HarryG COVID-19 Dashboard

Cum +Cases	Daily Change
754 256	1 987

Active +Cases	+Cases per mill PoP	Deaths per mill PoP
37 003	12 717	344,8

Deaths Avg Age	Deaths Min Age	Deaths Max Age
61,9	0,2	105

RSA COVID-19 DASHBOARD

17 November 2020

Cum Deaths	⇧
20 451	119

	Cases	Deaths	CFR %
Female :	58,2%	48,7%	1,72%
Male :	41,8%	51,3%	2,39%

30-Oct

% +Cases who Died (CFR)
2,71%

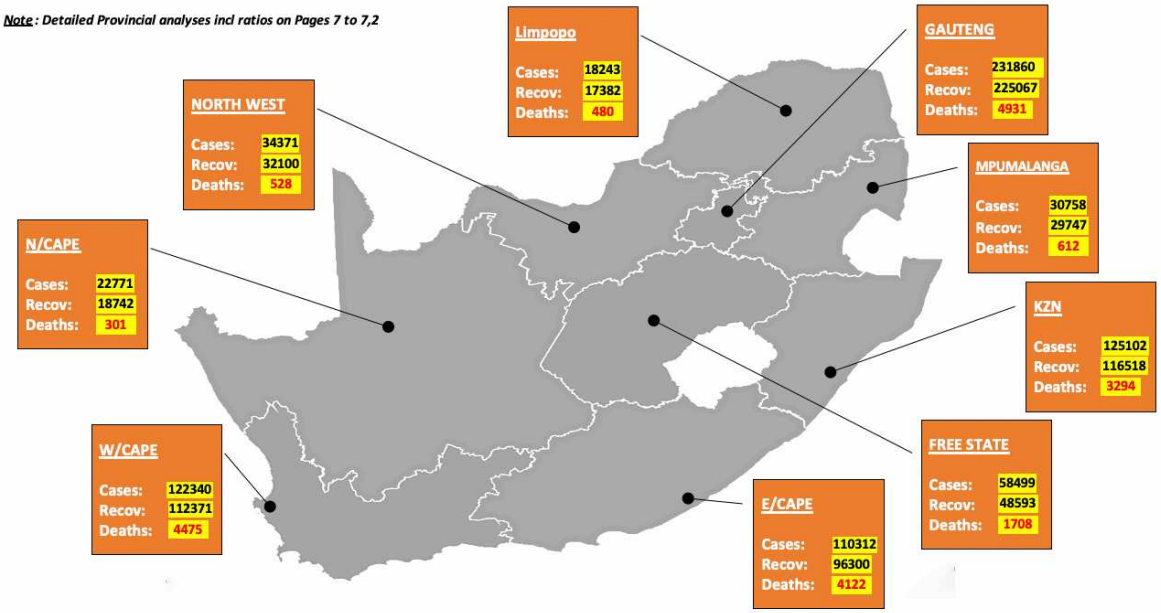
% of RSA PoP who Died (CMR)
0,0345%

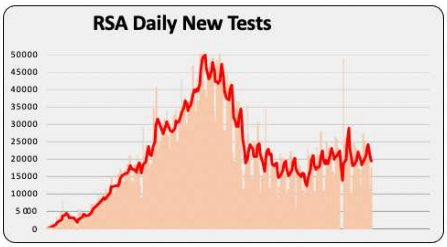
Deaths Median Age
63,2

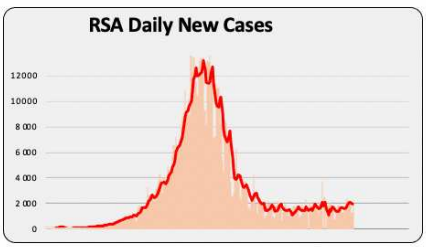
Cum Recoveries
696 820

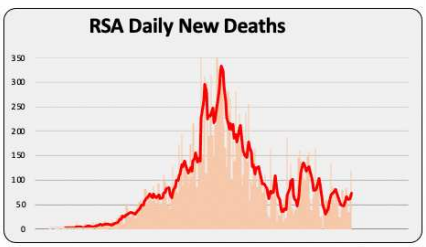
Cum Tests
5 160 877

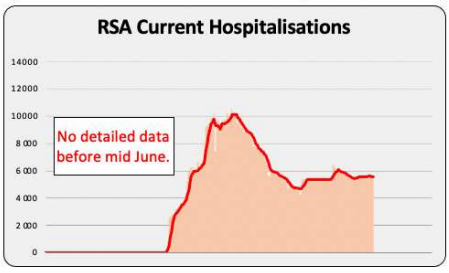
Note : Detailed Provincial analyses incl ratios on Pages 7 to 7,2

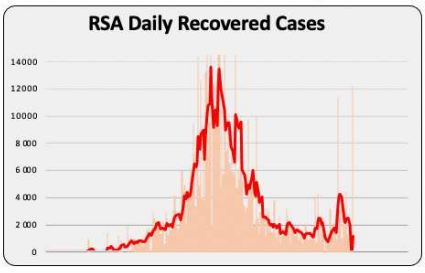


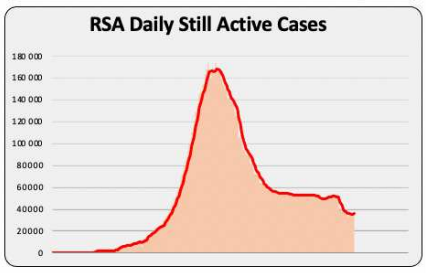


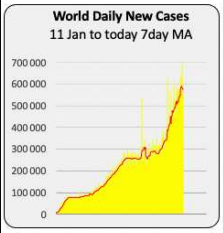


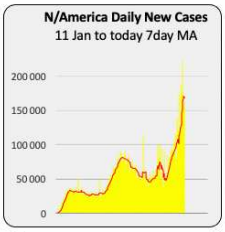


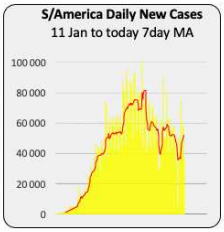


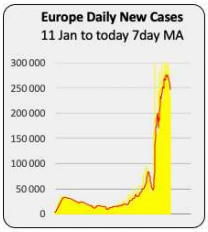


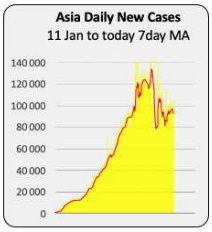


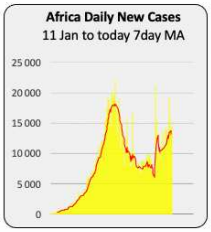


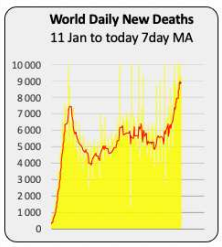


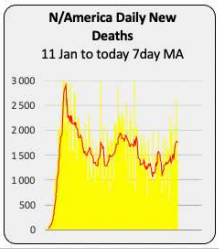


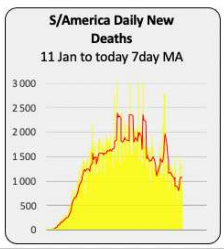


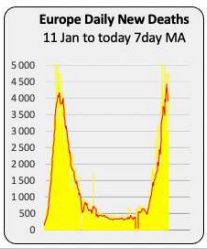


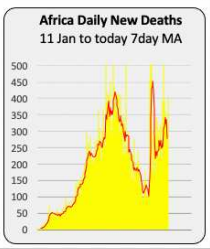




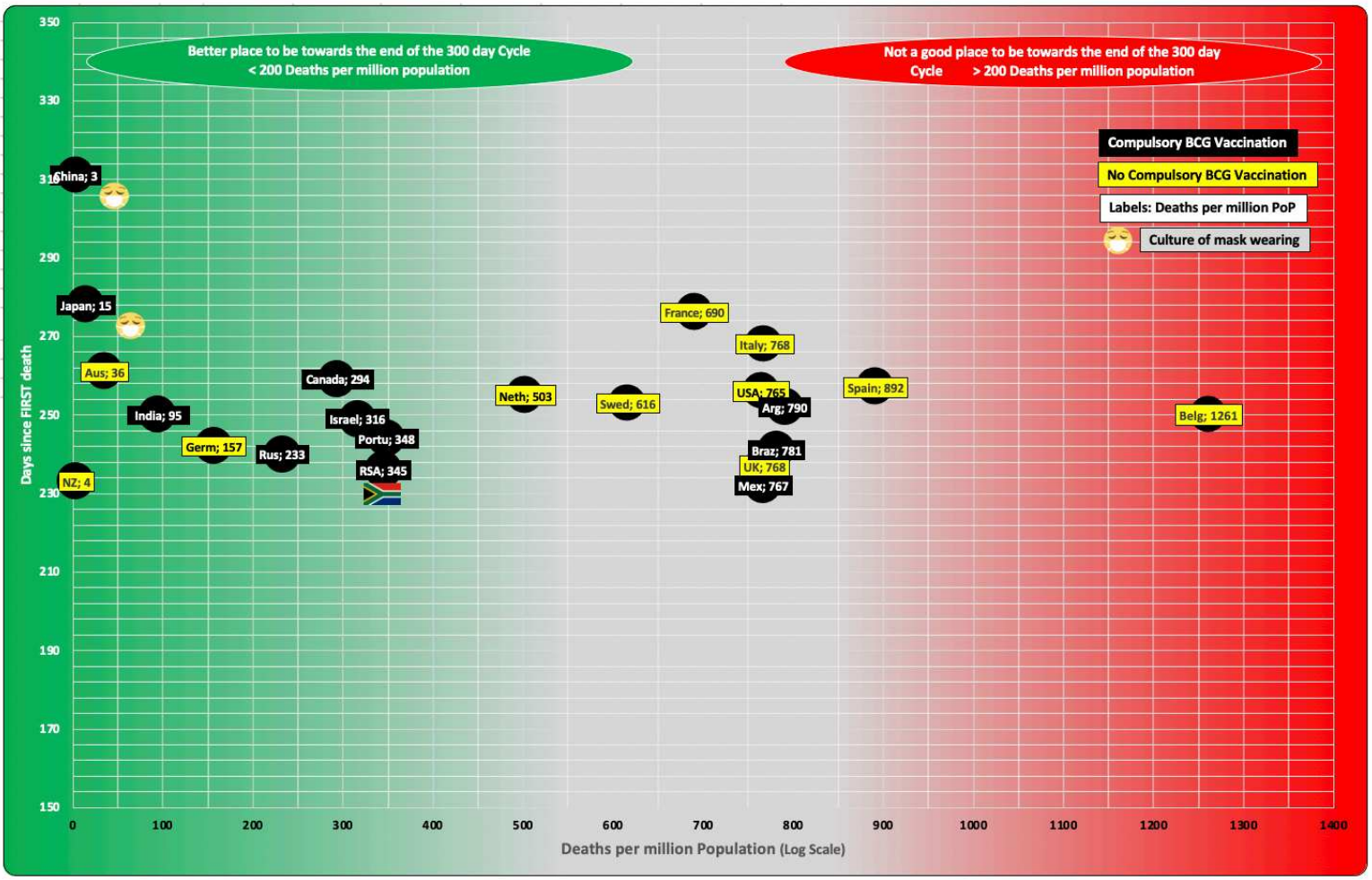






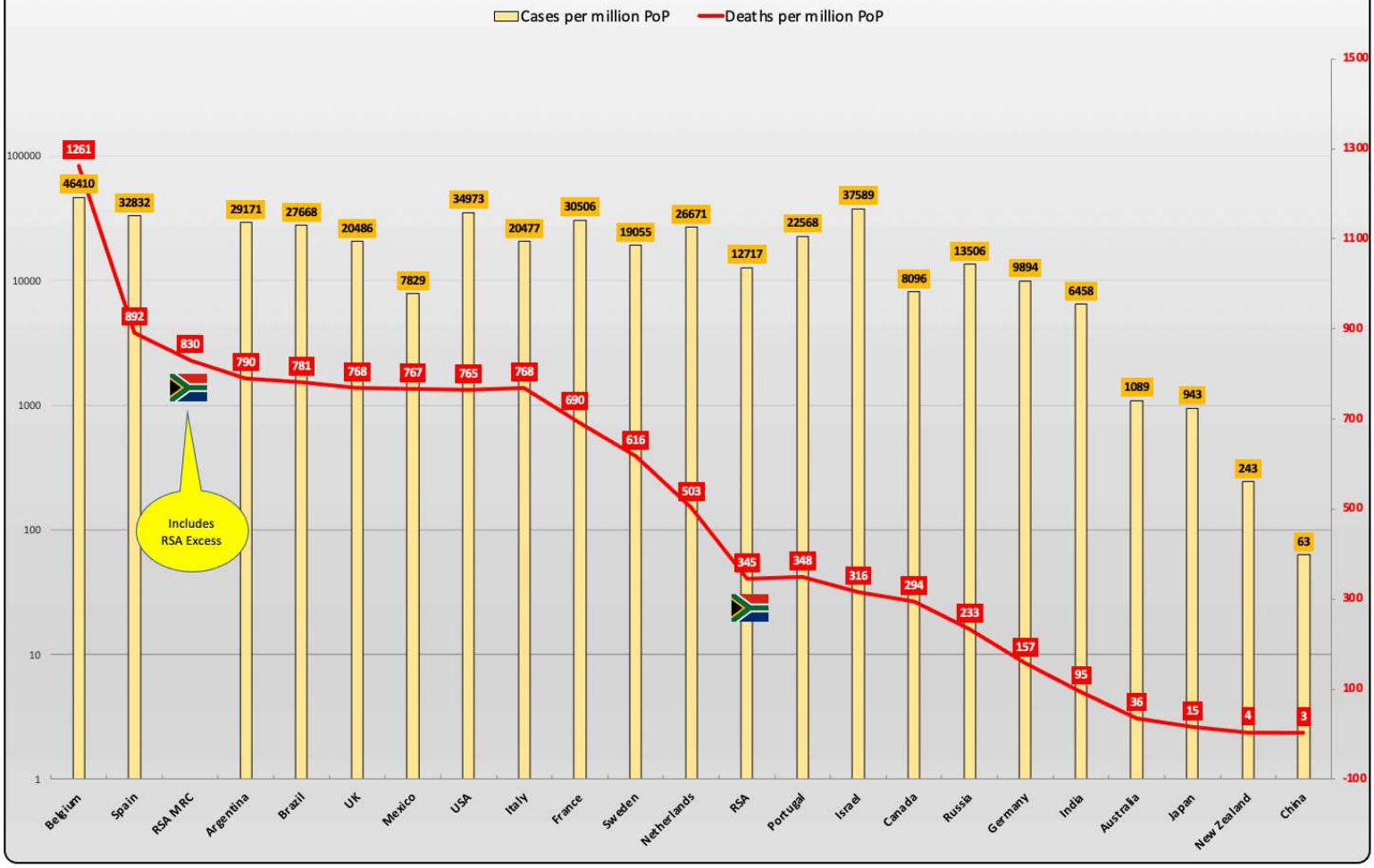


Covid Reported Deaths per million Population & Days since 1st Covid Death



Current Cum Cases & Cum Deaths per million PoP

(Two axes primary Y Log 2nd Y Linear)



Data as at: 17 November 2020 *Unless otherwise indicated*

hdg 17 November 2020

Daily Deaths Curves & Rate of Onset and next Wave "Inclinometers"

5 day MA Trendline from date of 1st death (all on Log Scale)

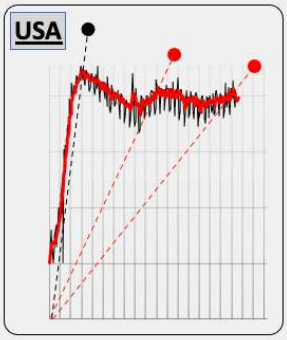
Peaked but spiking again

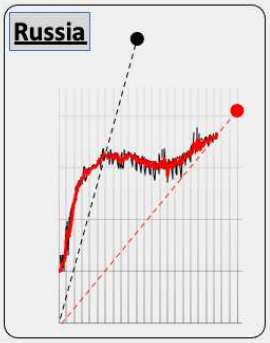
Passed peak but could rebound OR 2nd wave

