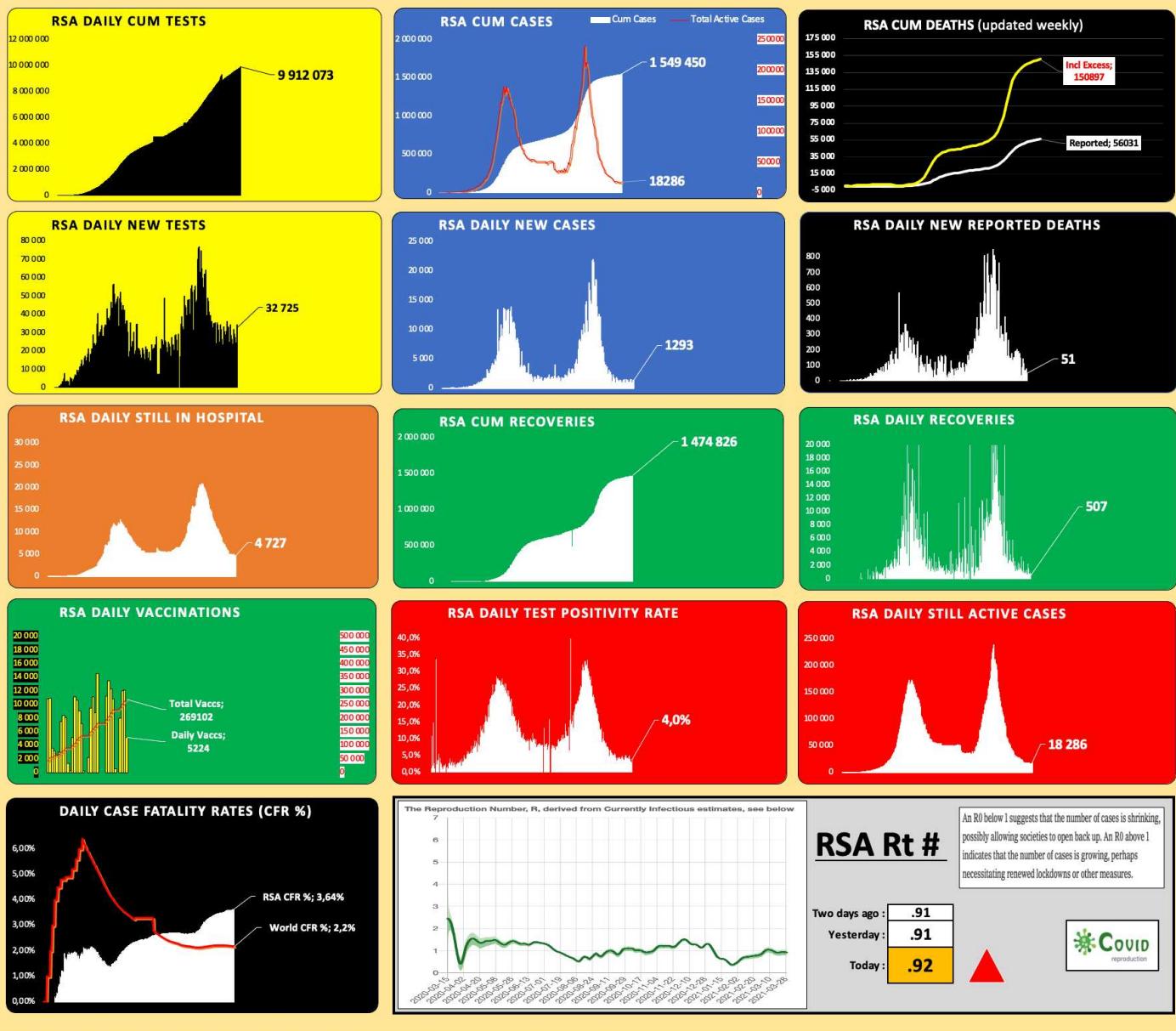


# HarryG COVID-19 Dashboard

Page 1

Cum +Cases		Daily Cases		RSA COVID-19 DASHBOARD		Daily Still in Hospitals	% of Reported Cum Cases who Died (CFR)		Vaccinations:		
1 549 450		1 293	▼	01 April 2021		4727	3,64% ▶		Total	Yesterday	Avg
Still Active +Cases	Cum Cases p mill PoP	Cum Deaths p mill PoP							269 102	5 224	7 273
18 286 ▲	26 125	950					% of RSA PoP who have died to date: Reported      Incl Excess		% of RSA PoP 2 dose Vaccs & % Vacs + Recovered		0,22% 2,74%
Deaths Avg Age	Deaths Min Age	Deaths Max Age		Cum Deaths	Daily	56 338	51		Cum Tests	Daily Tests	
62,2	0,2	105		Cases	Deaths	CFR	Median Age		9 912 073	32 725	▼
Female : 57,8% 52,1% 3,04% 58,8 1 474 826 95,2% Male : 42,2% 47,9% 3,83%											
28-Mar											



