



COVID-19 UPDATES

31 May 2022



CAPRISA hosts a
DST-NRF Centre of
Excellence in
HIV Prevention



National
Research
Foundation



CAPRISA hosts a MRC HIV-TB Pathogenesis
and Treatment Research Unit
CAPRISA hosts a DoH-MRC Special Initiative
for HIV Prevention Technology



health
Department:
Health
REPUBLIC OF SOUTH AFRICA

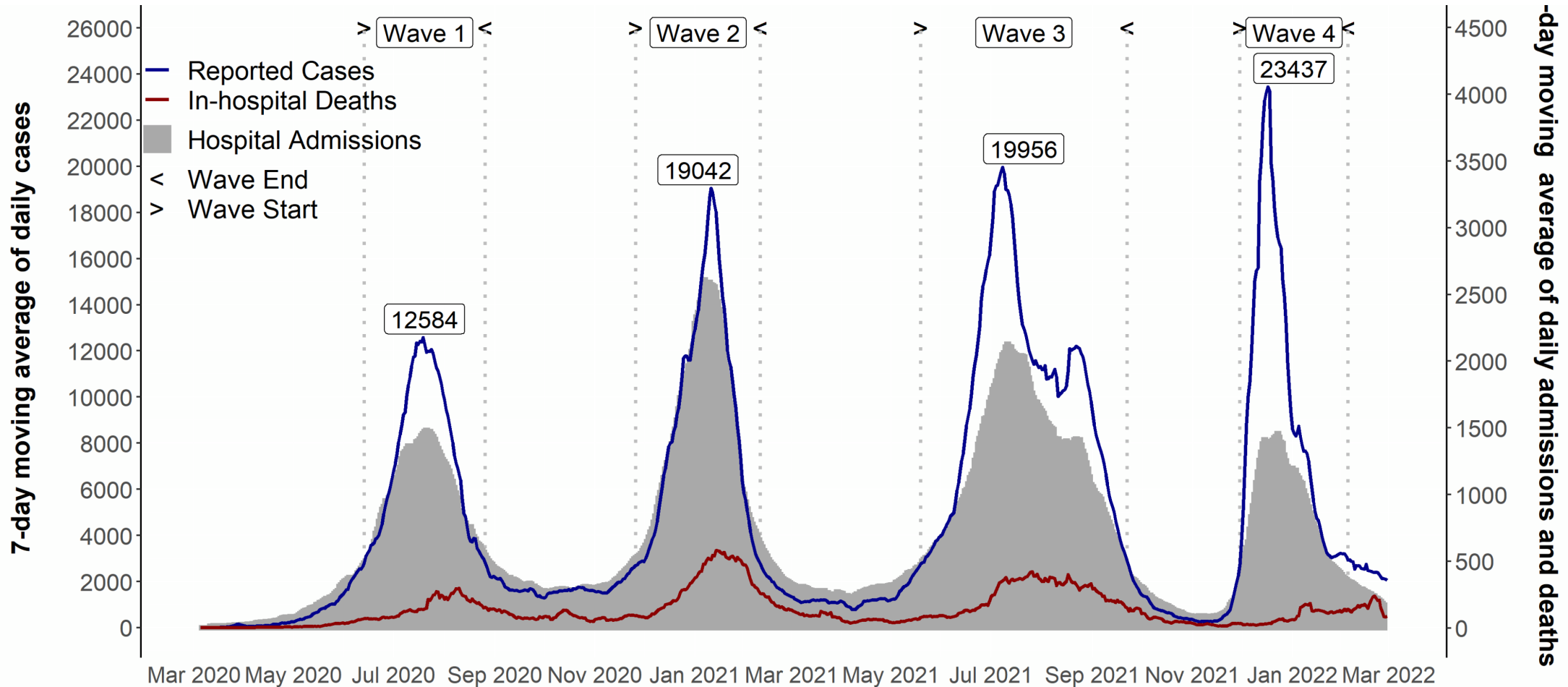
COLUMBIA
UNIVERSITY

MAILMAN SCHOOL
of PUBLIC HEALTH



Covid-19 in South Africa