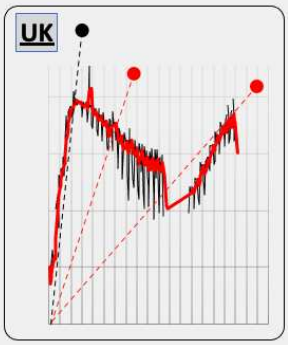
Well past peak, unlikely to rebound

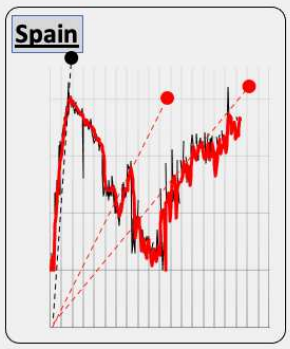
Onset/1st wave

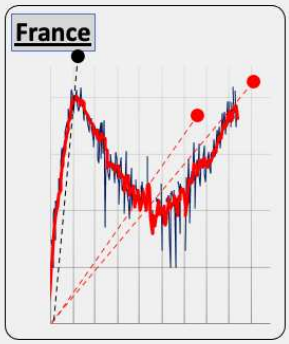
2nd & 3rd waves

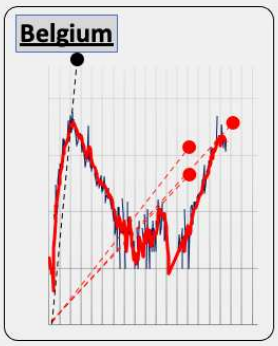


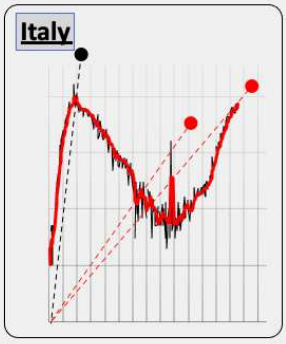


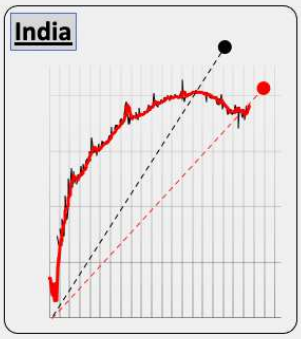


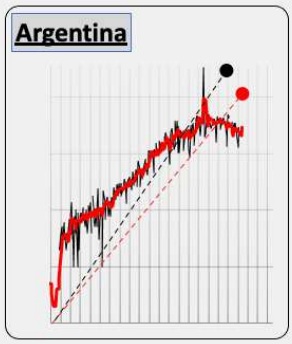


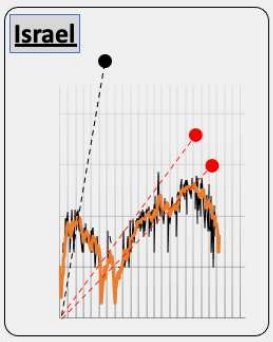


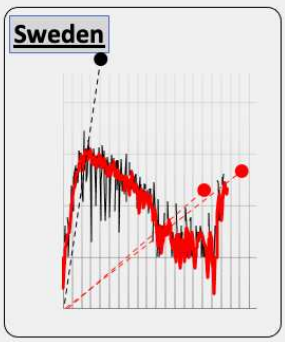


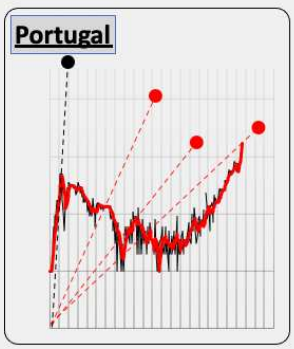


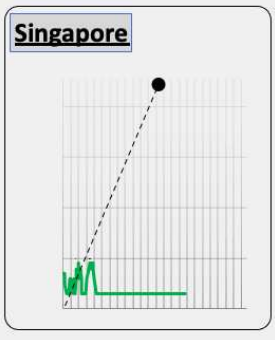


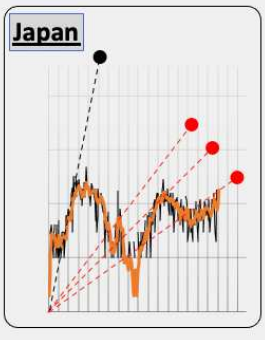


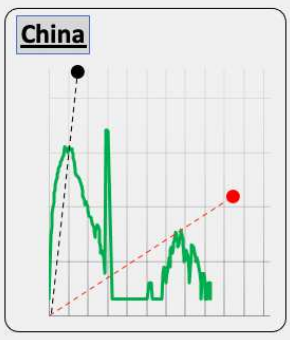


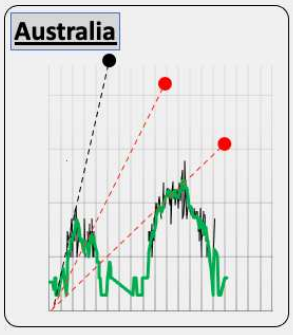


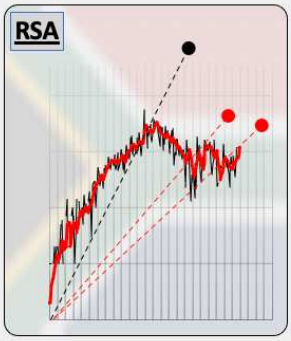


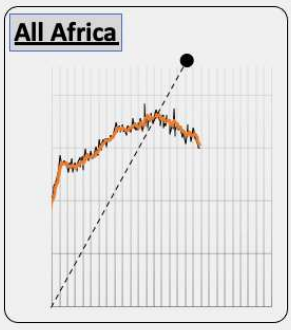


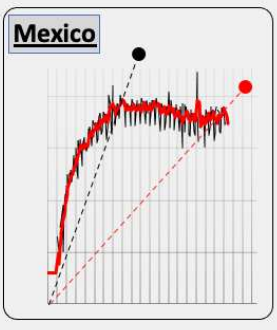


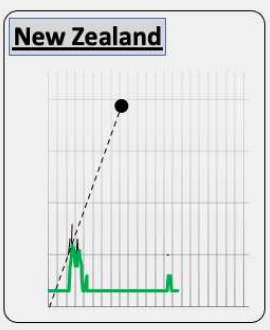












Comment:
The different angles of the black dotted lines clearly demonstrate the impact of early and sustained formal preventative actions ie Social Distancing / Lockdowns.
The trade off is that the longer you sustain Lockdowns, the greater the damaging social and economic impact.
The **STEEPER** the black dotted line, the **FASTER** the time to peak 5 day MA daily deaths due to less preventative action ie Social Distancing / Lockdowns. Therefore the **FLATTER** the black dotted line, the **SLOWER** the time to peak 5 day MA daily deaths due to more effective implementation of formal preventative actions, this is generally referred to as **FLATTENING THE CURVE**.
The red dotted lines show subsequent waves and by implication possible lower levels of "Herd Immunity".
A latter initial curve (ie RSA & Argentina) may be resulting in the steady development of "Herd Immunity".....?
** UK, Spain & China's 2nd peaks are due to a data aberration on non-hospitalised deaths.*

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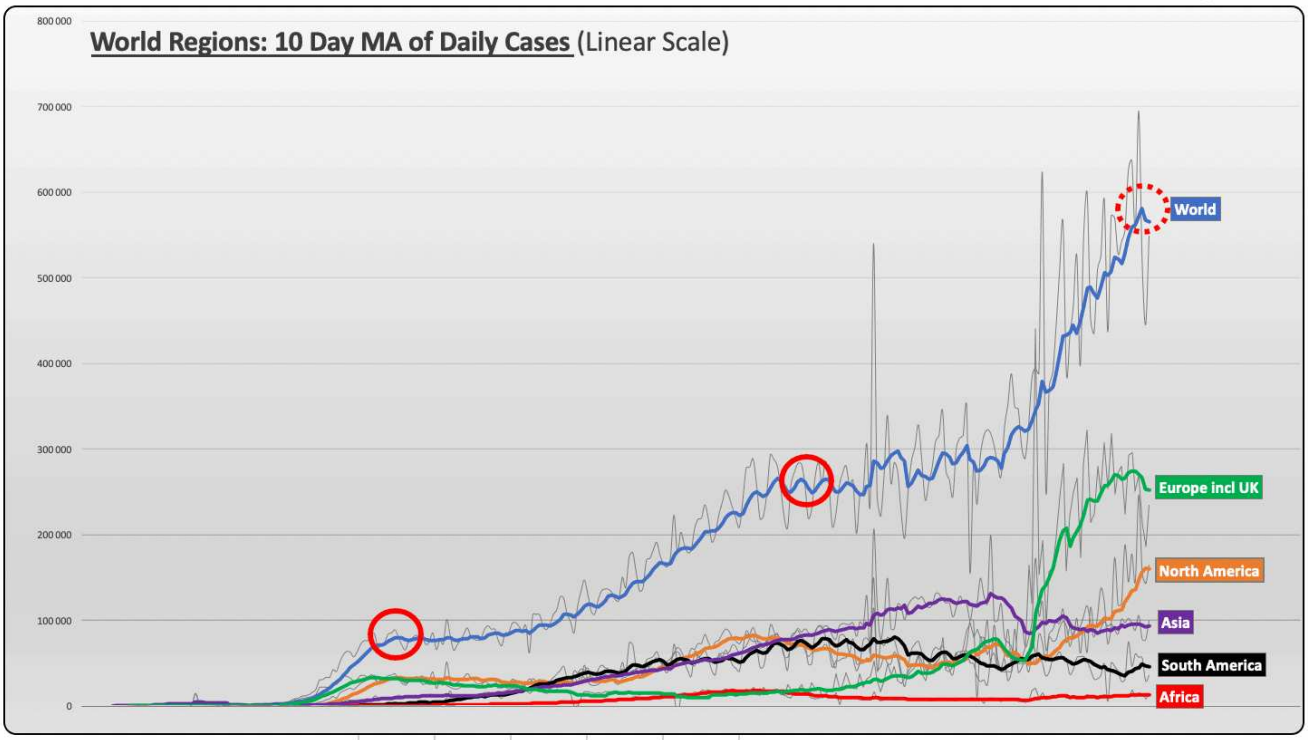
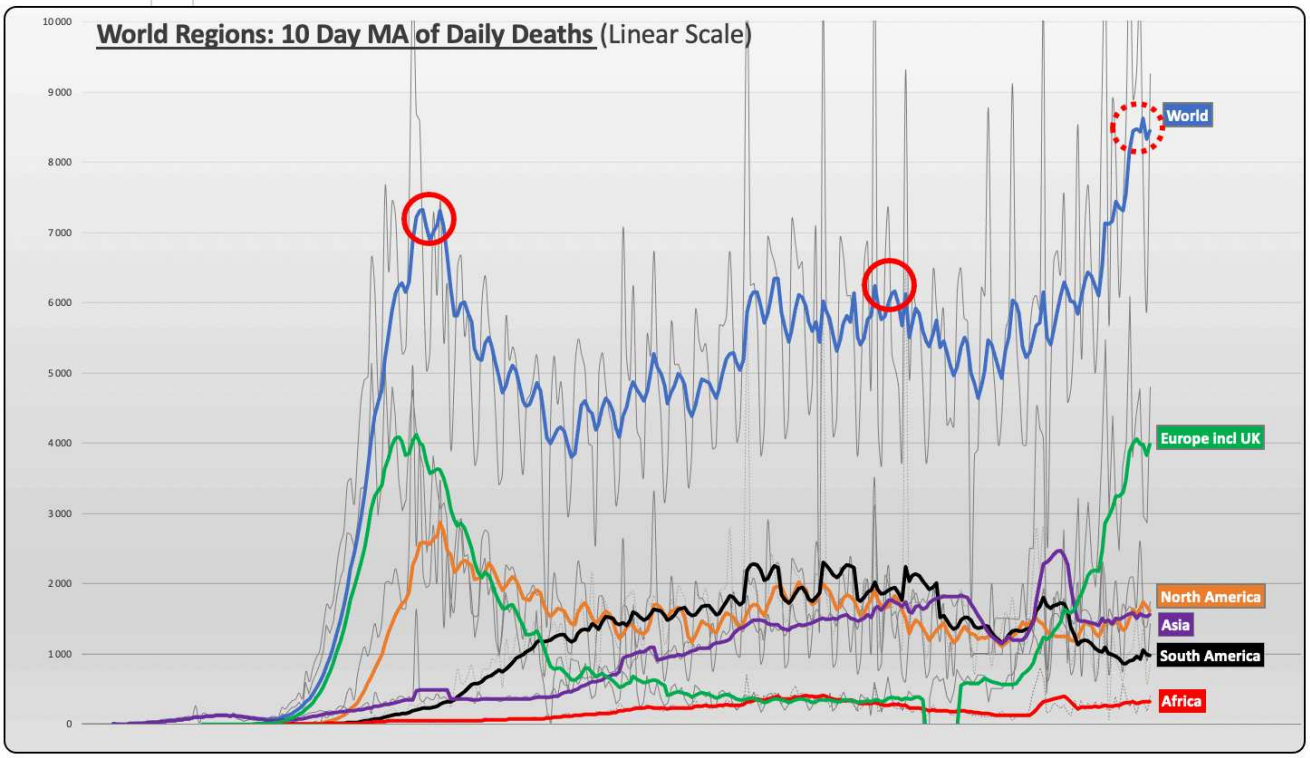
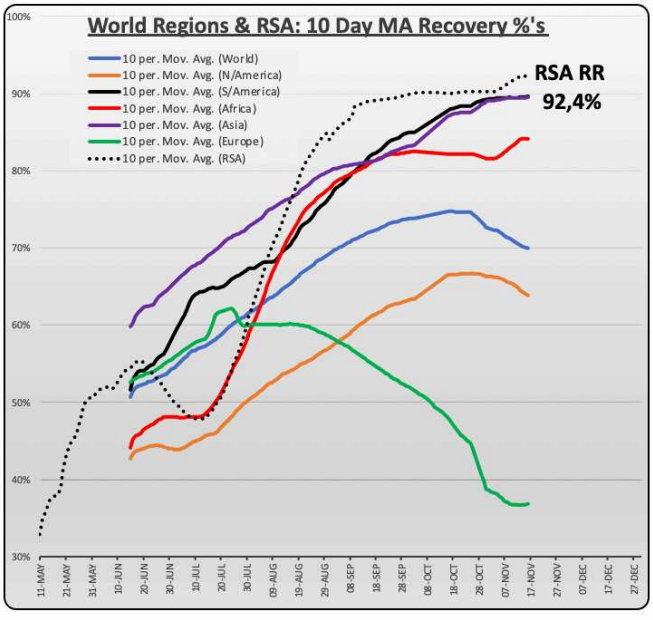
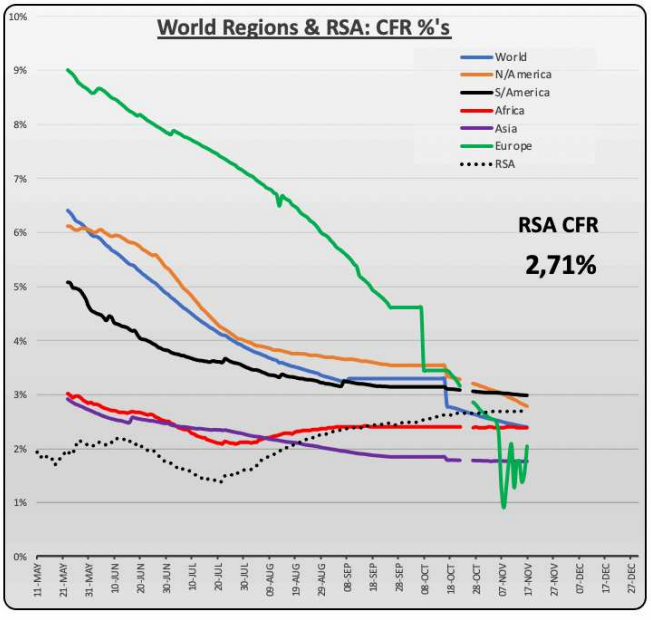
Data as at: 17 November 2020 *Unless otherwise indicated*

