

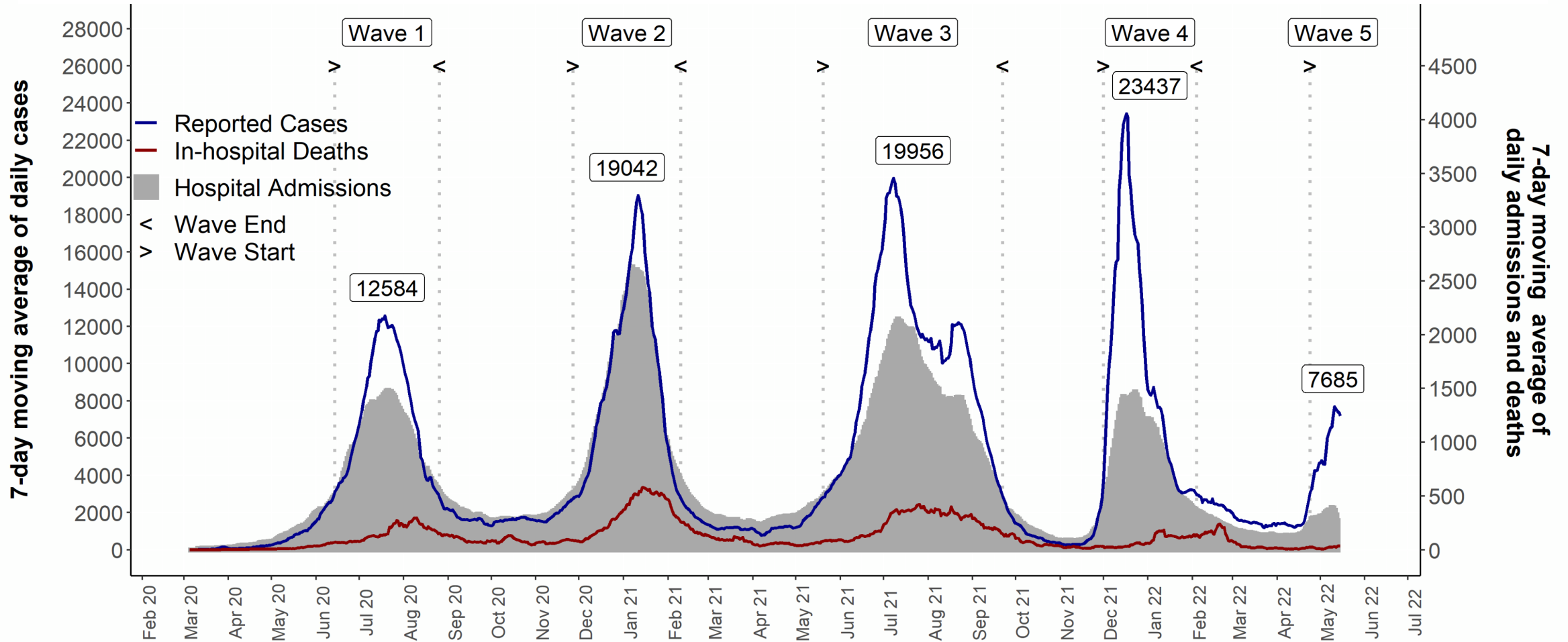


COVID-19 UPDATES

16 May 2022

Covid-19 in South Africa

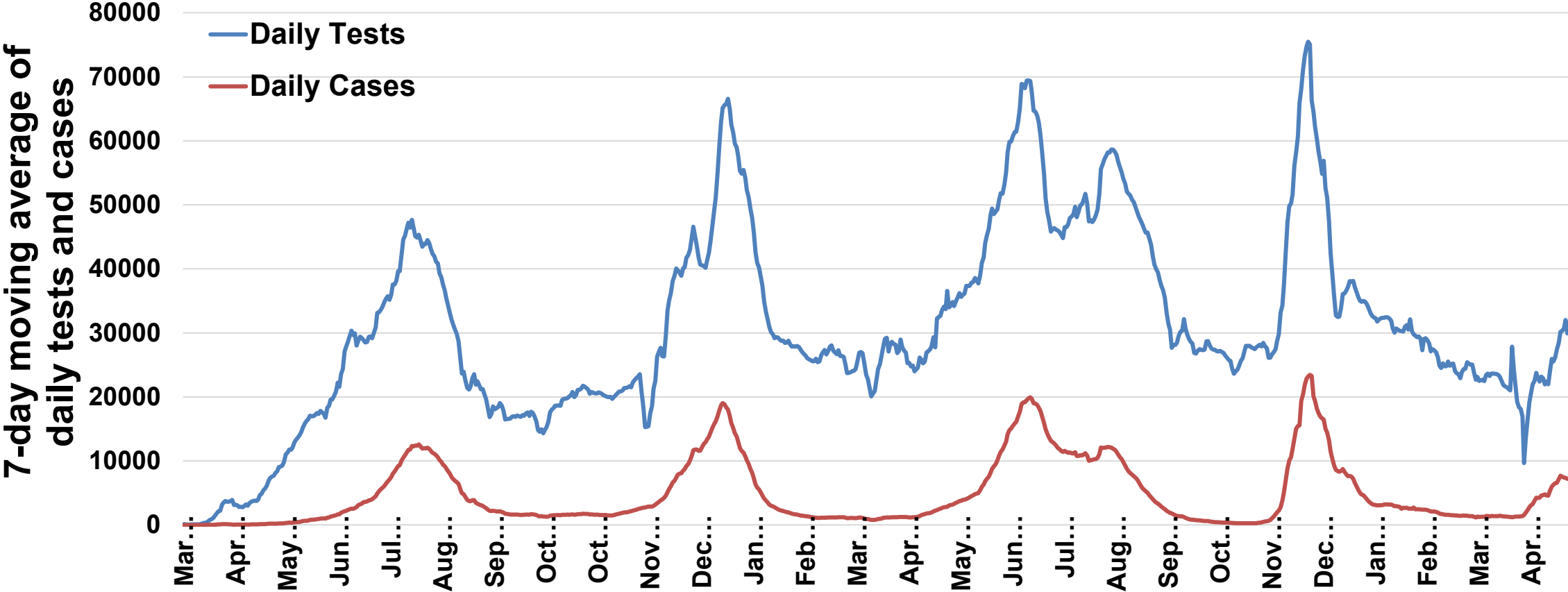
up to - 15 May 2022



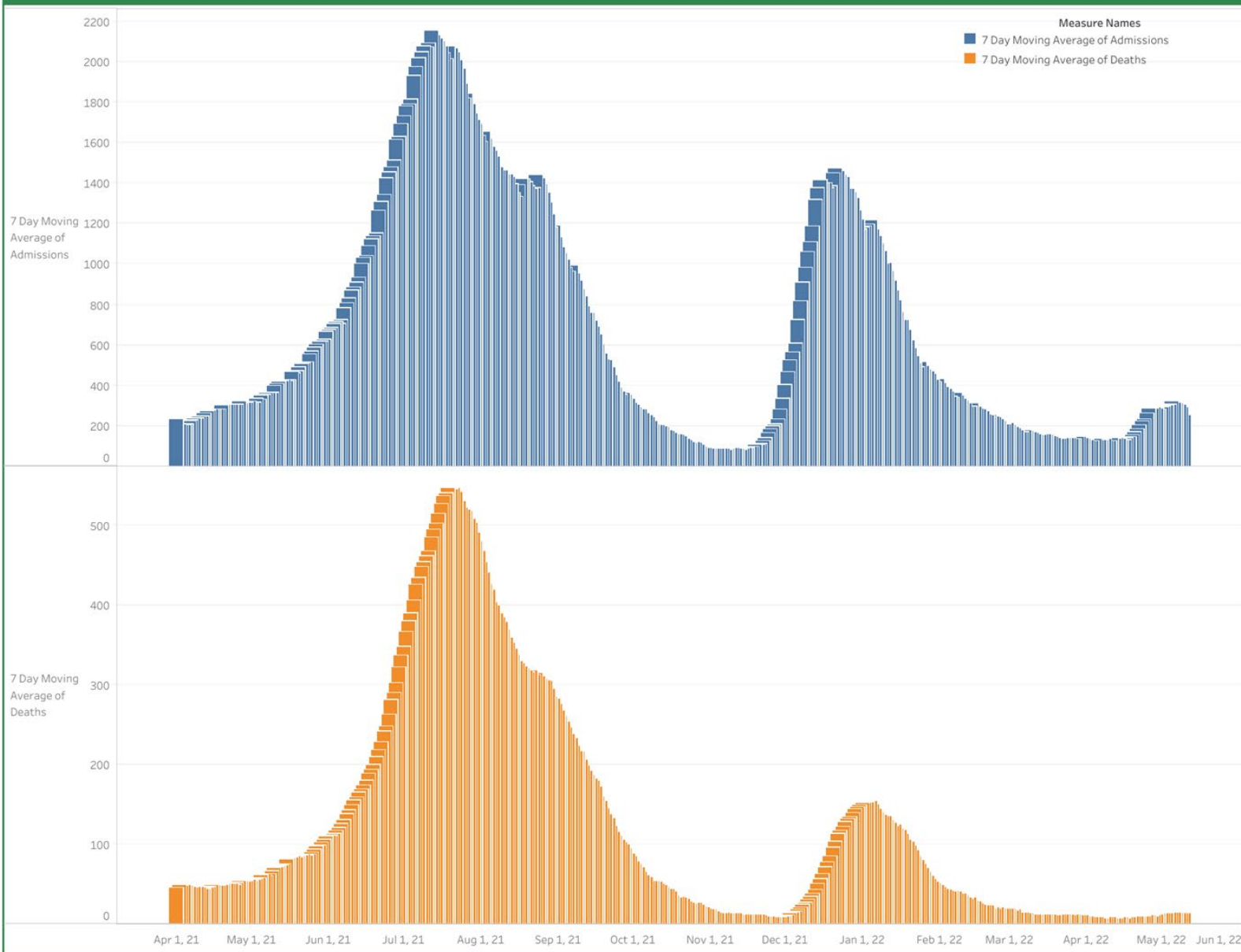
Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

Covid-19 tests and cases in South Africa

7-day moving average cases per 100,000 population



DATCOV Hospital Admissions and In-Hospital Deaths, 7-Day Moving Average - National