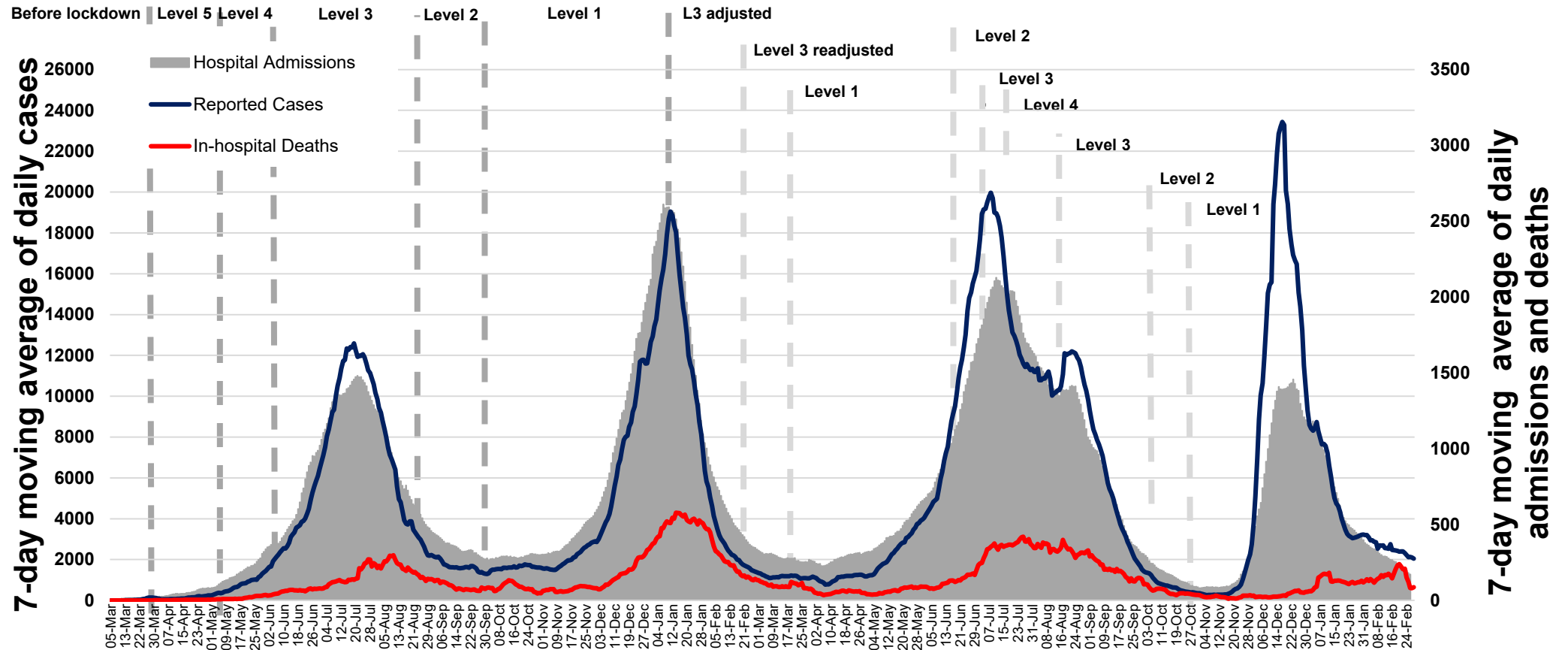
up to - 02 March 2022



Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

Covid-19 in South Africa

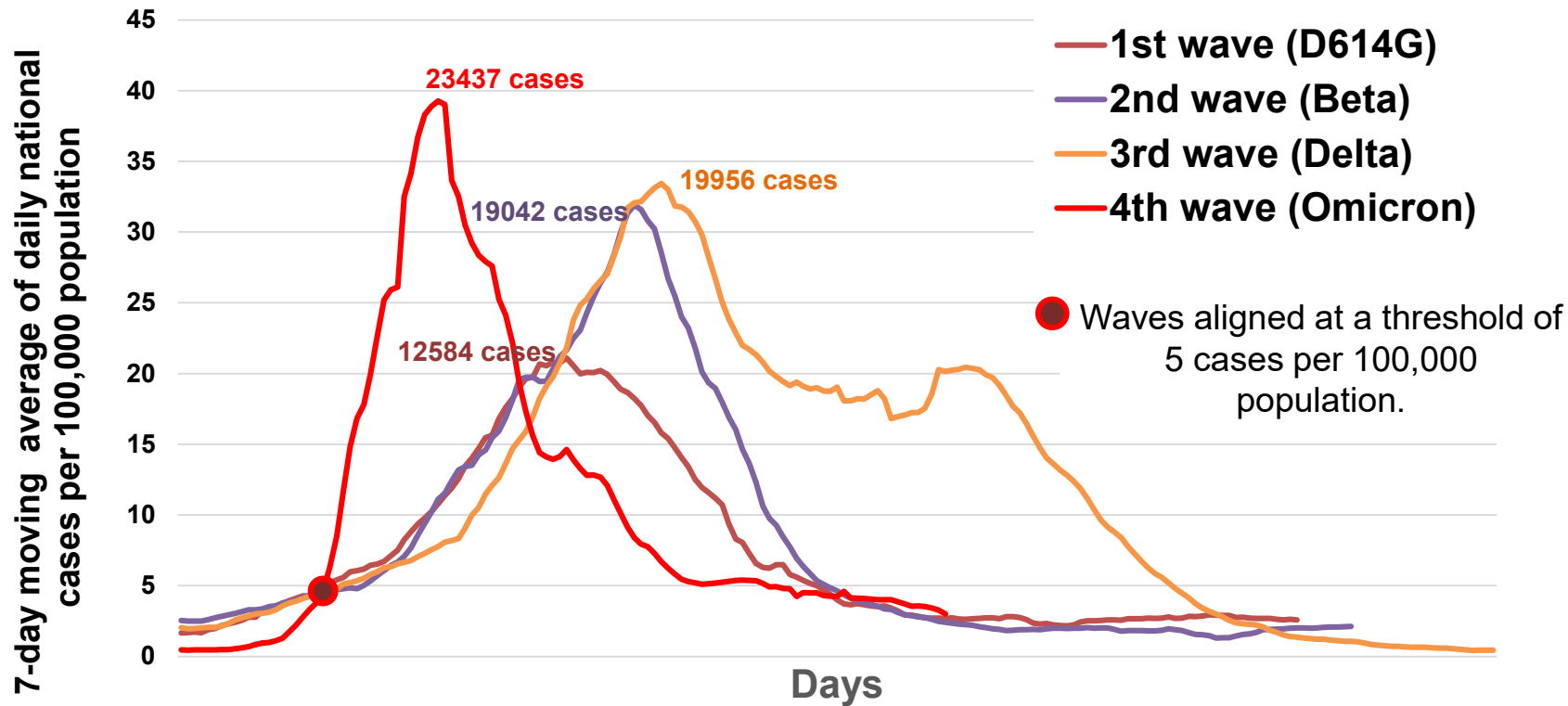
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths
up to - 02 March 2022



Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: South Africa

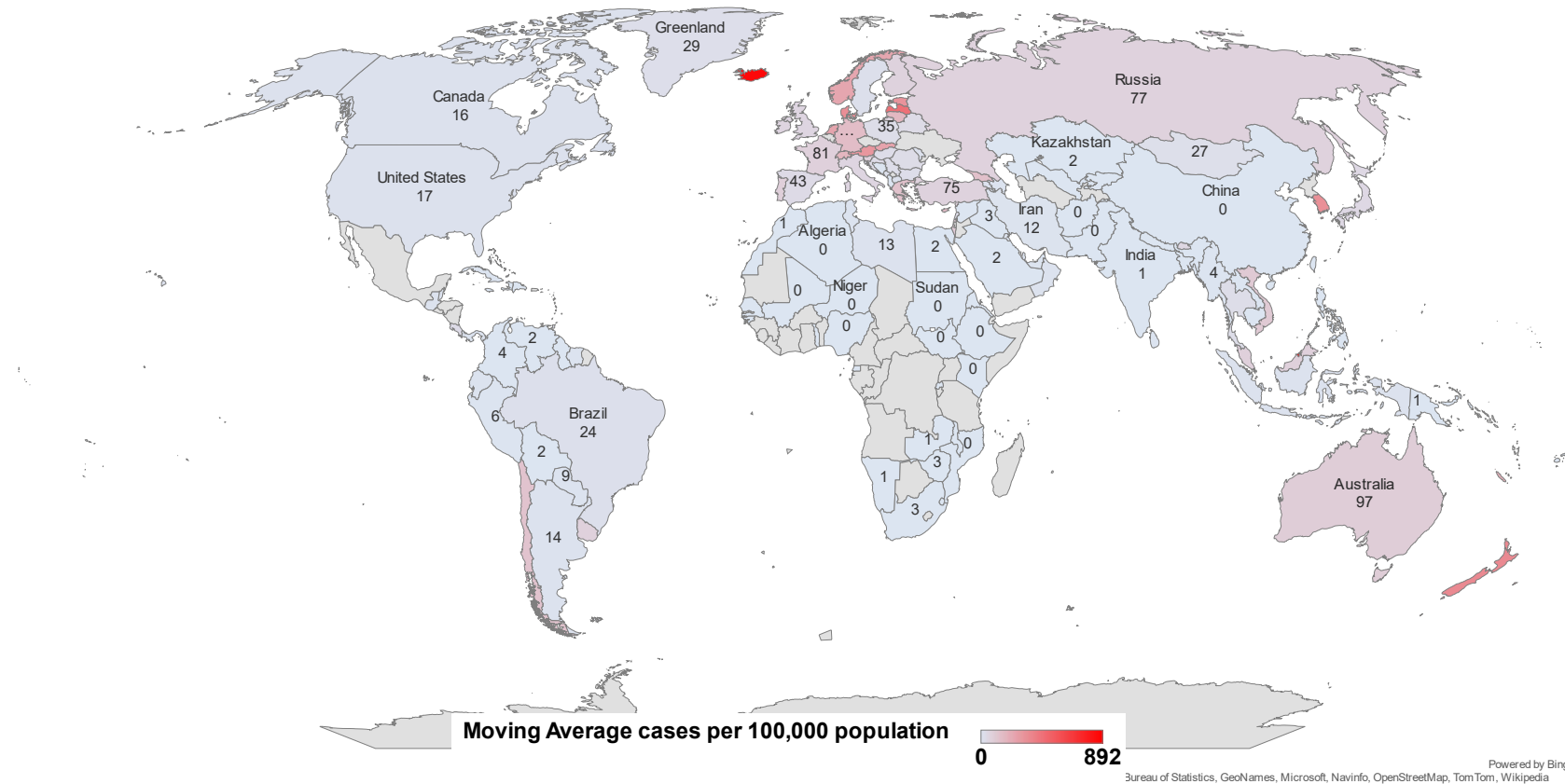
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi LETSOALO; Ande MCHUNU