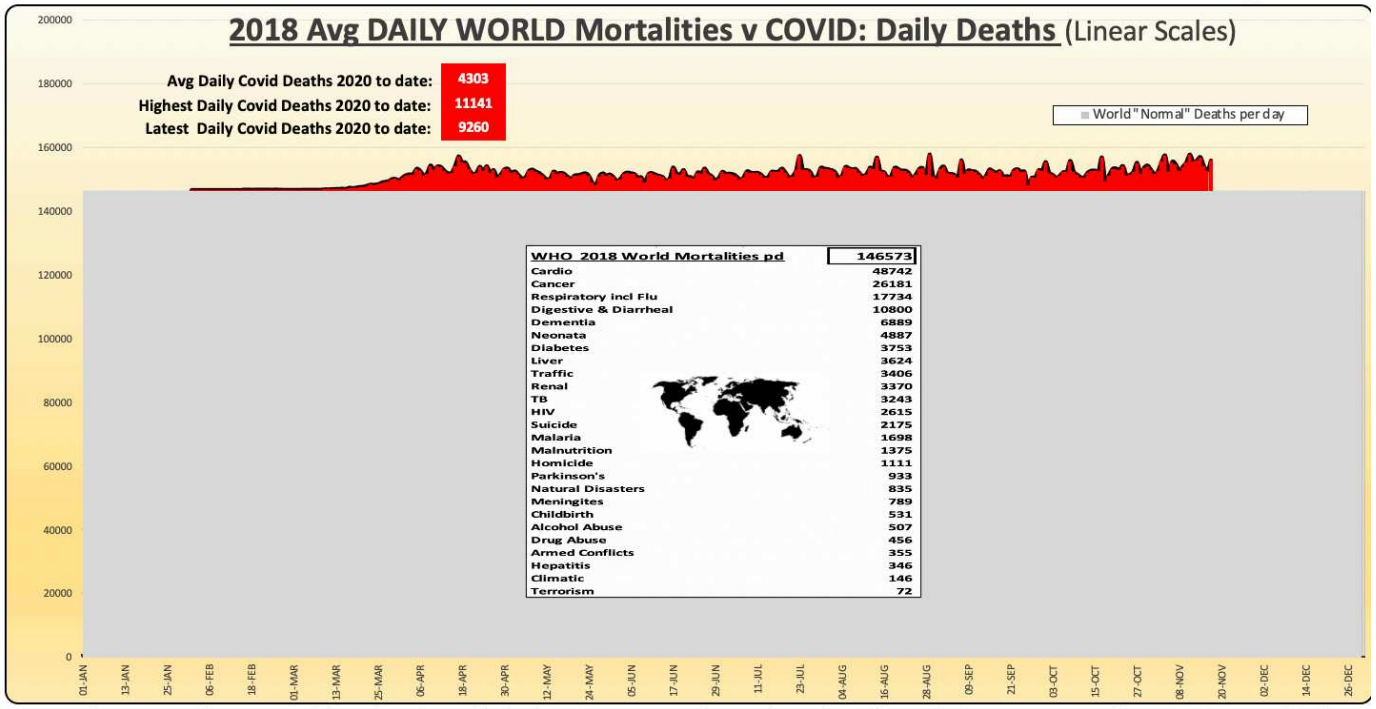
10 Day Moving Average Deaths & Cases by World Region



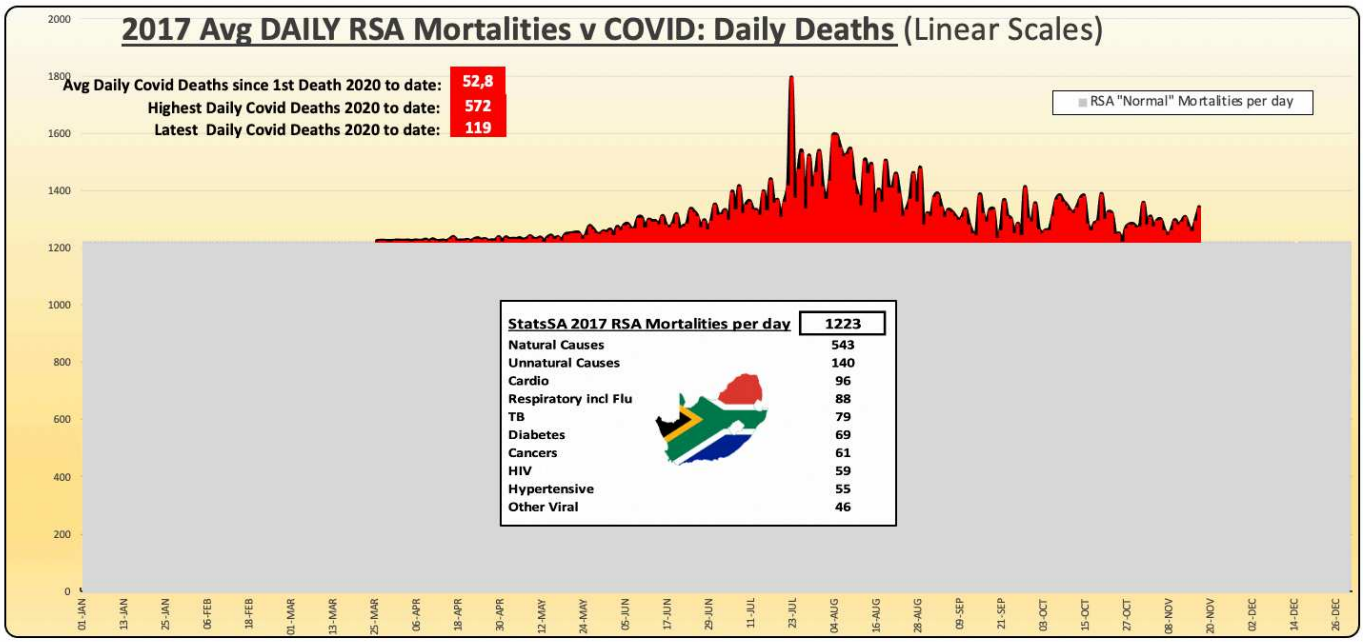


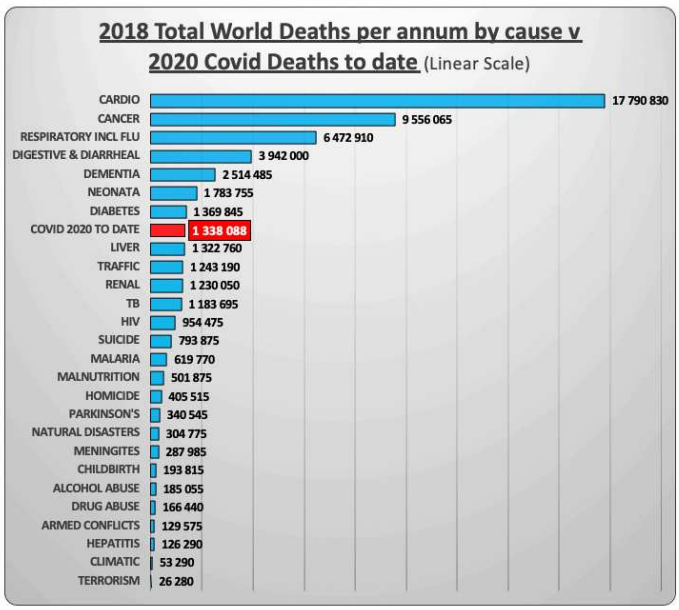


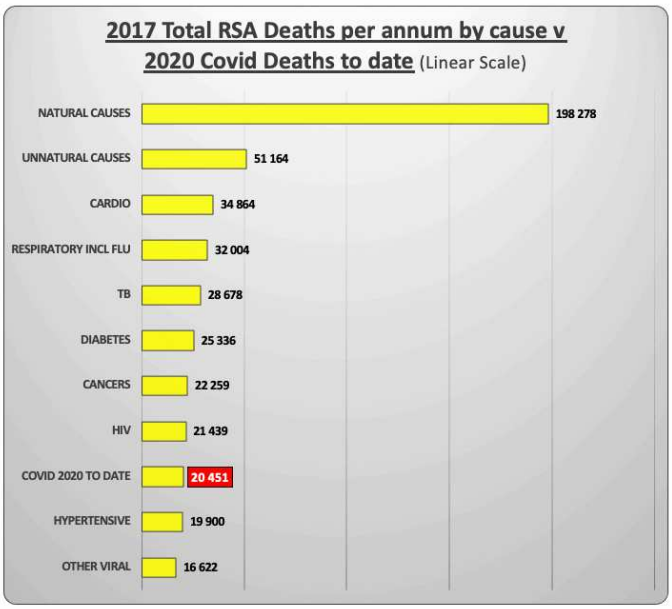




The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.
The big GREY blocks are TOTAL Daily Avg Deaths from ALL causes over a full calendar year.
The RED area/lines on top of the Grey blocks are the INCREMENTAL Actual Daily Deaths due to Covid.
Obviously some of the Covid Deaths will "overlap" with the "normal" Deaths due to comorbidities.

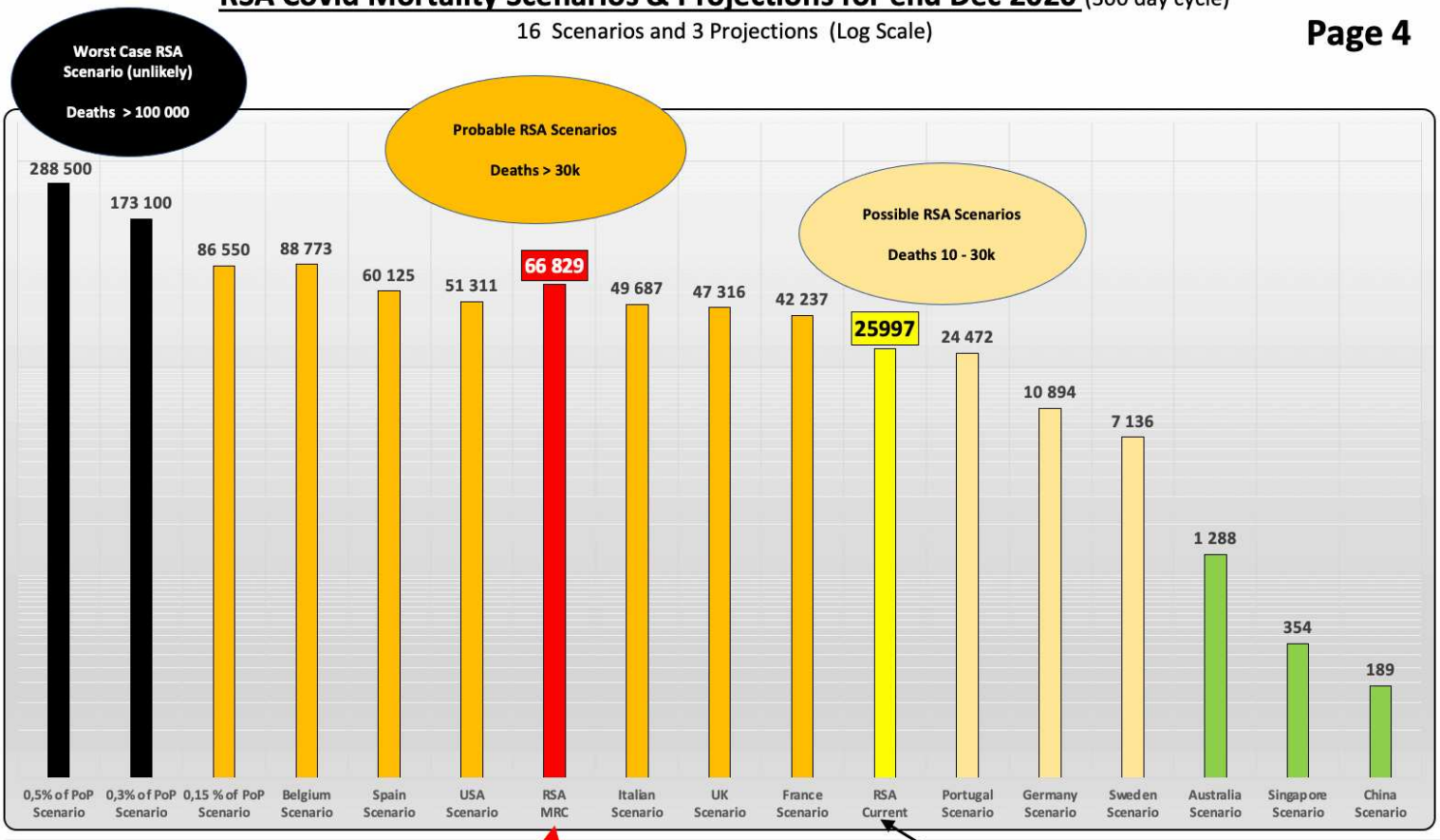






RSA Covid Mortality Scenarios & Projections for end Dec 2020 (300 day cycle)

16 Scenarios and 3 Projections (Log Scale)



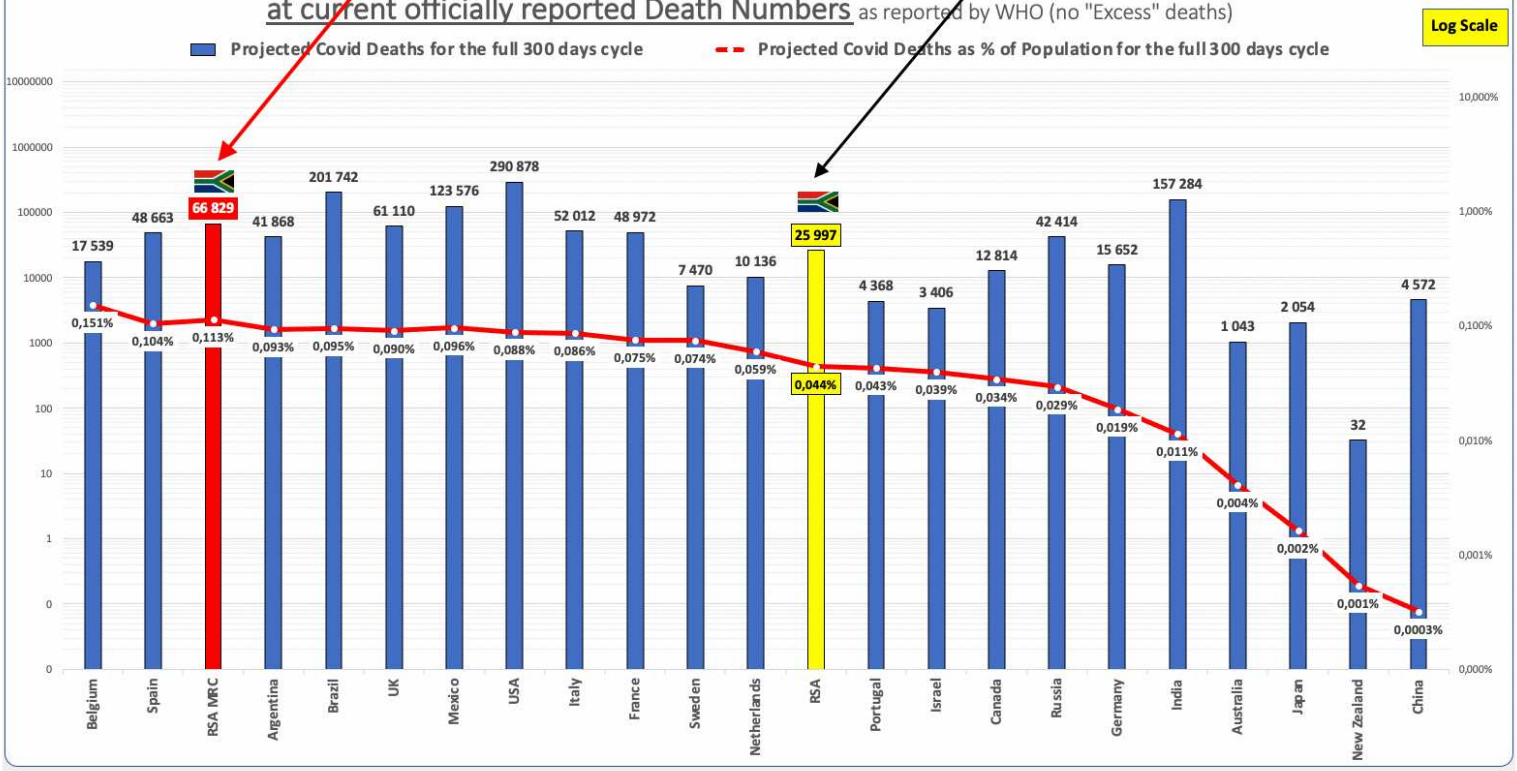
Key:

All Scenarios duly adjusted for population size and for the different timelines into the deemed 300 day pandemic cycle.