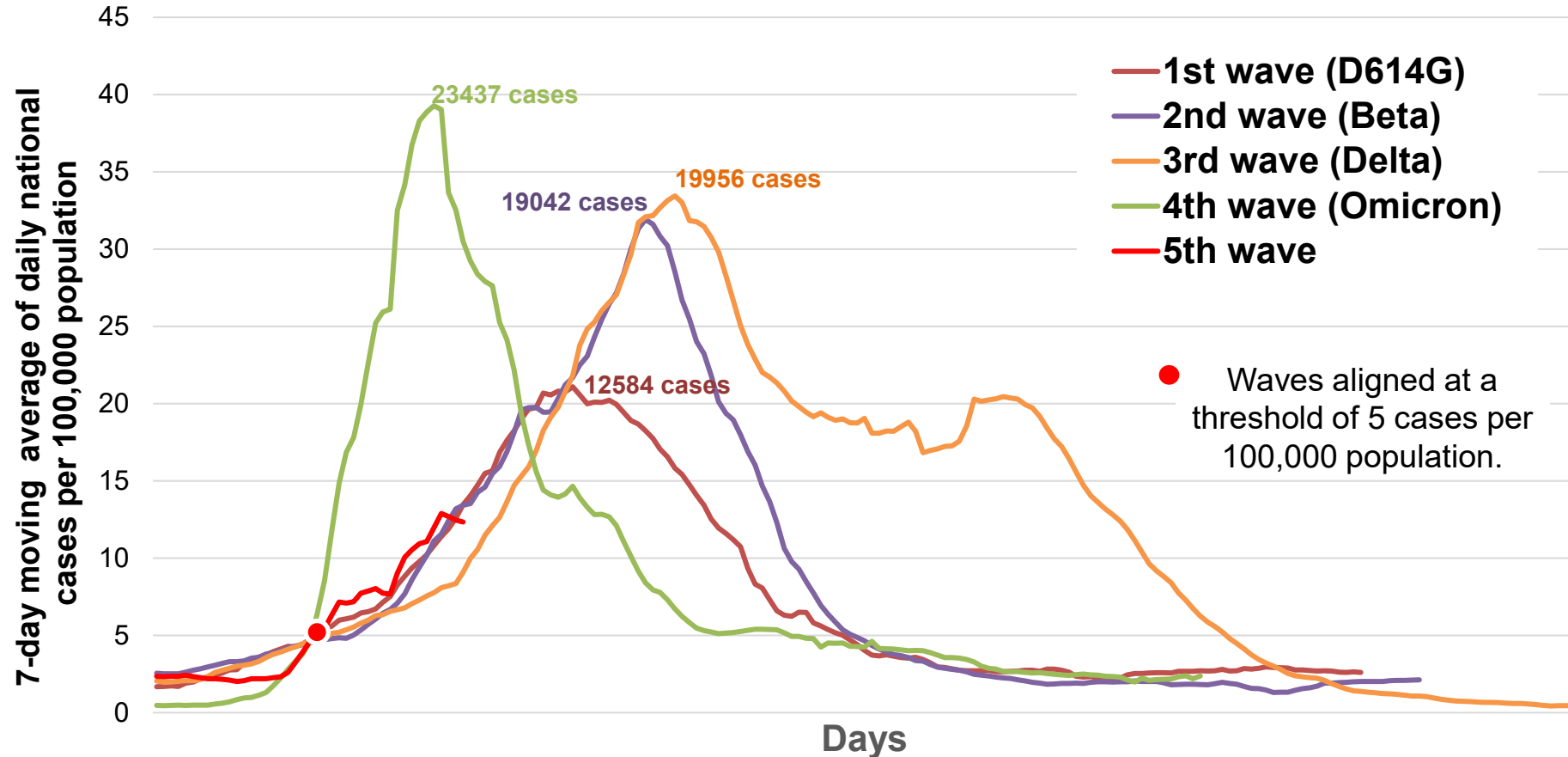


South Africa: National hospital admissions & in-hospital deaths

Data up to - 10 May 2022

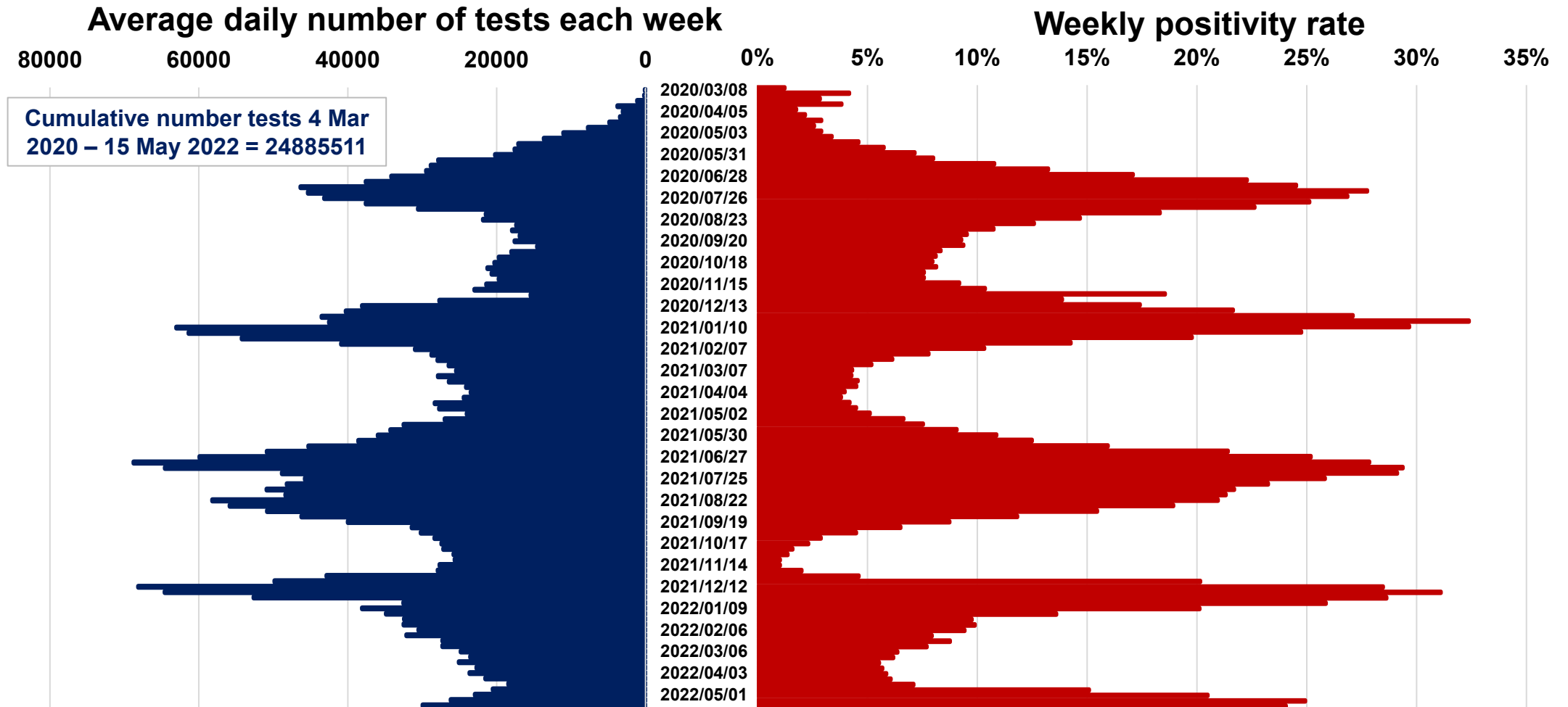
SARS-Cov-2 cases waves: South Africa

up to - 15 May 2022



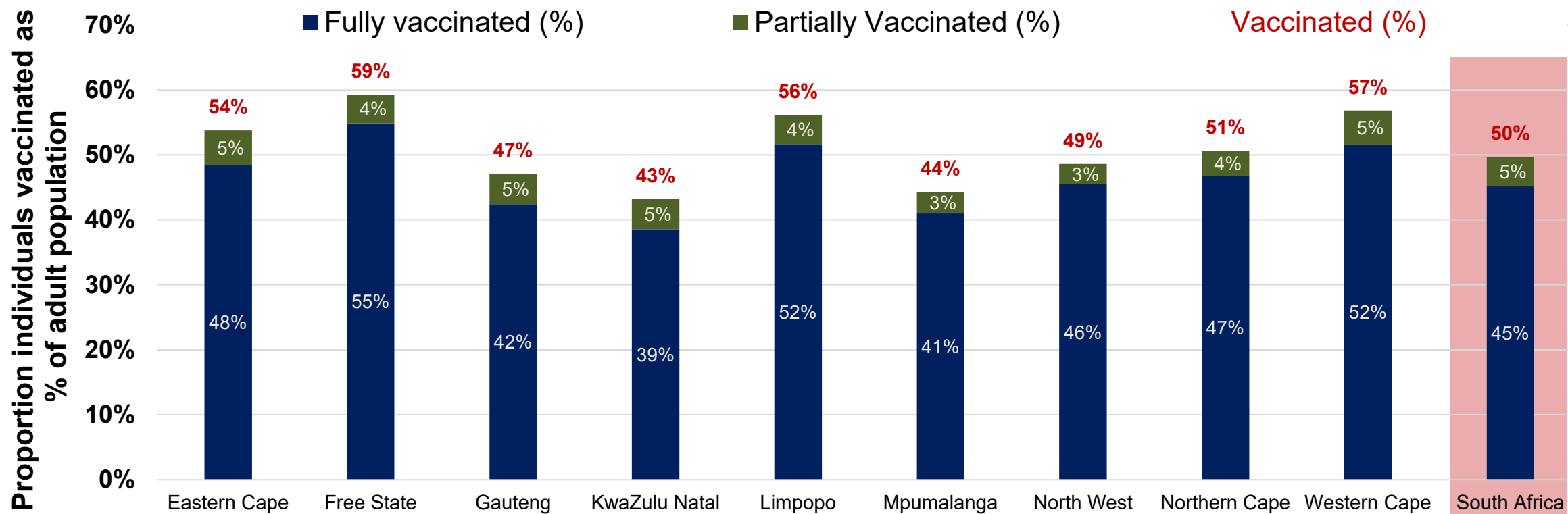
Average daily tests and proportion of positive tests

up to – 06 May 2022



Proportion of individuals vaccinated as % of adult population

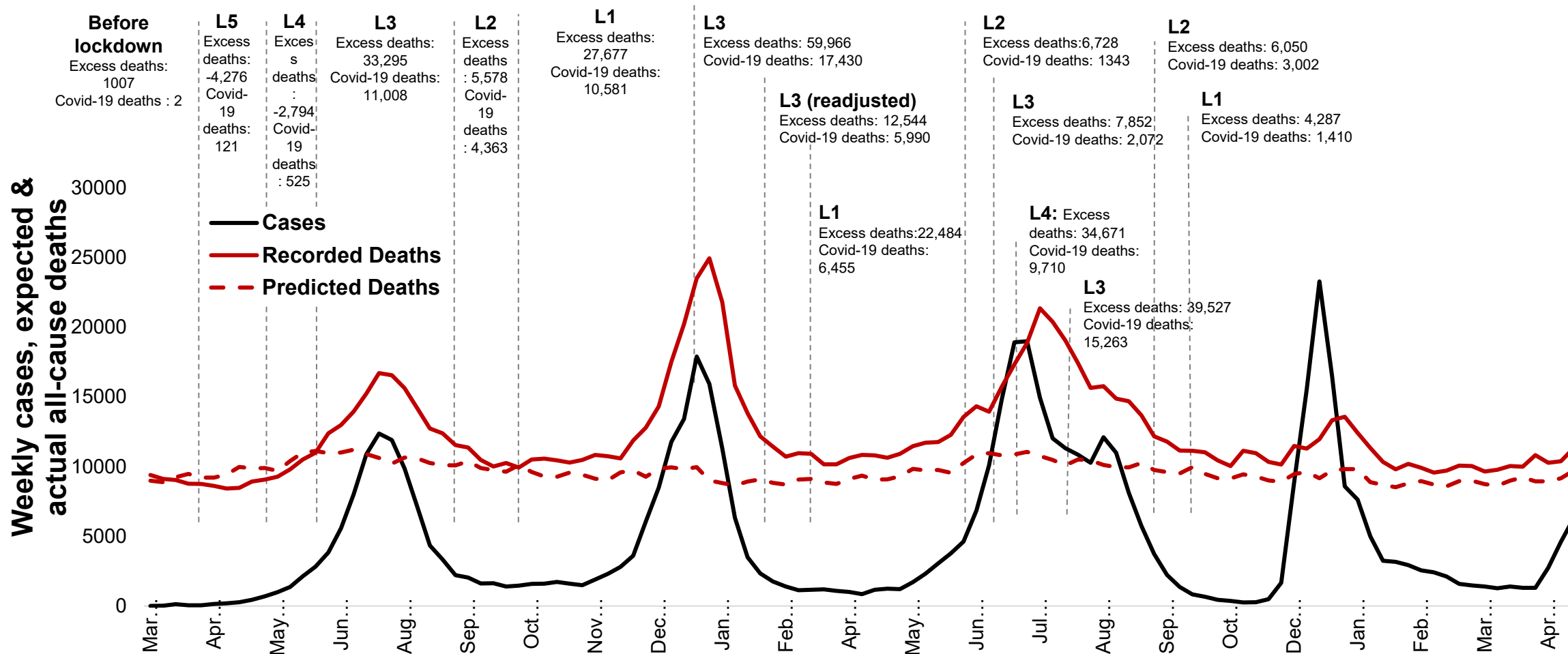
up to – 06 May 2022



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

Expected & actual all-cause deaths during Covid-19

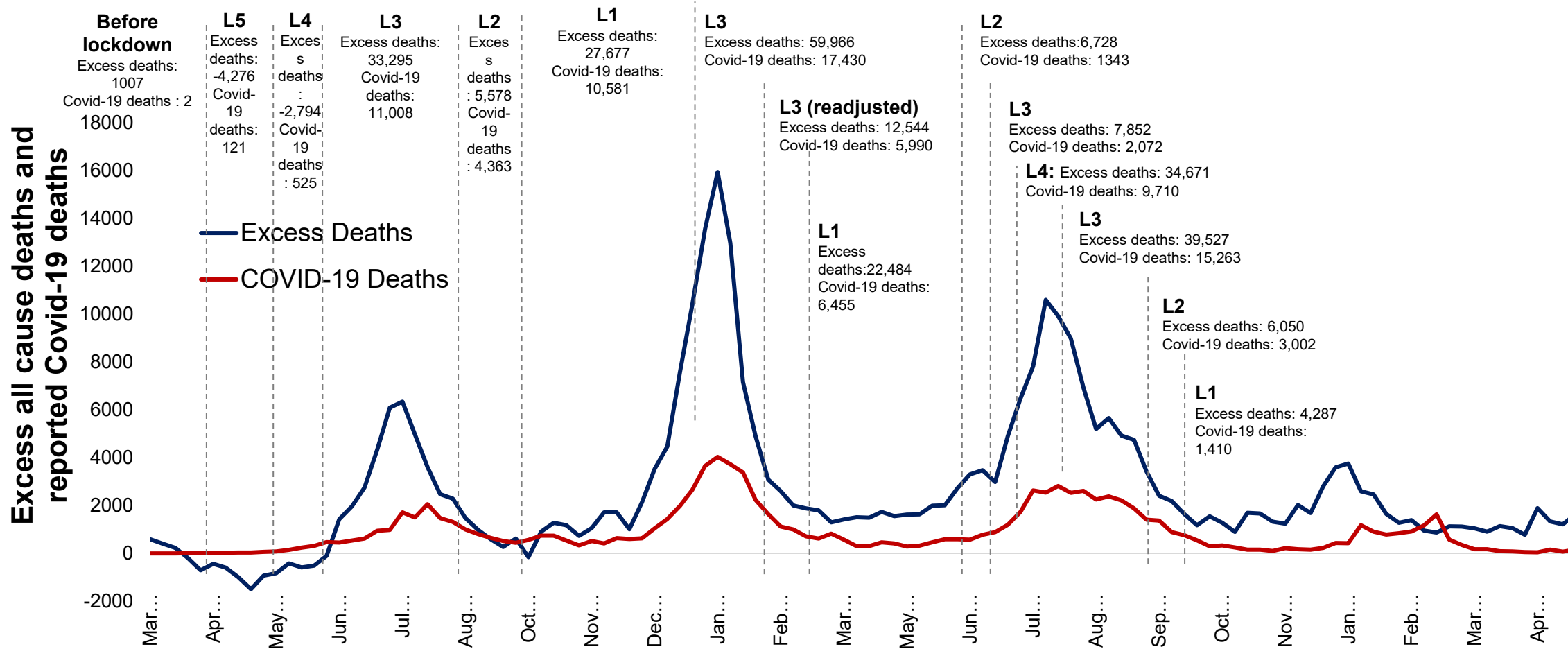
up to – 30 April 2022



Weekly excess all cause deaths & reported Covid-19 deaths

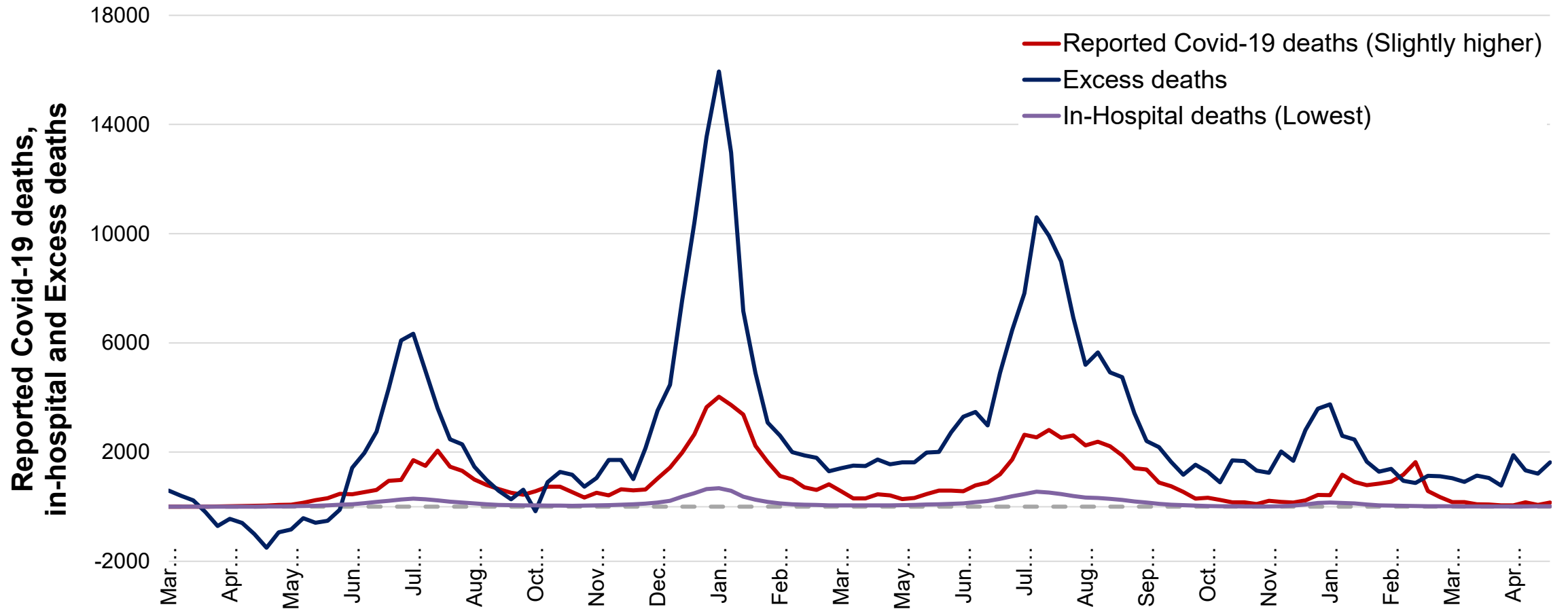
Covid-19 deaths

up to – 30 April 2022



Weekly In-hospital deaths, all reported Covid-19 deaths and excess deaths

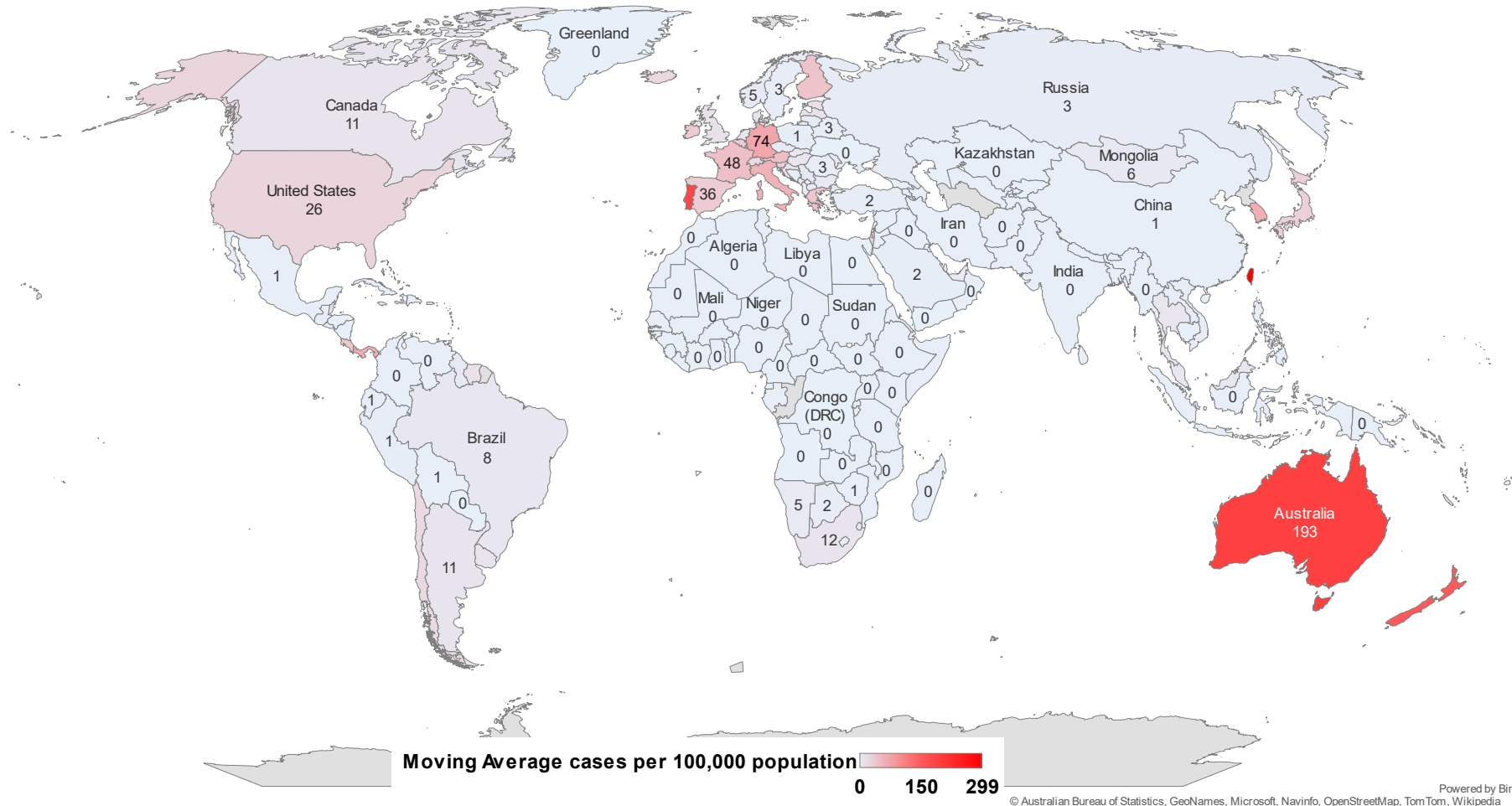
In-hospital deaths (lowest), all reported Covid-19 deaths (slightly higher), and excess deaths