Global Covid-19 epidemic

7-day moving average cases per 100,000 population
up to - 02 March 2022

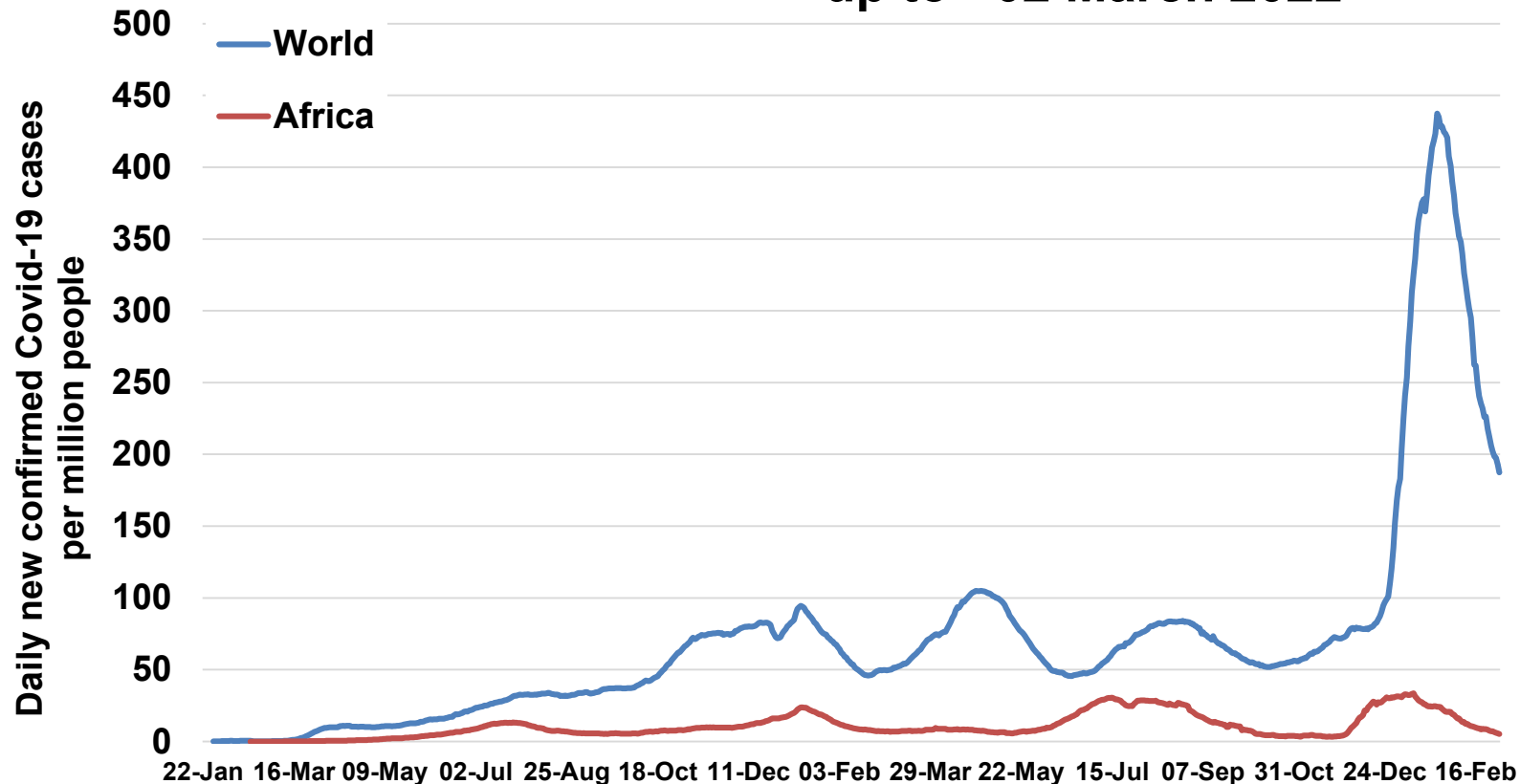


Source: Our World in Data

Covid-19 in Africa

Omicron variant drives 4th wave

up to - 02 March 2022



WORLD

* 440 million cumulative global case and 6 million deaths

AFRICA

* 11.2 million cumulative cases (2.6 % of global cases - 22 January 2020 up to 02 March 2022)

* 248905 deaths (CFR: 2.2%; ~4.2% of global deaths in 15% of world's population)

Estimated effective reproduction rate (R) of Covid-19 in South Africa

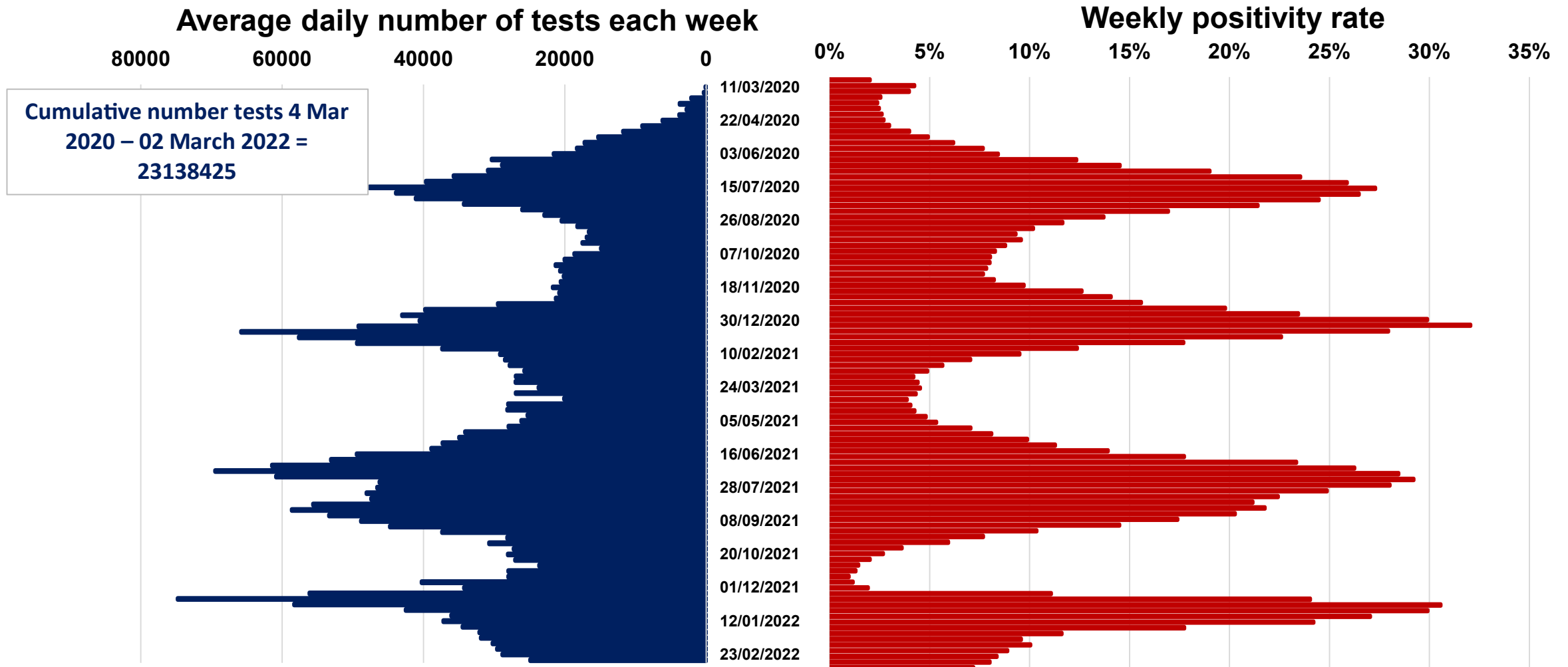
up to - 26 February 2022



Source: Our World in Data; data explorer; Johns Hopkins University [COVID-19 Dashboard](#)

Average daily tests and proportion of positive tests

up to - 02 March 2022

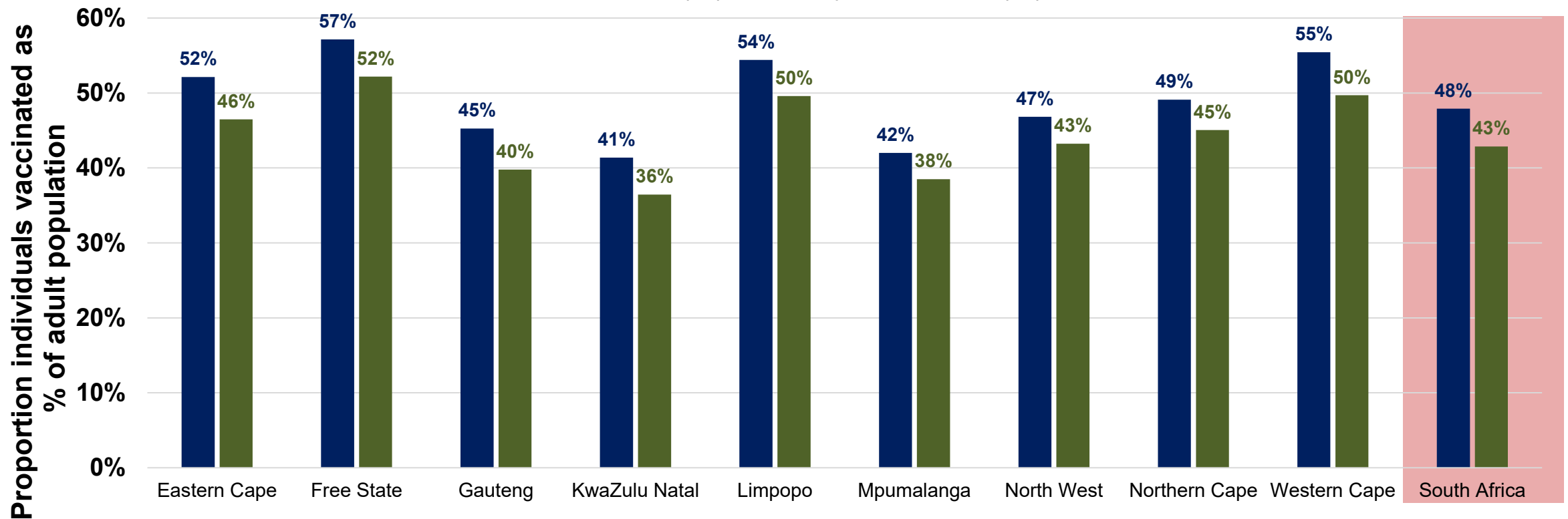


Data source: Department of Health

Proportion of individuals vaccinated as % of adult population

up to - 02 March 2022

■ Vaccinated (%) ■ Fully vaccinated (%)