Data as at: 01 April 2021

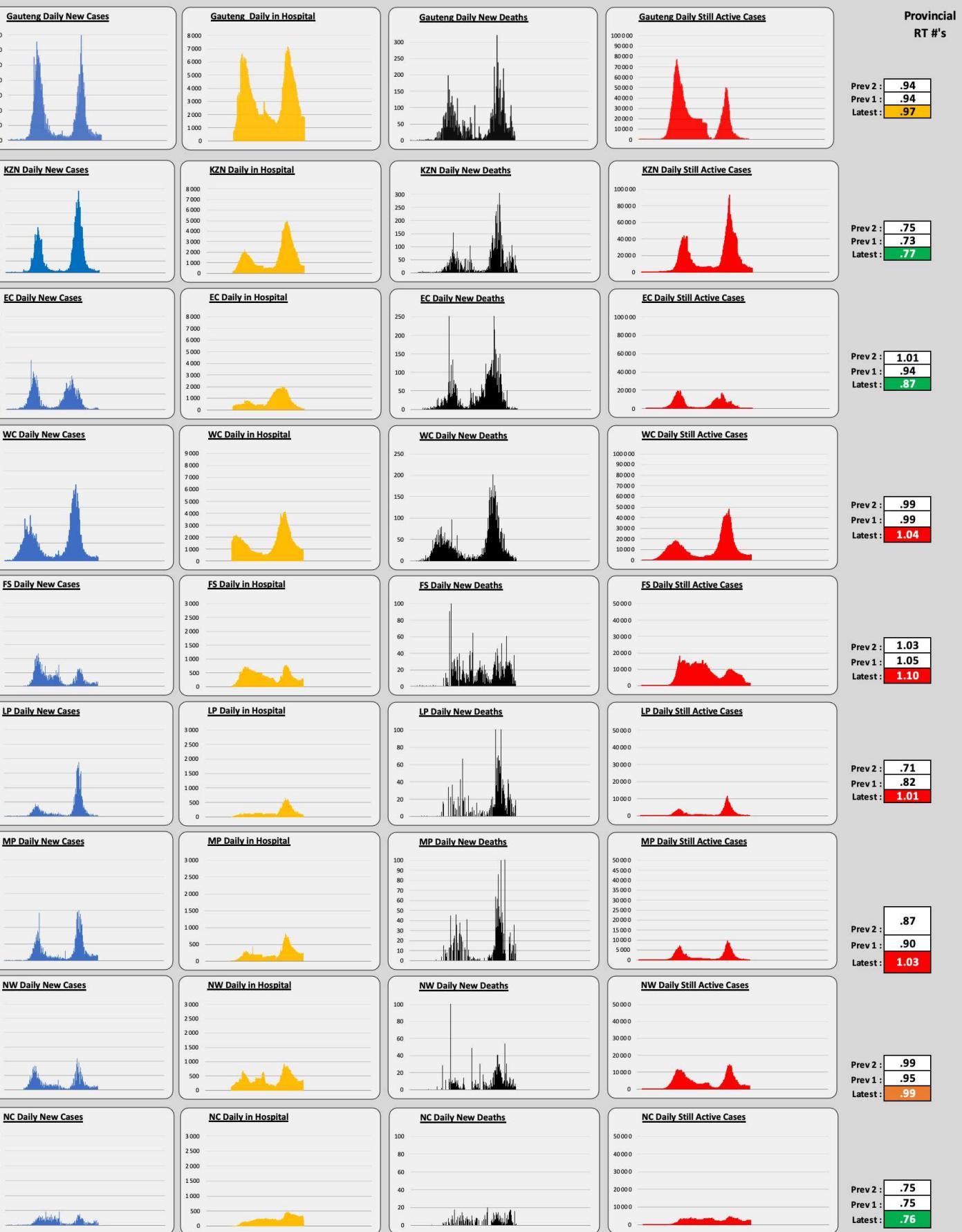
Unless otherwise indicated

hdg

02 April 2021

# RSA Provinces detailed daily Data and Trends Jan 2020 to Dec 2021

Page 1.1



Data as at: 01 April 2021

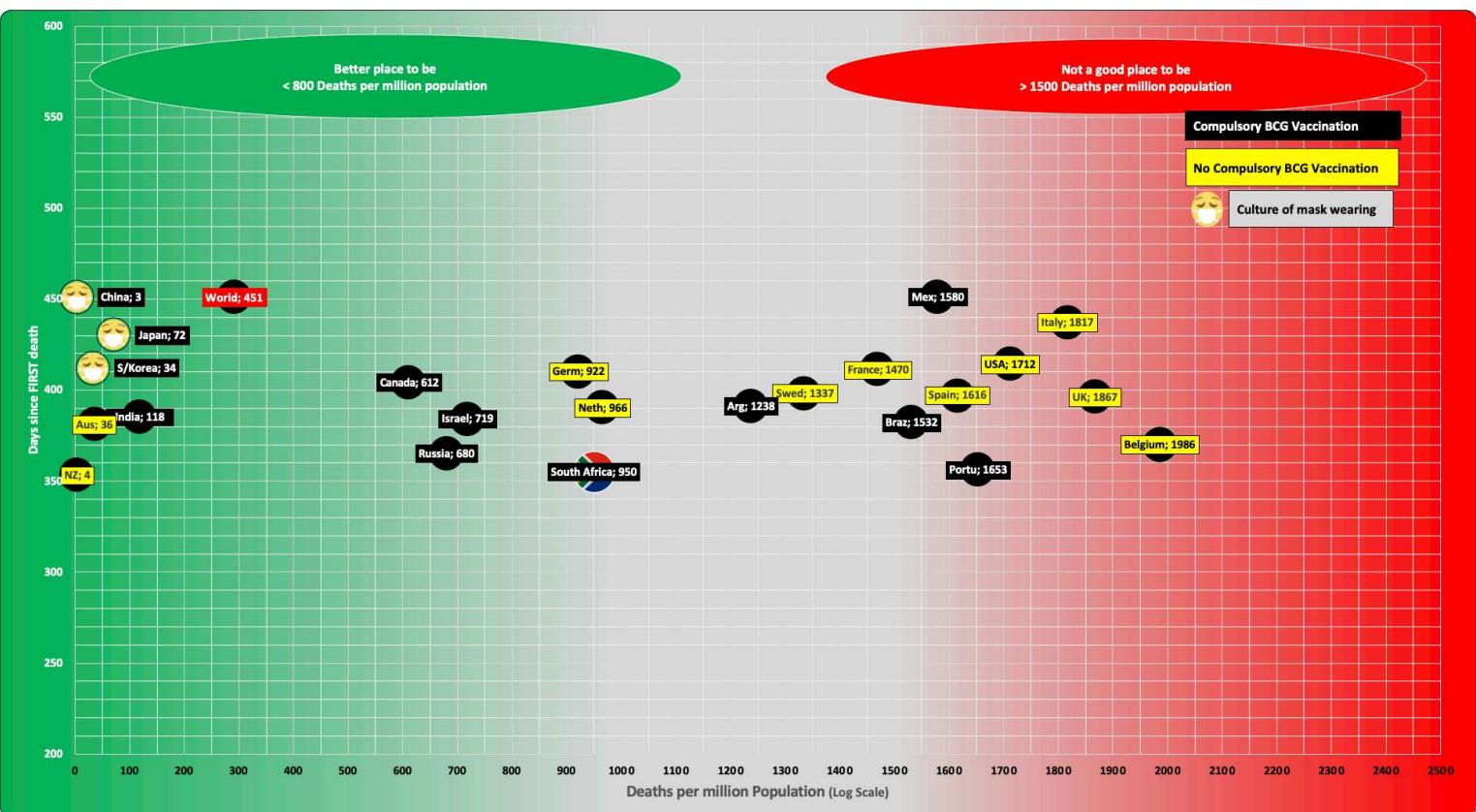
Unless otherwise indicated

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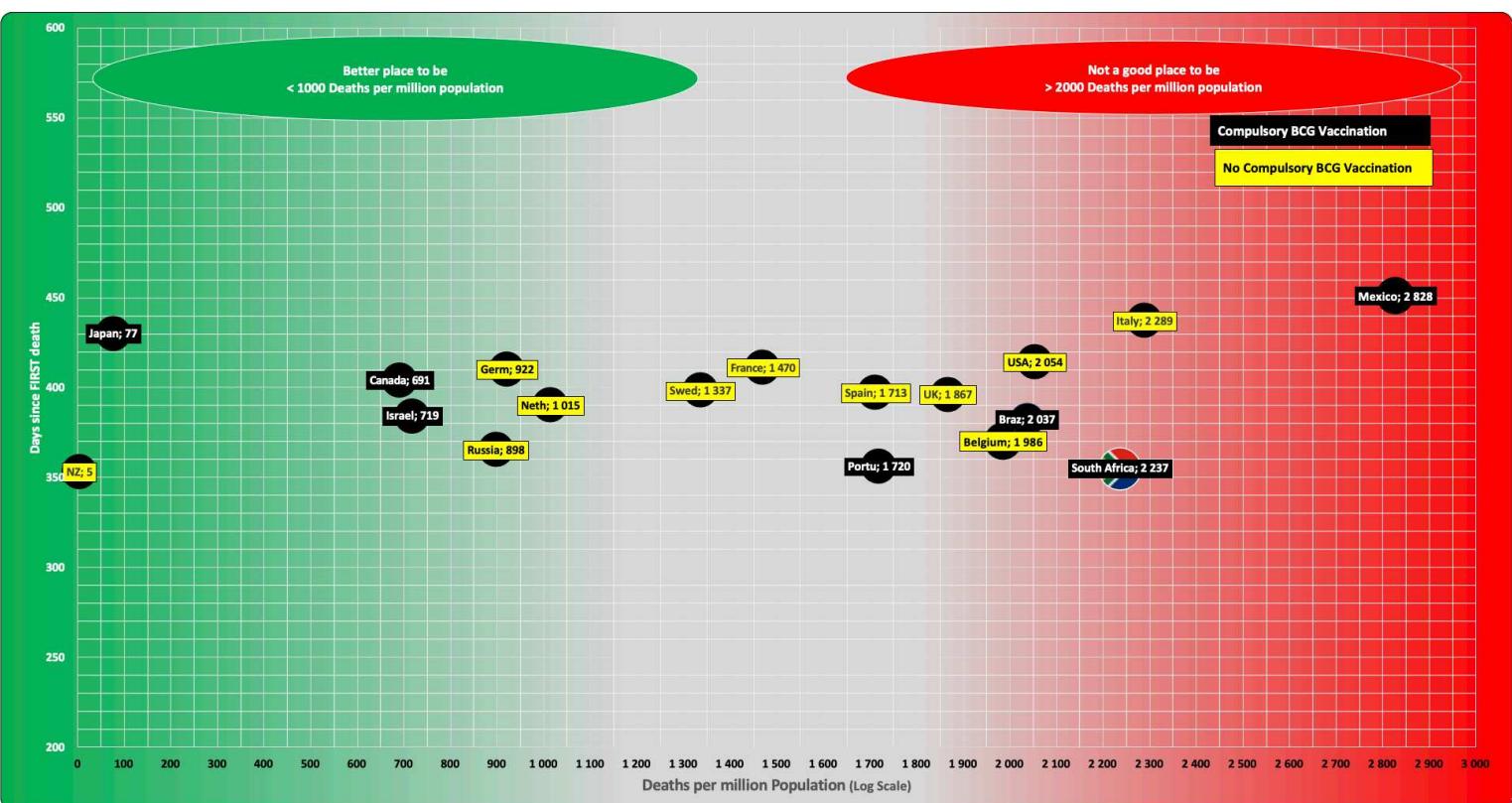
<https://reproduction.live/world/ZA>

## Selected Countries' Reported Deaths per mill PoP

Page 2



## Selected Countries' Deaths incl Excess Deaths per mill PoP (where data available)



## Coronavirus Riskiest Activities

According to 500+ epidemiologists & health professionals

- ➊ risk factors to consider
- ➋ people how many?
- ➌ space how close is the contact?
- ➍ time how long the exposure?
- ➎ location inside or outside?
- ➏ surfaces lots of high touch?
- ➐ area high number of cases?
- ➑ covidicity how likely is compliance?

### LOW RISK

- but not if you can't social distance,
- gas/petrol station
- older kid playdates
- walk in busy downtown
- vacation home with another family
- beach
- grocery shopping
- outdoor dining
- library/museum
- camping
- golf
- friend uses your bathroom
- vacation overnight (if driving)
- see your doctor
- outdoor exercise
- tennis

if both families have been taking care

### MEDIUM RISK

- stay at a hotel
- small backyard barbecue
- small outdoor picnic
- public pool
- use a public restroom
- visit a mall
- get a haircut
- work in a shared office
- young kid playdates
- play ground
- send kids to school, camp, or daycare
- casino
- cinema/movie theatre
- ride the subway/bus
- eat at a restaurant (dine-in)
- bowling
- basketball
- exercise at a gym
- send kids to school, camp, or daycare
- visit an elder in their home
- airplane

limit time in common areas like lobbies

watch for shared condiments

### HIGH RISK

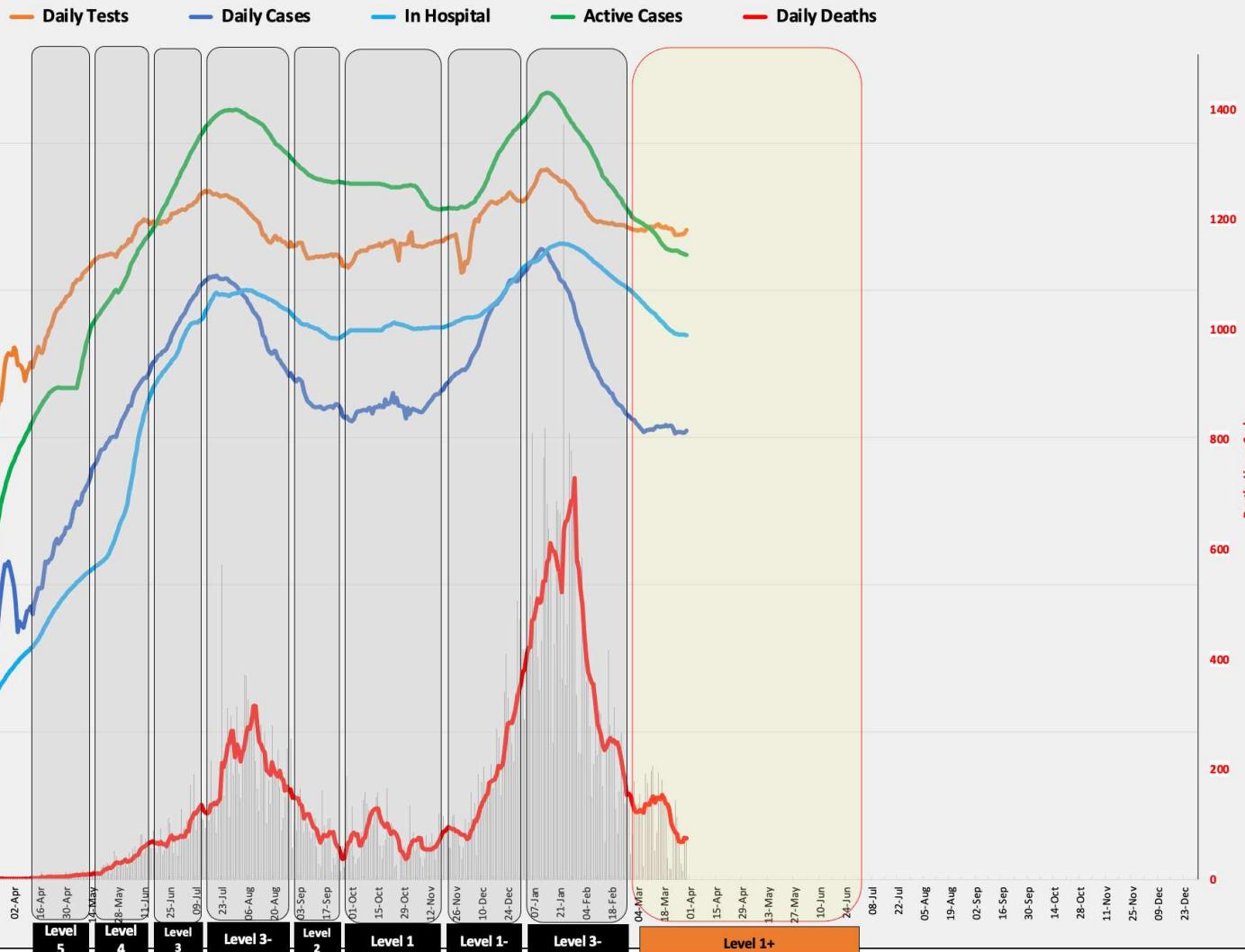
- attend a wedding or funeral
- see a concert or play
- hug or shake hands
- stop routinely wearing a face mask
- go out with someone you don't know well
- amusement park
- buffet
- church
- singing is very high risk: increases airborne viral spread
- indoor bar
- sports stadium
- indoor party
- nightclub

Risk reduced by wearing a mask, social distancing & washing hands

informationisbeautiful

sources: New York Times, Reuters, NPR, SF Gate & others

## RSA Daily Testing v Daily Cases v Daily Deaths 7 Day MA



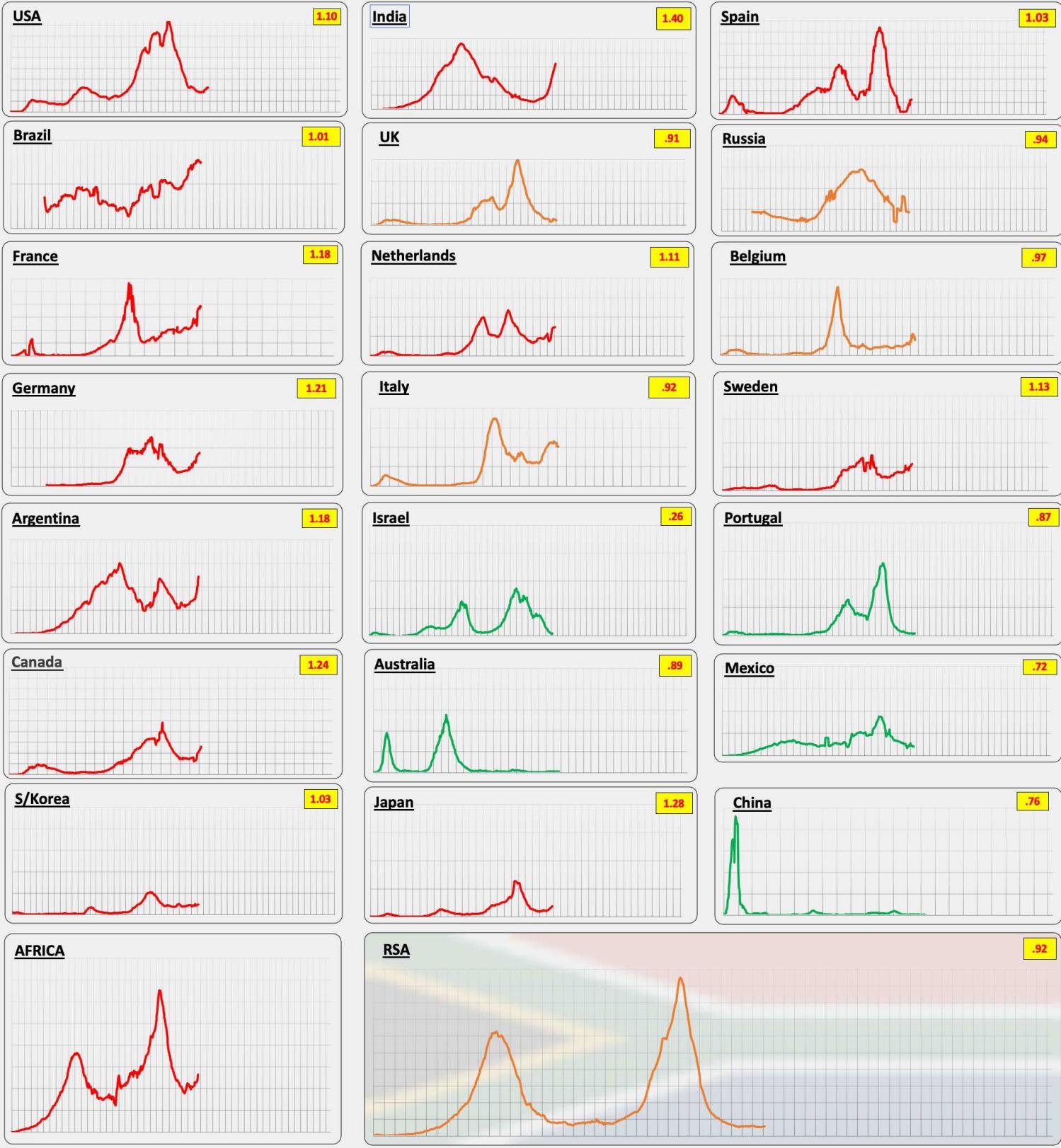
Data as at: 01 April 2021

Unless otherwise indicated

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World Daily Reported New Cases 7 Day MA