Global epidemiology: Reported cases by country, region and the world

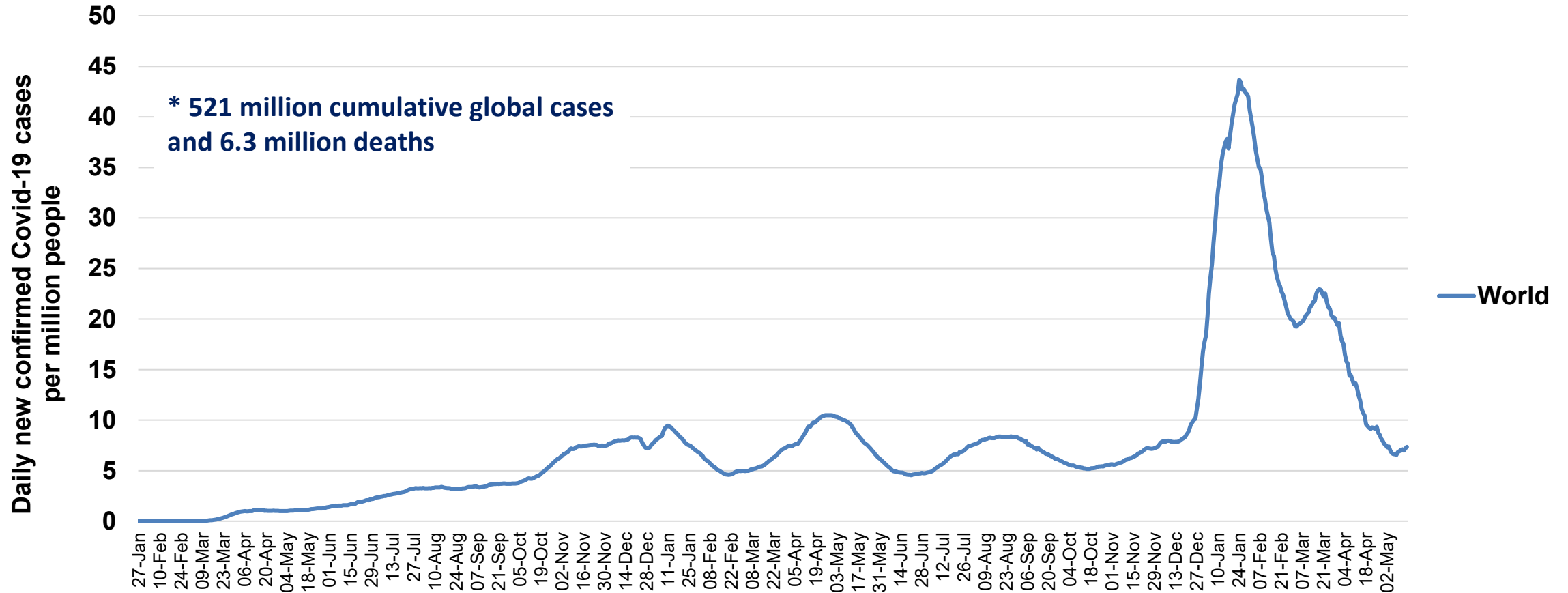
Global Covid-19 epidemic

7-day moving average cases per 100,000 population
up to - 15 May 2022



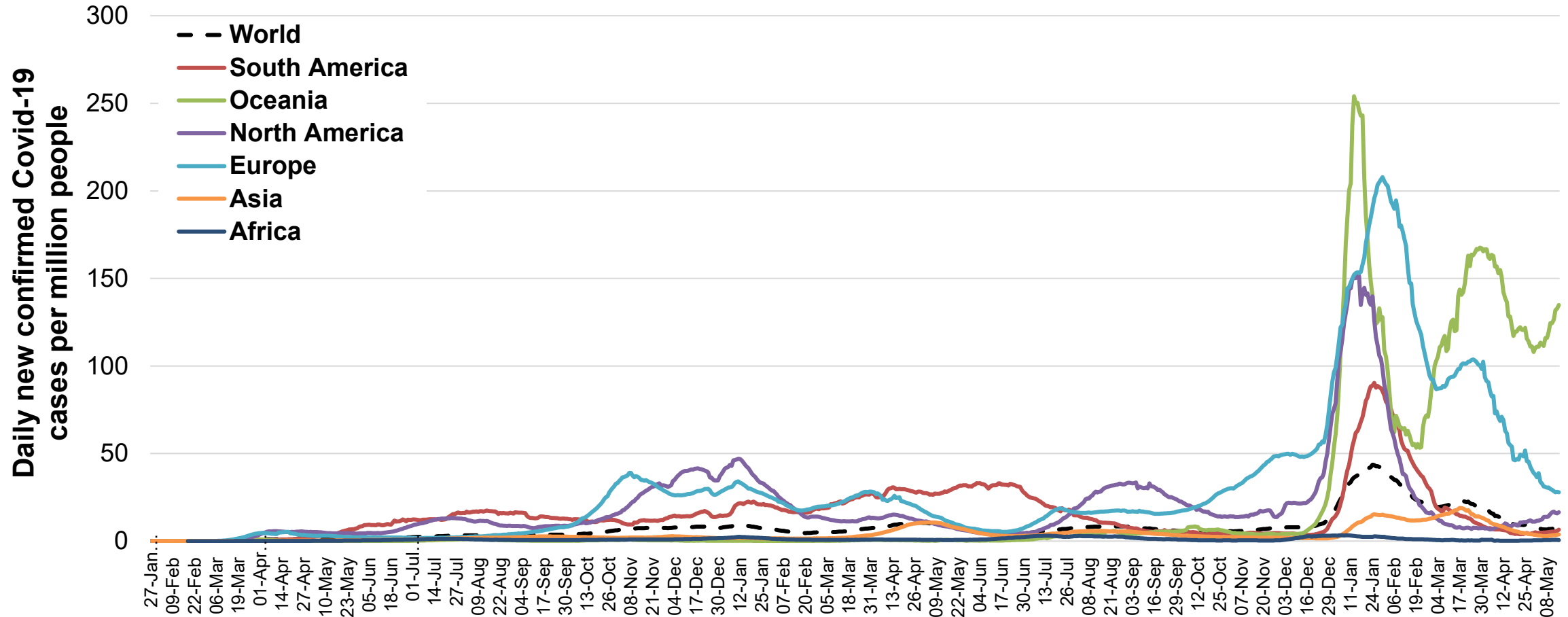
Global SARS-CoV-2 cases: Trends

up to - 15 May 2022



Cases stratified by continents showing the waves

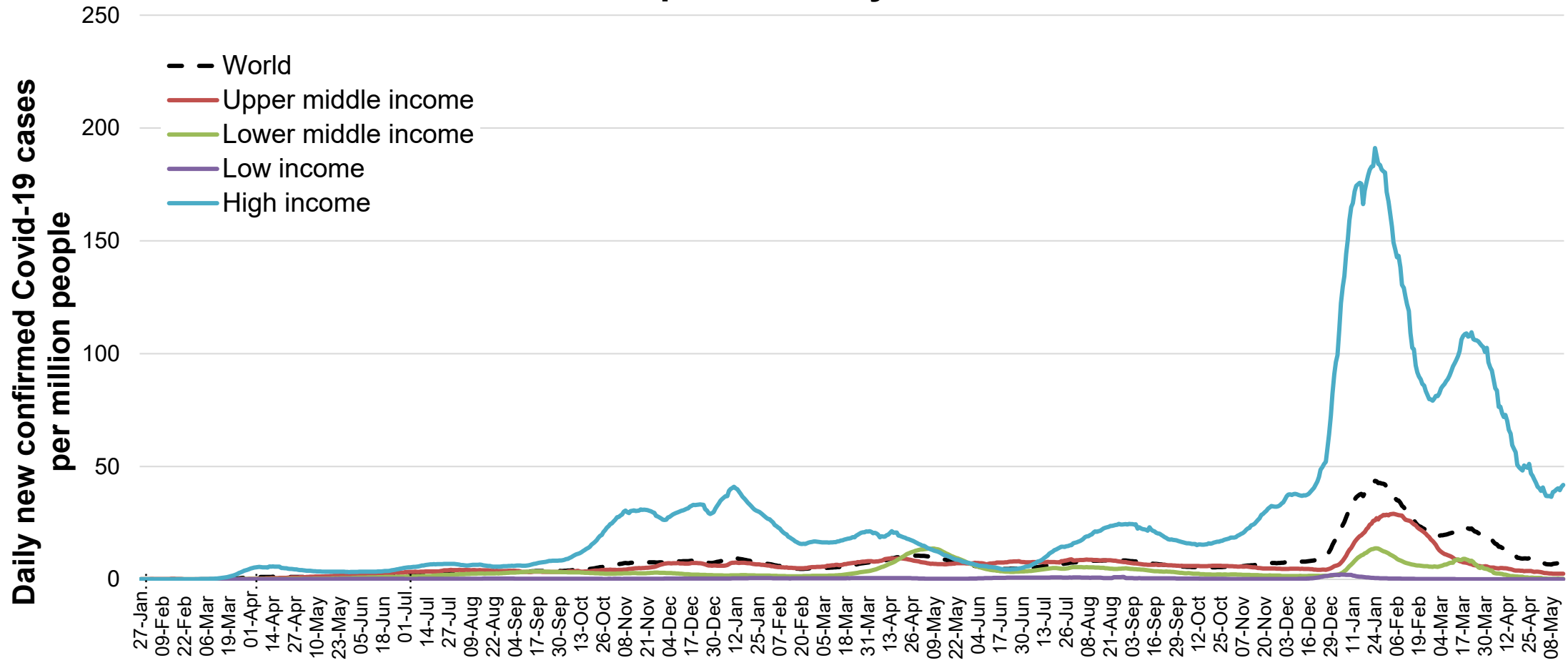
up to - 15 May 2022



Data Source: Our World in Data; NICD

Covid-19 cases stratified by country income level

up to - 15 May 2022



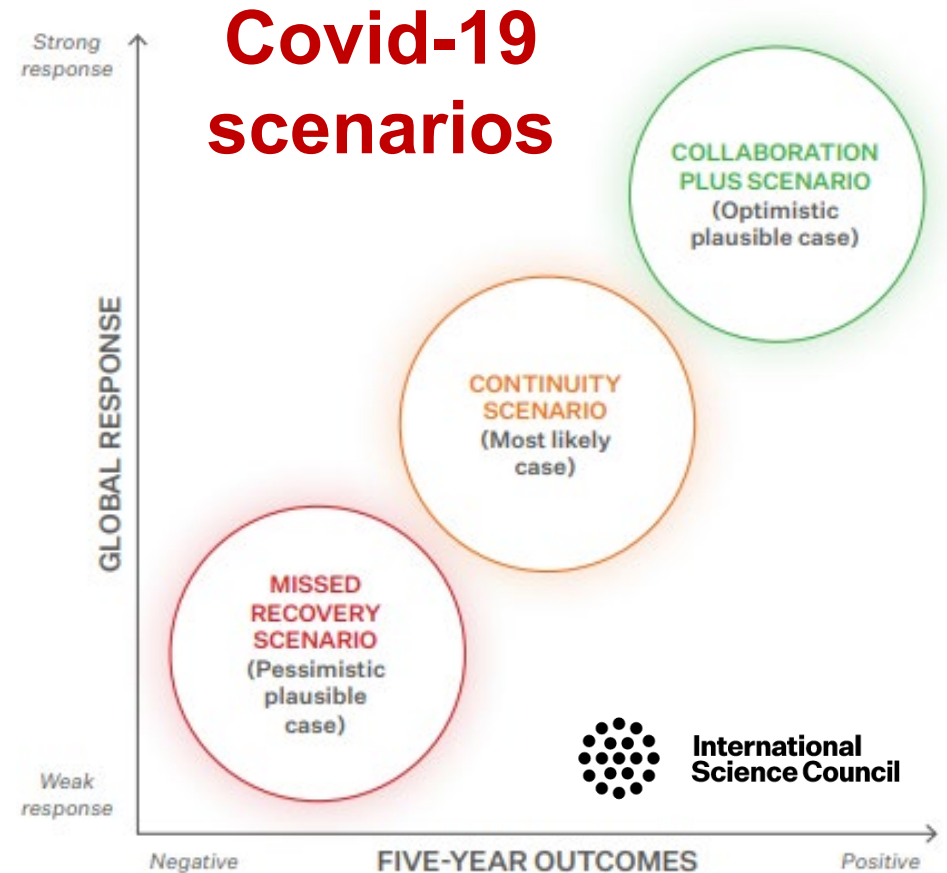
Data Source: Our World in Data; NICD

ISC Report on Covid-19

UNPRECEDENTED AND UNFINISHED:
COVID-19 and Implications for National and Global Policy

Recommendations

1. Global equity
2. Understanding risks
3. Trust and public mobilization
4. Science and science diplomacy
5. Capacity development for science advice
6. Multilateral system reform
7. Investing in learning



Pulse oximetry: Clinical trials overturn what we all thought was a good idea for patients



Pulse Oximetry for Monitoring Patients with Covid-19 at Home — A Pragmatic, Randomized Trial

Lee KC, Morgan AU, Chaiyachati KH, Asch DA, Xiong RA, Do D, Kilaru AS, Lam D, Parambath A, Friedman AB, Meisel ZF.