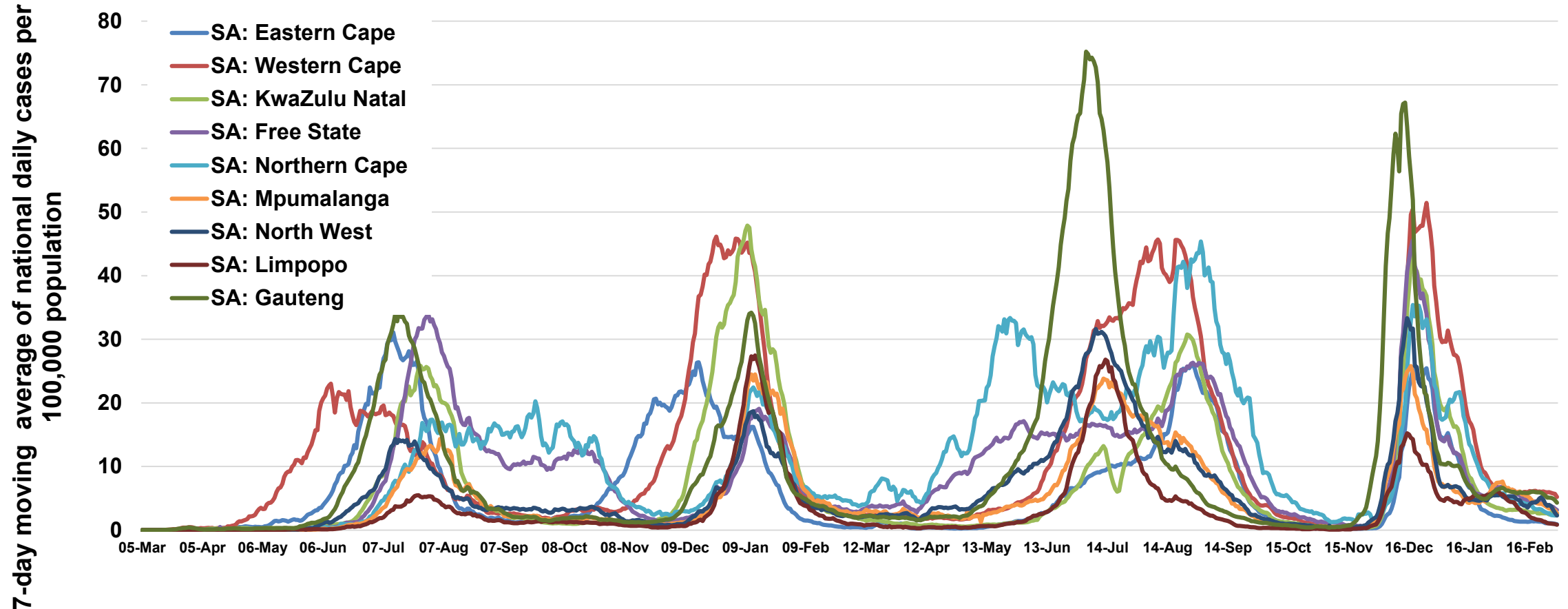


Source: Department of Health. <https://sacoronavirus.co.za/latest-vaccine-statistics/>

Confirmed SARS-Cov-2 cases by province

7-day moving average cases per 100,000 population

up to - 02 March 2022

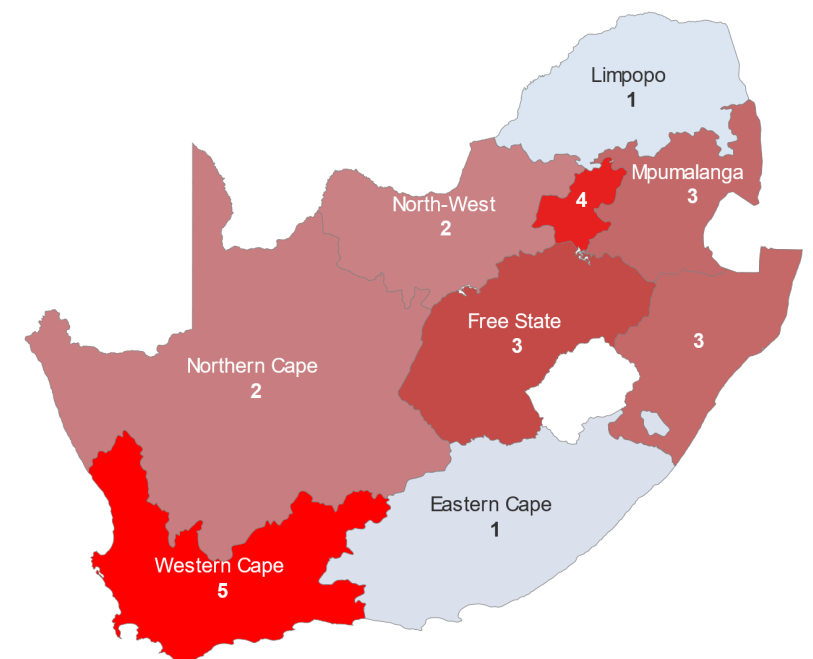


Data source: Department of Health; Analysis

Daily new cases over last 7 days/100,000

up to - 02 March 2022

Province	Population per 100,000	7 Days Moving Average				Increase / Decrease
		at 7 days back	Per 100K at 7 days back	at a day back	100K at a day back	
Eastern Cape	67	82	1	61	1	-25%
Free State	29	116	4	93	3	-20%
Gauteng	155	837	5	667	4	-20%
KwaZulu Natal	115	305	3	306	3	0%
Limpopo	59	76	1	48	1	-36%
Mpumalanga	47	177	4	124	3	-30%
North West	41	170	4	94	2	-44%
Northern Cape	13	37	3	30	2	-18%
Western Cape	71	420	6	367	5	-13%
South Africa	597	2219	4	1791	3	-19%
Africa	13410	10518	1	7172	1	-32%
World	77952	1673949	21	1476557	19	-12%