7 Day MA Rising with Rt > 1  
 7 Day MA Stable with Rt < 1  
 7 Day MA Declining with Rt < 0.9  
 Latest Rt #'s 



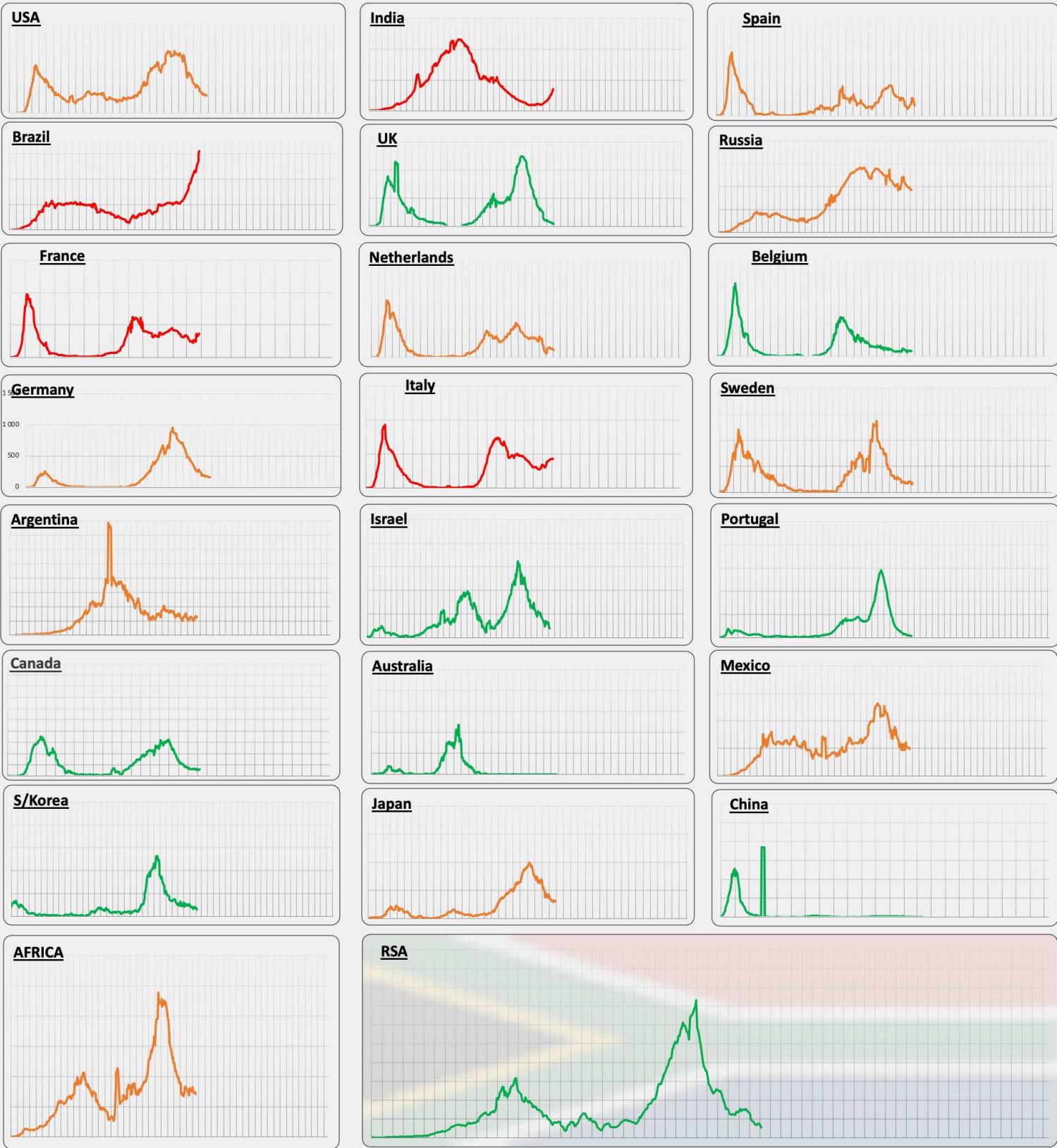
## World Daily Reported Deaths 7 Day MA

**Page 2.3**

7 Day MA Rising

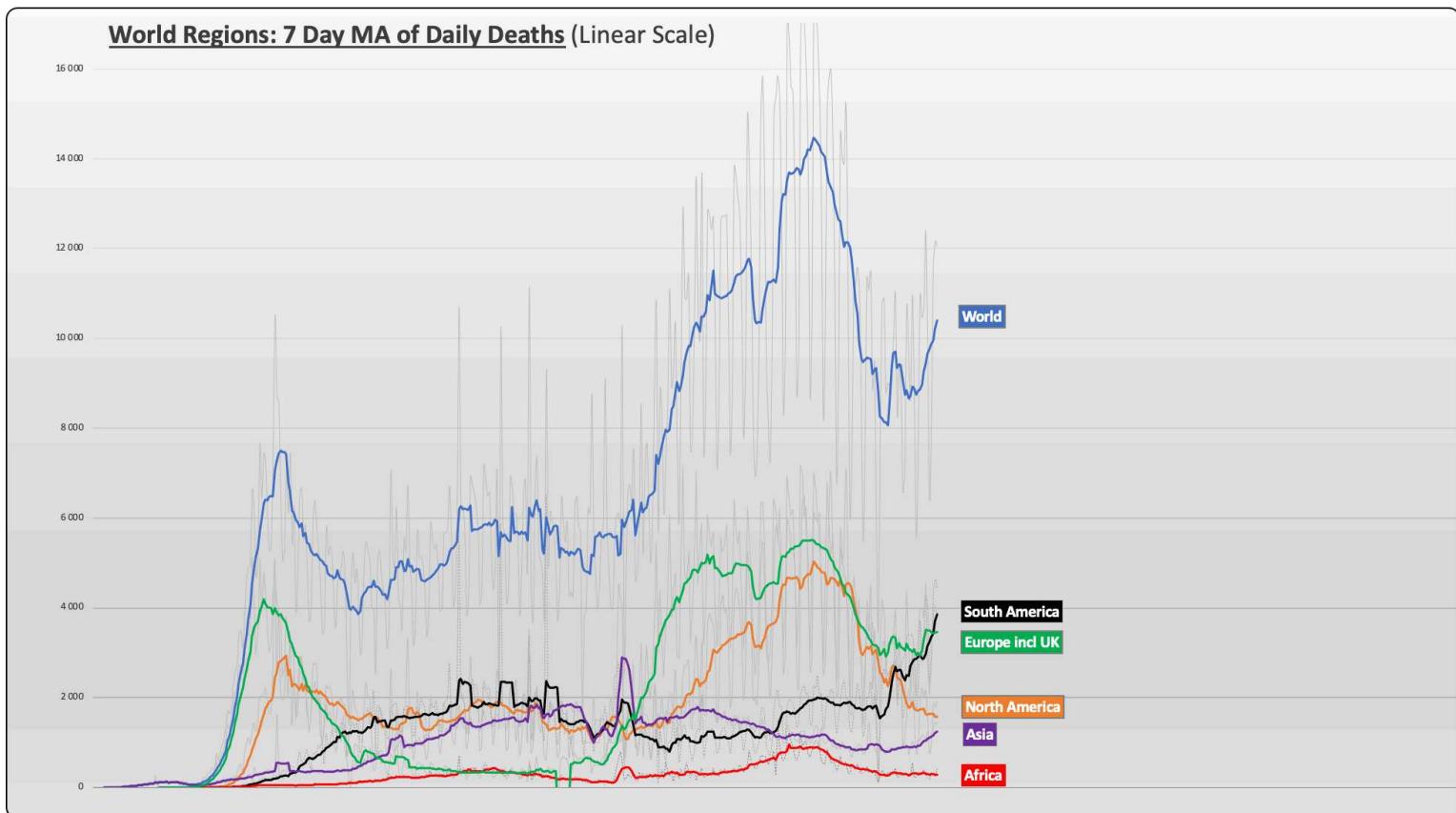
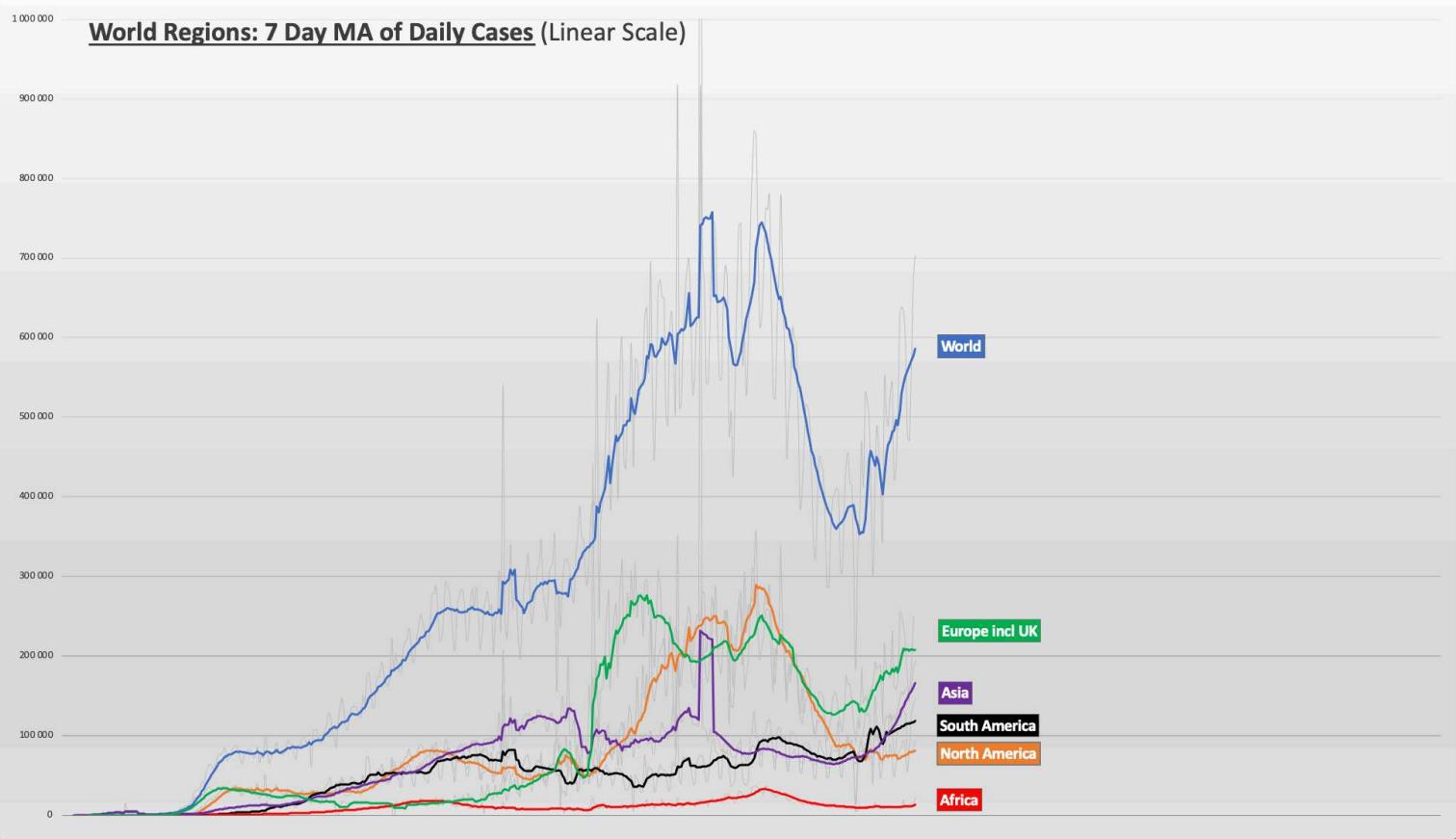
7 Day MA Declining but still high