This projection uses the SA Medical Research Council data on "Excess Deaths". The assumption is that 90% of their reported Excess Deaths are probably due to Covid. The ratios are updated bi-weekly by the MRC but I apply these ratios to the official stats on a daily basis for this projection.

This number is simply the avg daily Deaths as reported to date x 300 (deemed cycle).

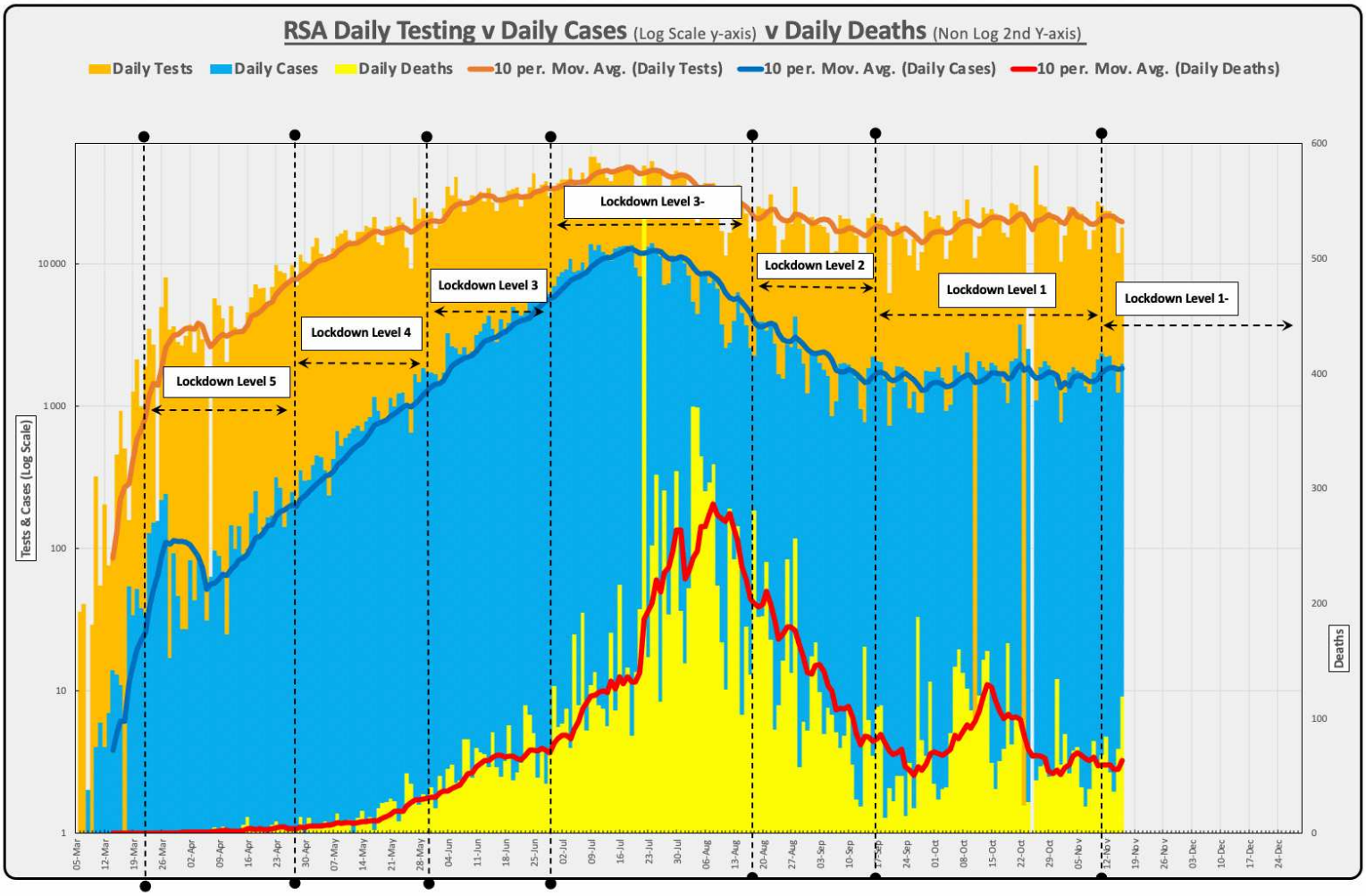
Projected Deaths by end Dec 2020 per country and % Deaths per Country Populations at current officially reported Death Numbers as reported by WHO (no "Excess" deaths)

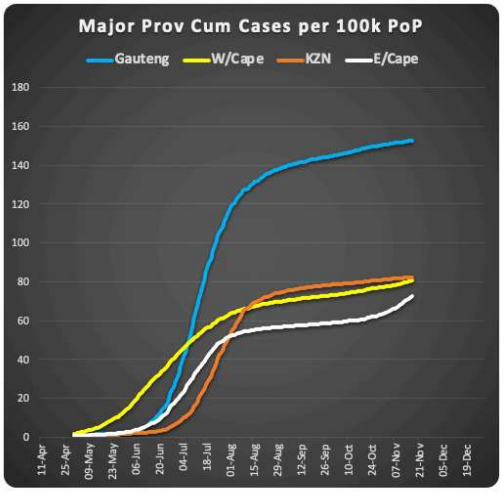


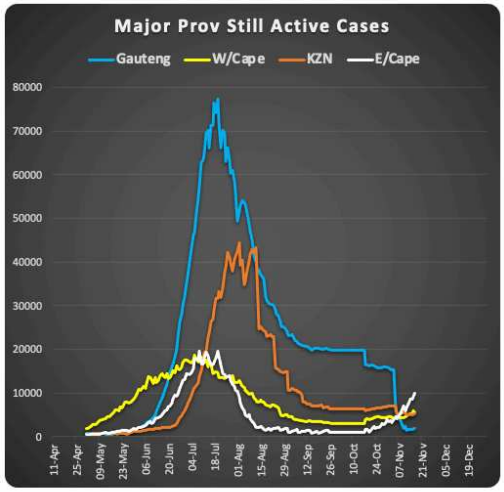
Note: Above Mortality %'s are overall projected mortality of the populations (PMR), NOT deaths of only those infected (CFR).

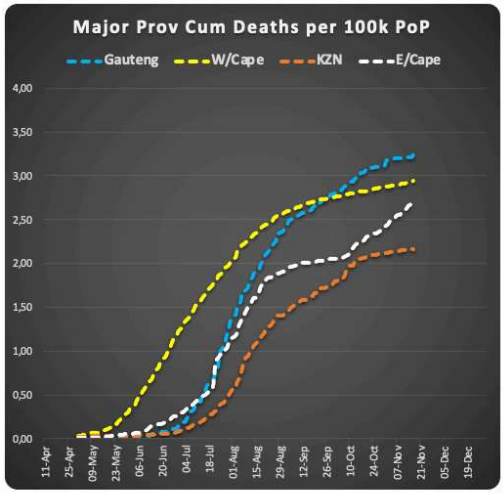
Data as at: 17 November 2020 *Unless otherwise indicated*

hdg 17 November 2020





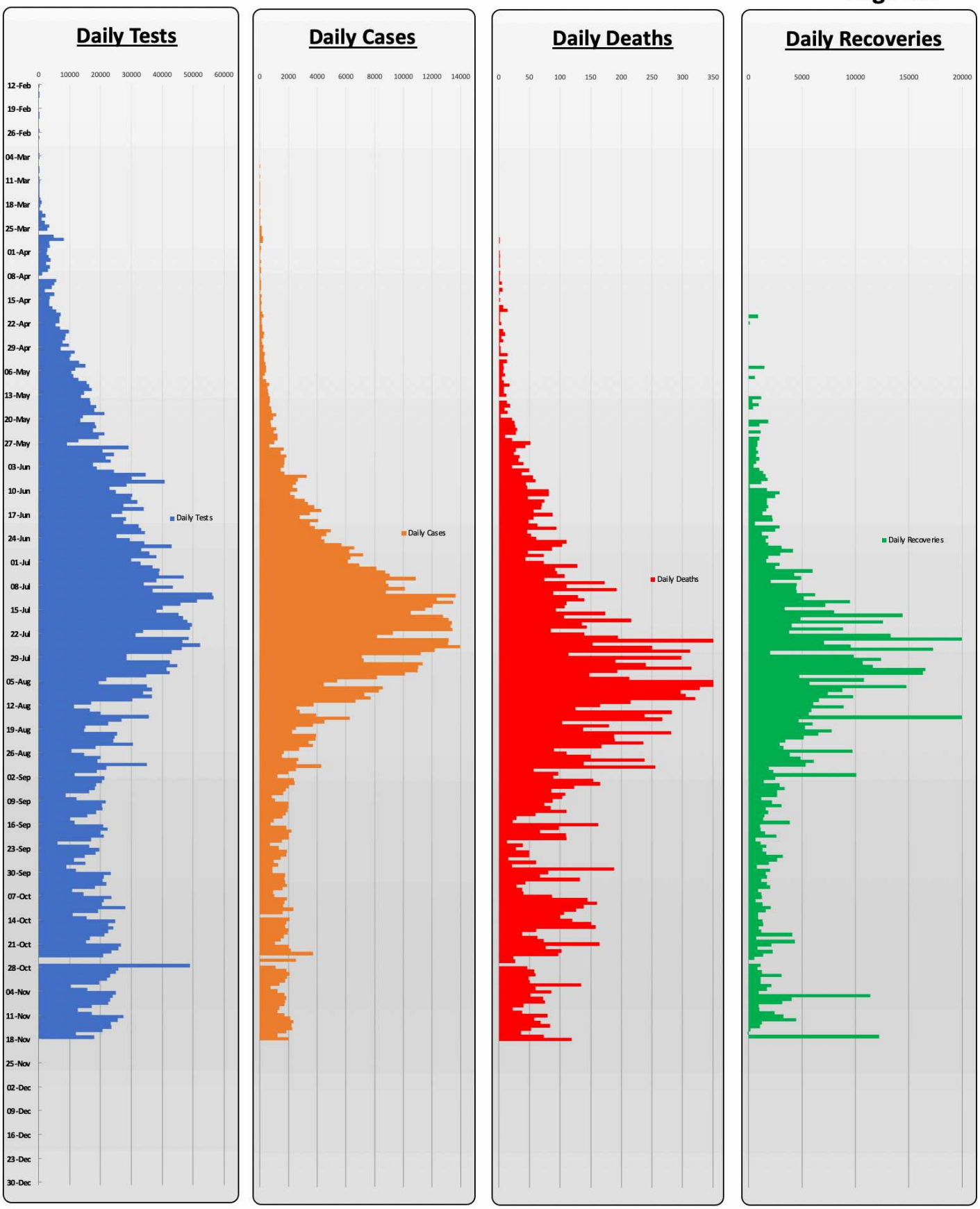


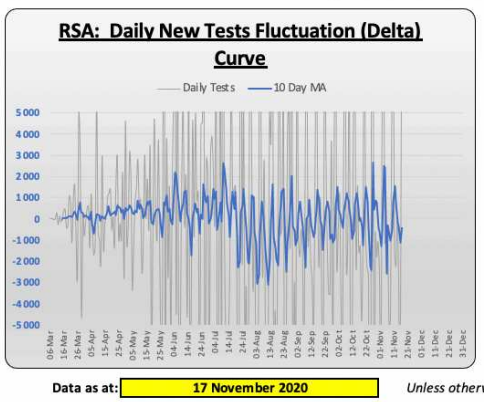


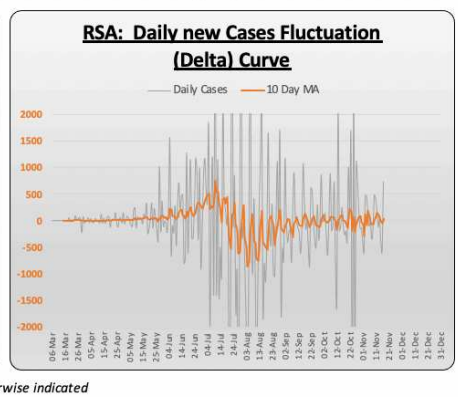
Data as at: 17 November 2020 *Unless otherwise indicated*