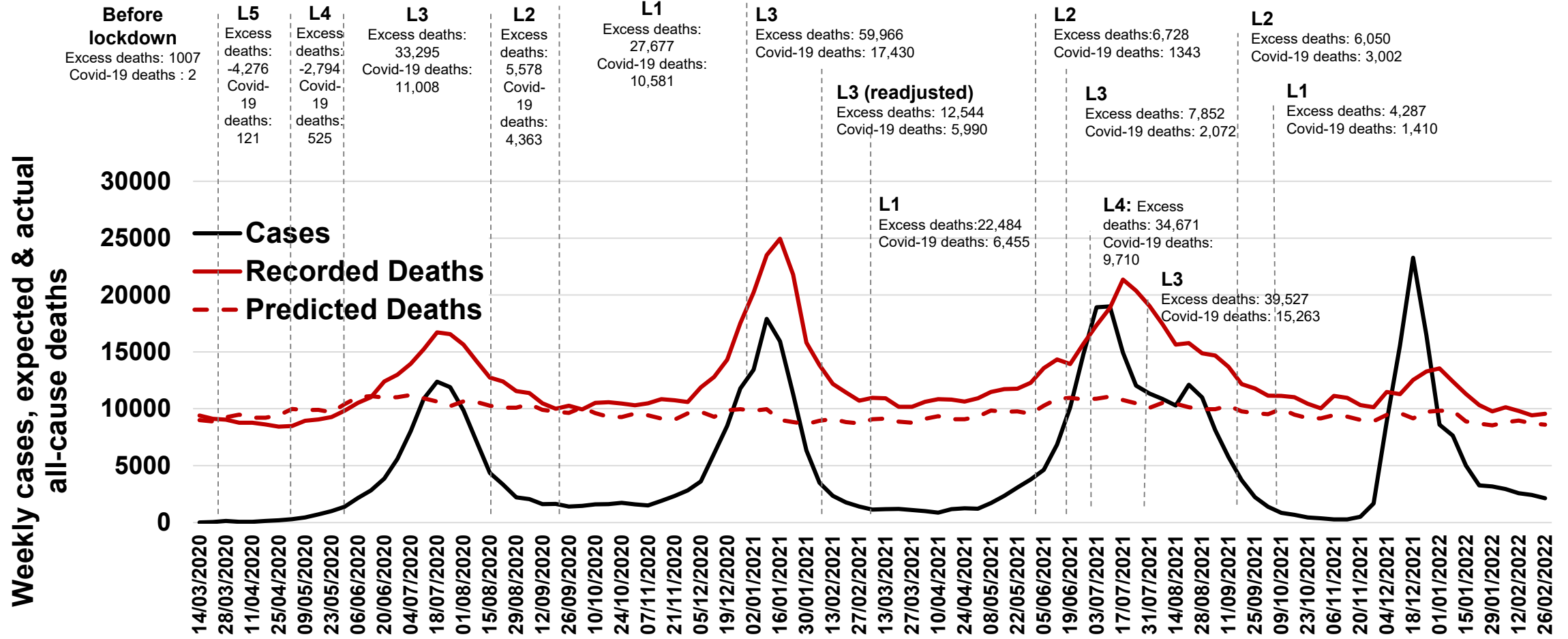


7 days moving average per 100K population

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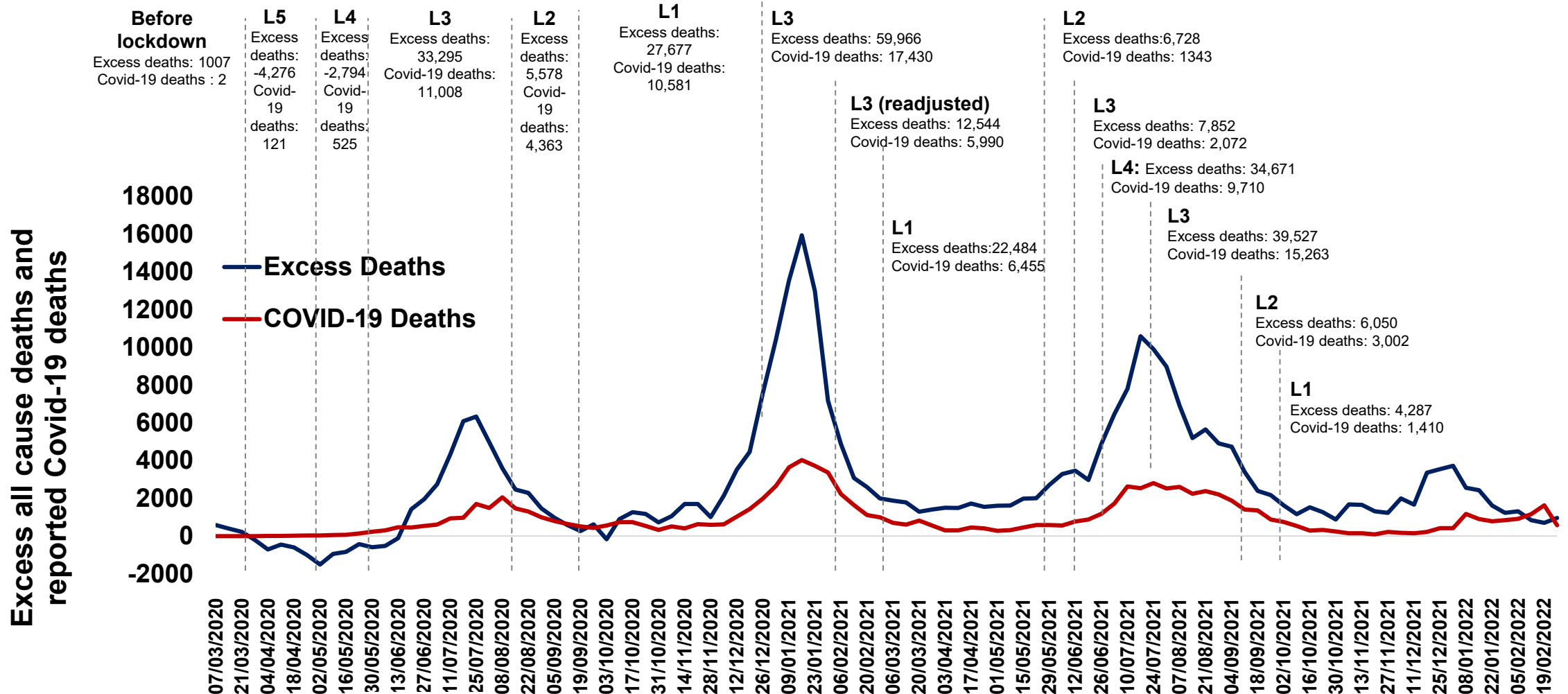
Expected & actual all-cause deaths during Covid-19

up to - 26 February 2022



Weekly excess all cause deaths & reported Covid-19 deaths

up to – 26 February 2022



Source: Bradshaw D, et al 

● THE BHEKISISA PODCAST ●

When will COVID end?