7 Day MA Low and stable



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

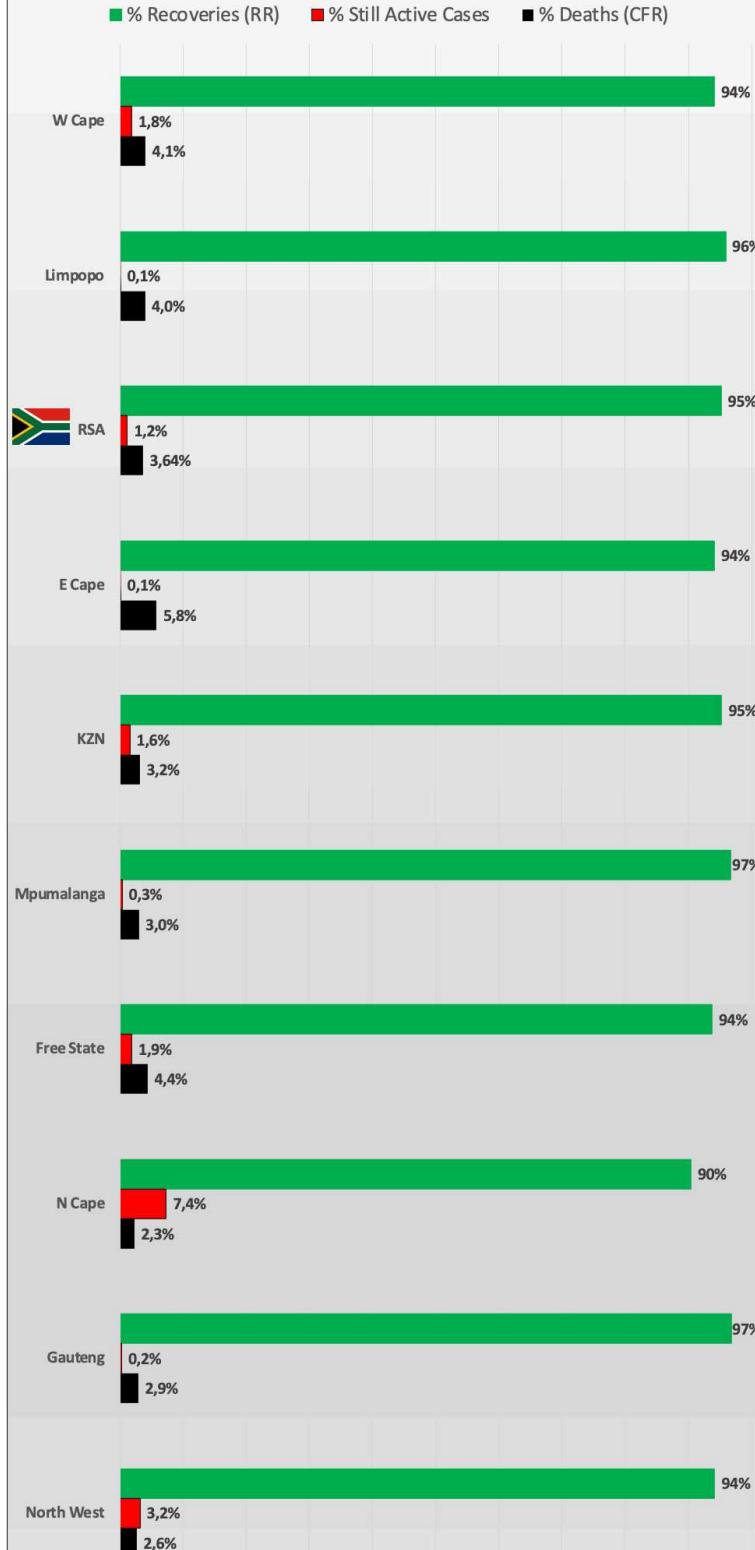
Page 3.0



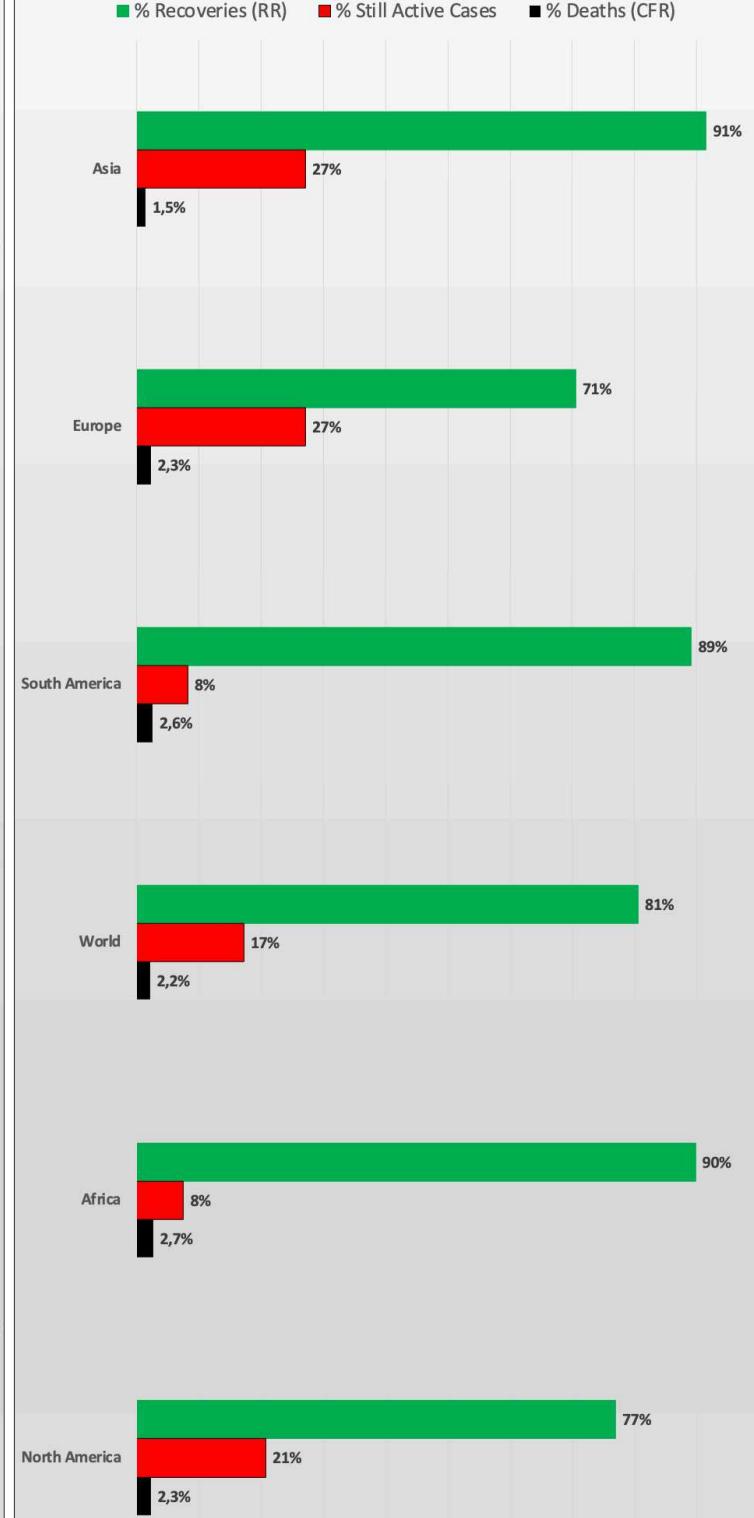
## RSA & Provinces v World Data

Page 3.1

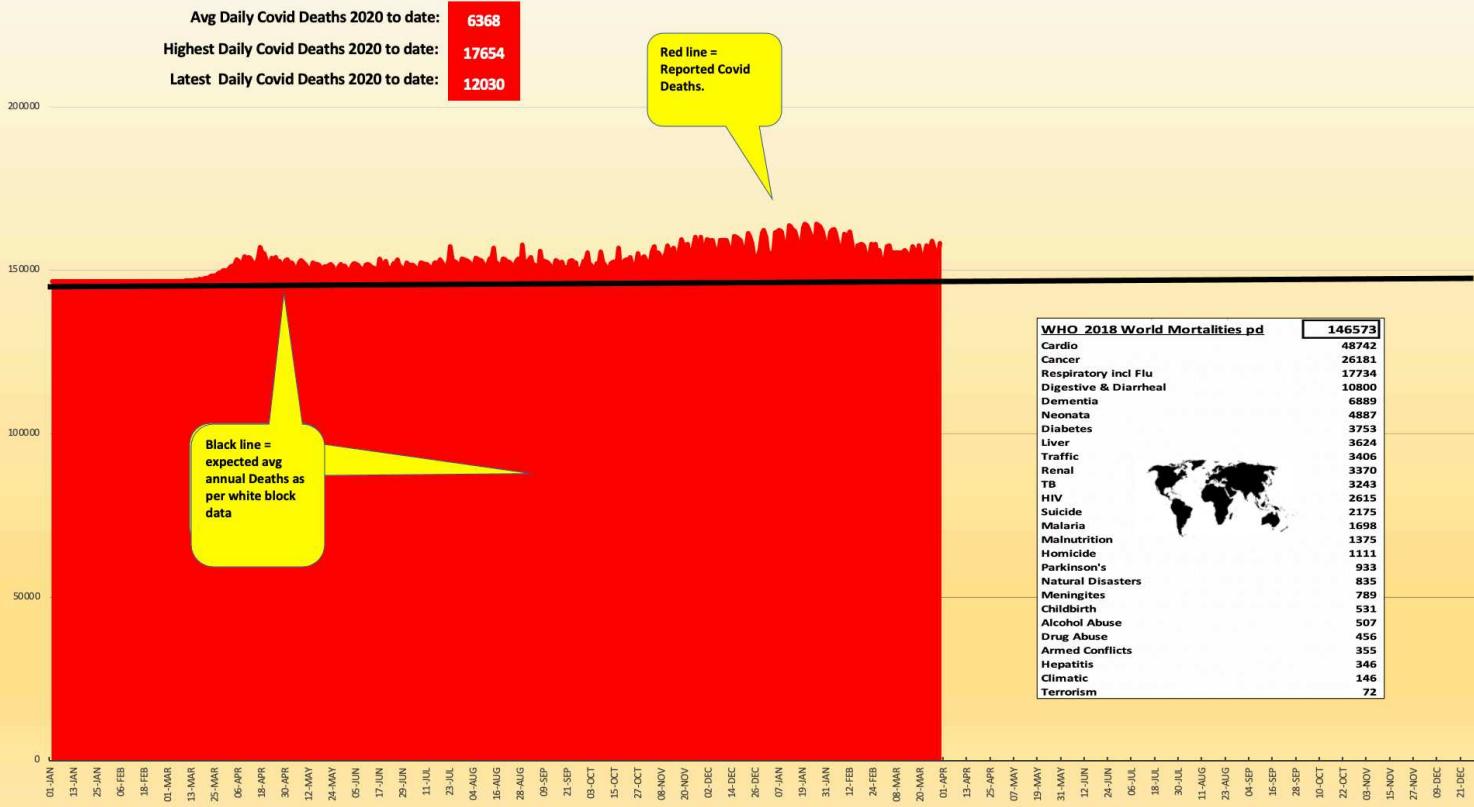
RSA Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases



World Deaths (CFR), Recoveries (RR) and still-Active Cases as % of all Cases



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



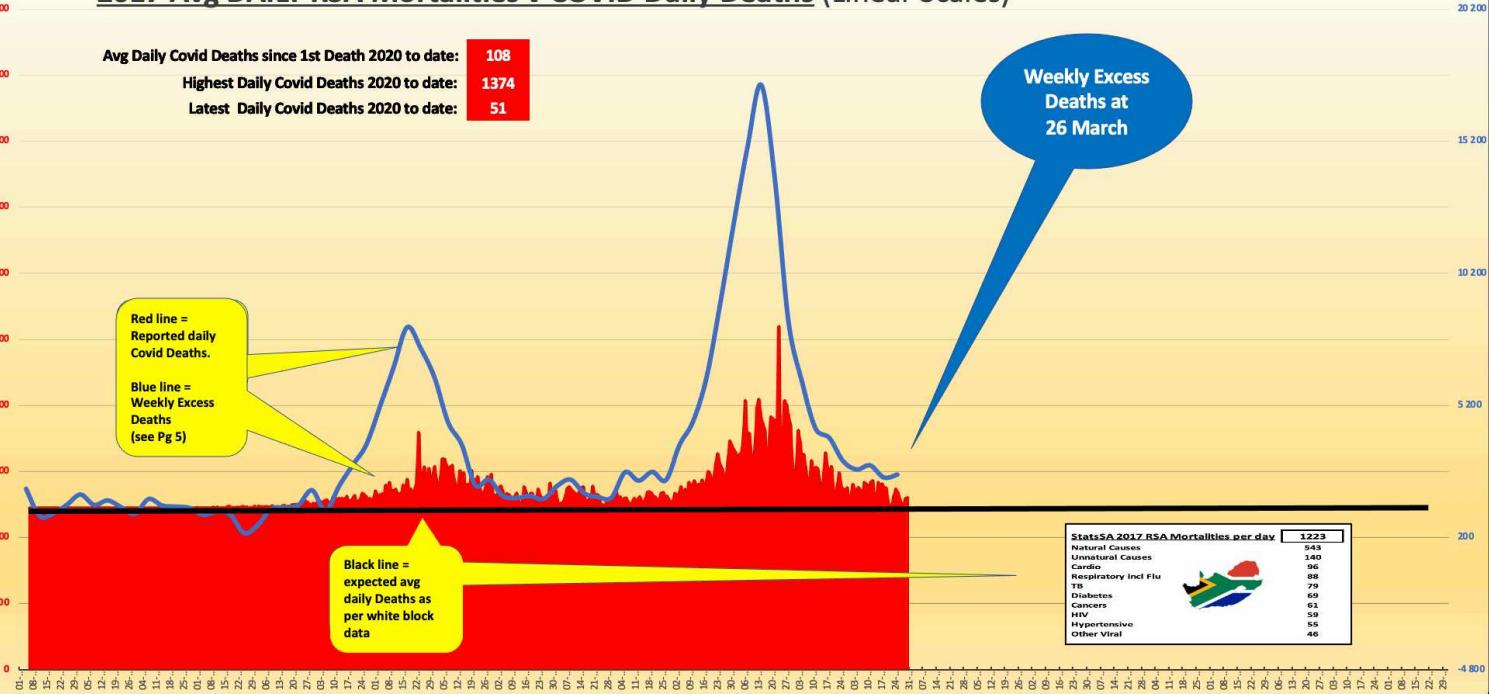
The two graphs WORLD (above) and RSA (below) attempt to put the number of Covid Deaths into some sort of perspective graphically.