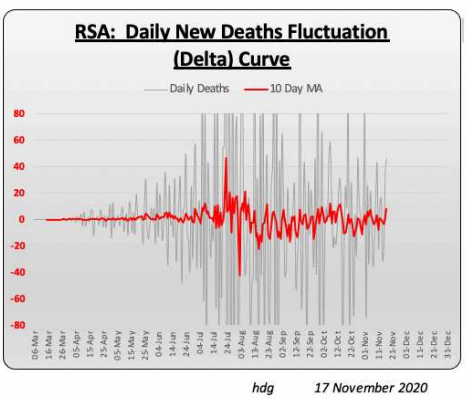
hdg 17 November 2020

RSA Daily Raw Data Trackers

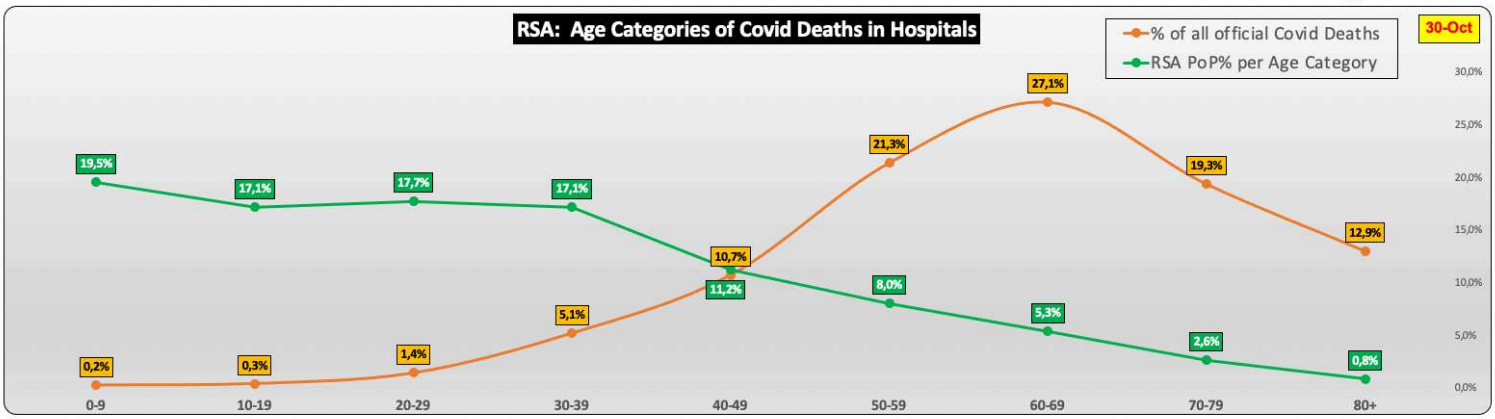


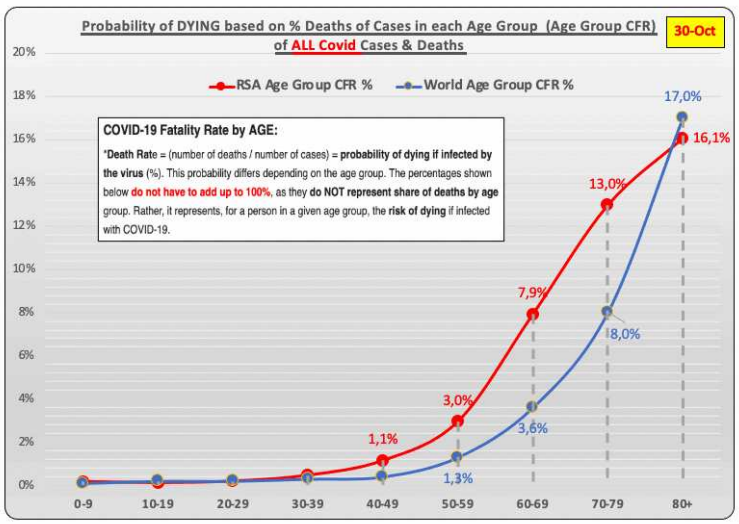


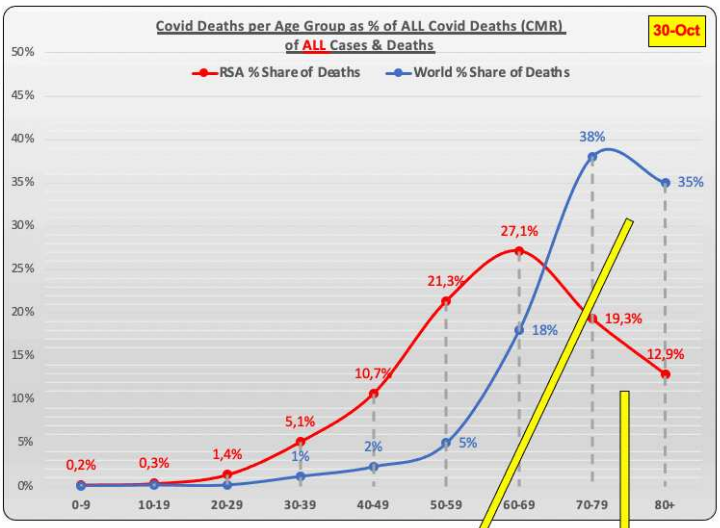


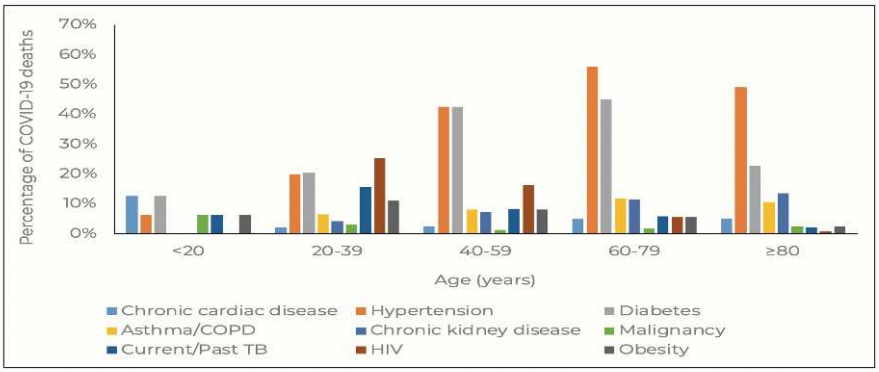


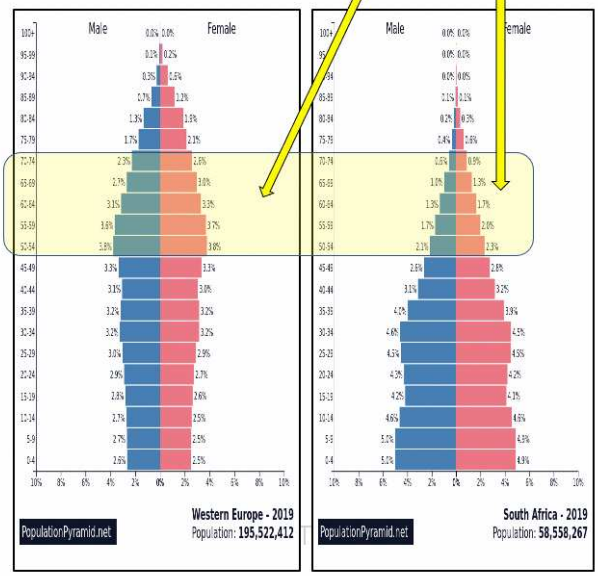
RSA Age & Gender Stats





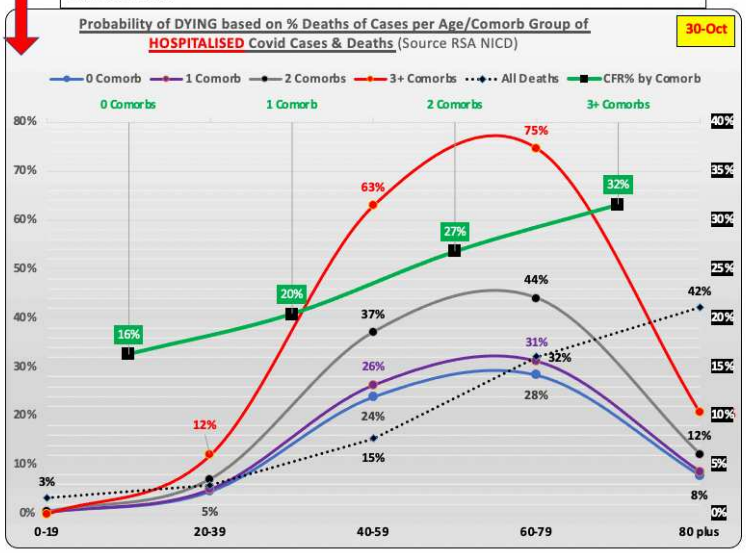


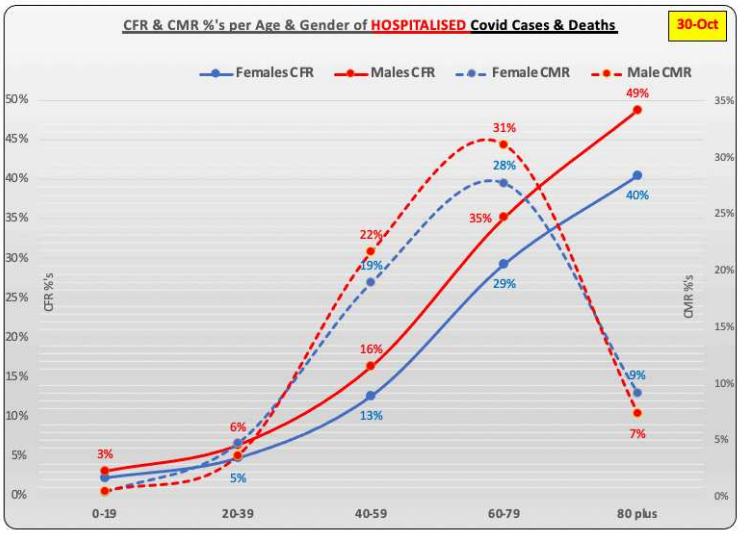




COVID-19 Fatality Rate by AGE:

*Death Rate = (number of deaths / number of cases) = **probability of dying if infected by the virus** (%). This probability differs depending on the age group. The percentages shown below **do not have to add up to 100%**, as they **do NOT represent share of deaths by age** group. Rather, it represents, for a person in a given age group, the **risk of dying** if infected with COVID-19.



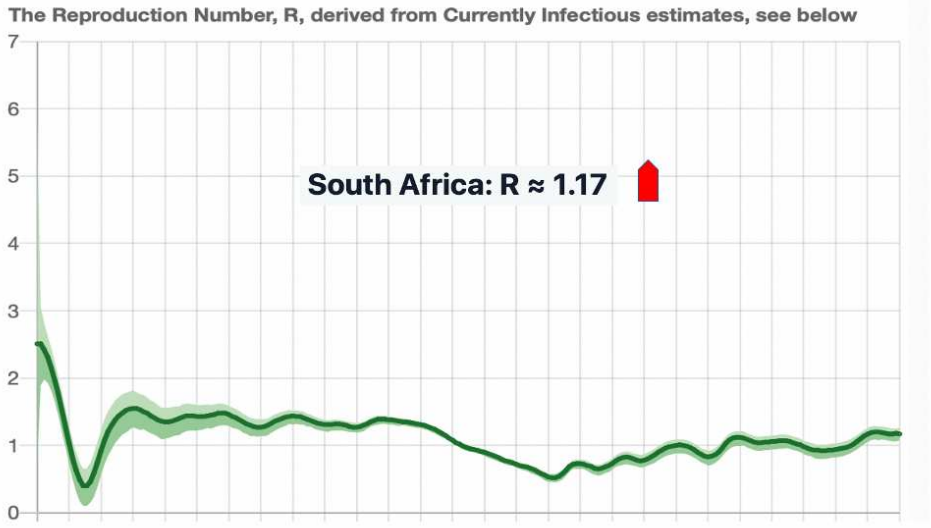


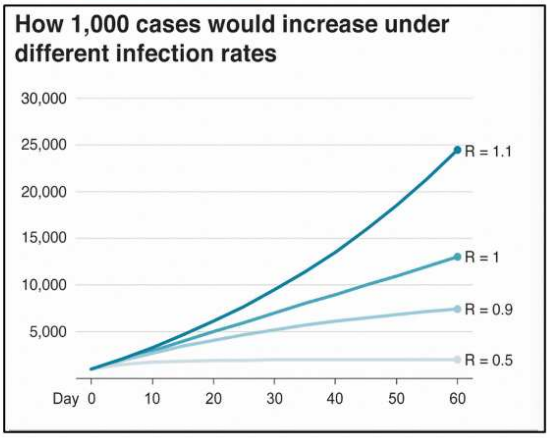
Data as at: As indicated per graph *Unless otherwise indicated*

hdg 17 November 2020

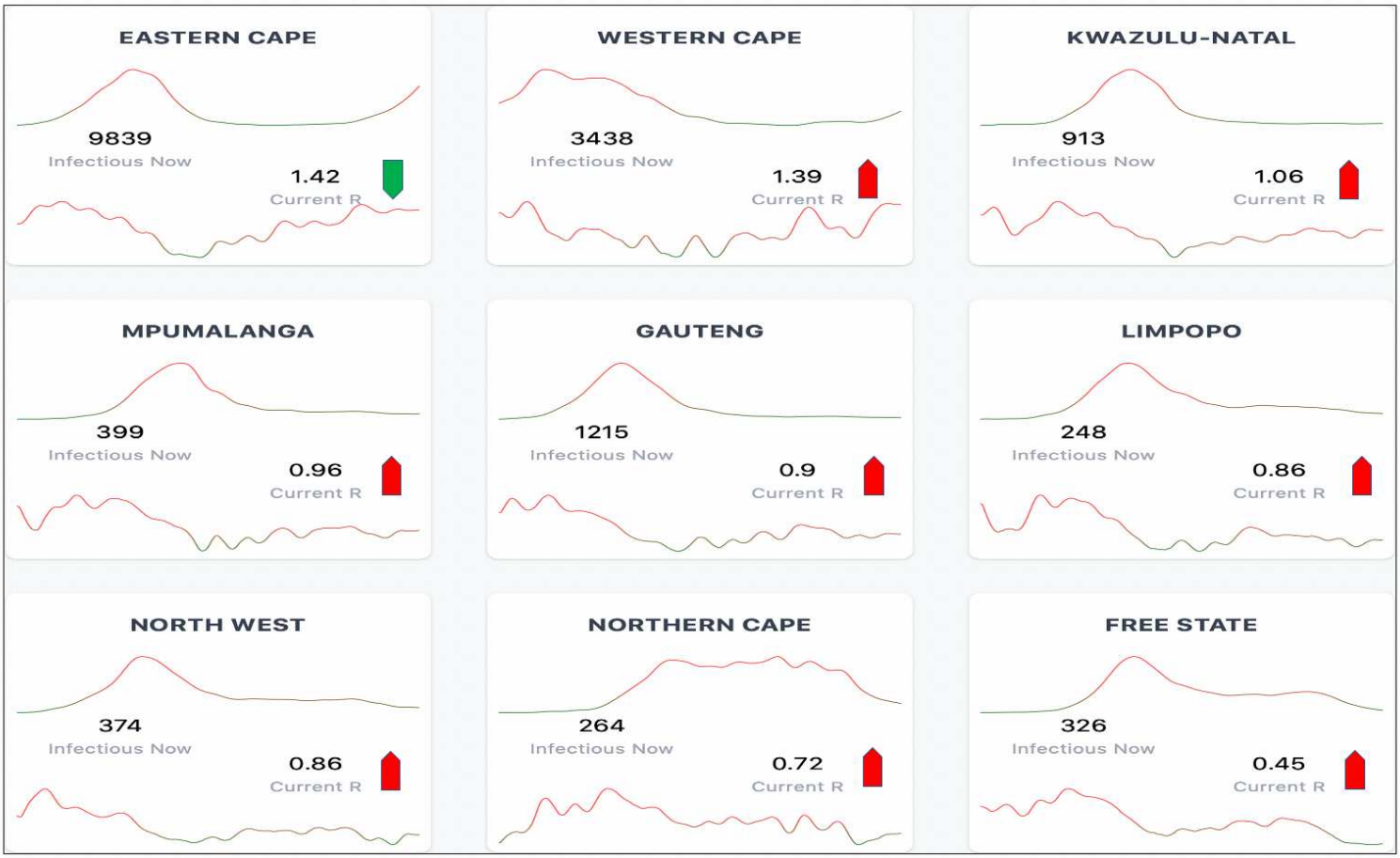
Covid REPRODUCTIVE NUMBER (Rt) in RSA & Provinces

Data as at: 17 November 2020

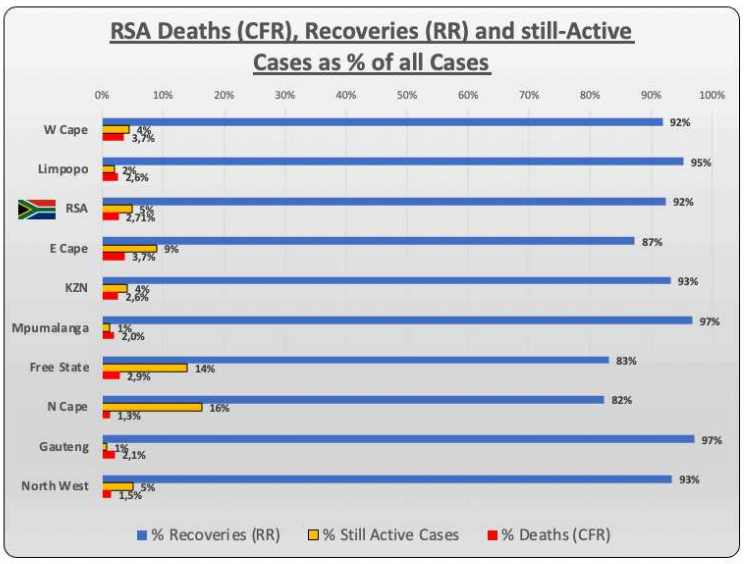


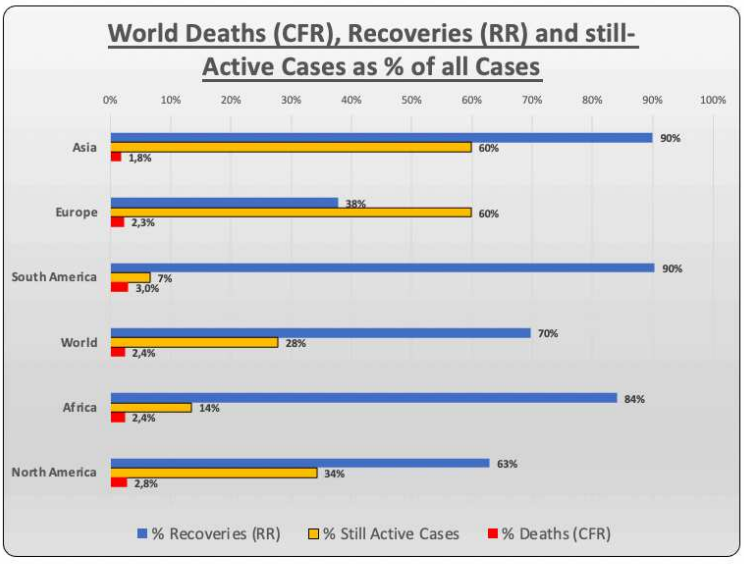


Movement from previous day



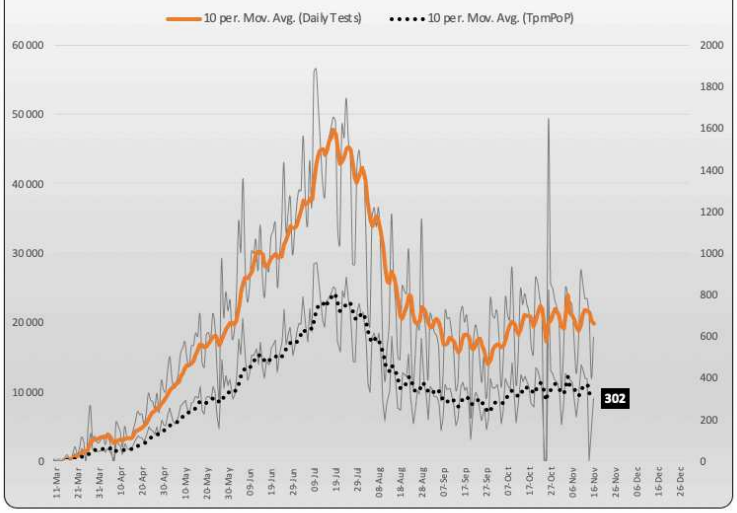
Rt graphs from: Covid https://reproduction.live/world/ZA