Mia Malan

Bhekisisa editor-in-chief

AND



Salim Abdool Karim

Caprisa

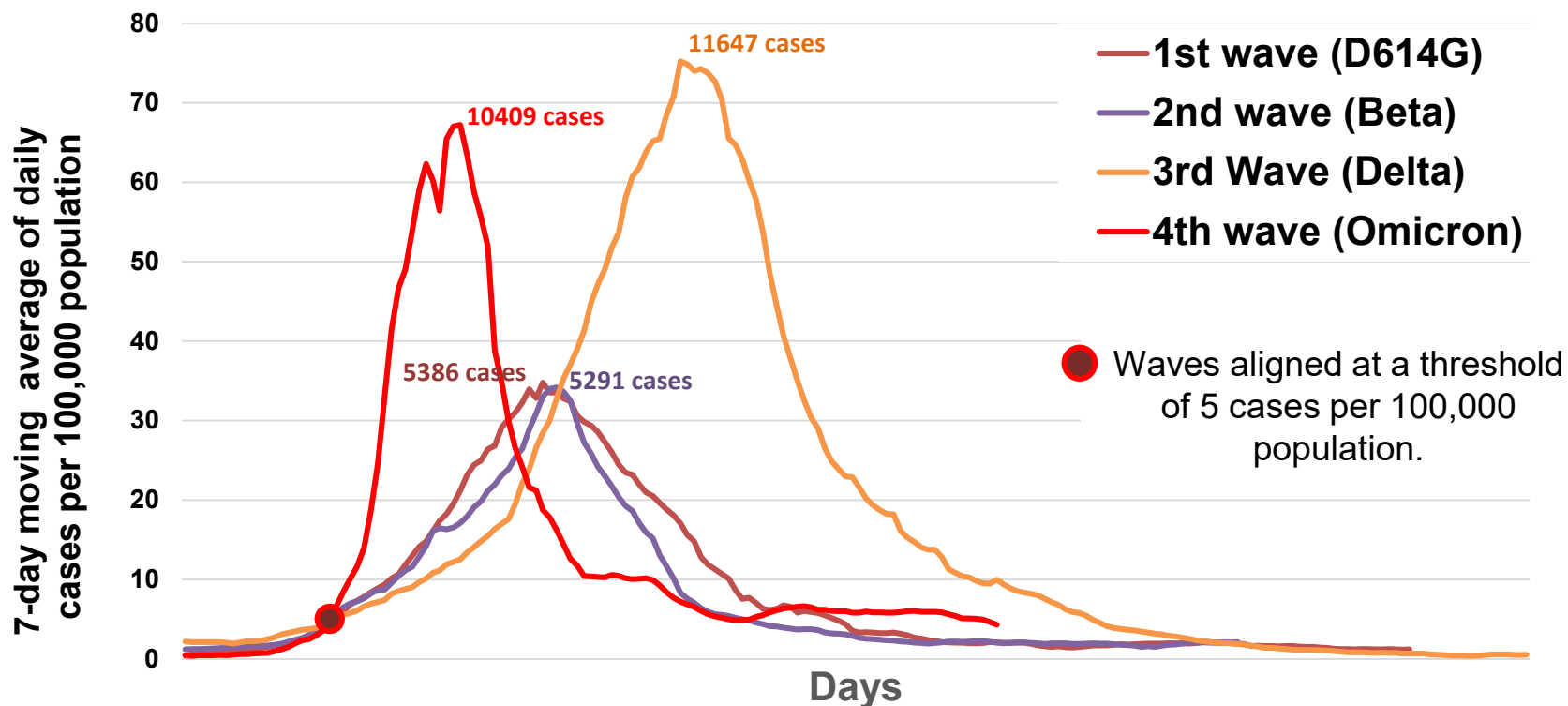
22:29

-1:34



SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Gauteng

7-day moving average cases per 100,000 population
up to - 02 March 2022

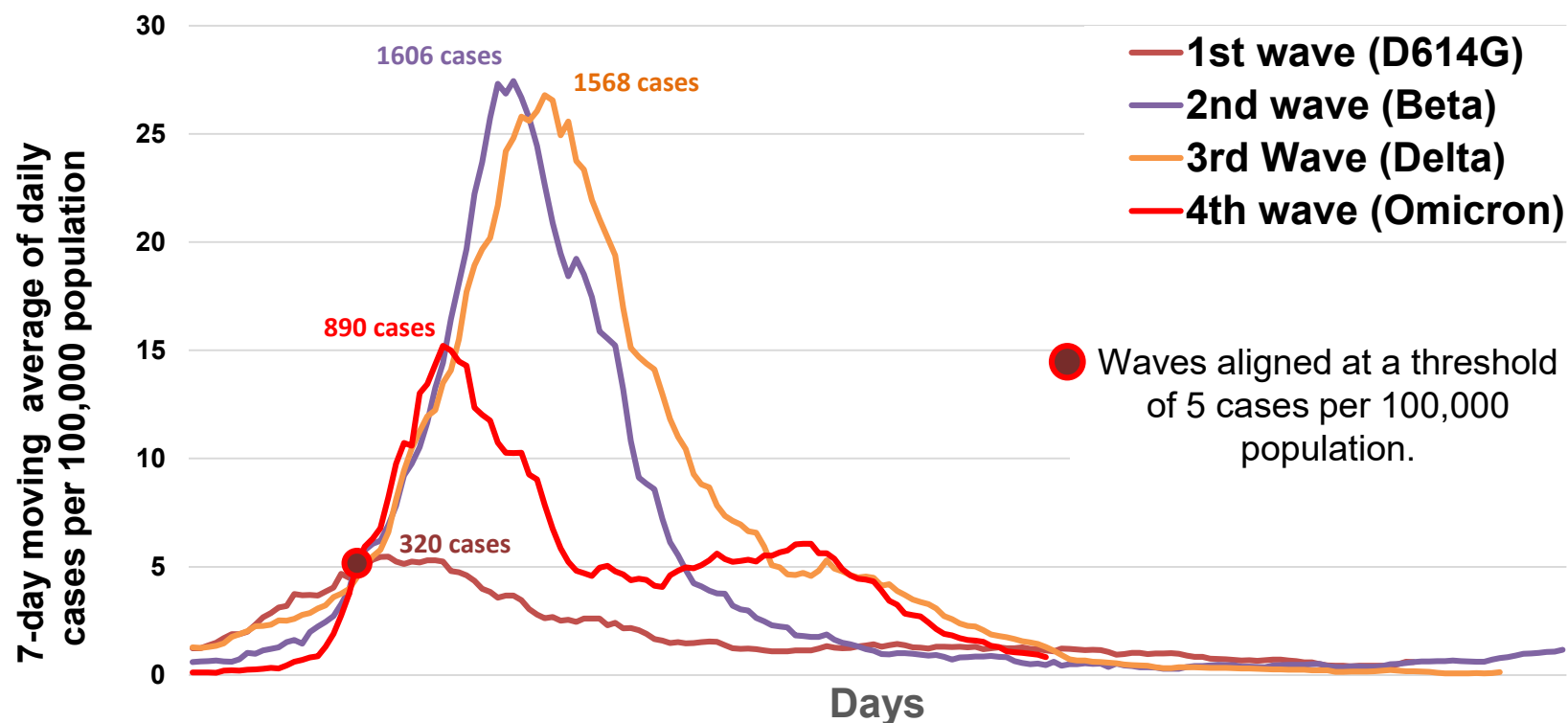


Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Limpopo

7-day moving average cases per 100,000 population

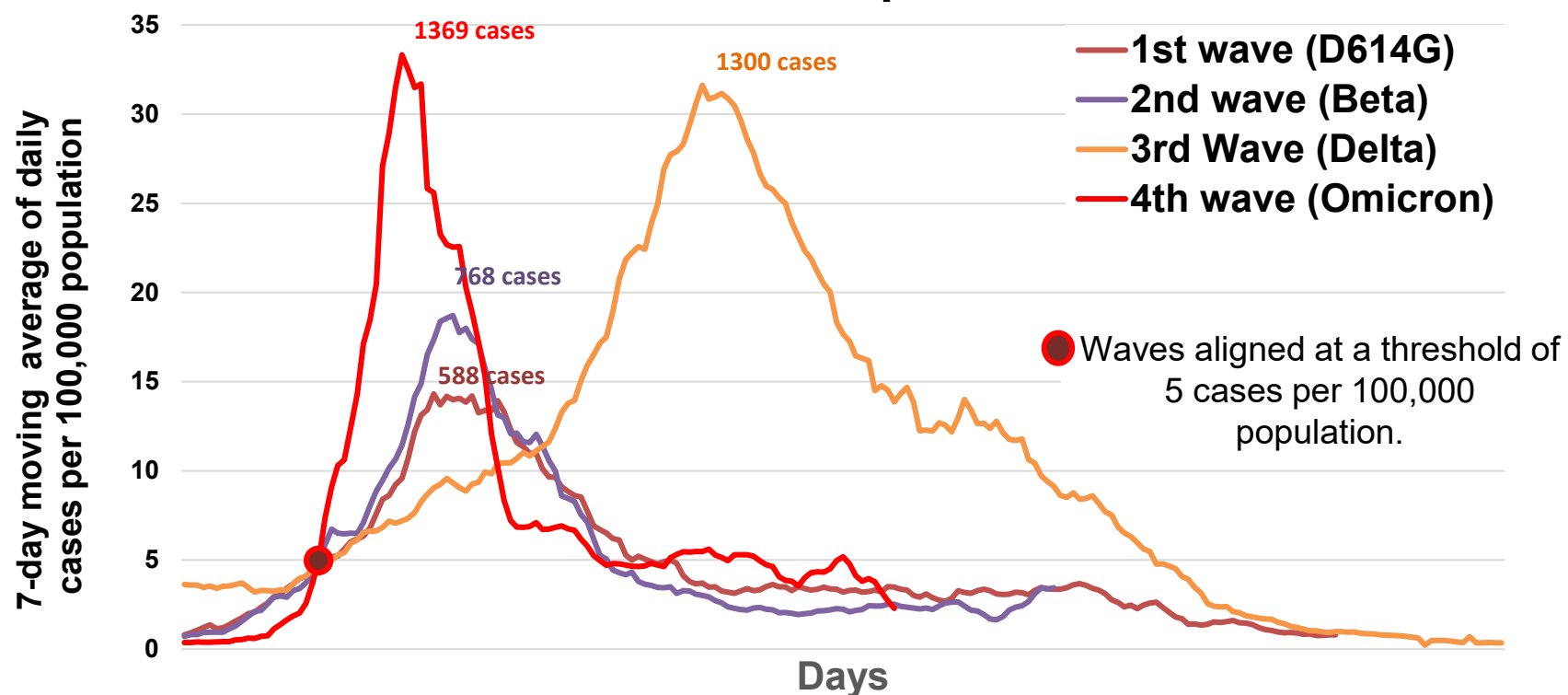
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: North West

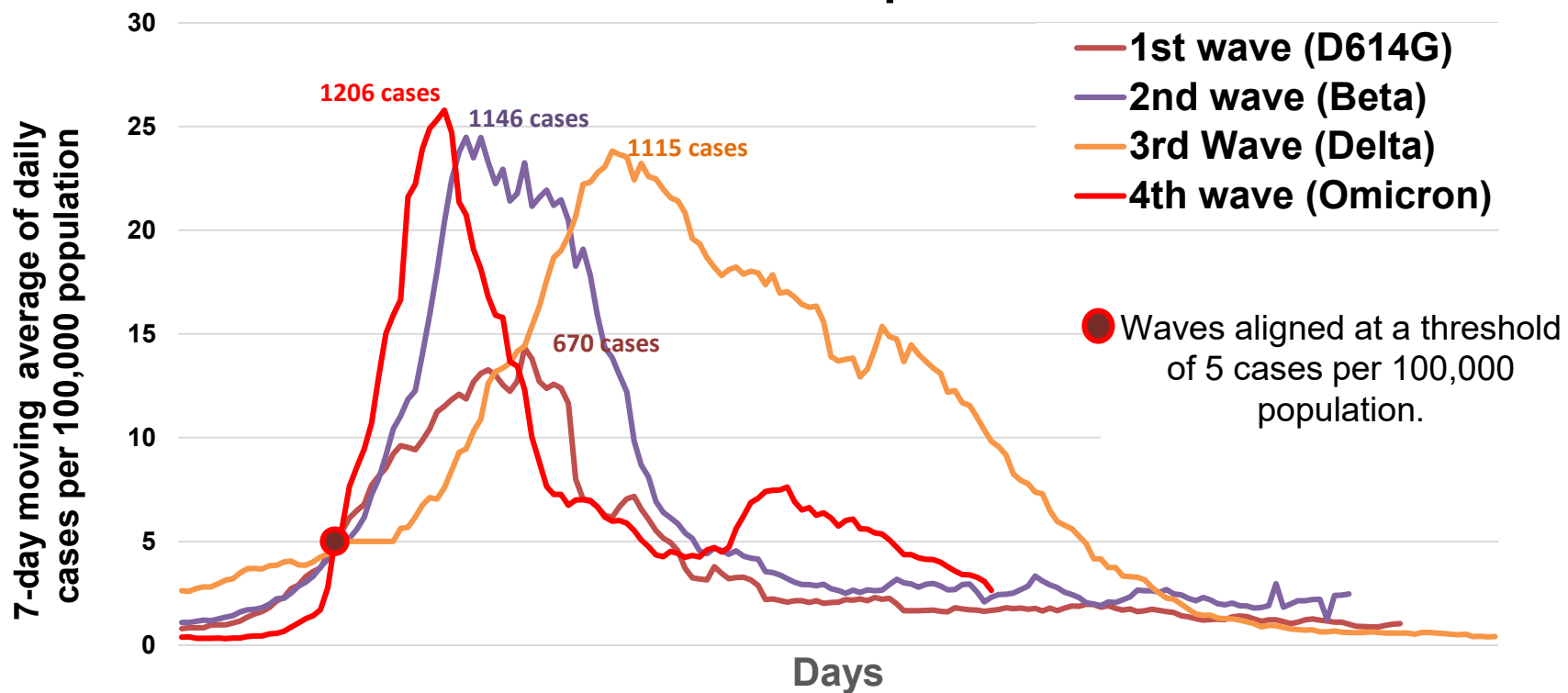
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Mpumalanga