Outcome	Standard Program + Pulse Oximetry (N = 611)	Standard Program (N = 606)	Difference (95% CI)†
Primary outcome			
Days alive and out of the hospital	29.4±2.8	29.5±2.3	-0.1 (-0.4 to 0.2)
Hospitalization — no. of patients/total no. (%)	43/611 (7.0)	41/606 (6.8)	0.2 (-2.6 to 3.2)‡

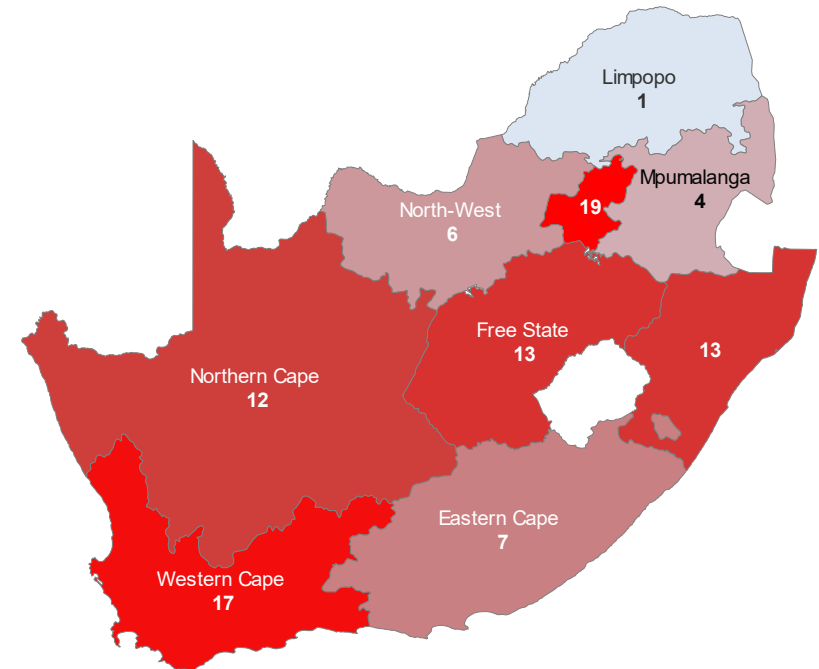
- **Randomized controlled trial**
- **1041 patients (606 Covid+) standard program group, and 1056 patients (611 Covid+) pulse oximetry group.**
- **Home pulse oximetry → no difference in hospitalization rates or clinical outcomes**

South Africa: Trends in reported provincial SARS-CoV-2 cases

Daily new cases over last 7 days per 100,000 pop

up to - 15 May 2022

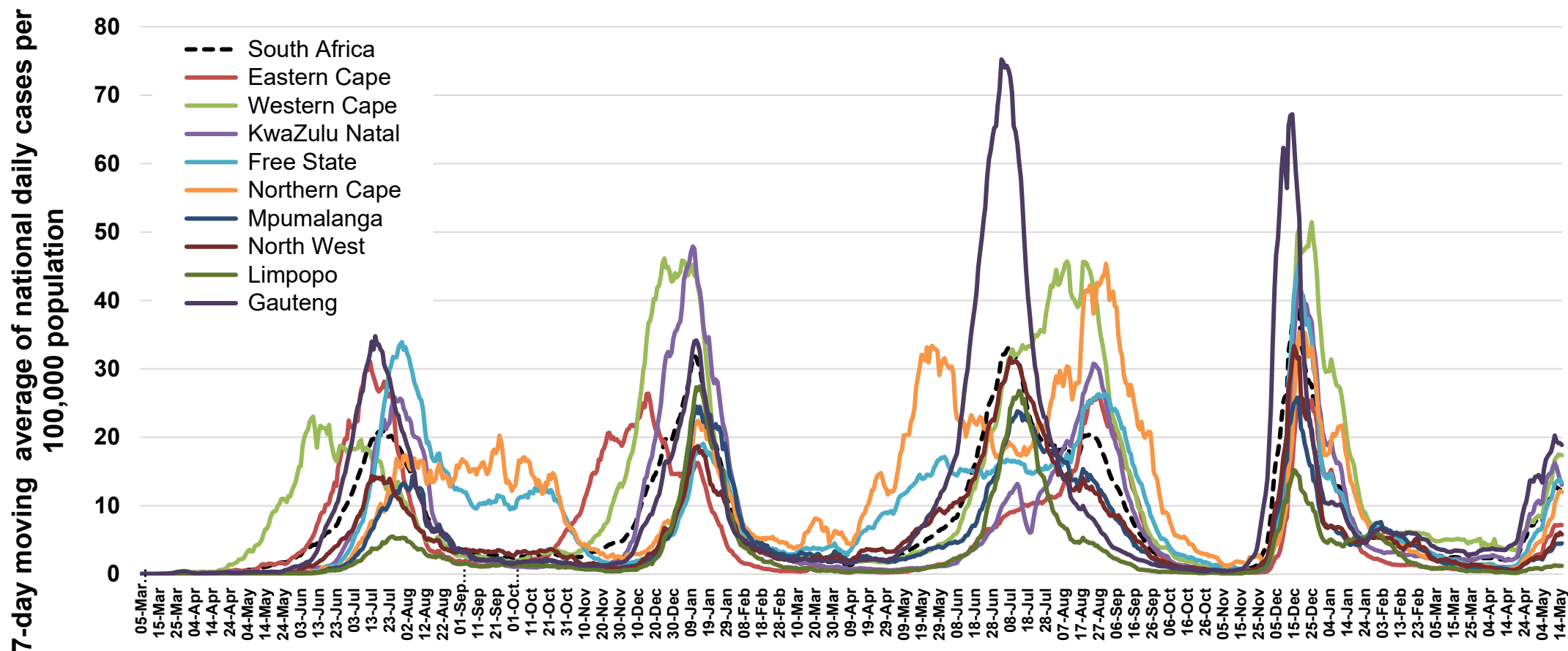
Province	Population per 100,000	7 Days Moving Average				Increase / Decrease
		at 7 days back	Per 100K at 7 days back	at a day back	100K at a day back	
Eastern Cape	67	182	3	336	5	84%
Free State	29	173	6	275	9	59%
Gauteng	155	2201	14	2589	17	18%
KwaZulu Natal	115	1170	10	1566	14	34%
Limpopo	59	50	1	60	1	21%
Mpumalanga	47	105	2	147	3	39%
North West	41	98	2	136	3	39%
Northern Cape	13	54	4	87	7	60%
Western Cape	71	572	8	802	11	40%
South Africa	597	4605	8	5997	10	30%
Africa	13410	5225	0	6991	1	34%
World	77952	599321	8	515924	7	-14%



7 days moving average per 100K population  1 10 19

Confirmed SARS-Cov-2 cases by province

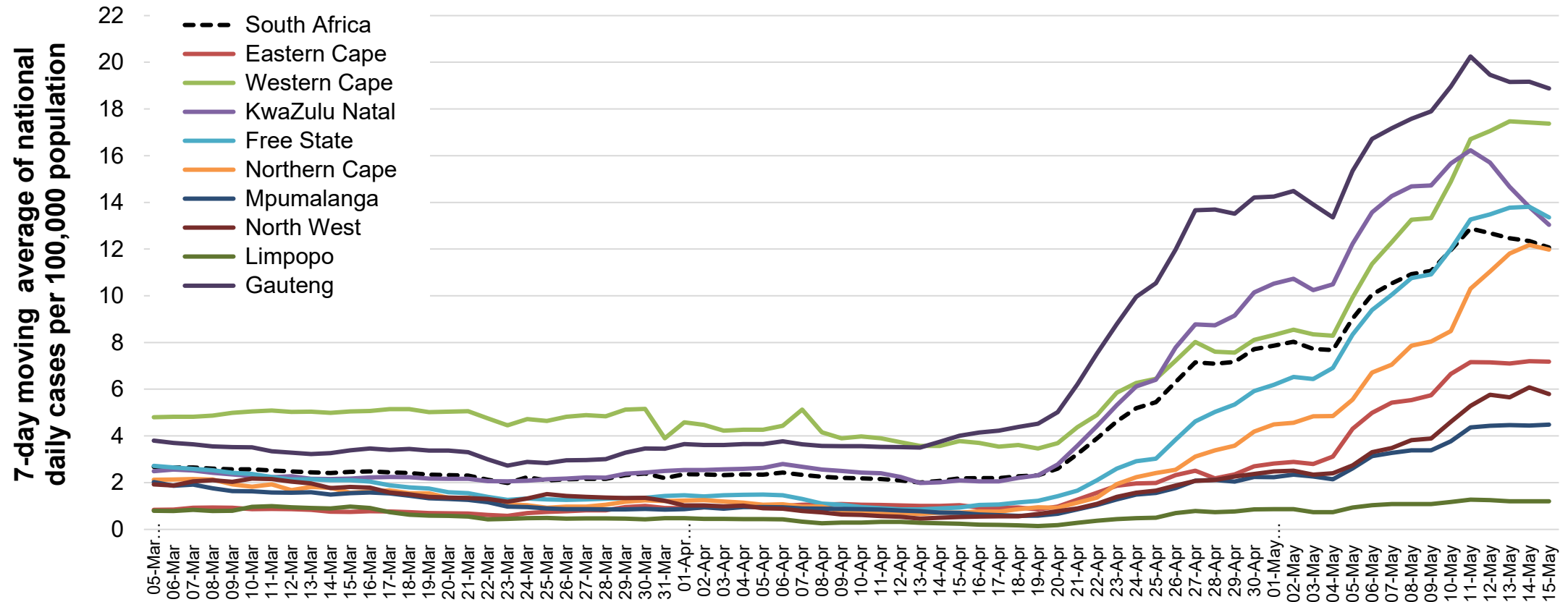
7-day moving average cases per 100,000 population
up to – 15 May 2022



Data source: Department of Health; Analysis

Confirmed SARS-Cov-2 cases by province

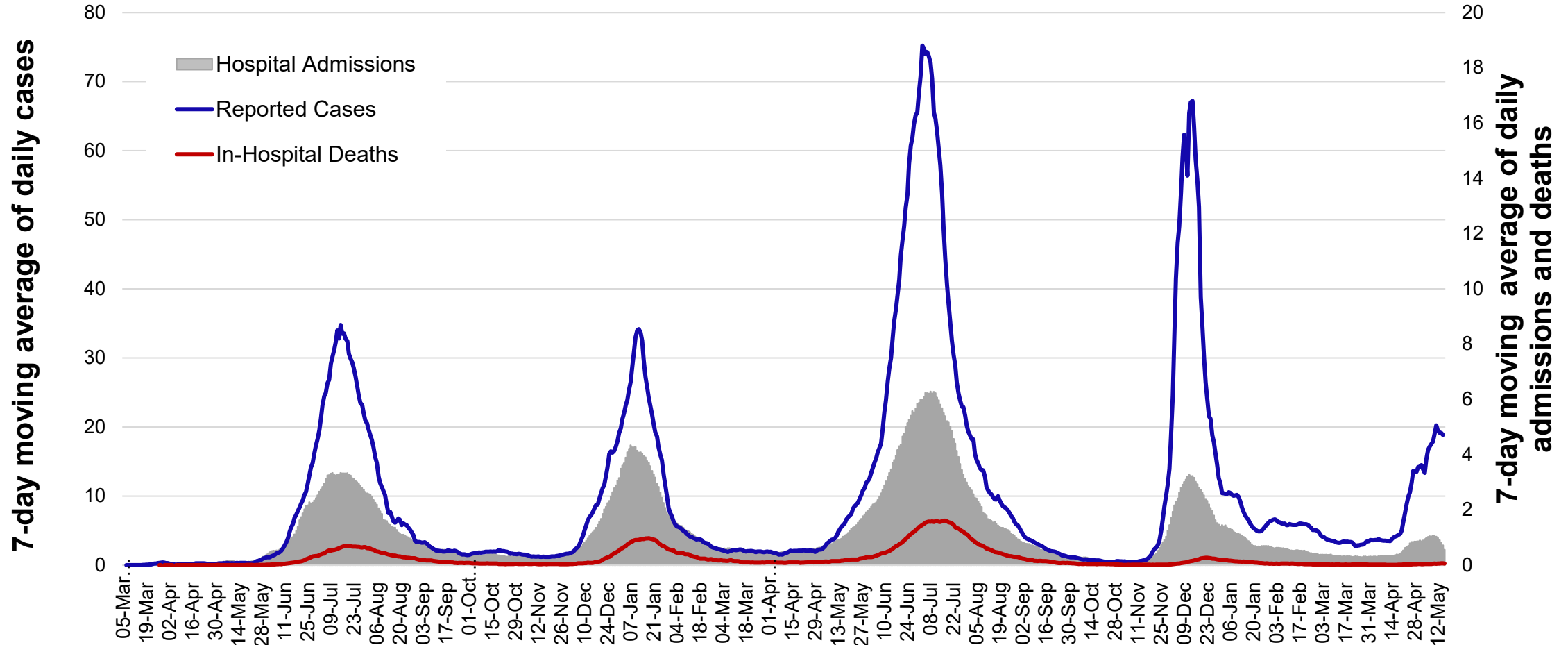
7-day moving average cases per 100,000 population
up to - 15 May 2022



Data source: Department of Health; Analysis

SARS-CoV-2 in Gauteng province

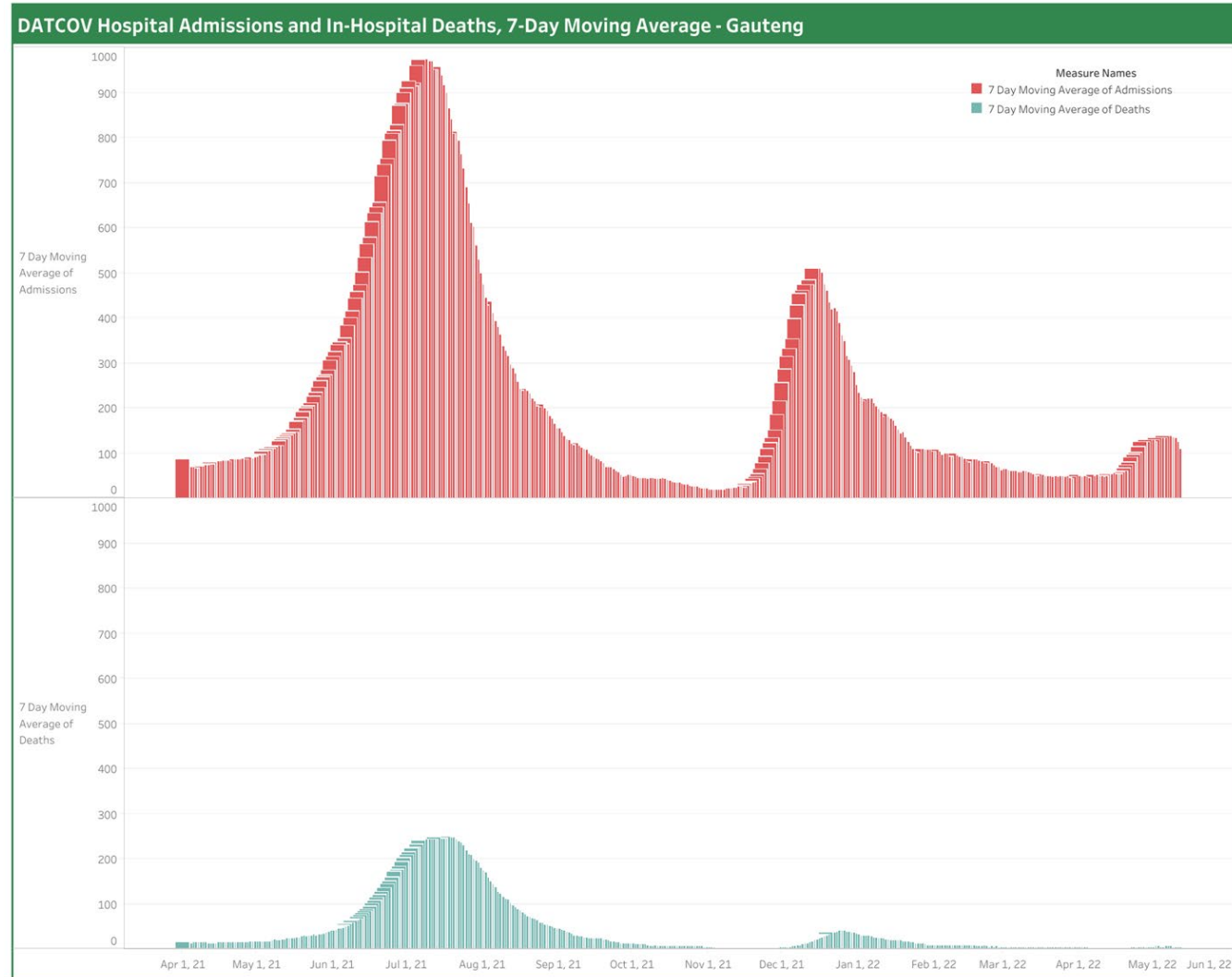
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths
up to - 15 May 2022