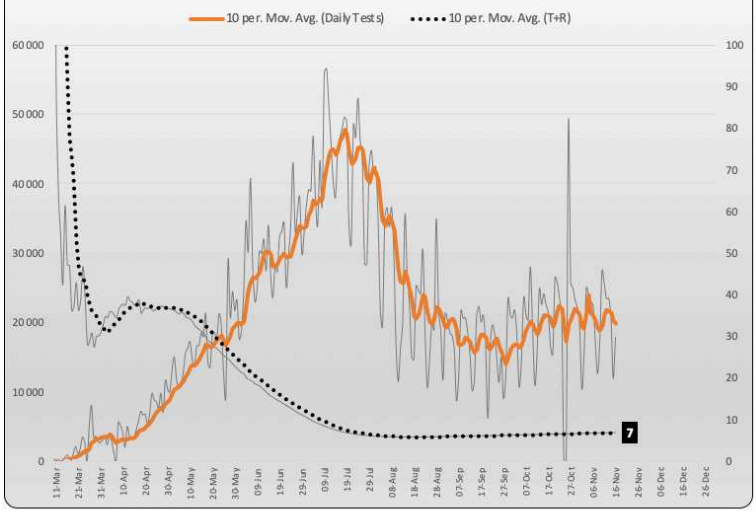


RSA Key Ratios & Comparators

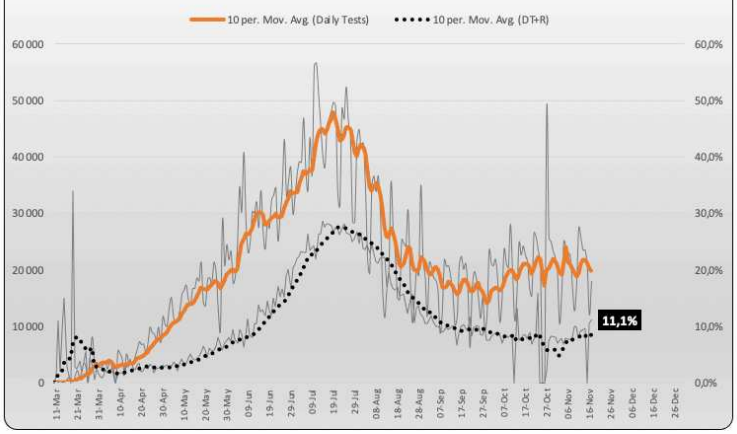
RSA: Daily Tests conducted per million PoP



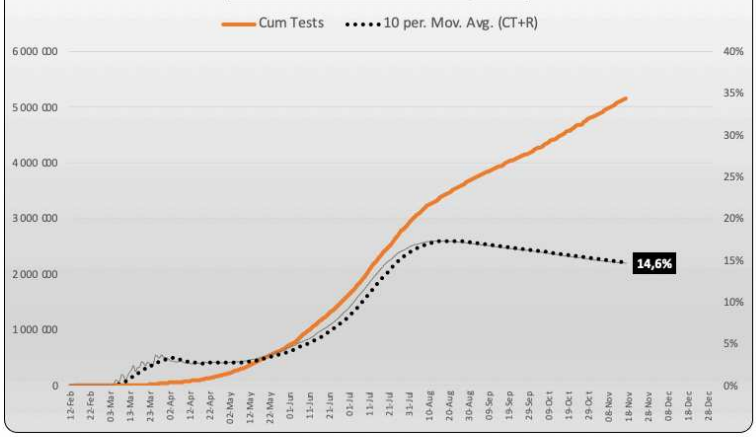
RSA: Daily Tests per +Case



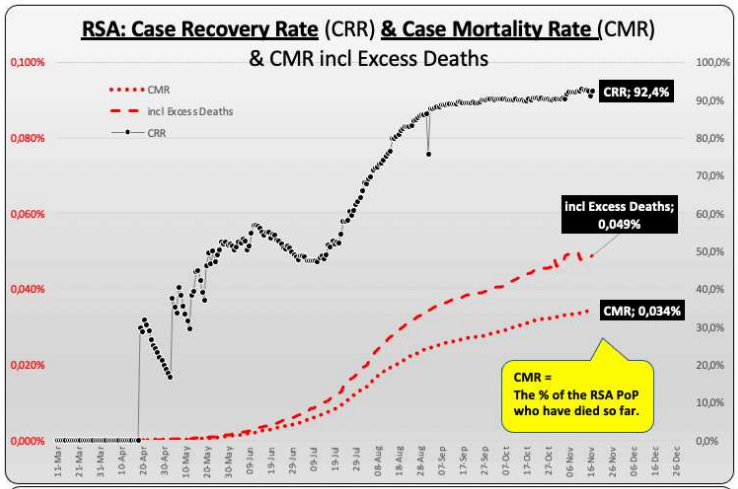
RSA: Daily Tests Positivity %



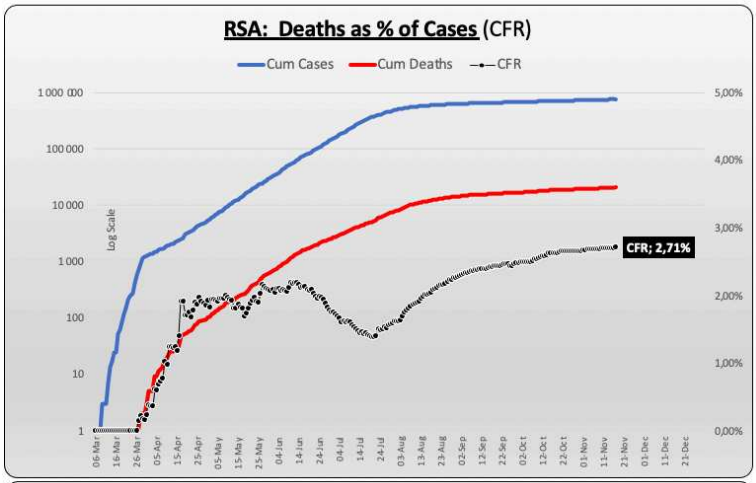
RSA: Cum Tests Positivity Rate



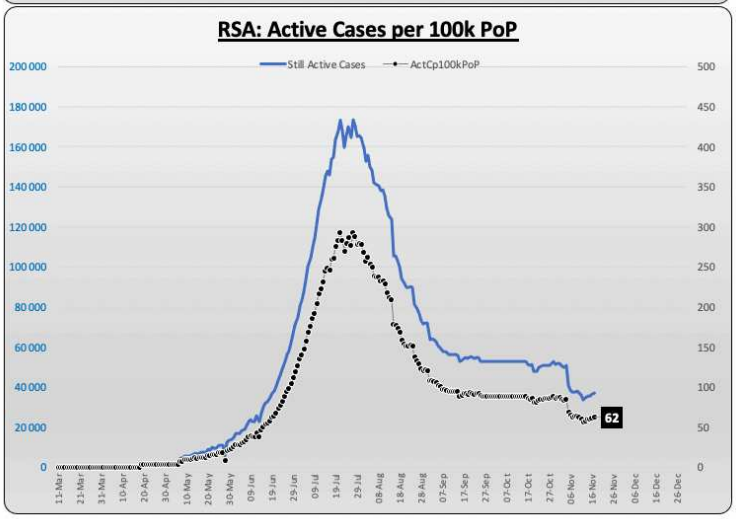
RSA: Case Recovery Rate (CRR) & Case Mortality Rate (CMR) & CMR incl Excess Deaths



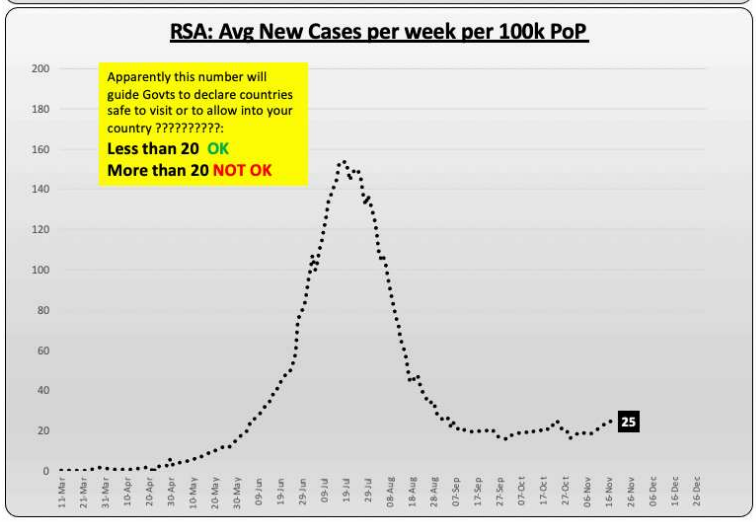
RSA: Deaths as % of Cases (CFR)



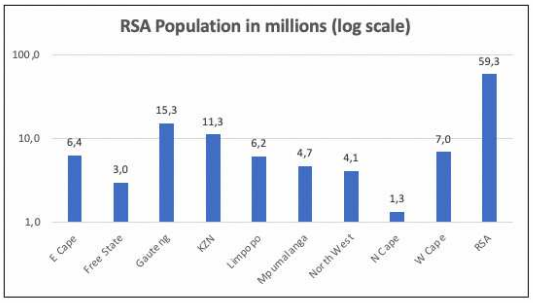
RSA: Active Cases per 100k PoP

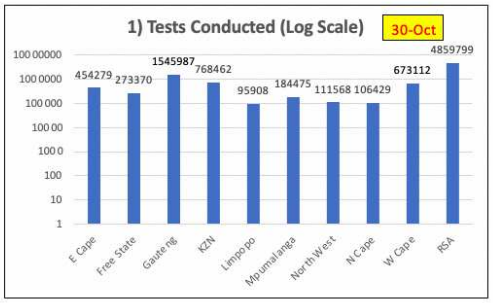


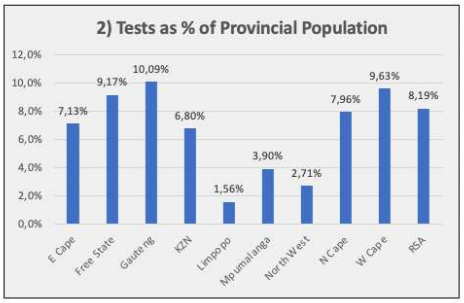
RSA: Avg New Cases per week per 100k PoP

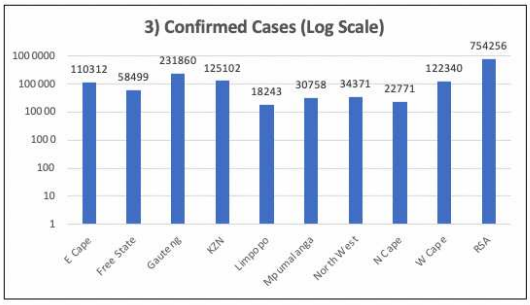


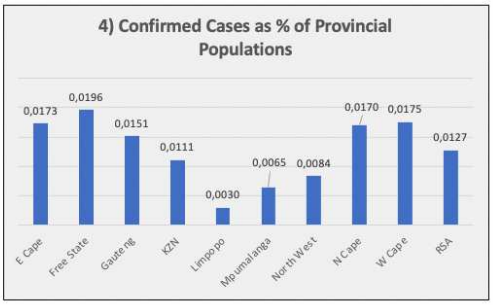
RSA Covid Stats: National & Provincial Analysis

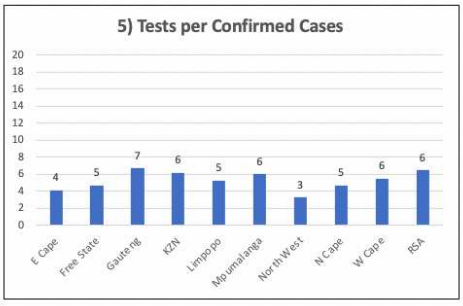


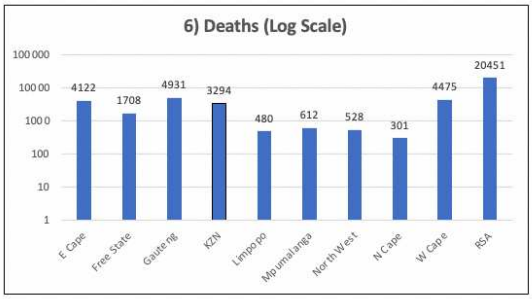


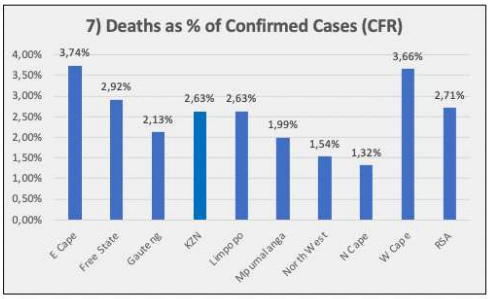


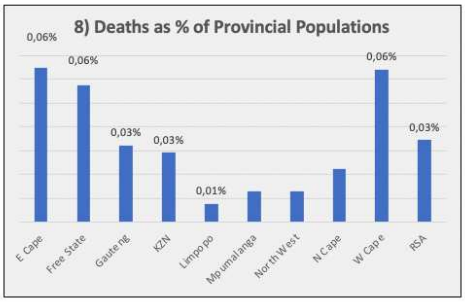


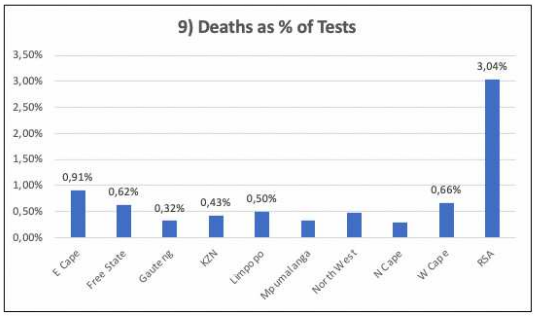


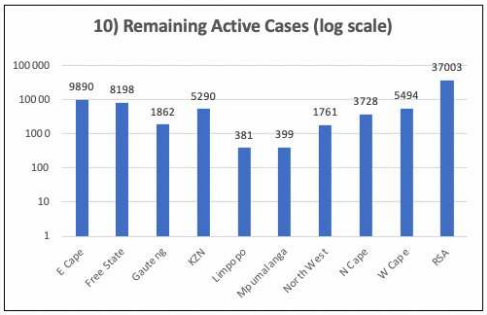


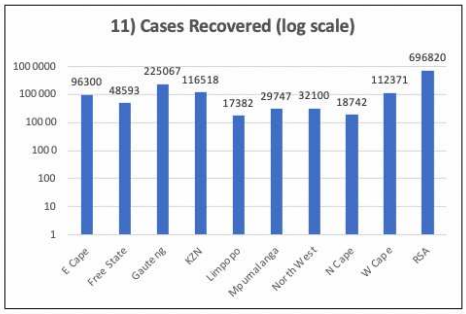


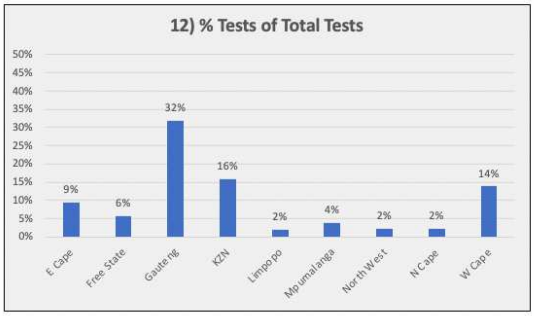


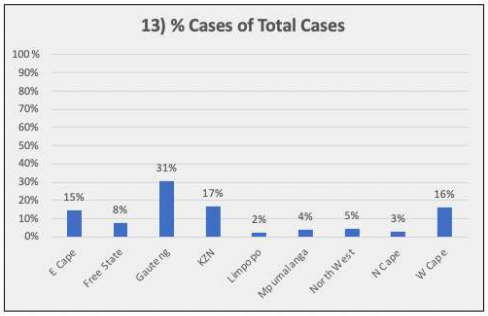


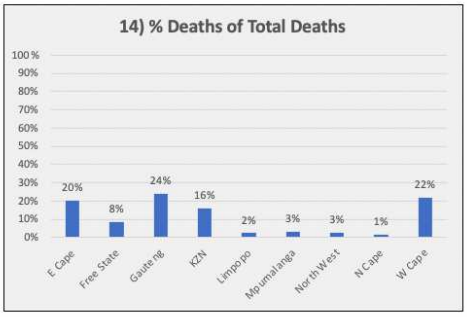


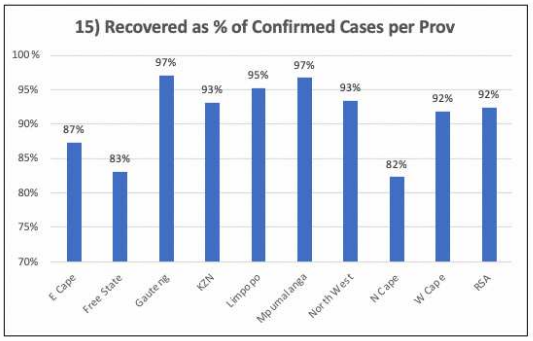








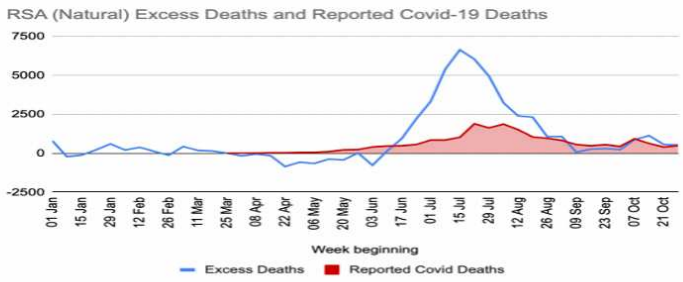




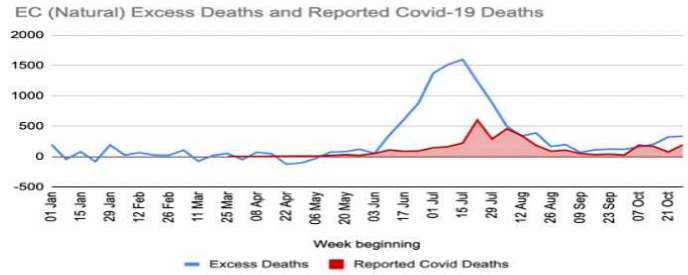
Data as at: 17 November 2020 *Unless otherwise indicated*