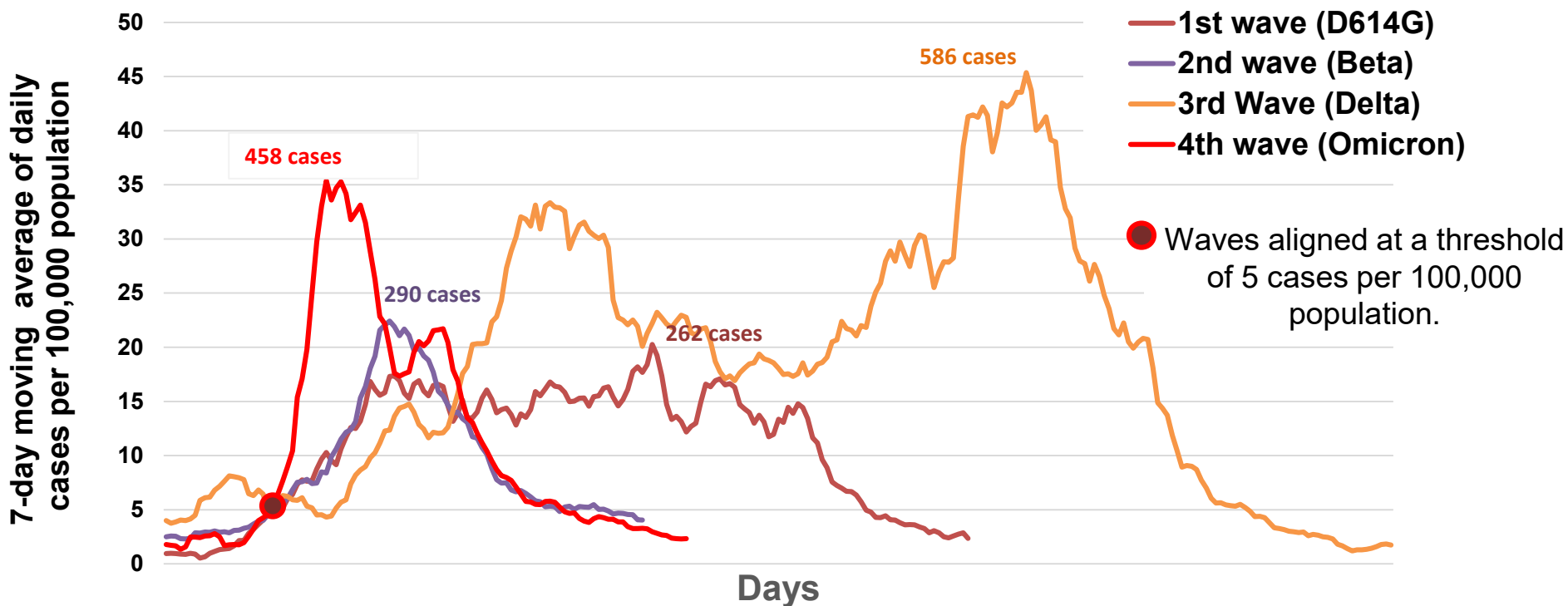
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Northern Cape

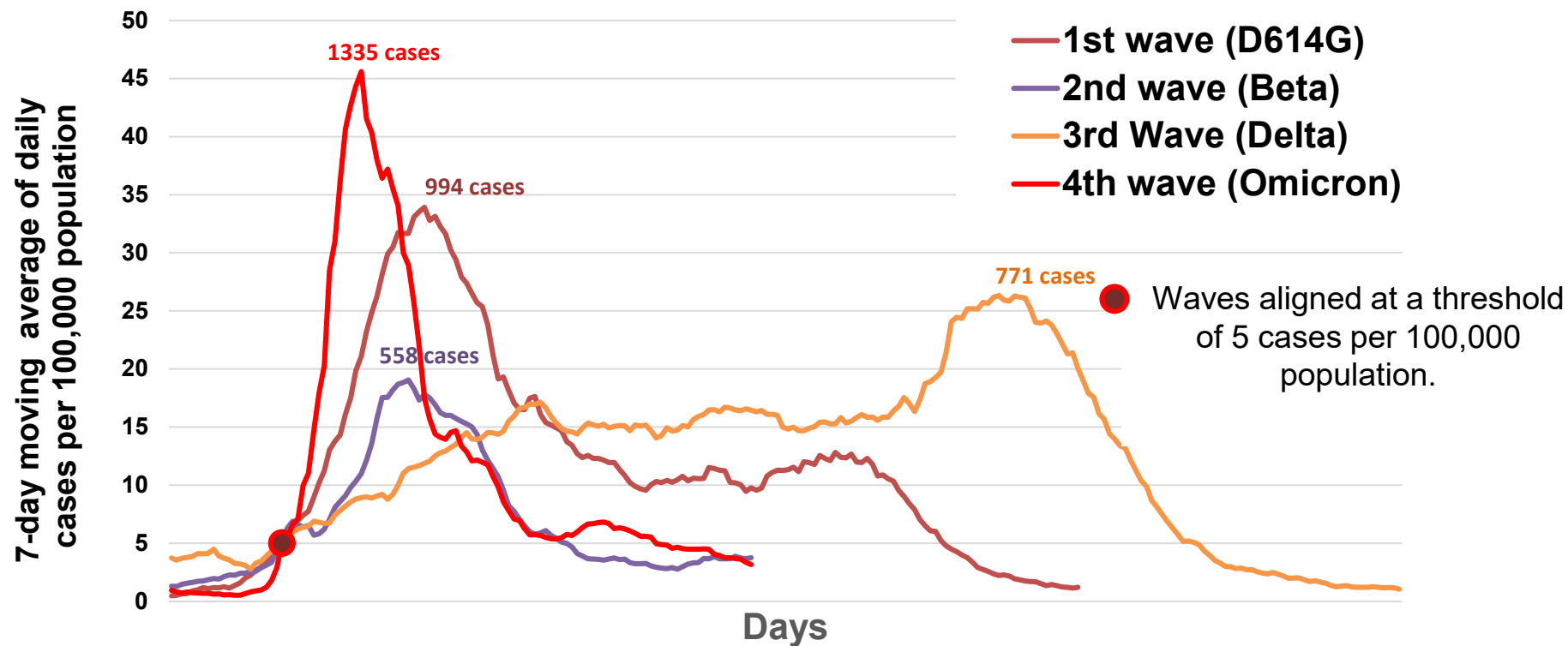
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Free State

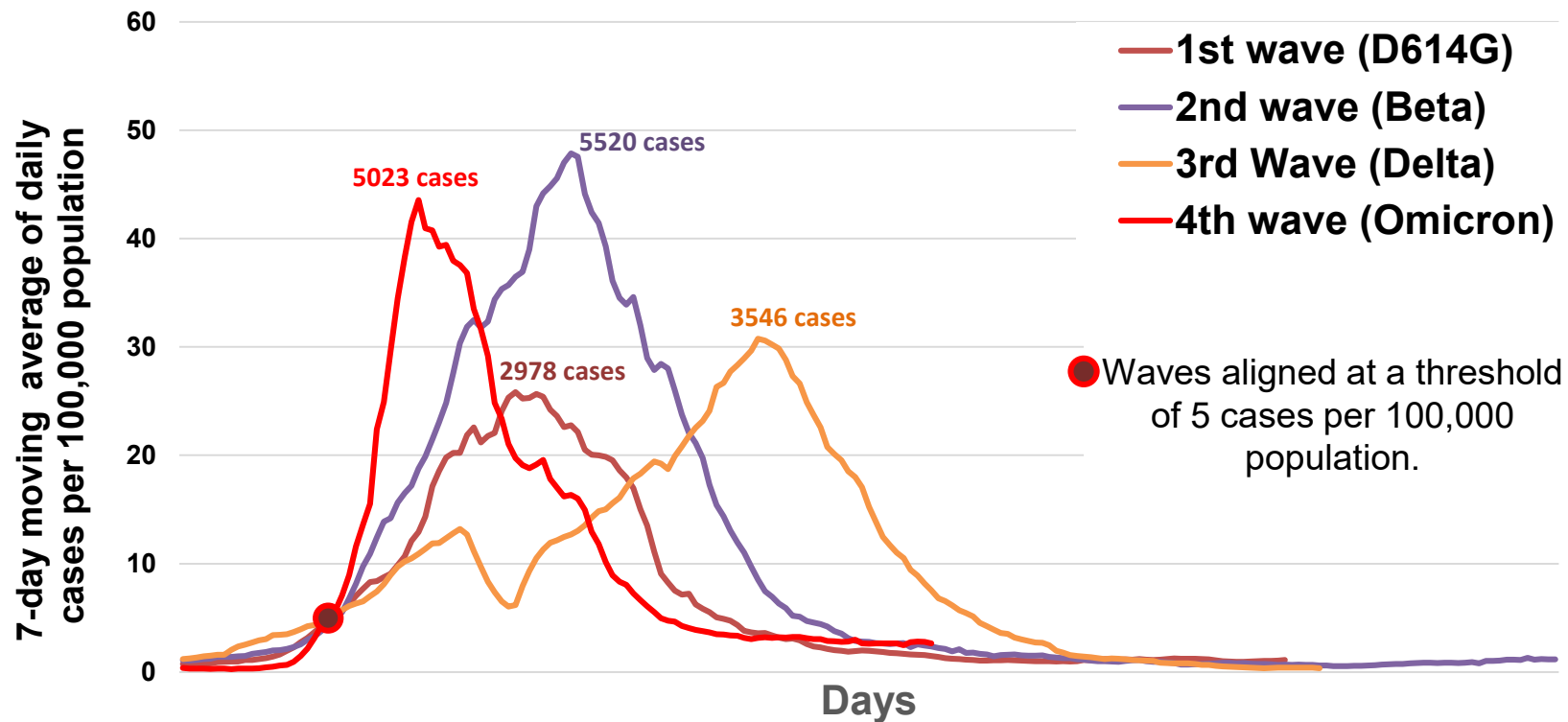
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: KwaZulu Natal