The big RED blocks are TOTAL Avg Deaths from ALL causes over a full calendar year.

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

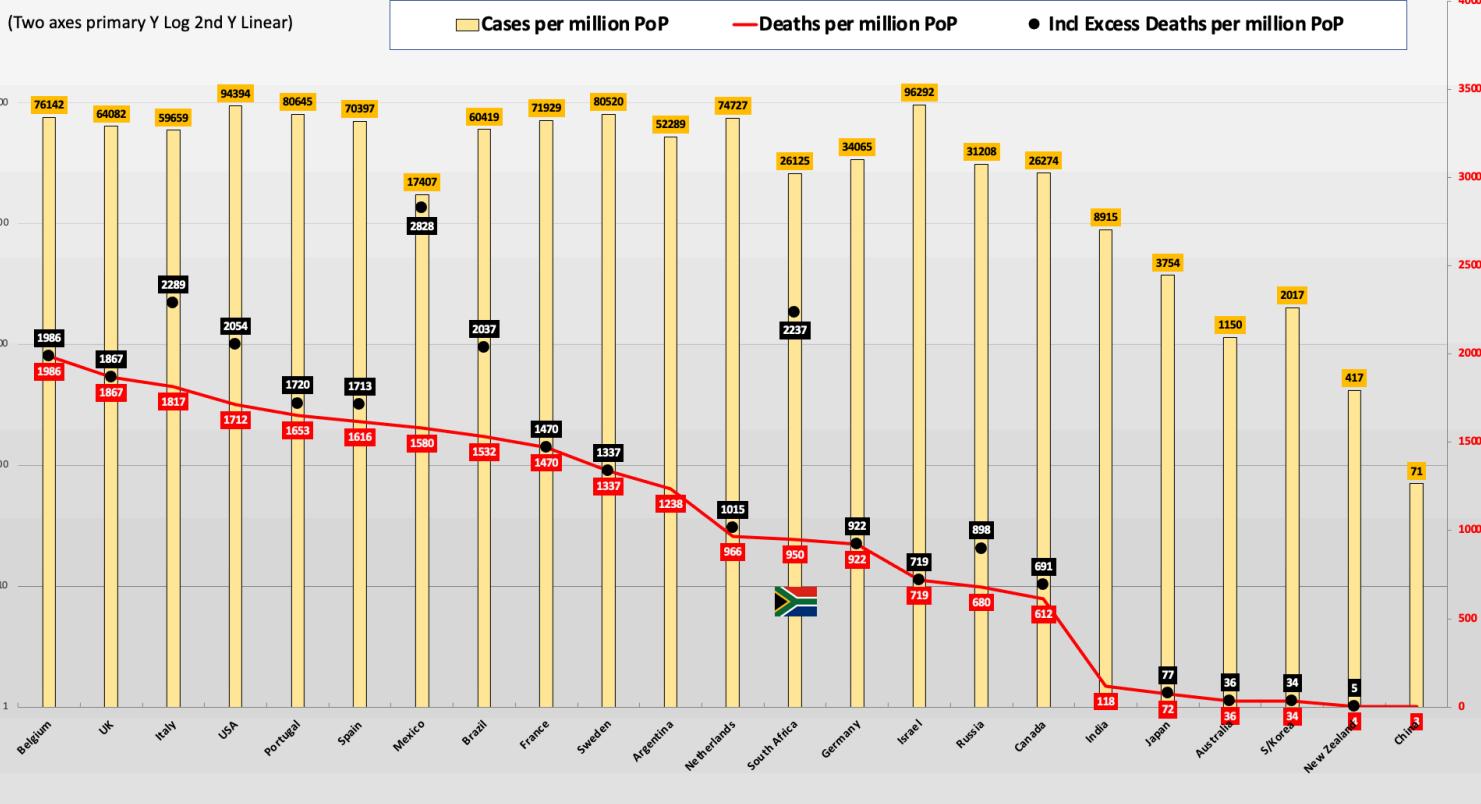
The BLUE line in the bottom RSA graph shows the SAMRC Excess Deaths weekly numbers.

## 2017 Avg DAILY RSA Mortalities v COVID Daily Deaths (Linear Scales)



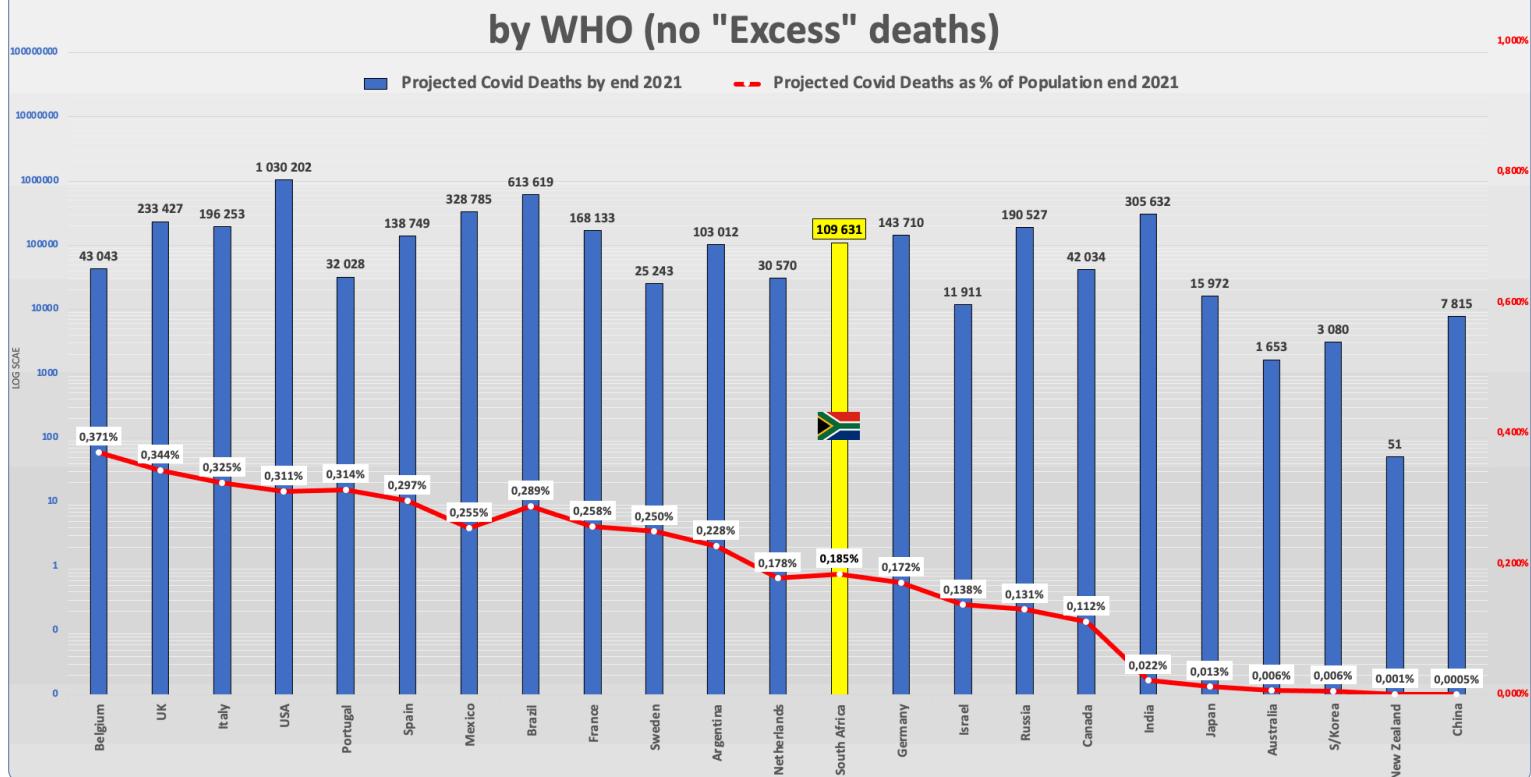
## Selected Countries' Current Reported Cases, Reported Deaths & Excess Deaths

Page 4



## Projected Deaths by end 2021 per country and % Deaths of Country

Populations at current officially reported Death Numbers as reported by WHO (no "Excess" deaths)



Data as at: 01 April 2021

Unless otherwise indicated

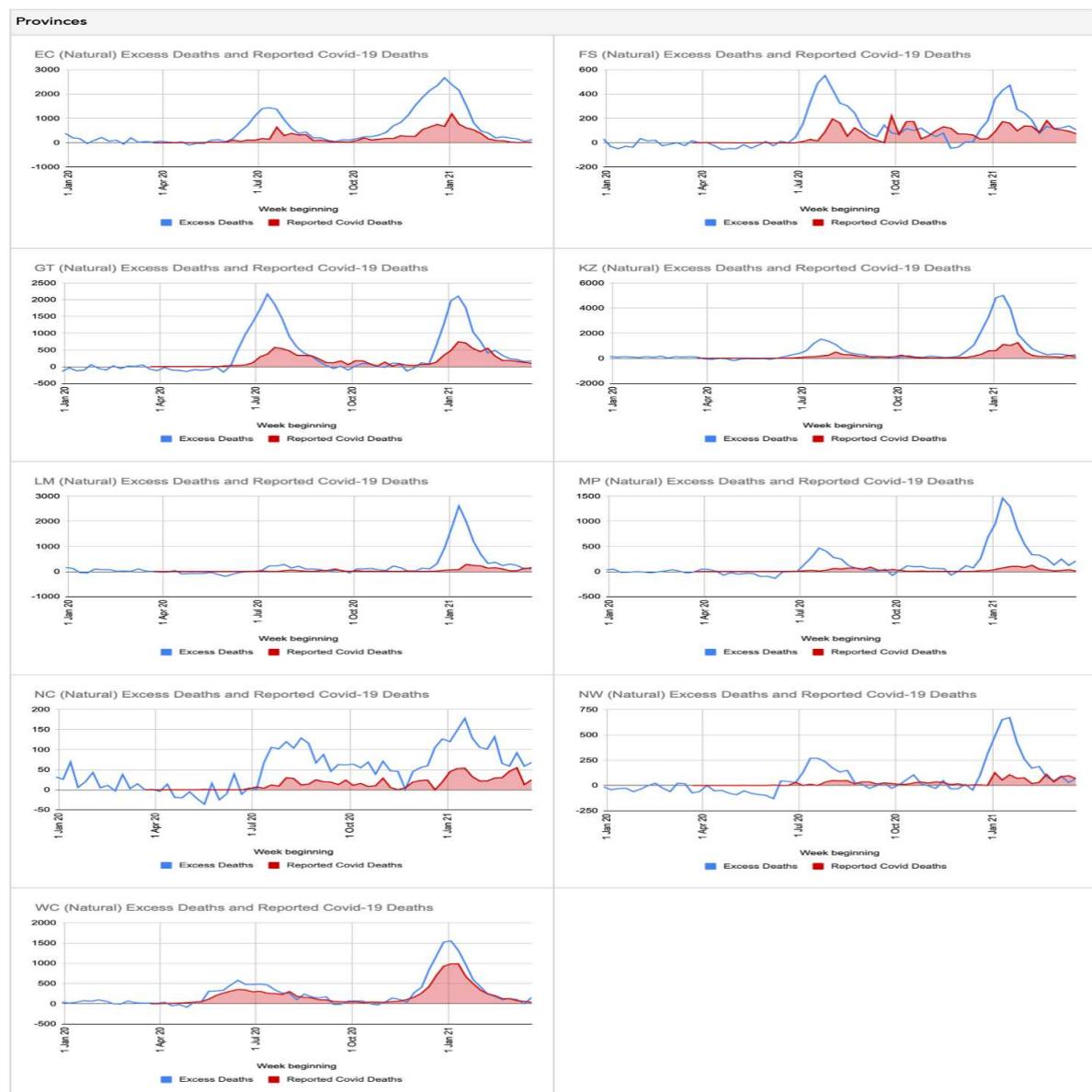
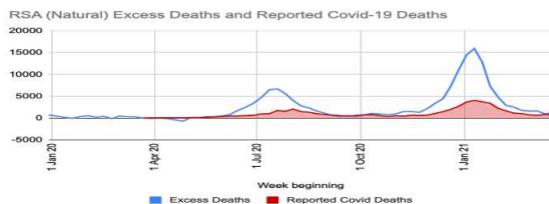
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## RSA Excess Deaths as per SA Medical Research Council

Data as at:  
26 March 2021

**Page 5**

One approach to aid understanding of the emerging COVID-19 mortality is to compare the estimated weekly excess deaths with the number of COVID-19 deaths reported by the Minister of Health as shown in the figure below. This comparison is hampered to some degree by the fact that the excess deaths are classified by week in which the death occurred; the reported COVID-19 deaths are classified by date the numbers are reported to the Department. If all excess natural deaths were due to COVID-19, and all COVID-19 deaths were perfectly identified and reported, the two series would be identical. The number of estimated excess deaths has begun to decrease, consistent with the trend in the number of confirmed COVID-19 deaths. Although more data are needed on the underlying causes of death, this observation is strongly supportive that a significant proportion of the current excess mortality being observed in South Africa is likely to be attributable to COVID-19.