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

Gauteng Hospital Admissions & In-Hospital Deaths

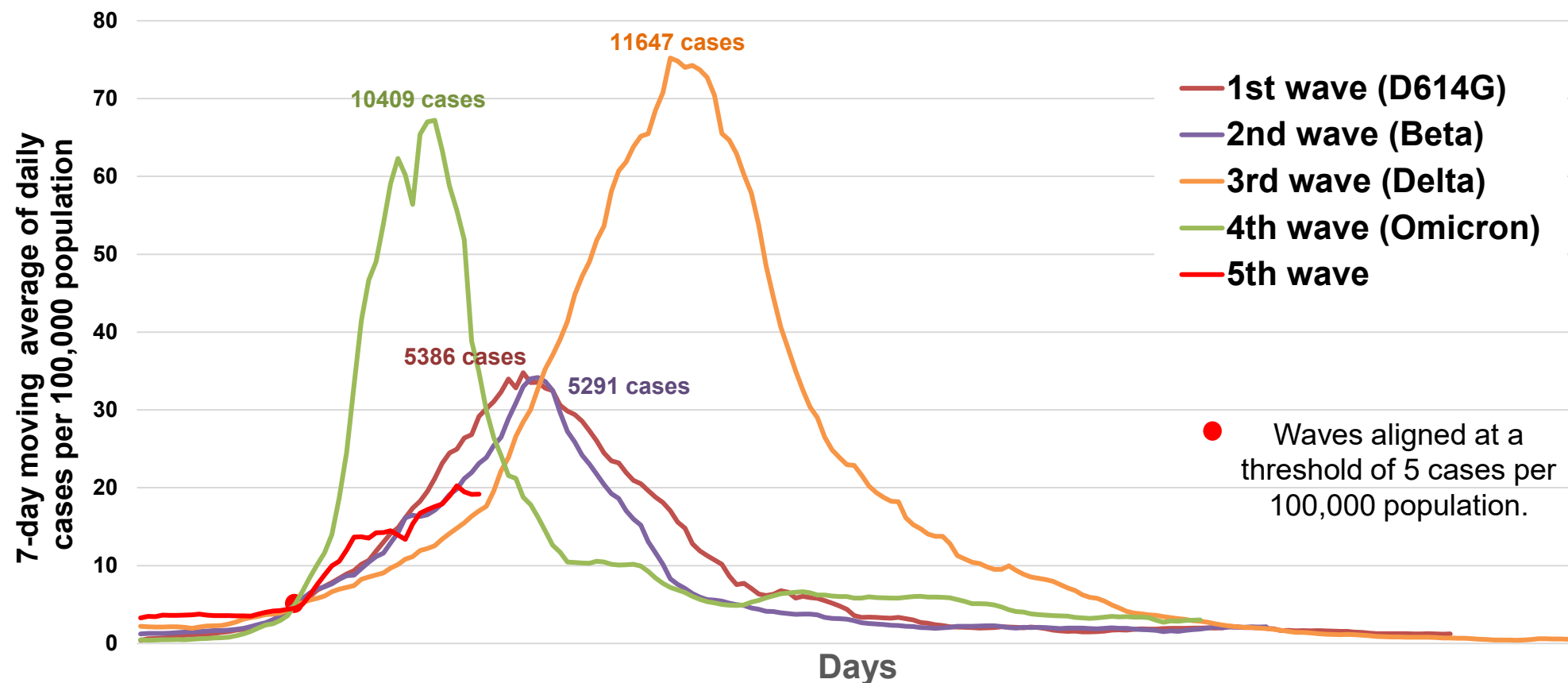
up to - 03 May 2022



SARS-CoV-2 cases in waves: Gauteng

7-day moving average cases per 100,000 population

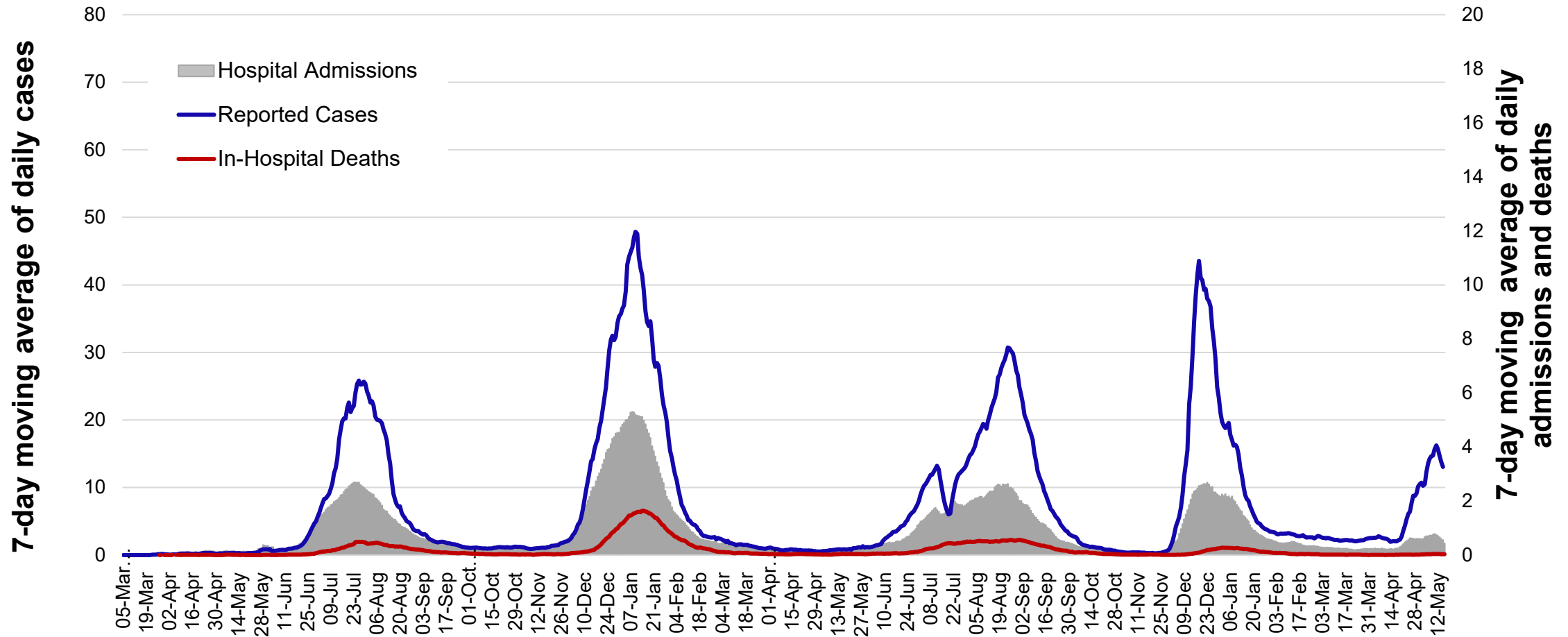
up to – 15 May 2022



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

SARS-CoV-2 cases in KwaZulu-Natal

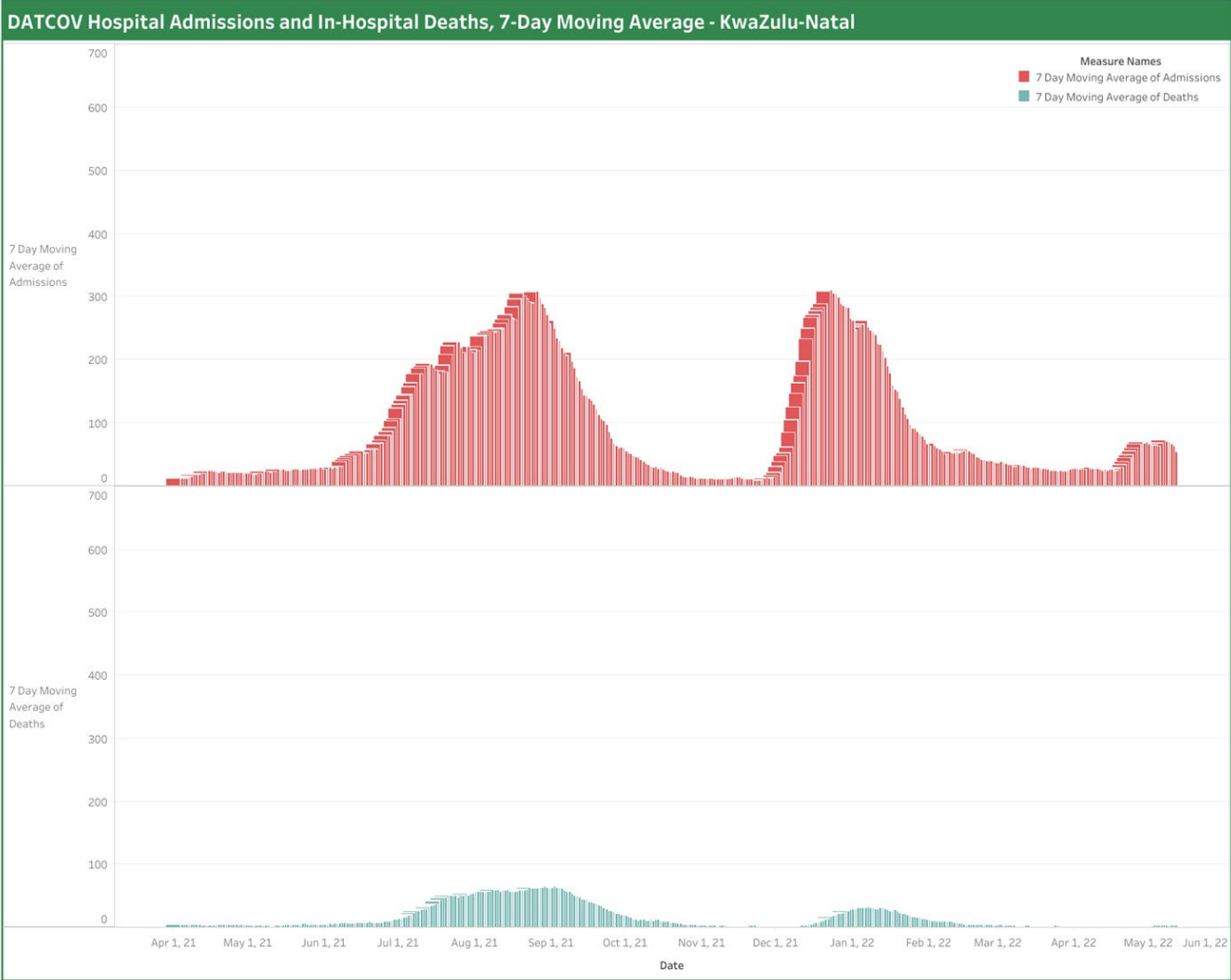
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022



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

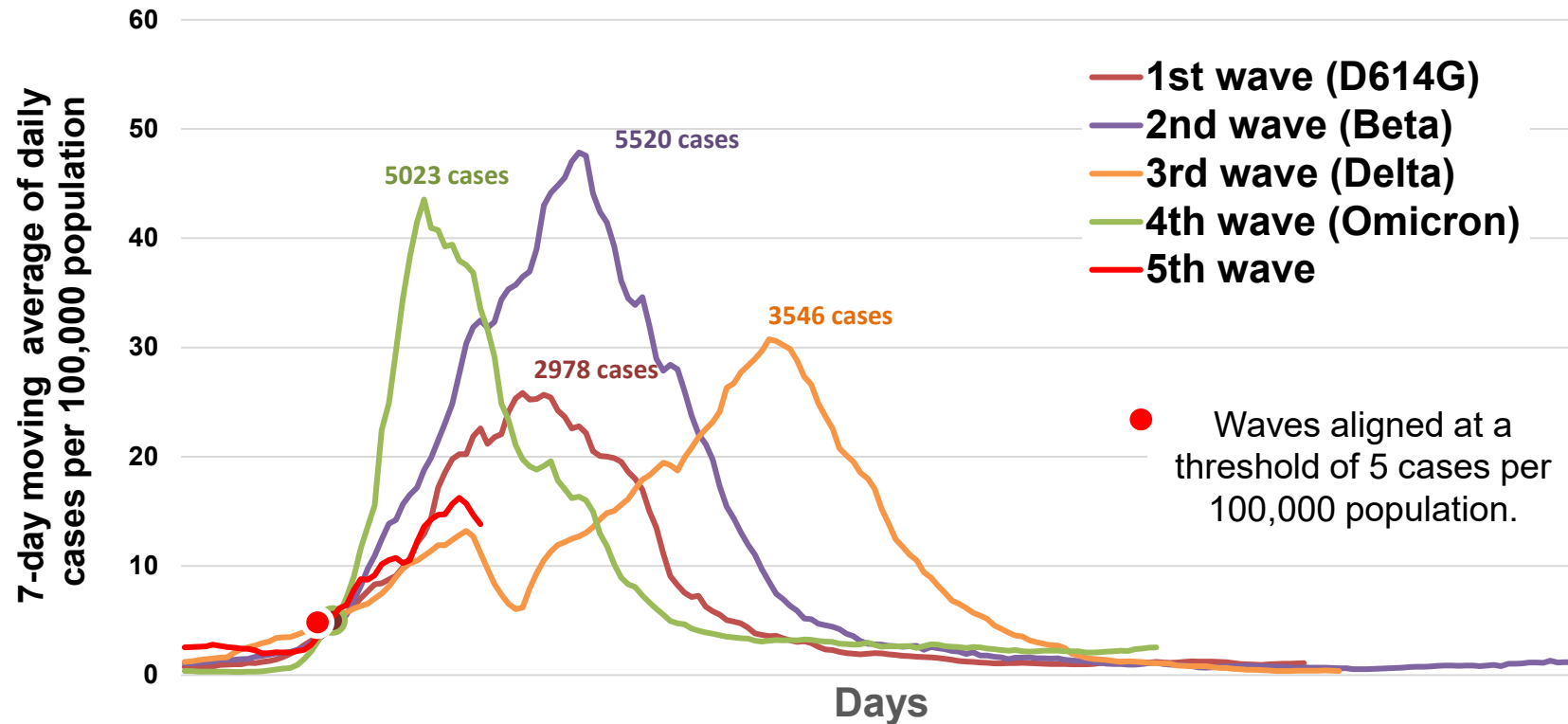
KwaZulu-Natal Hospital admissions & in-hospital deaths

up to - 03 May 2022



SARS-CoV-2 cases in waves: KwaZulu Natal

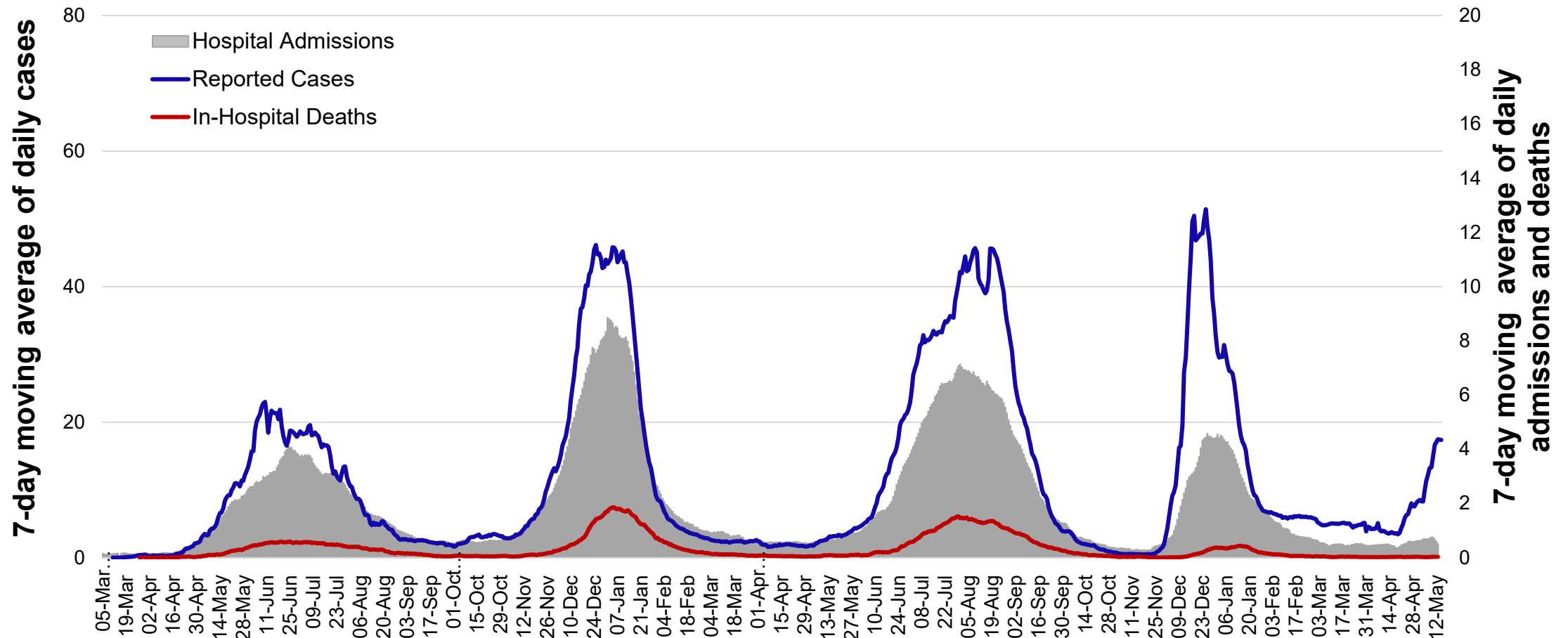
7-day moving average cases per 100,000 population
up to – 15 May 2022