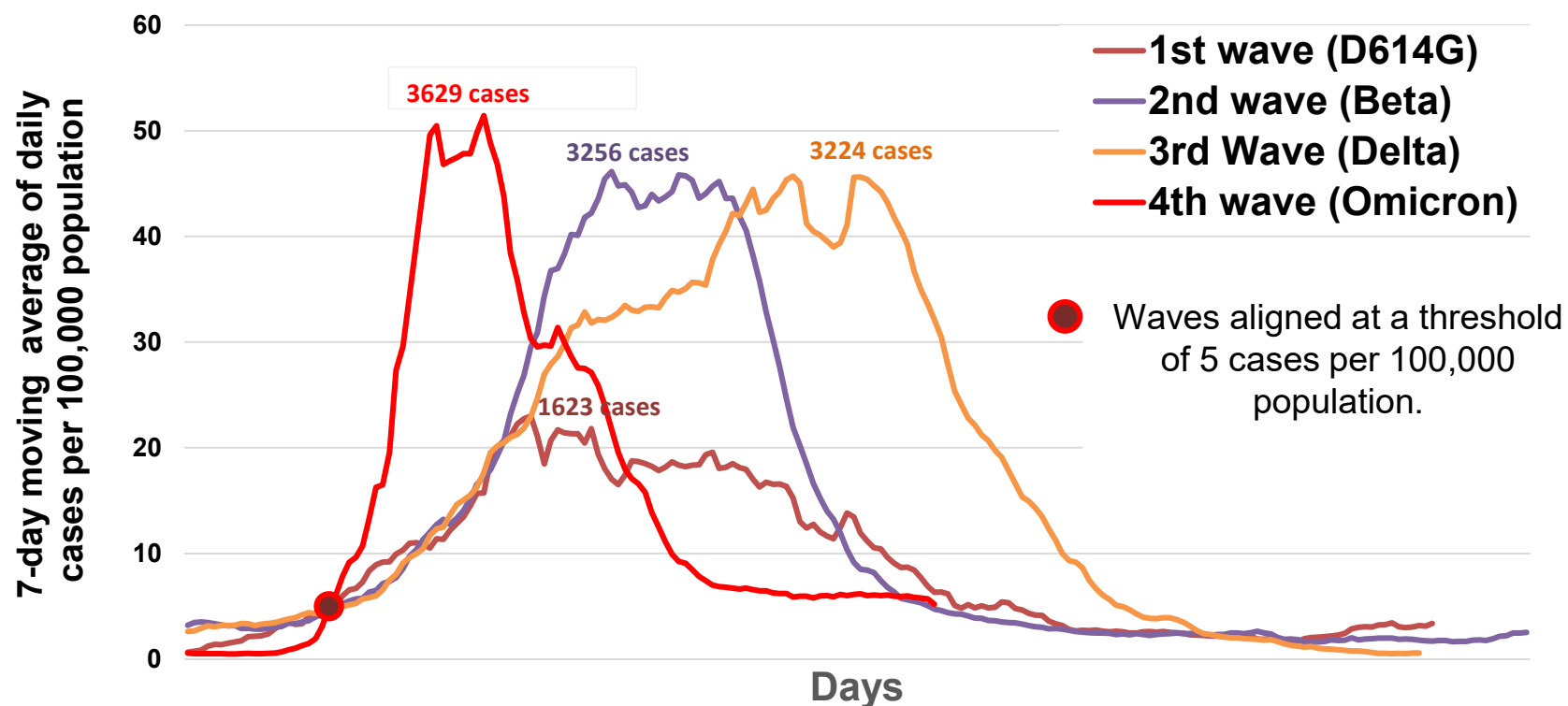
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Western Cape

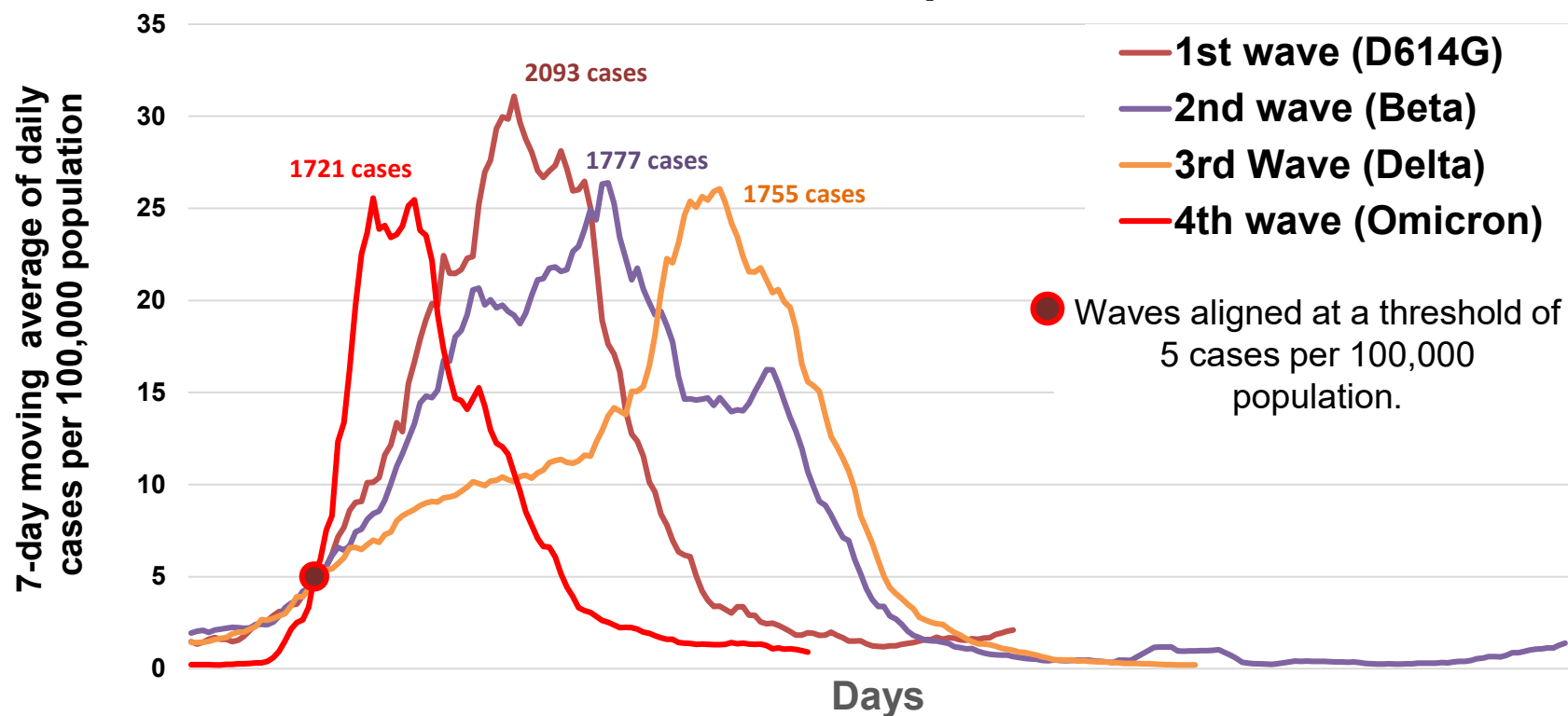
7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu

SARS-Cov-2 cases in 1st, 2nd & 3rd and 4th waves: Eastern Cape

7-day moving average cases per 100,000 population
up to - 02 March 2022



Data source: Department of Health; Analysis: Marothi Letsoalo; Ande Mchunu