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 gaps are the socalled "Excess Deaths" which can largely be ascribed to Covid,  
directly (home/rural deaths) and indirectly (limited access to hospitals due to fear of Covid or no space).

Data as at:

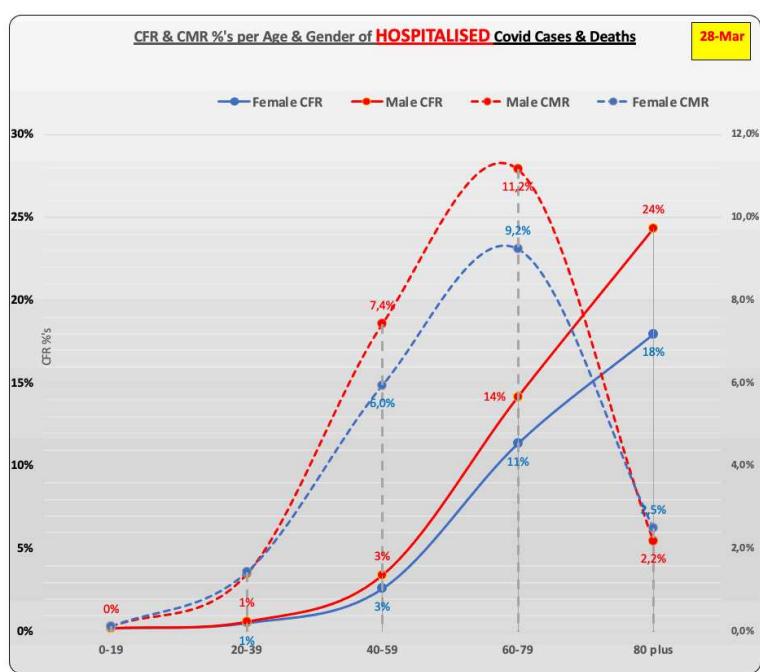
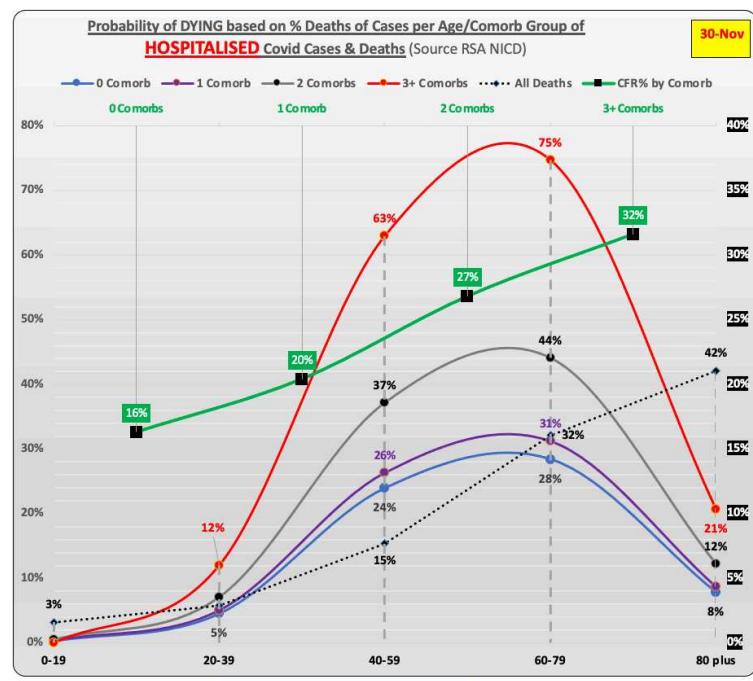
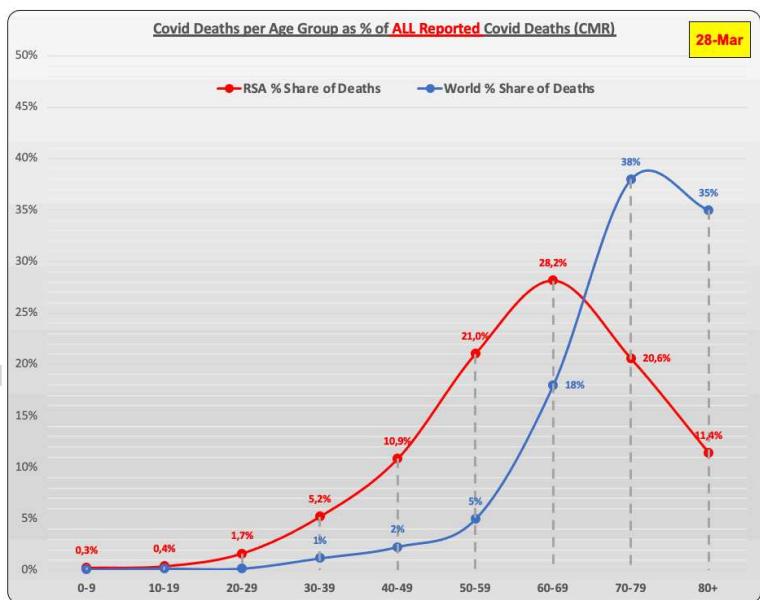
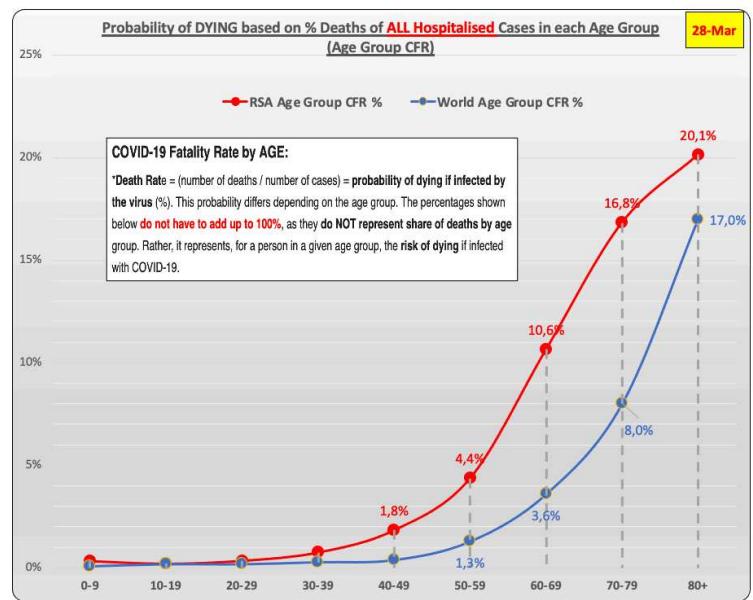
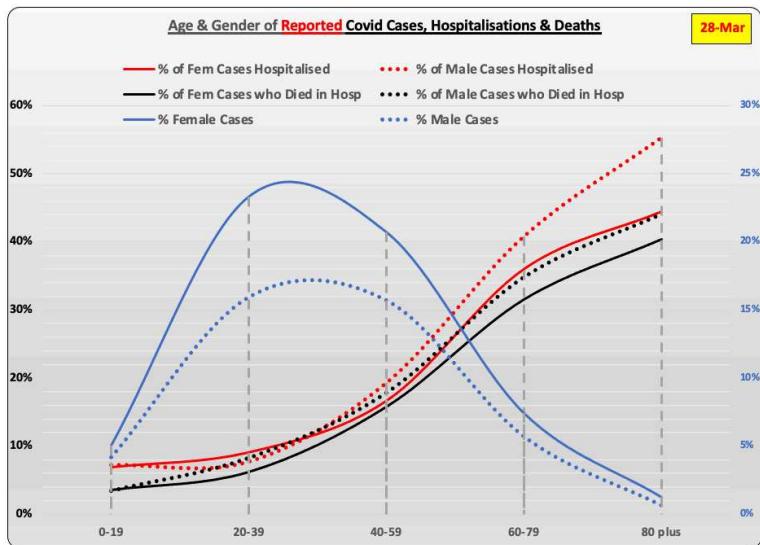
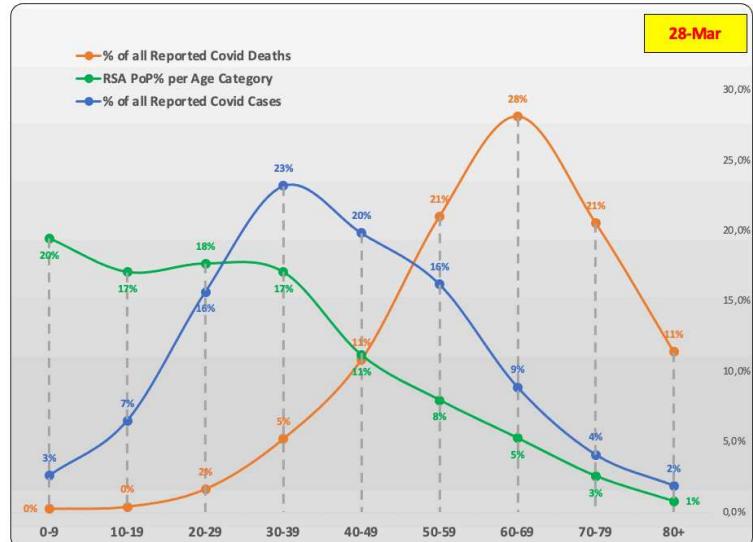
**Latest Available**

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02 April 2021

# RSA Age & Gender Stats

Page 5.1



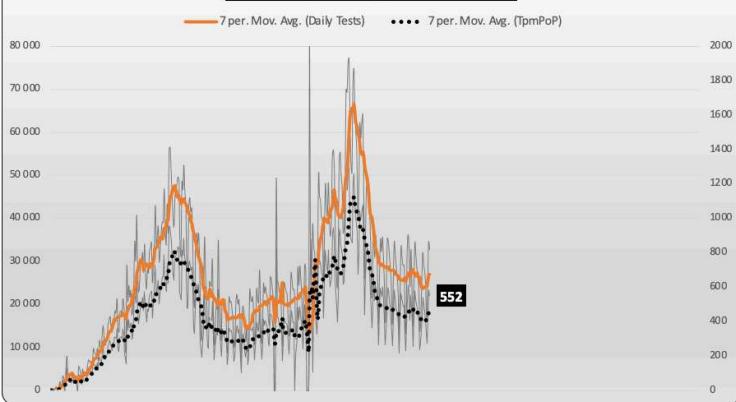
Data as at: As indicated per graph

hdg 02 April 2021

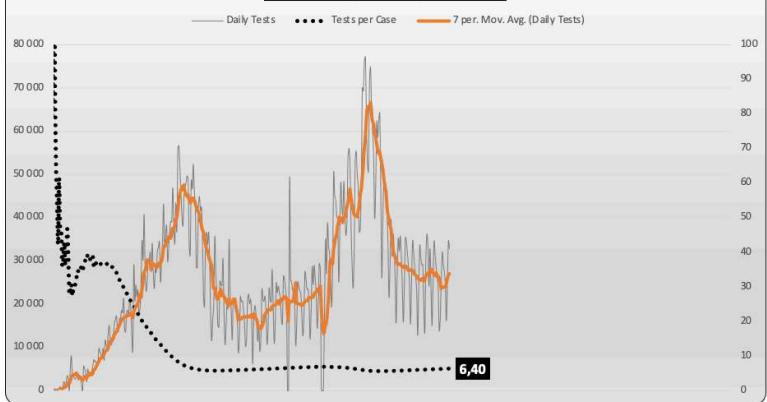
## RSA Key Ratios & Comparators (all graphs from Jan 2020)

