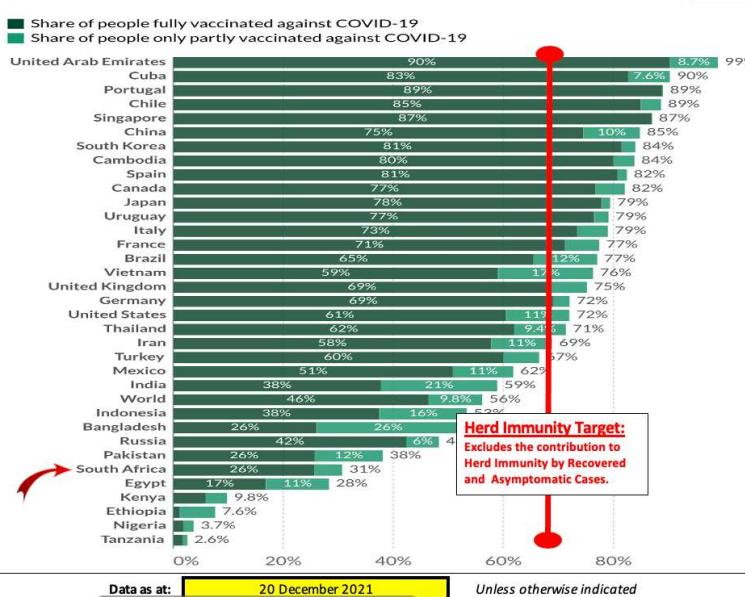
RSA DAILY VACCINATIONS (ALL VAX)



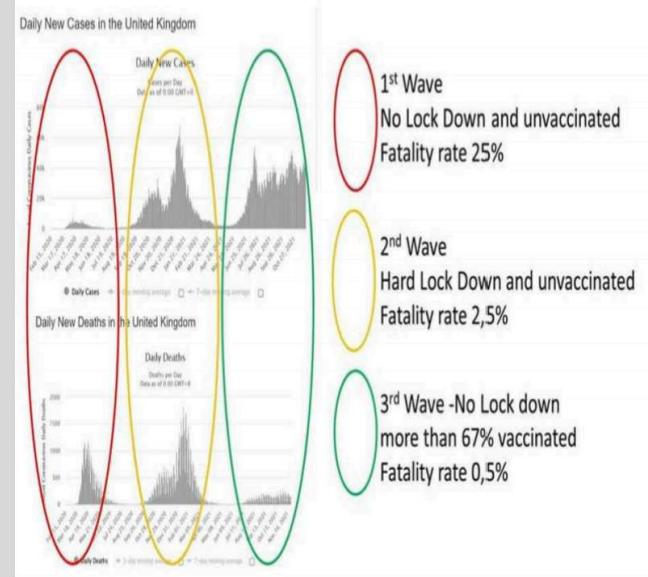
RSA CUM VACCINATIONS: LATEST GOVT TARGET OF 41M BY END FEB 2022



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



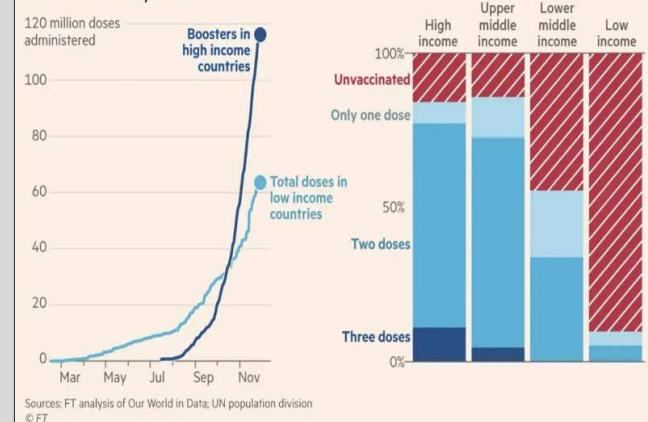
Vaccine Efficacy & Inequality



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



COVID-19 Total Individuals Fully Vaccinated Summary as at 17:00 13 Dec 20...			
Total Adult Population by Province [18 Years and Older] (1)		Individuals Fully Vaccinated as a % of the Adult Population (3)	
		15,182,668	38.15%
Province	Total Adult Population [18 Years & Older]	Total Individuals Fully Vaccinated	Individuals Fully Vaccinated as a % of the Adult Population
Eastern Cape	4 099 543	1 765 668	43.07%
Free State	1 914 521	894 502	45.72%
Gauteng	11 311 326	3 839 591	33.94%
Kwazulu-Natal	7 299 295	2 340 653	32.42%
Limpopo	3 495 801	1 057 020	44.84%
Mpumalanga	3 039 520	1 021 405	33.07%
North West	2 693 247	1 050 314	39.00%
Northern Cape	847 545	350 922	41.60%
Western Cape	2 276 507	850 507	36.52%
Total	39 798 201	15 182 668	38.15%
Age Group	Total Adult Population [18 Years & Older]	Total Individuals Fully Vaccinated	Individuals Fully Vaccinated as a % of the Adult Population
18-34 Years	17 788 531	4 276 998	24.04%
35-49 Years	11 096 937	5 011 754	42.86%
50-59 Years	4 817 271	2 073 013	55.50%
60+ Years	5 505 482	3 217 716	58.65%
Unidentified	0	3 147	0.00%
Total	39 798 201	15 182 668	38.15%

Definitions:
(1) Total Adult Population [18 Years and Older] (1)
(2) Total Number Individuals Fully Vaccinated: One dose (0/1 single dose regimen) or Pivzovir dose regimen first & second dose administered
(3) % of Total Adult Population [18 Years and Older] Fully Vaccinated: Total Number Individuals Fully Vaccinated(2) divided by Total Adult Population(1)

A smile is the best vaccine....



CORONAVIRUS TEST
BREAKTHROUGH



'I have it, I don't have it...'



*'It's ridiculous that cricket isn't allowed.
Nobody in our team has
ever caught anything'*

MATT



*'After isolating with his
dog Dilyn, the PM has
now tested positive for
kennel cough'*