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

SARS-CoV-2 cases in Western Cape

7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022

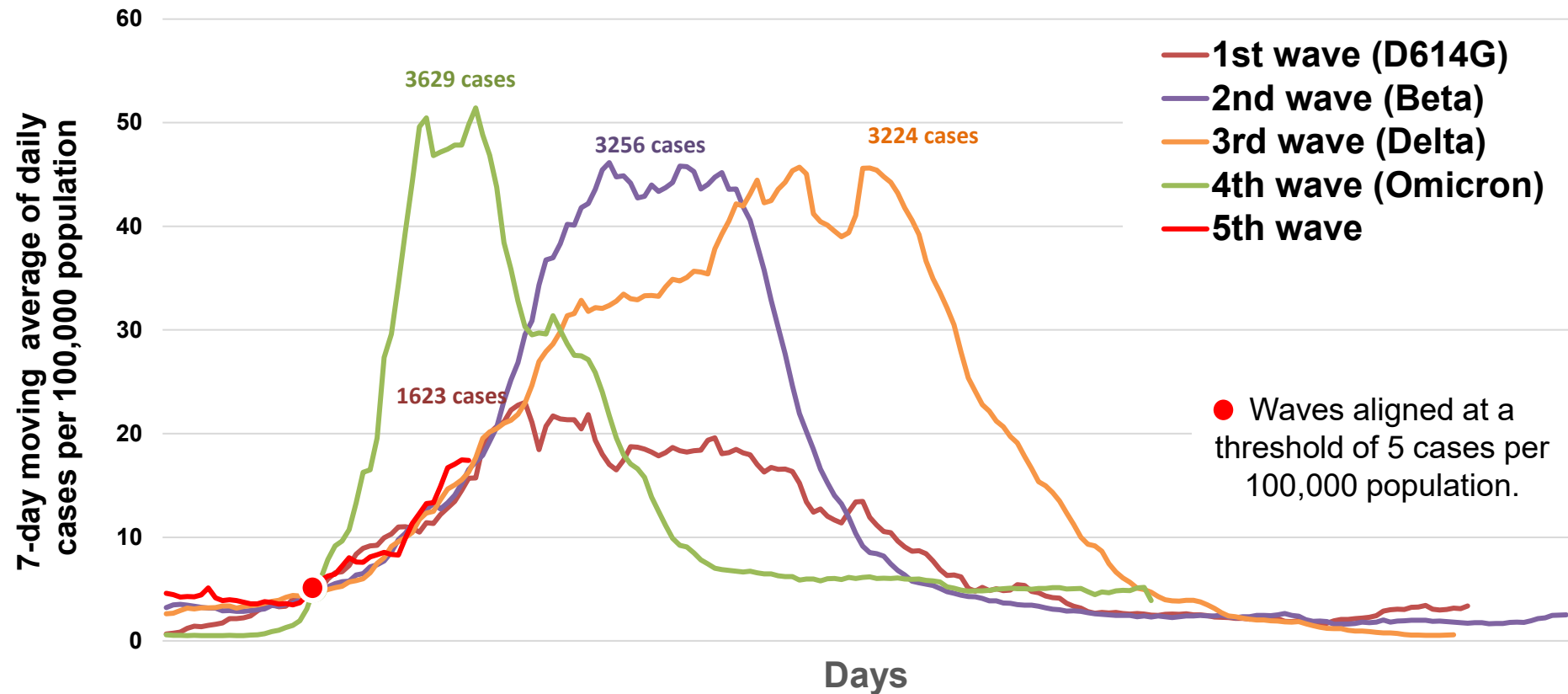


Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

SARS-CoV-2 cases in waves: Western Cape

7-day moving average cases per 100,000 population

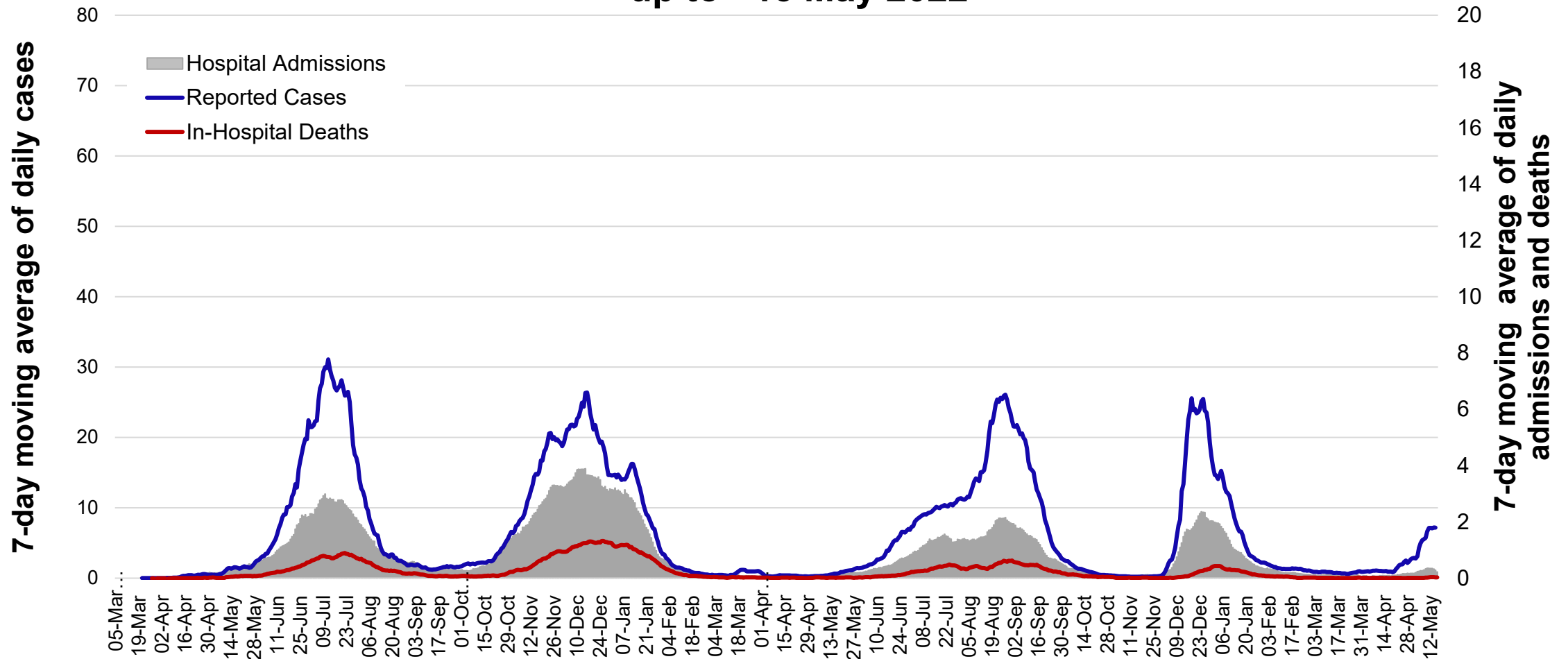
up to – 15 May 2022



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

SARS-CoV-2 cases in Eastern Cape

7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022

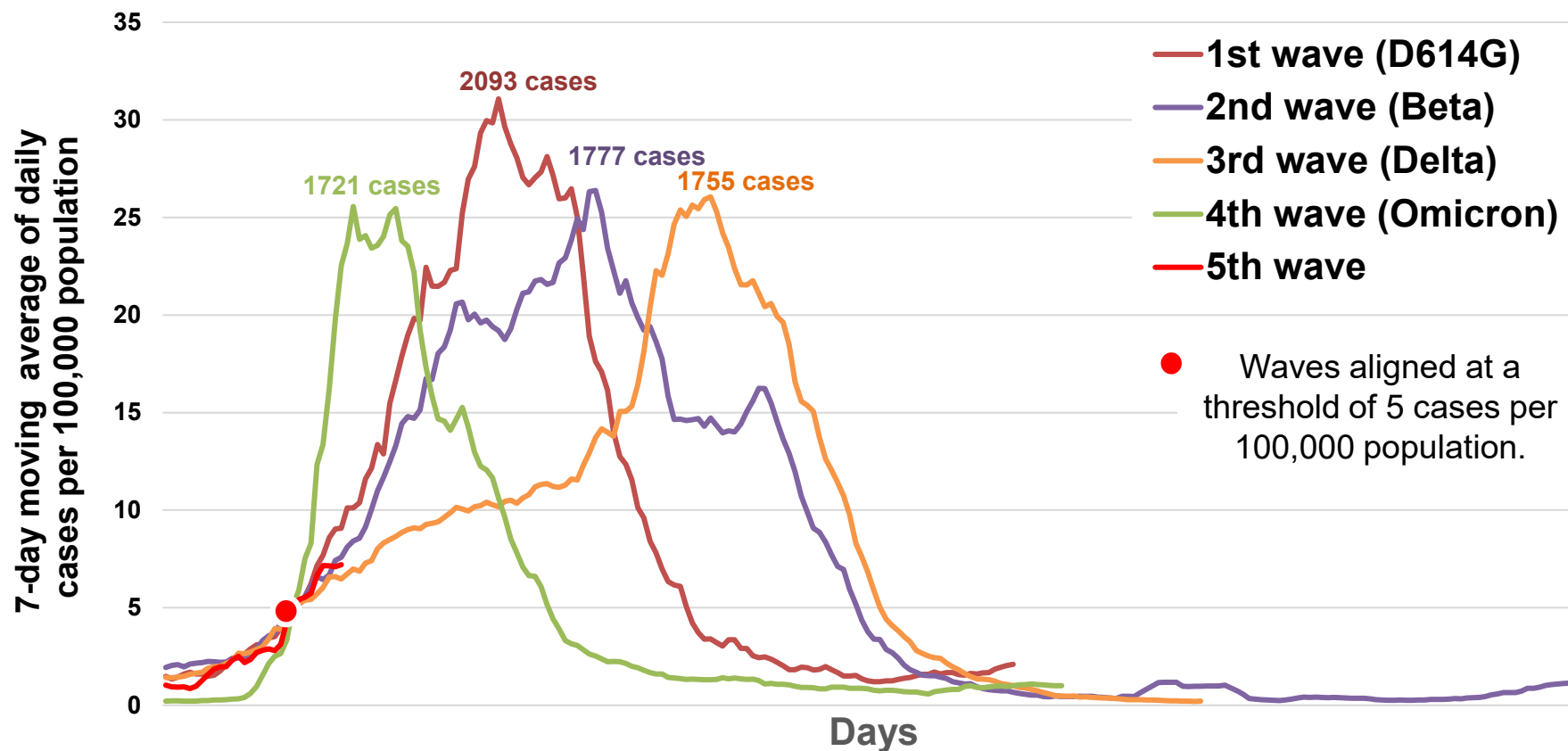


Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

SARS-CoV-2 cases in waves: Eastern Cape

7-day moving average cases per 100,000 population

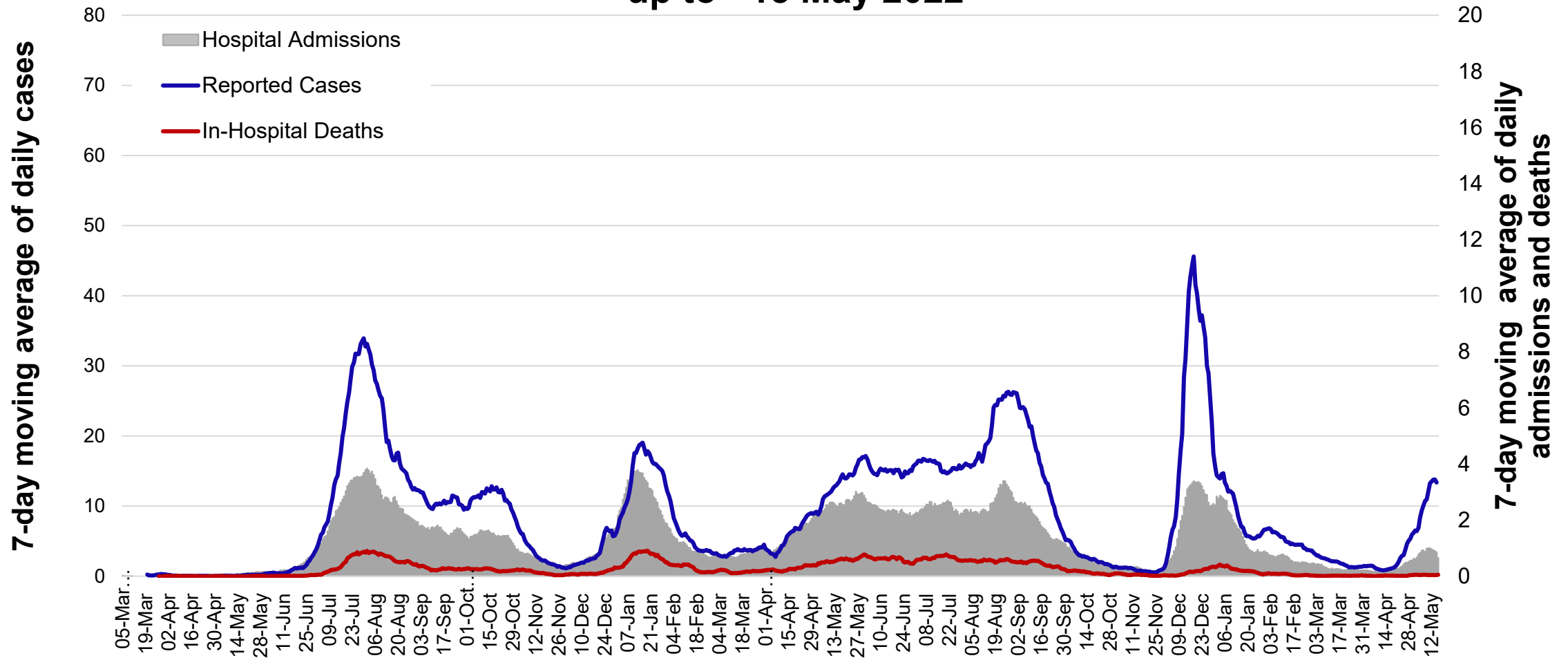
up to – 15 May 2022



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

SARS-CoV-2 cases in Free State province