Page 5.2

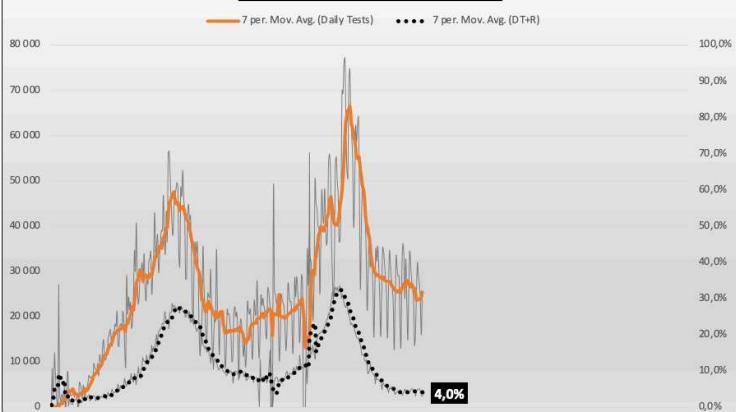
**RSA: Daily Tests per million PoP**



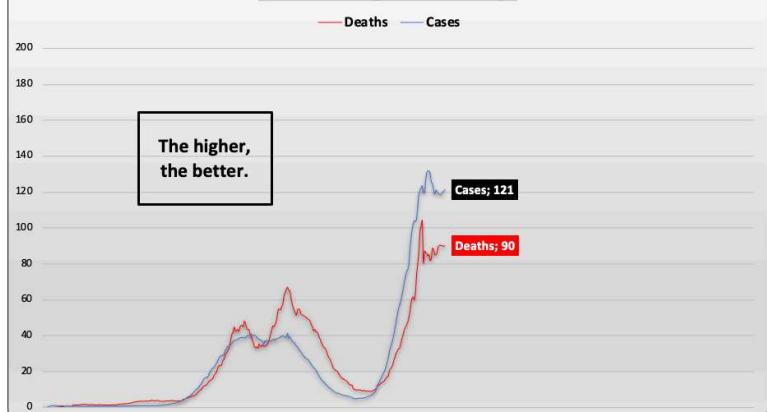
**RSA: Daily Tests per +Case**



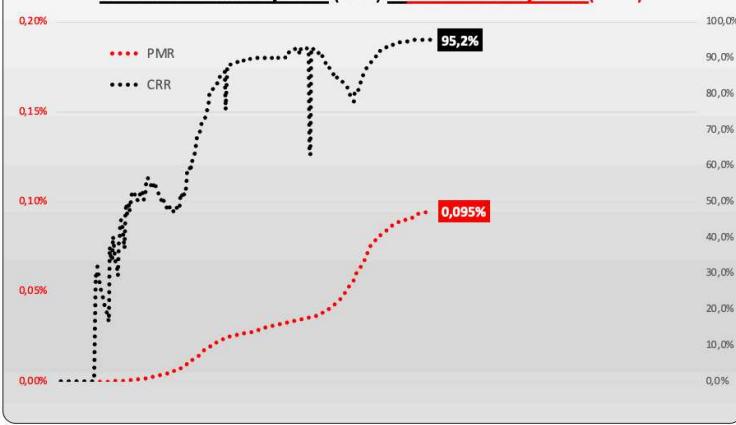
**RSA: Daily Tests Positivity %**



**RSA Doubling Times in Days**



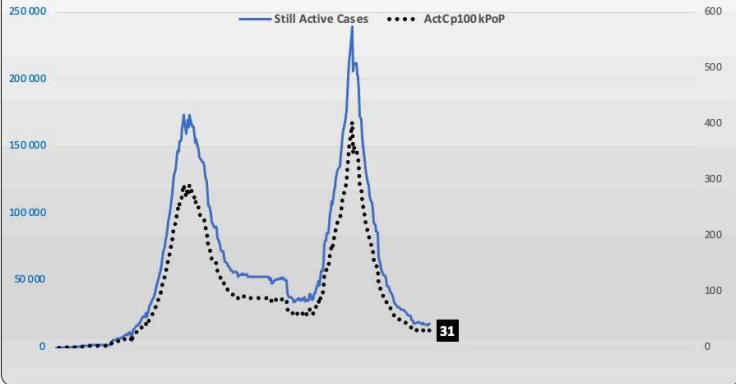
**RSA: Case Recovery Rate (CRR) & PoP Mortality Rate (PMR)**



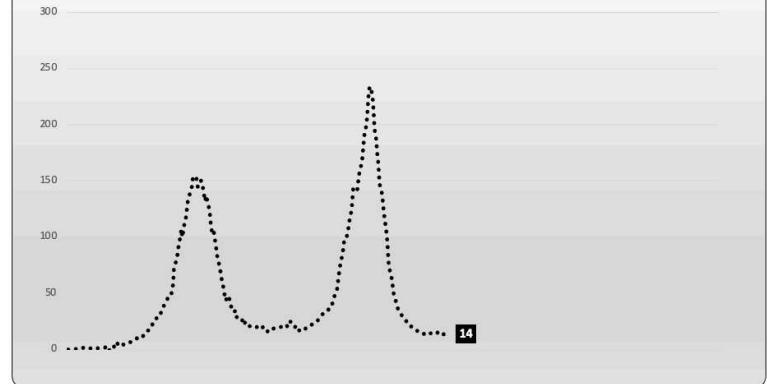
**RSA: Deaths as % of Cases (CFR)**



**RSA: Active Cases per 100k PoP**



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



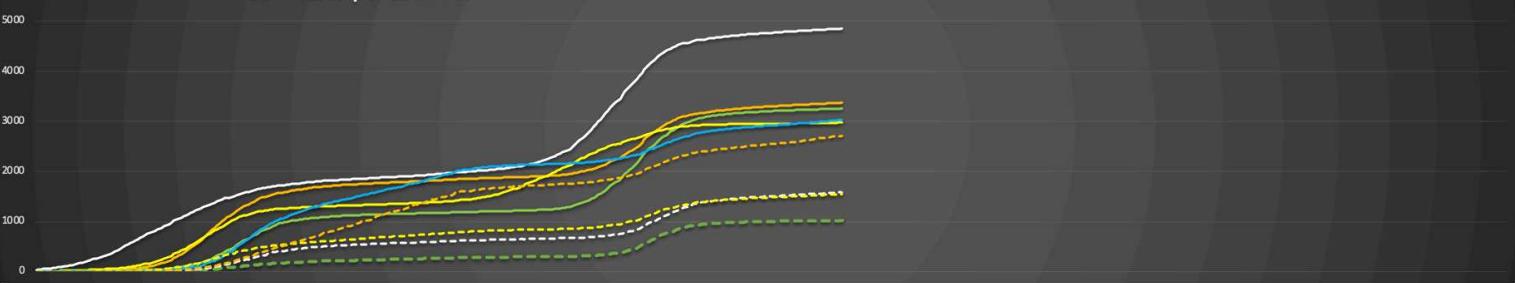
# RSA & Provinces Key Data Sets

All linear scales

Page 5.3

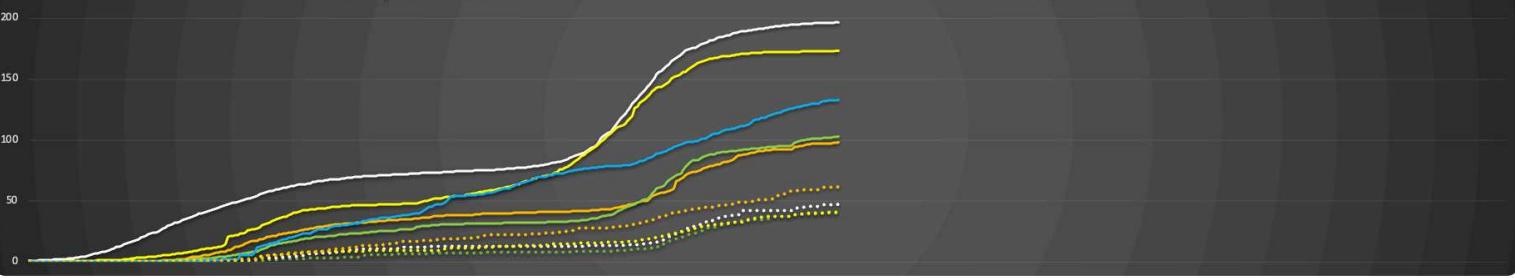
Cum Cases per 100k PoP

GP — WC — KZN — EC — FS — LP — MP — NW — NC



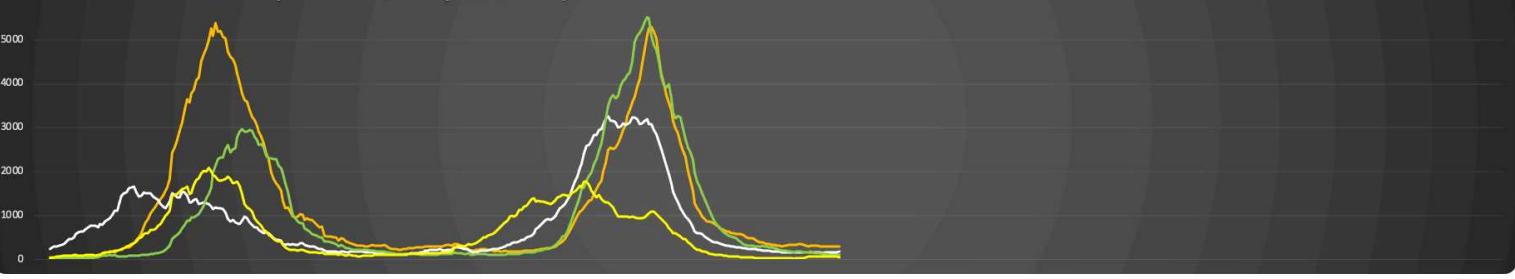
Cum Deaths per 100k PoP

GP — WC — KZN — EC — FS — LP — MP — NW — NC



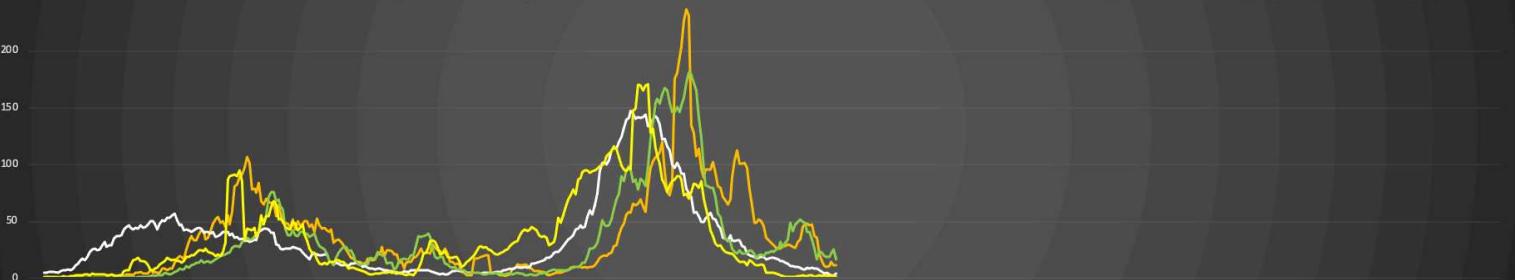
Major Provinces Daily Cases 7 Day MA

Gauteng — W/Cape — KZN — E/Cape



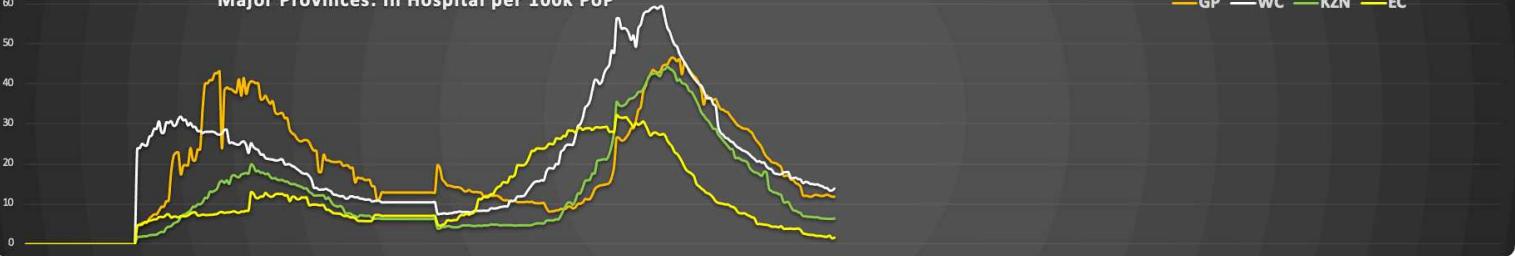
Major Provinces Daily Deaths 7 Day MA

Gauteng — W/Cape — KZN — E/Cape



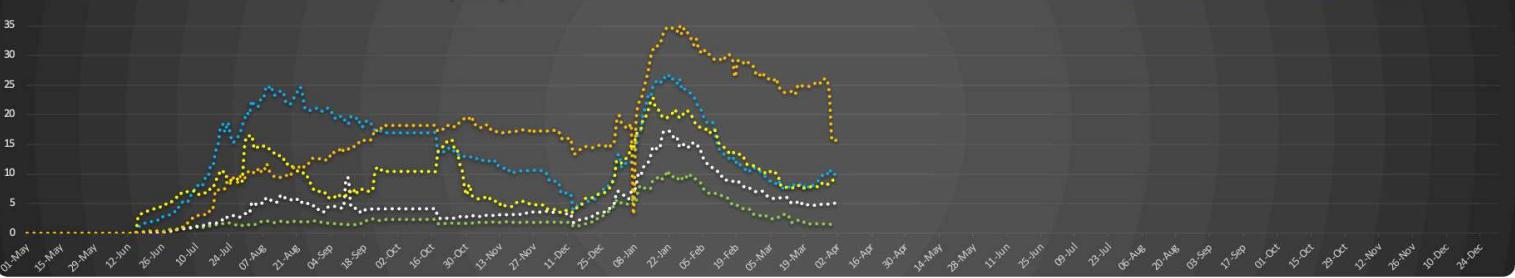
Major Provinces: In Hospital per 100k PoP