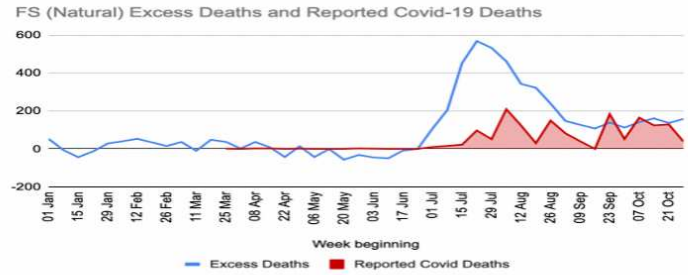
hdg 17 November 2020

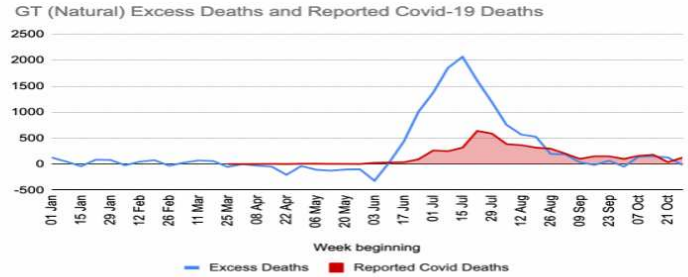
RSA Excess Deaths as per SA Medical Research Council

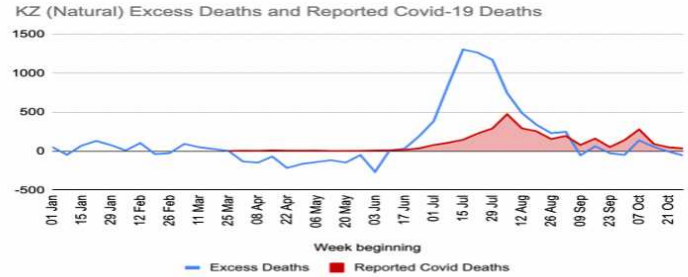


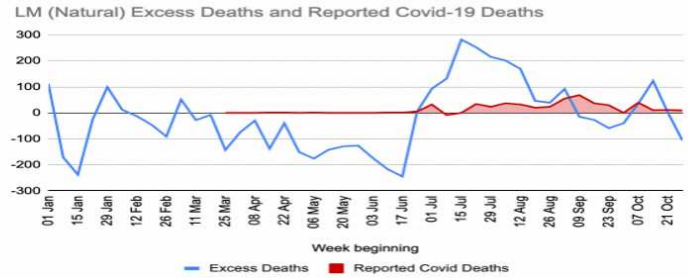
Provinces

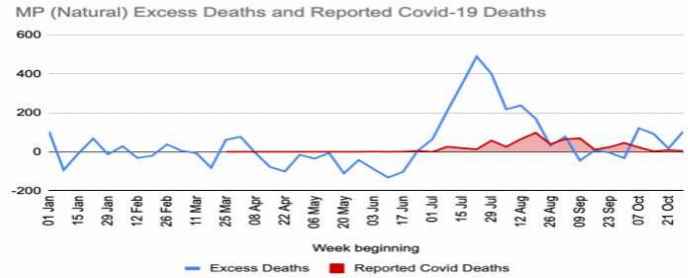


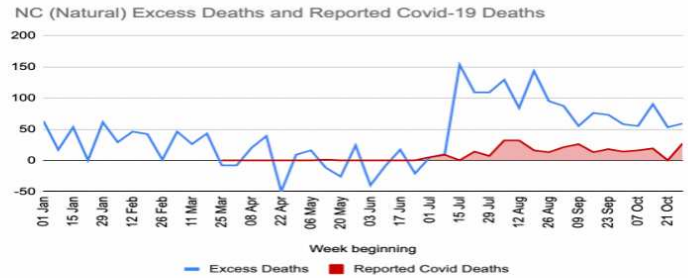


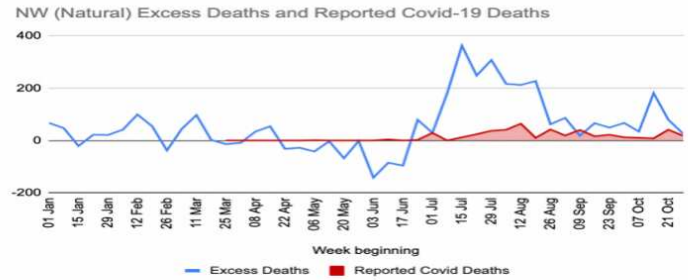


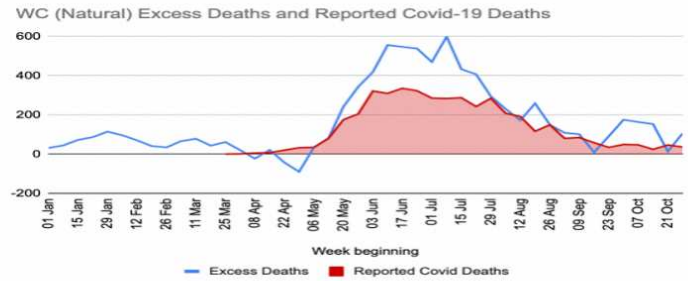










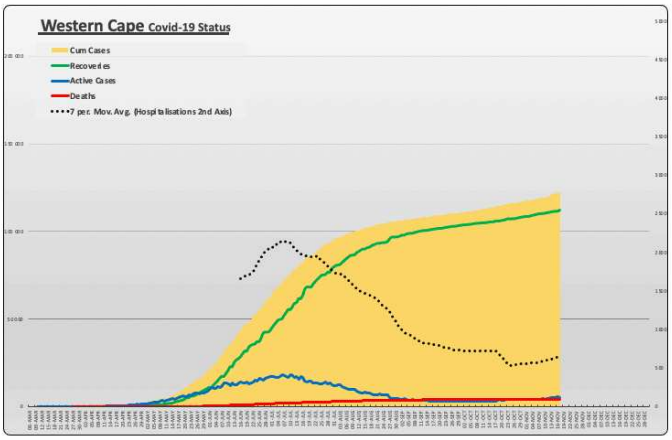


Data as at: **28 October 2020**

hdg *17 November 2020*

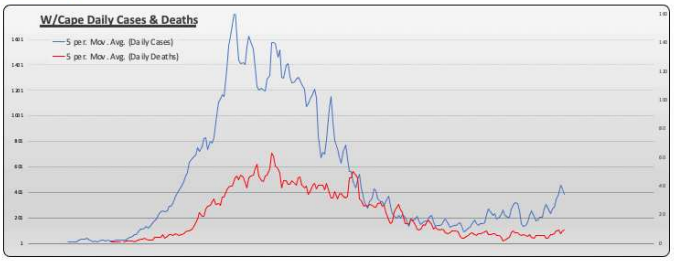
RSA Major Provinces Covid-19 Status (four bigger provinces on the same linear scale, RSA on own Linear scale)

Western Cape Covid-19 Status

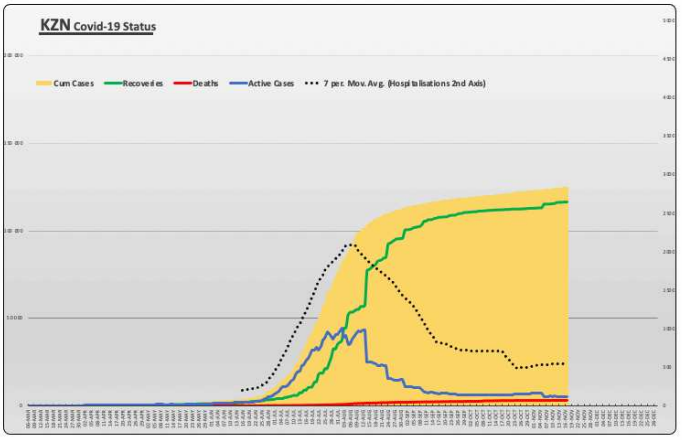


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
WCape PoP:	7,0	673112	Test%: 9,6%	+Case %: 18,2%	Activ/C %: 4,5%	Recov %: 91,9%	Deaths: 640,2	CFR: 3,66%

W/Cape Daily Cases & Deaths

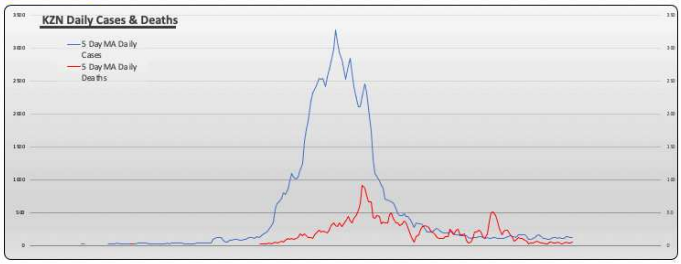


KZN Covid-19 Status

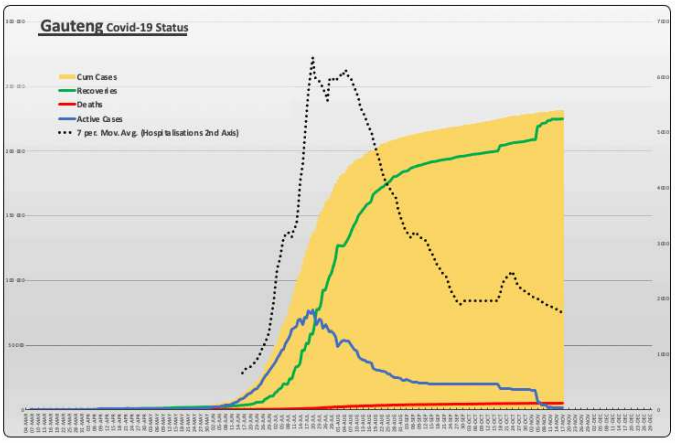


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	5160877	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
KZN PoP:	11,3	768462	Test%: 6,8%	+Case %: 16,3%	Activ/C %: 4,2%	Recov %: 93,1%	Deaths: 291,3	CFR: 2,63%

KZN Daily Cases & Deaths

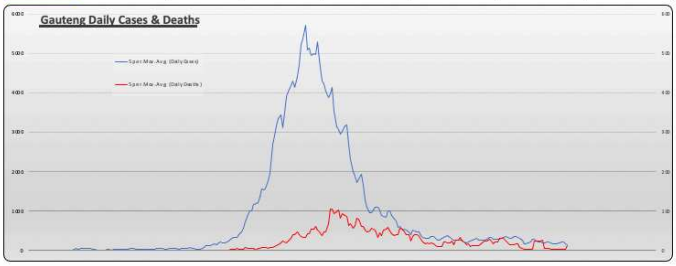


Gauteng Covid-19 Status

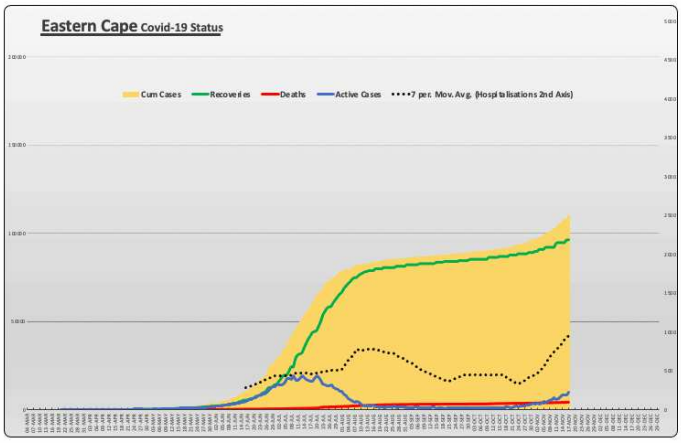


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
Gauteng PoP:	15,3	######	Test%: 10,1%	+Case %: 15,0%	Activ/C %: 0,8%	Recov %: 97,1%	Deaths: 322,0	CFR: 2,13%

Gauteng Daily Cases & Deaths

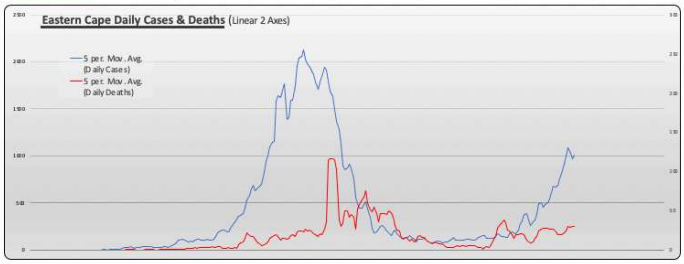


Eastern Cape Covid-19 Status

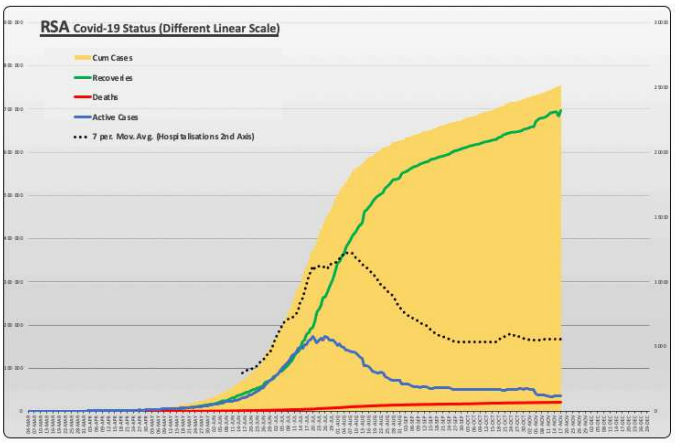


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	5160877	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
ECape PoP:	6,4	454279	Test%: 7,1%	+Case %: 24,3%	Activ/C %: 9,0%	Recov %: 87,3%	Deaths: 646,8	CFR: 3,74%

Eastern Cape Daily Cases & Deaths (Linear 2 Axes)