7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022

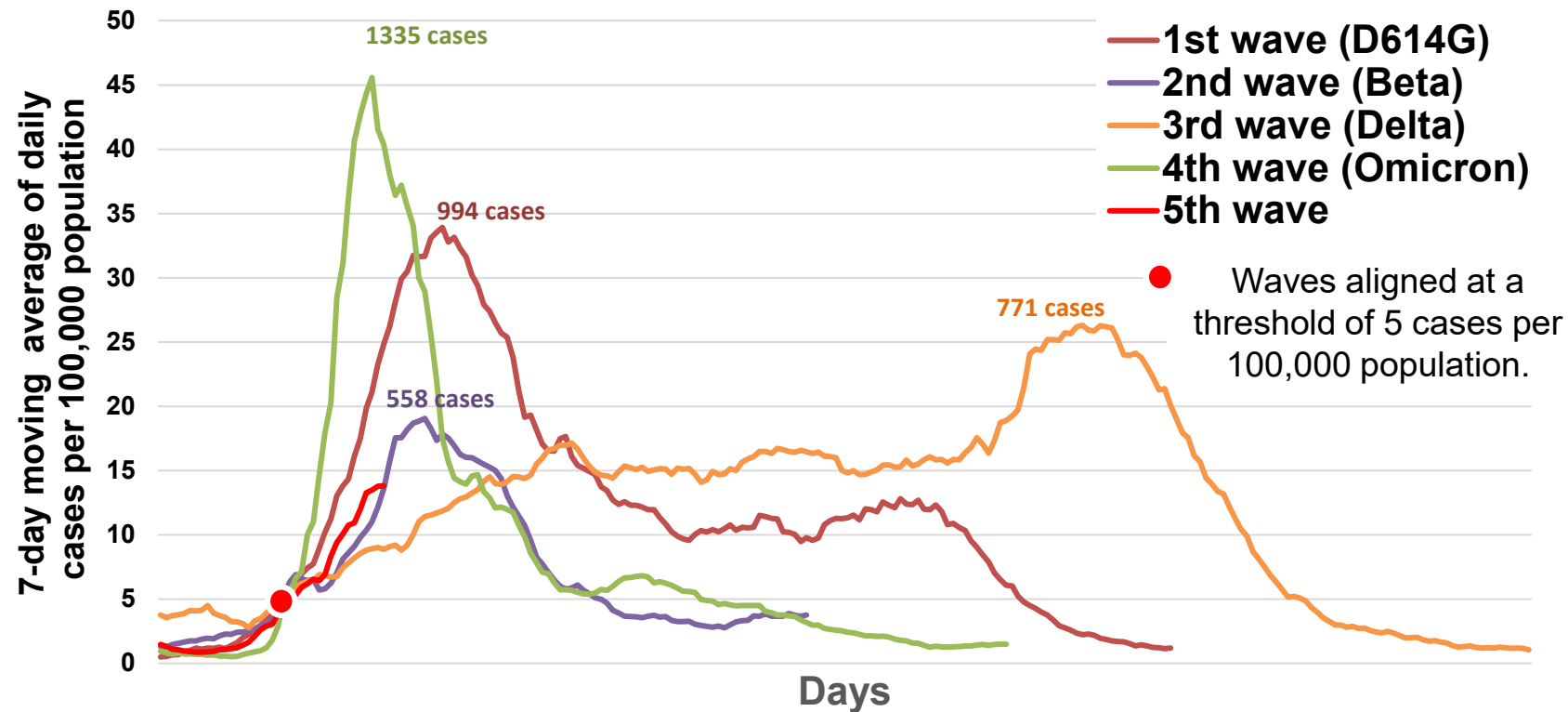


Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

SARS-CoV-2 cases in waves: Free State

7-day moving average cases per 100,000 population

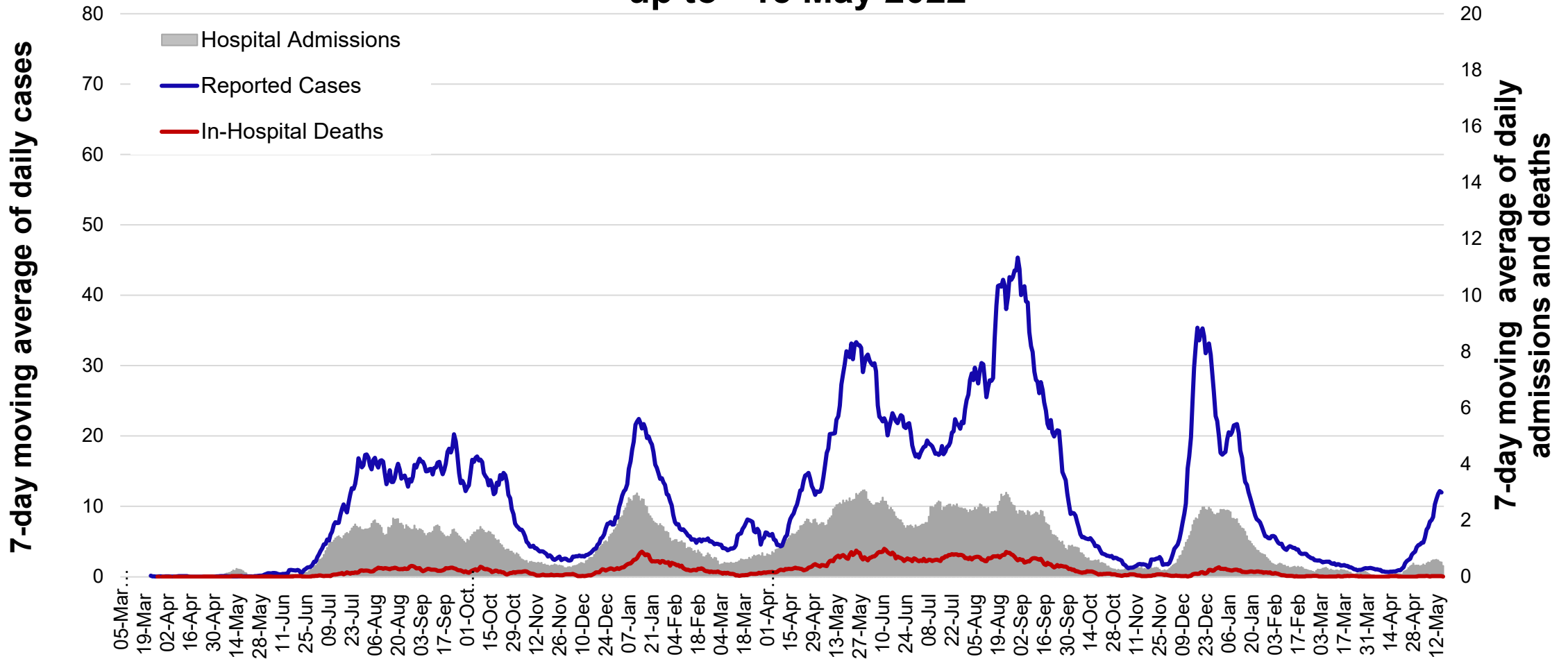
up to – 15 May 2022



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

SARS-CoV-2 cases in Northern Cape

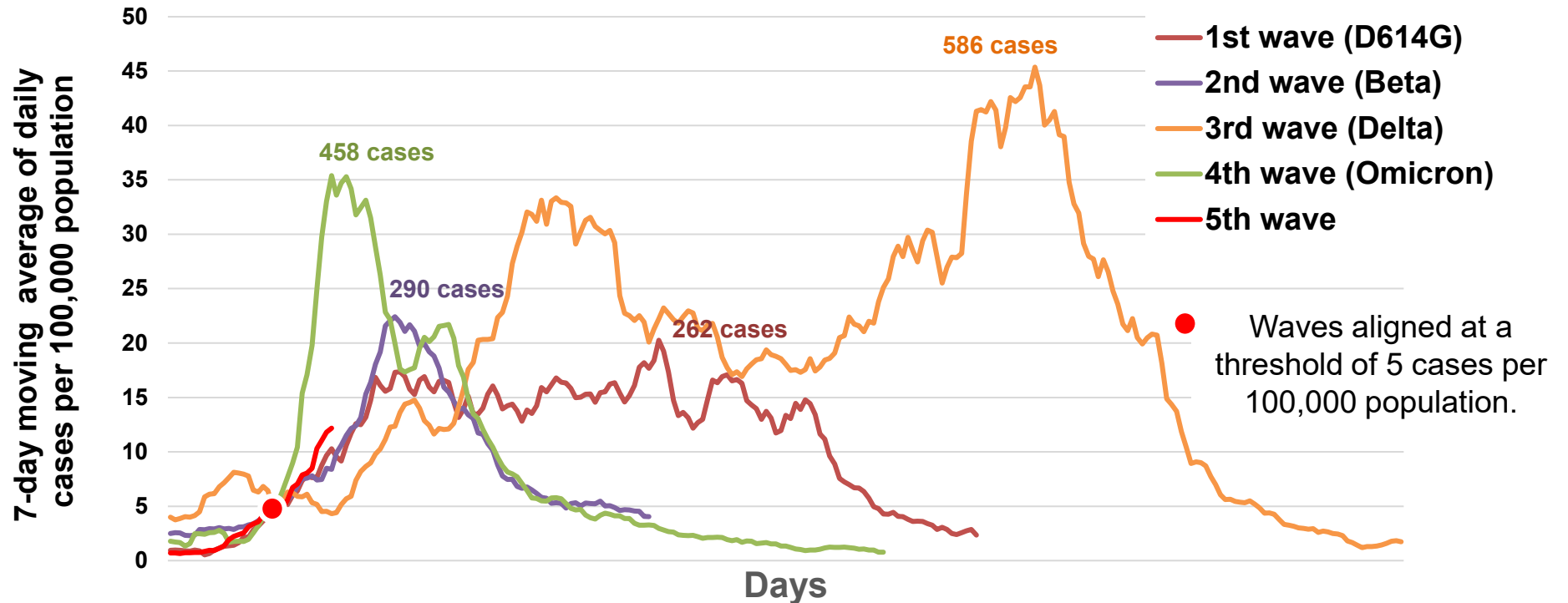
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022



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

SARS-CoV-2 cases in waves: Northern Cape

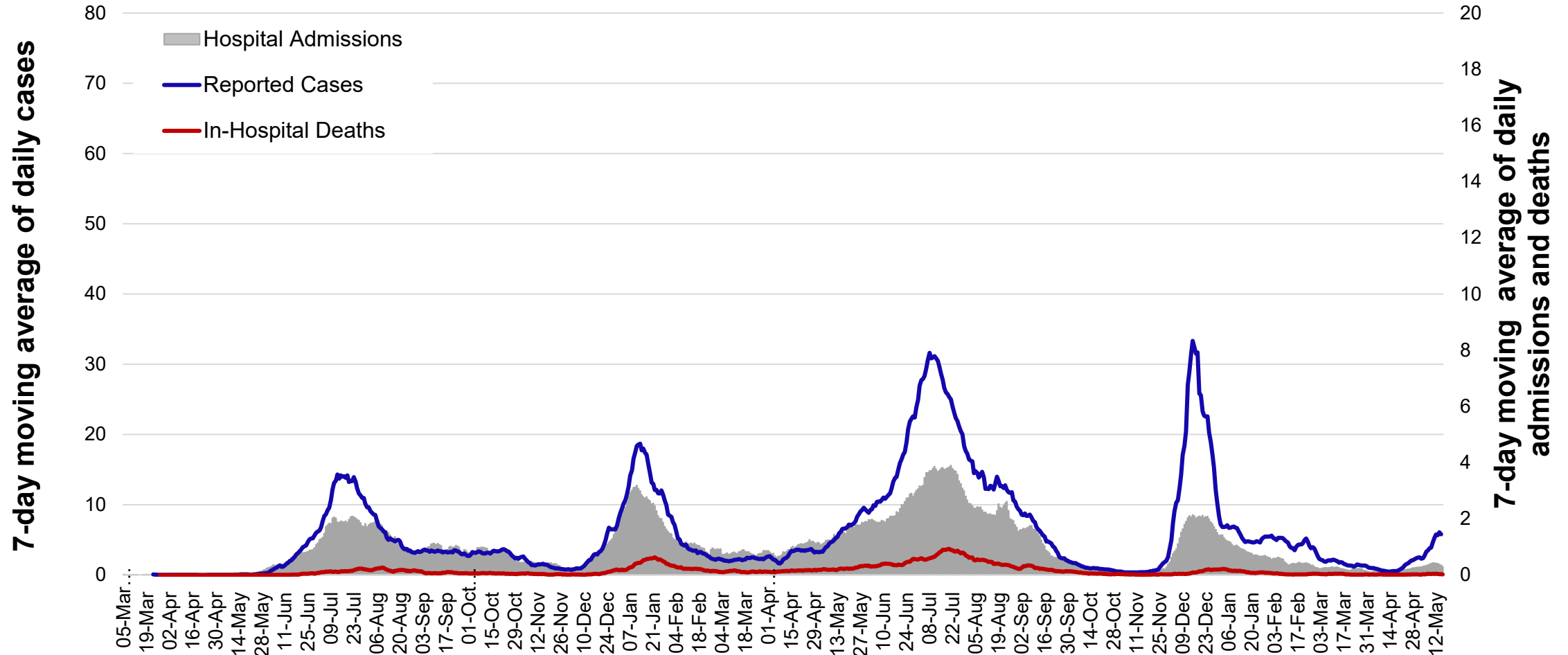
7-day moving average cases per 100,000 population
up to – 15 May 2022



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

SARS-CoV-2 cases in North West province

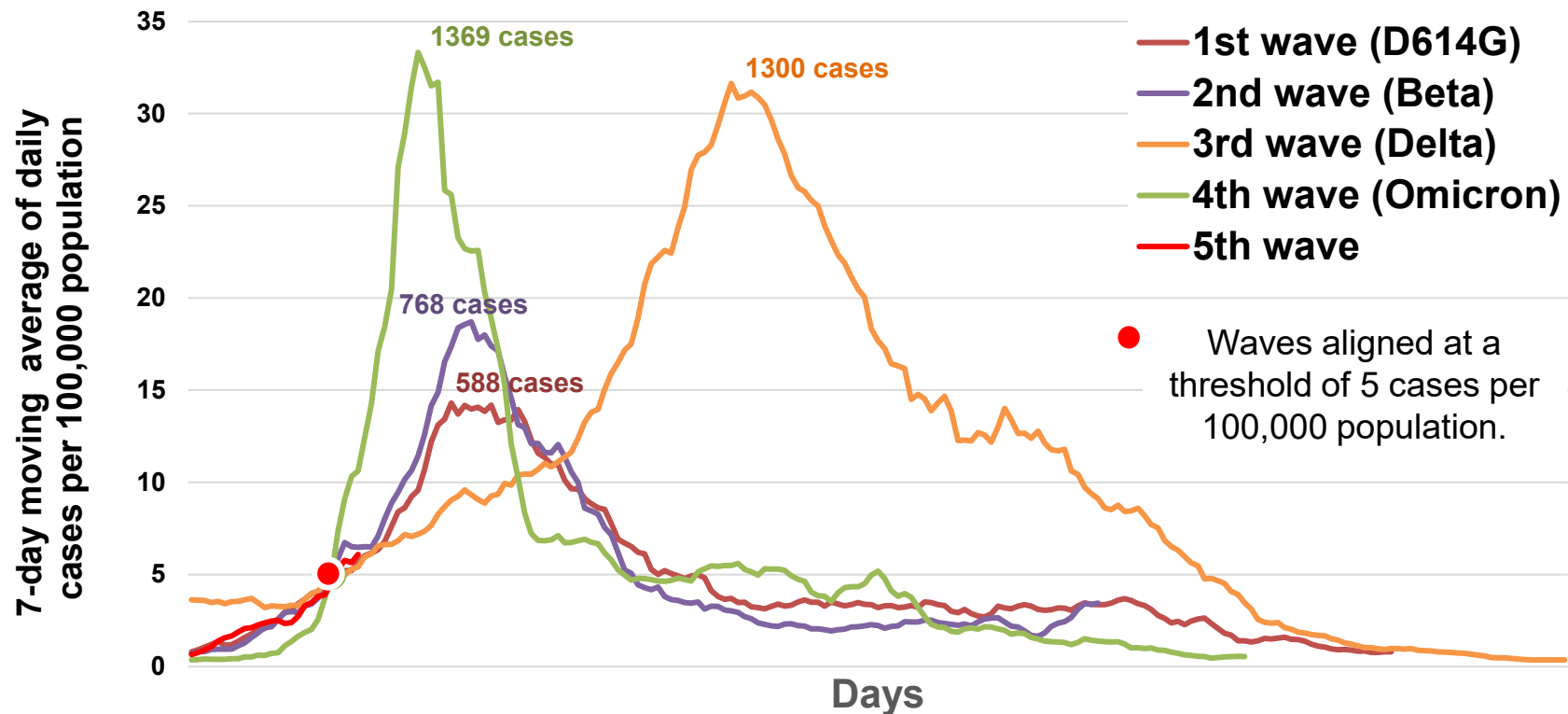
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022