GP — WC — KZN — EC



Smaller Provinces: In Hospital per 100k PoP

FS — LP — MP — NW — NC



Data as at:

01 April 2021

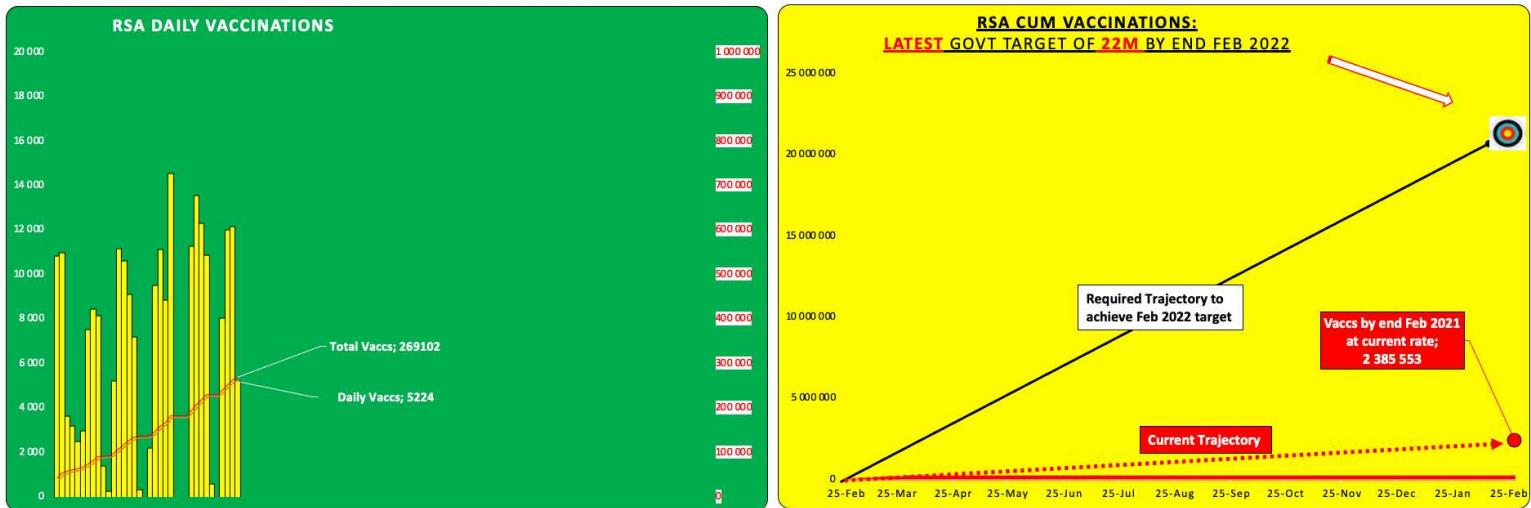
Unless otherwise indicated

hdg

02 April 2021

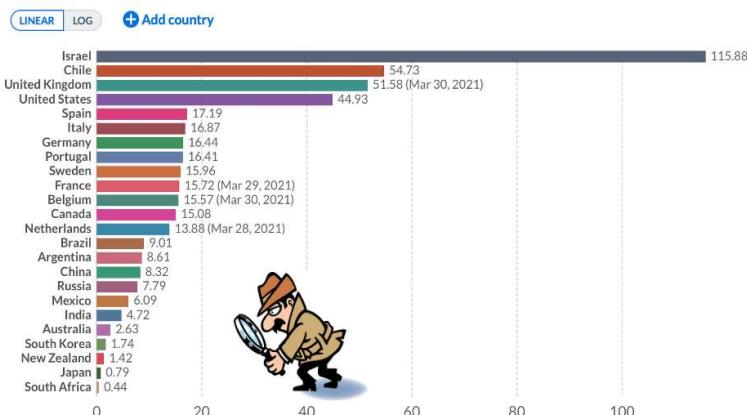
# Vaccination Data

Page 6

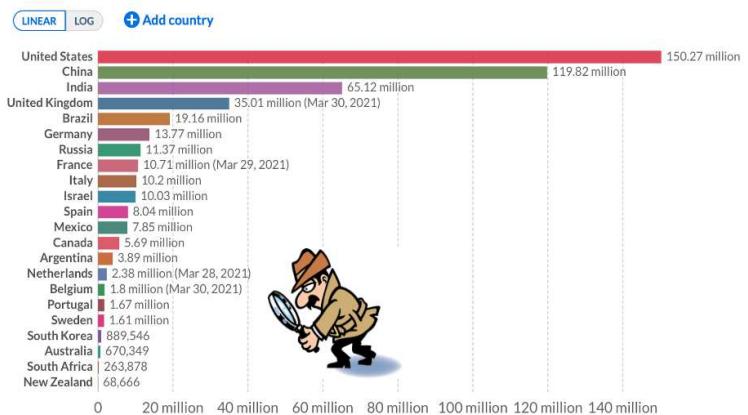


## Selected countries who publish their VAC data :

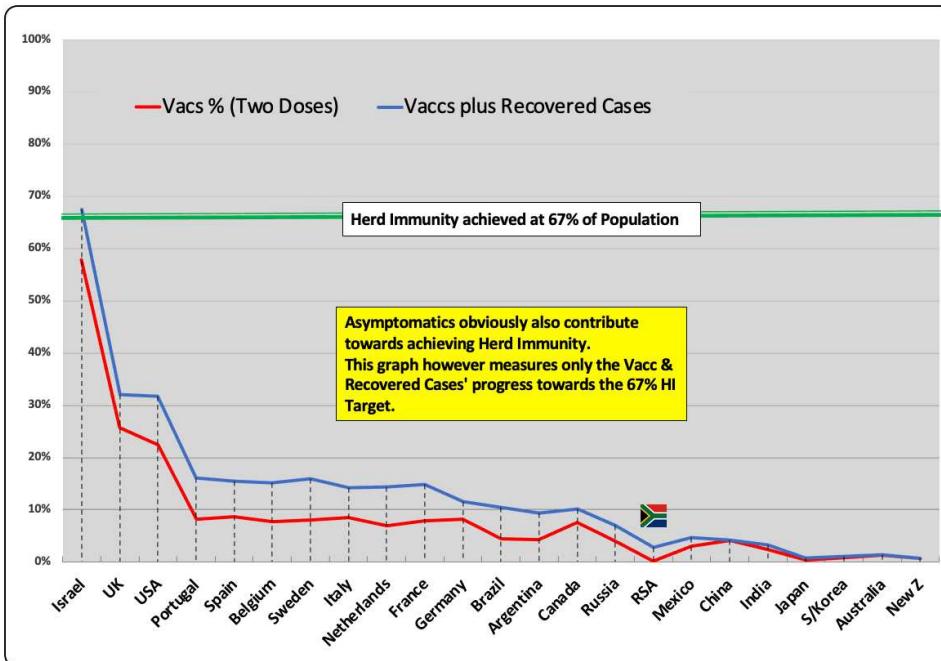
COVID-19 vaccine doses administered per 100 people, Mar 31, 2021  
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



COVID-19 vaccine doses administered, Mar 31, 2021  
Total number of vaccination doses administered. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



## Selected Countries' Progress towards Herd Immunity (HI) :



**How long will it take for RSA to achieve Herd Immunity Target at current rate of Vaccination ?**

Vaccs to date: 269 102 (single dose) Avg Vaccs per day: 7 273

Herd Immunity Target : 22 000 000 (approx 67% of RSA PoP)  
Revised down from 35m to 22m on 31 March

8.3 Years



Excludes the contribution to Herd Immunity by Recovered and Asymptomatic Cases.

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02 April 2021

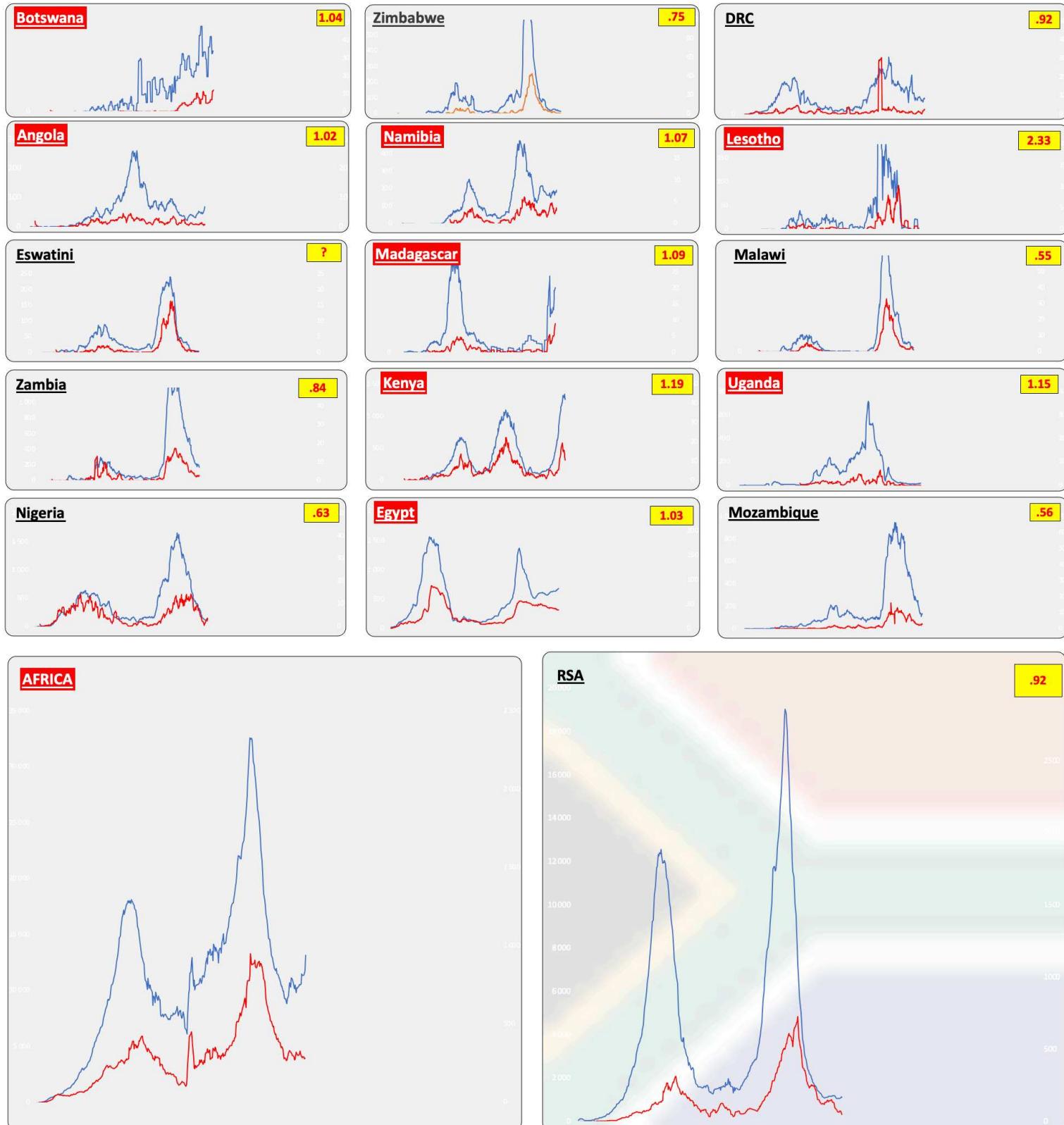
## Africa Daily Reported New Cases & Deaths 7 Day MA

Page 6.1

 Noteworthy: Good data shows adverse trends

(Jan 2020 to Present)  
CASES DEATHS

Latest Rt #'s



Data as at: 01 April 2021

Unless otherwise indicated

hdg 02 April 2021

A smile is the best vaccine....



MATT



*'I'm a little, old, vulnerable grandmother. Any chance you could get me the Pfizer vaccine?'*

MATT



*'We're working on our own vaccine. You still get Covid-19, but you can run 100m in under 9 seconds'*