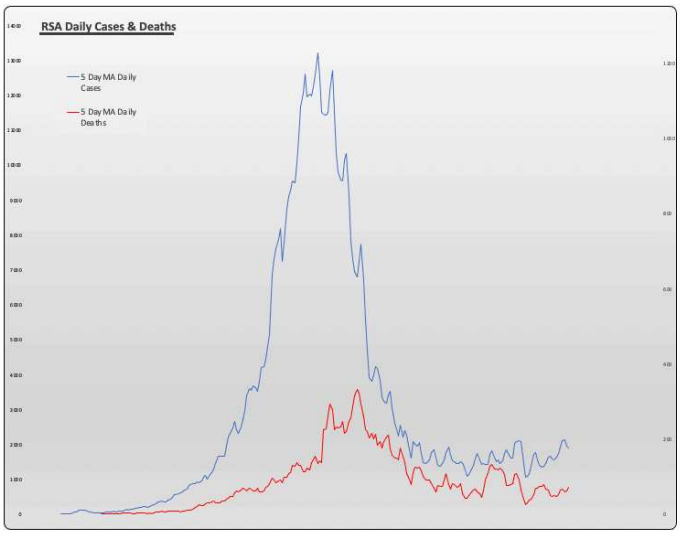


RSA Covid-19 Status (Different Linear Scale)



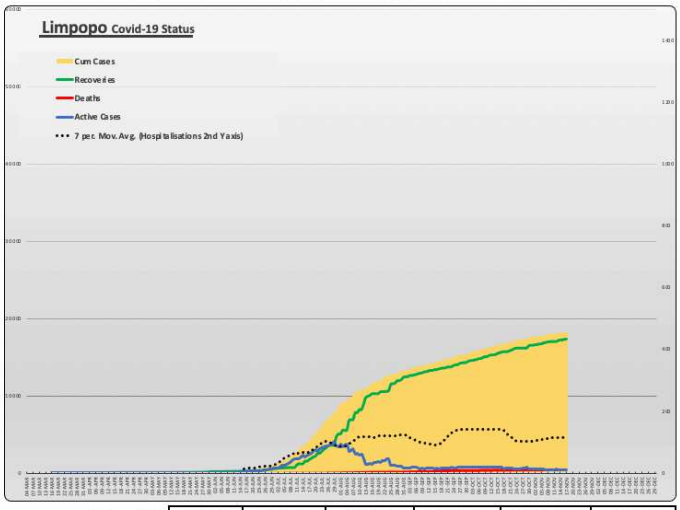
	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%

RSA Daily Cases & Deaths



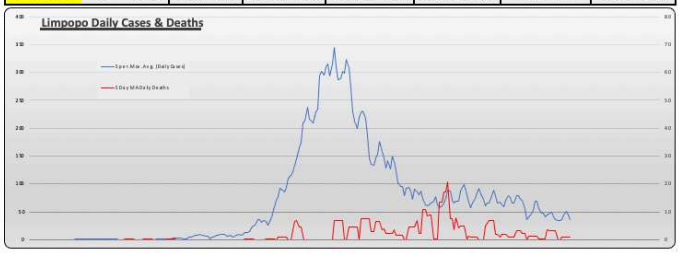
RSA Smaller Provinces Covid-19 Status (same linear scales)

Limpopo Covid-19 Status

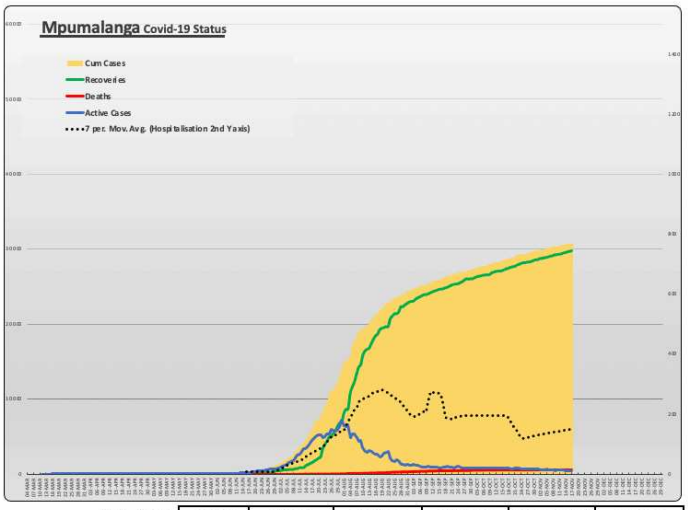


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	CFR: 344,82	Death %: 2,71%
Limpopo PoP:	6,2	95908	Test%: 1,9%	+Case %: 19,0%	Activ/C %: 2,1%	Recov %: 95,3%	CFR: 77,8	Death %: 2,6%

Limpopo Daily Cases & Deaths

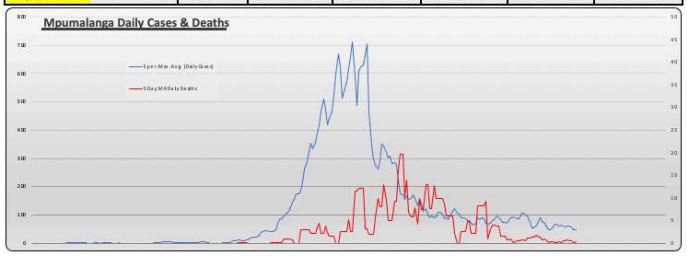


Mpumalanga Covid-19 Status

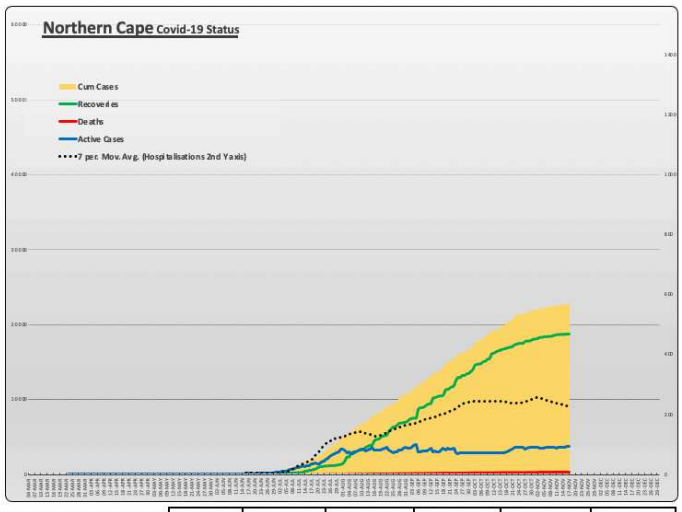


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	5160877	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
Mpuma PoP:	4,7	184475	Test%: 3,9%	+Case %: 16,7%	Activ/C %: 1,3%	Recov %: 96,7%	Deaths: 129,4	CFR: 2,0%

Mpumalanga Daily Cases & Deaths

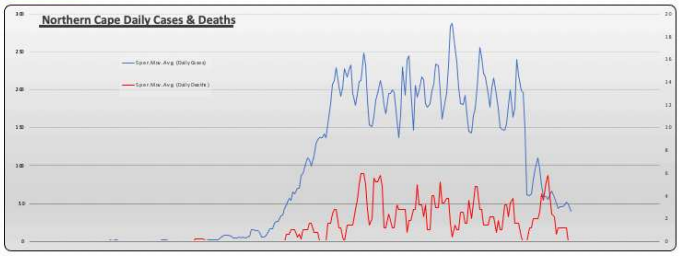


Northern Cape Covid-19 Status

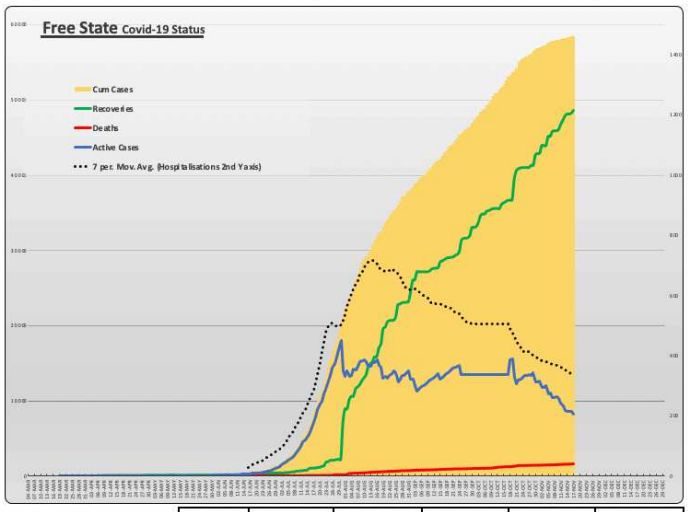


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
N Cape PoP:	1,3	106429	Test%: 8,0%	+Case %: 21,4%	Activ/C %: 16,4%	Recov %: 82,3%	Deaths: 225,3	CFR: 1,3%

Northern Cape Daily Cases & Deaths

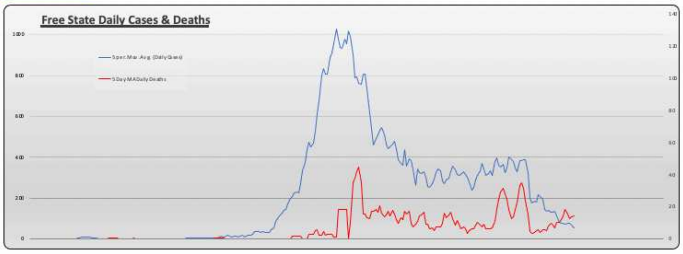


Free State Covid-19 Status

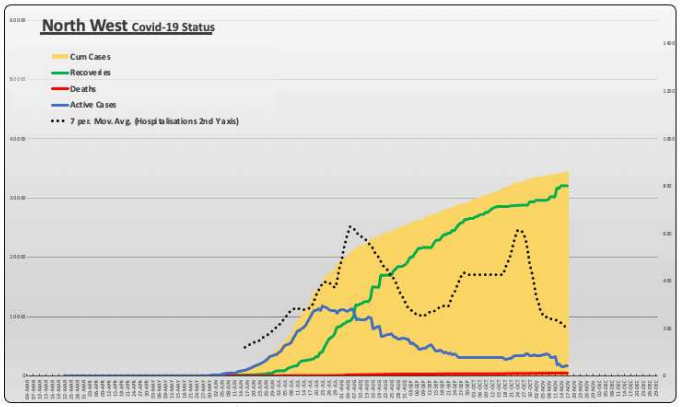


	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	5160877	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,82	CFR: 2,71%
Free State PoP:	3,0	273370	Test%: 9,2%	+Case %: 21,4%	Activ/C %: 14,0%	Recov %: 83,1%	Deaths: 573,0	CFR: 2,9%

Free State Daily Cases & Deaths

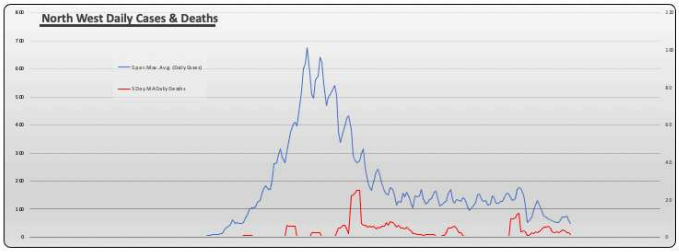


North West Covid-19 Status



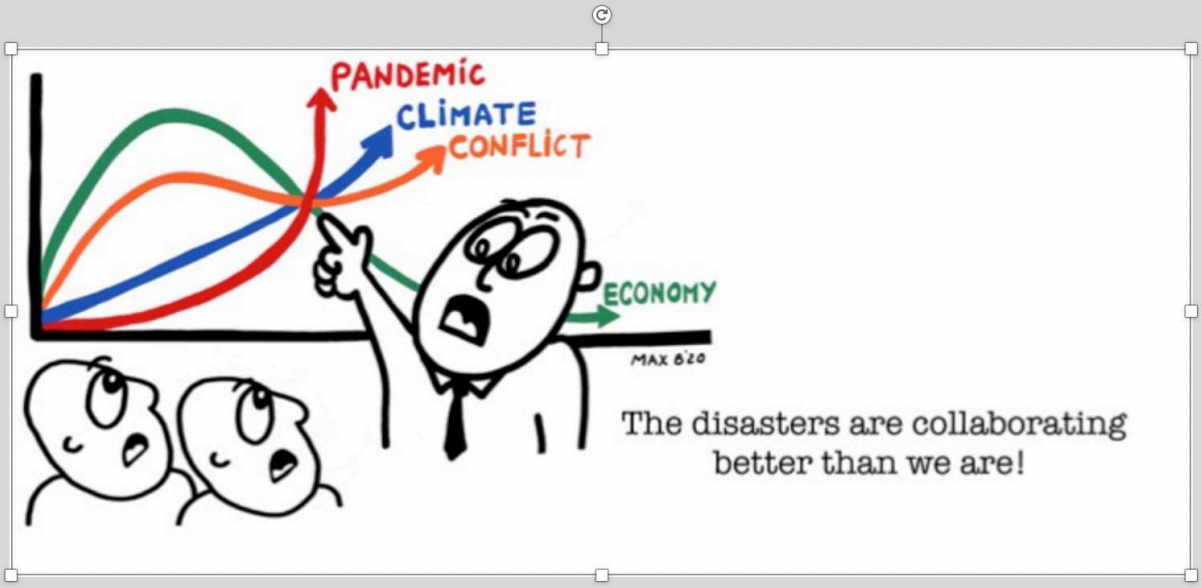
	Mill	#Tests	of PoP	of Tests	of +Cases	of +Cases	per Mill of PoP	of +Cases
RSA PoP:	59,3	######	Test%: 8,7%	+Case %: 14,6%	Activ/C %: 4,9%	Recov %: 92,4%	Deaths: 344,8	CFR: 2,71%
N West PoP:	4,1	111568	Test%: 2,7%	+Case %: 30,8%	Activ/C %: 5,1%	Recov %: 93,4%	Deaths: 128,4	CFR: 1,5%

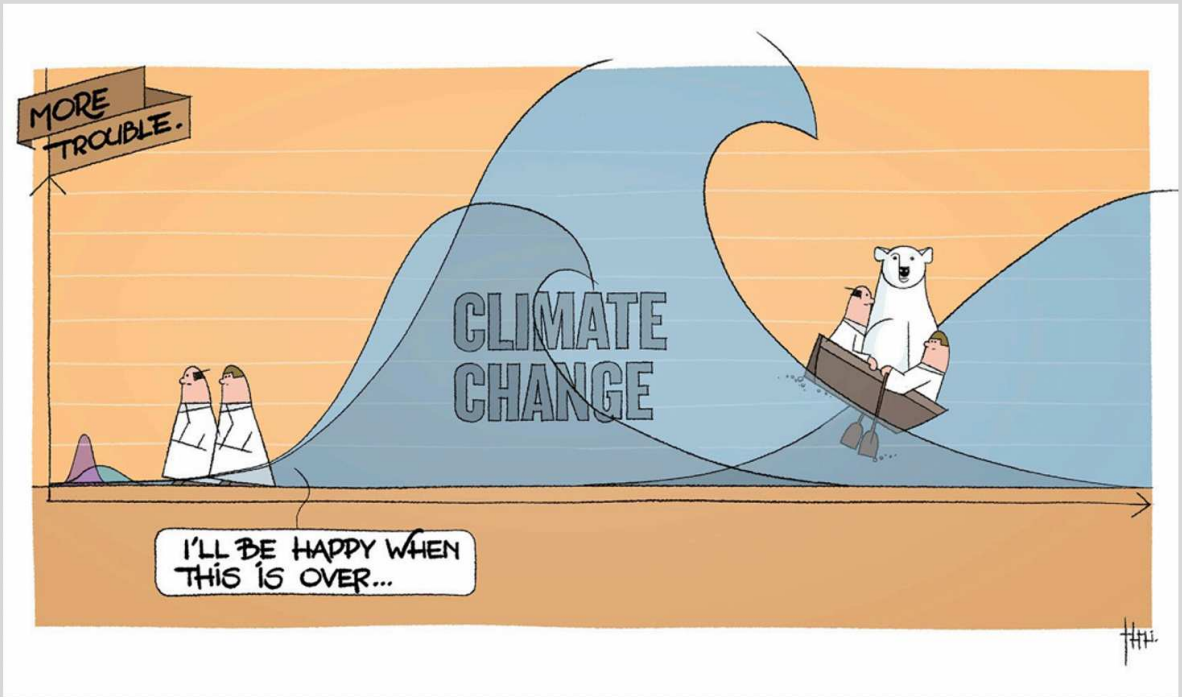
North West Daily Cases & Deaths



Data as at: 17 November 2020 *Unless otherwise indicated*

hdg 17 November 2020


PANDEMIC
CLIMATE
CONFLICT
ECONOMY
MAX 820
The disasters are collaborating
better than we are!


MORE TROUBLE.
CLIMATE CHANGE
I'LL BE HAPPY WHEN THIS IS OVER...