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

SARS-CoV-2 cases in waves: North West

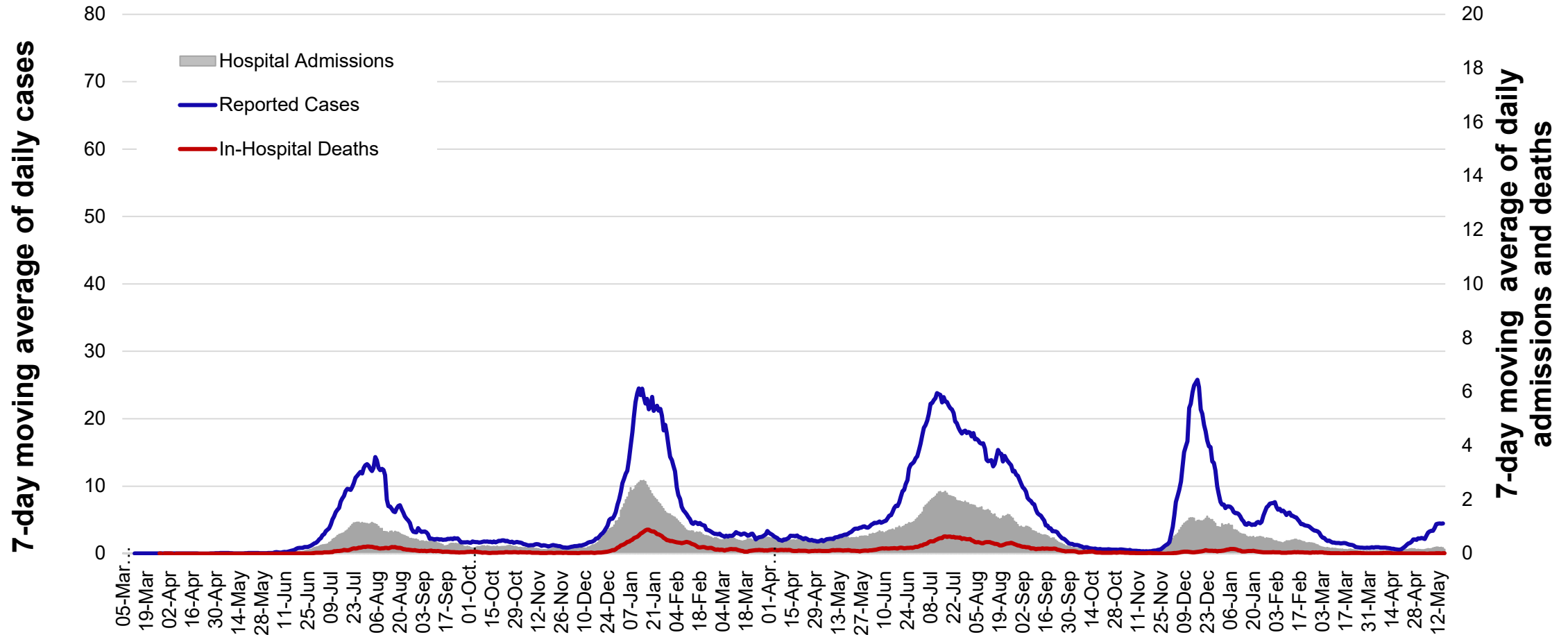
7-day moving average cases per 100,000 population
up to – 15 May 2022



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

SARS-CoV-2 cases in Mpumalanga

7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022

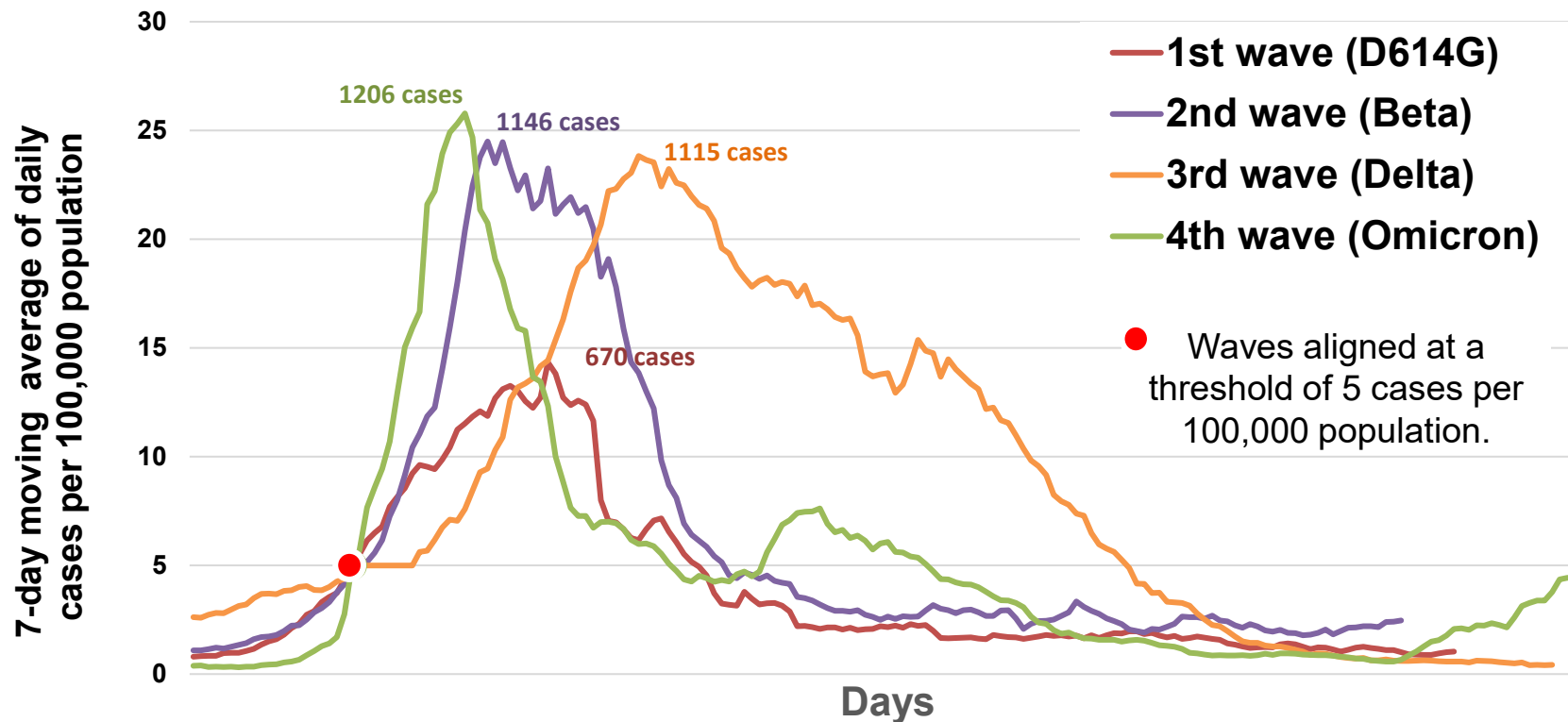


Source of hospital admissions data: Lucille Blumberg, Richard Welch and Waasila Jassat – DATCOV, NICD

SARS-CoV-2 cases in waves: Mpumalanga

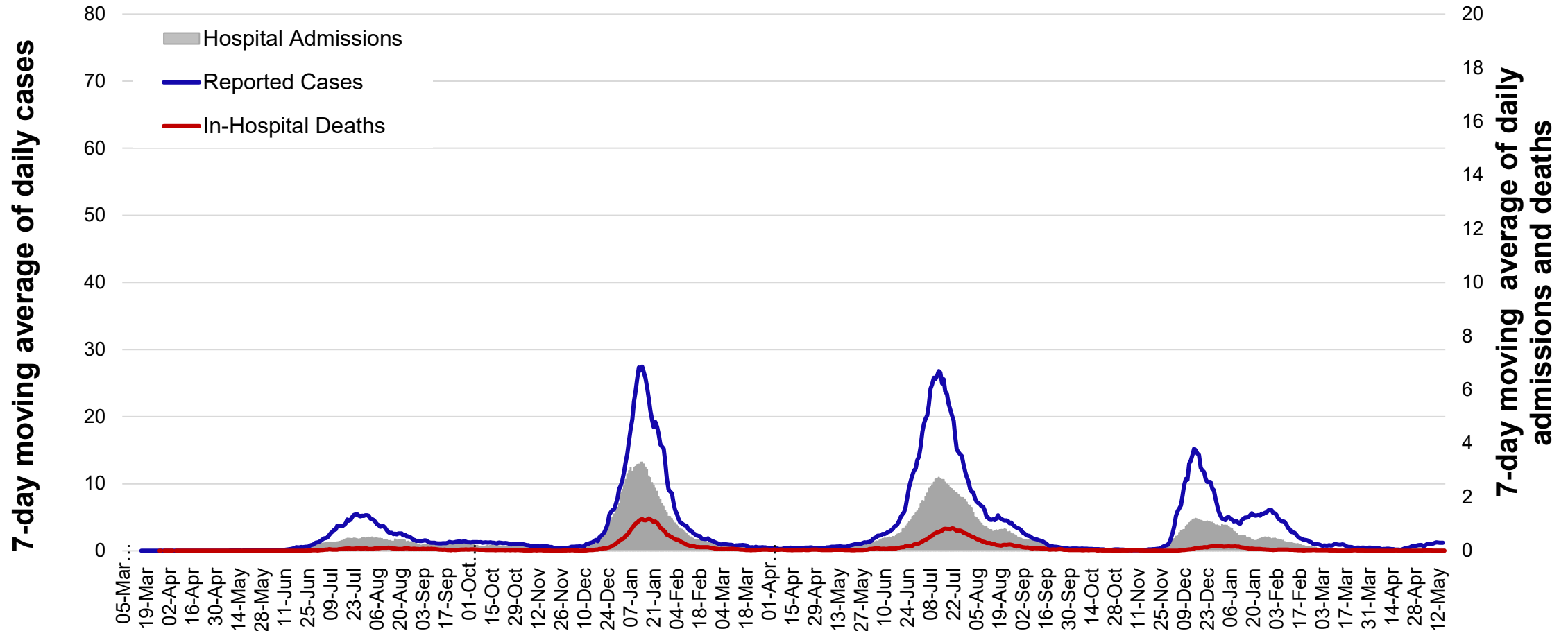
7-day moving average cases per 100,000 population

up to – 15 May 2022



SARS-CoV-2 cases in Limpopo province

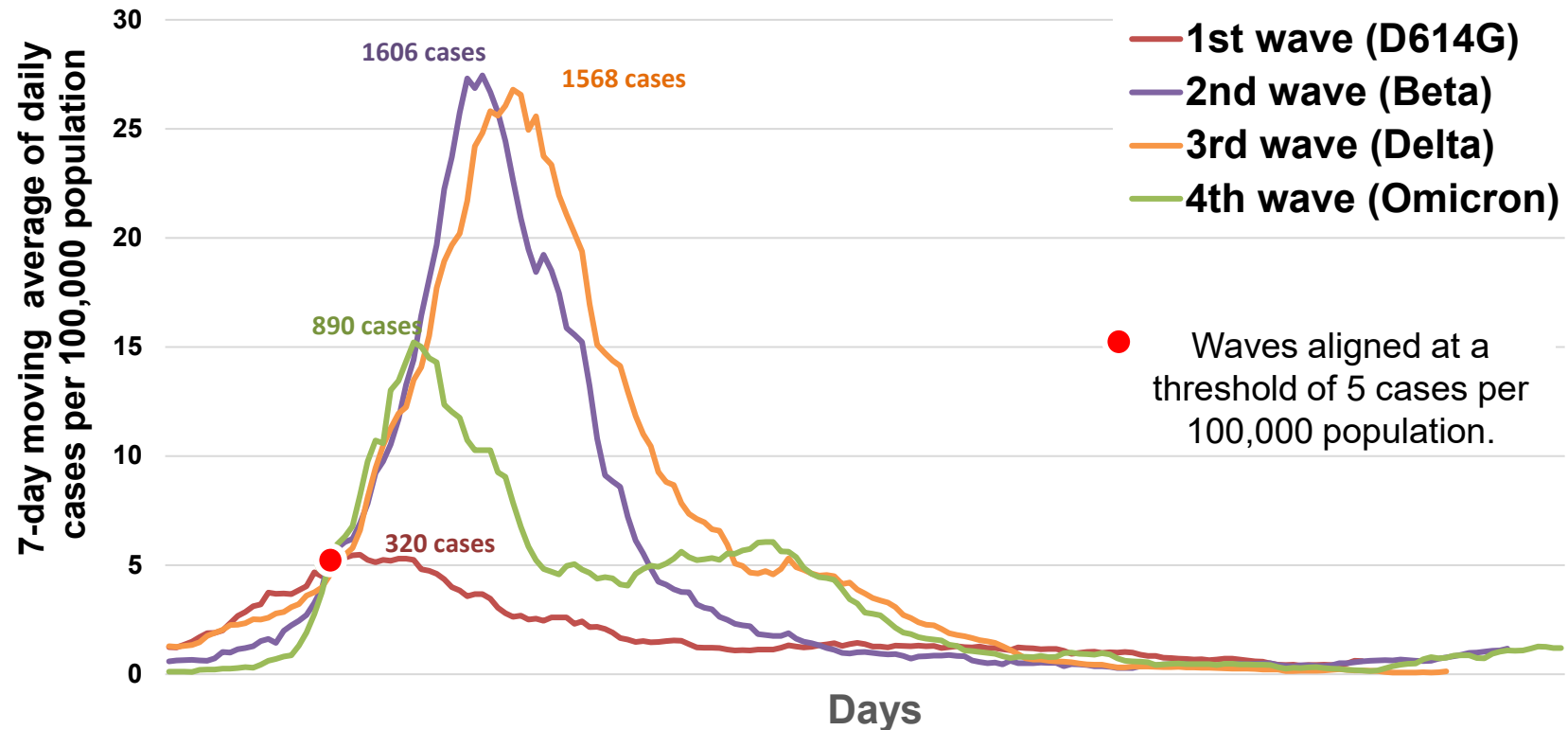
7-day moving average of new cases, hospital admissions and in-hospital Covid-19 deaths up to - 15 May 2022



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

SARS-CoV-2 cases in waves: Limpopo

7-day moving average cases per 100,000 population
up to – 15 May 2022



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