NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES
Division of the National Health Laboratory Service

COVID-19 Hospital Surveillance
Update: Week 21, 2022

Overview of report

This report summarises data of COVID-19 cases admitted to hospital surveillance sites in all provinces. The report is based on data collected from 5 March 2020 to 28 May 2022.

Highlights

- There was a 36% decrease in the number of new admissions in week 21 2022 (1,832) compared to the number of admissions in week 20 2022 (2,949). Delays in reporting of admissions and deaths may affect the numbers reported in the most recent week.
- Gauteng had the highest number of admissions in the past week (617/1,832, 36.6%), followed by Western Cape (438/1,832, 23.9%) and KwaZulu-Natal (261/1,832, 14.2%). The lowest number of admissions was in Limpopo (32/1,832,1.7%).
- The highest weekly incidence risk of COVID-19 admissions reported in week 21 of 2022 was in the ≥65-year age group (14.9 admissions per 100 000 persons), and the lowest weekly incidence risk was in the 10-14-year age group (0.6 admissions per 100 000 persons).

Methods

Data on hospitalisation was accessed from DATCOV, a hospital surveillance system for COVID-19 admissions, initiated on the 1 April 2020. A COVID-19 case was defined as a person with a positive reverse transcriptase polymerase chain reaction (RT-PCR) assay for SARS-CoV-2 or a person who had a positive SARS-CoV-2 antigen test who was admitted to hospital.

Data on SARS-CoV-2 cases diagnosed in public and private laboratories submitted to the NICD were reported from the line list on the NMCSS.

Case fatality ratio (CFR) was calculated for all closed cases, i.e. COVID-19 deaths divided by COVID-19 deaths plus COVID-19 discharges, excluding individuals who are still admitted in hospital. For the calculation of cumulative incidence risks, StatsSA mid-year population estimates for 2021 were utilised. For comparisons of change in admission, we used 14-day daily average admissions in the current 14-day period compared to the previous 14-day period.

Severity was defined as patients receiving oxygen or invasive ventilation, treated in high care or intensive care wards, developing acute respiratory distress syndrome, or died. While oxygen, ventilation and ward of stay variables are updated daily for all admissions in the private sector, there may be delays with the data being updated in the public sector. Also, as patients remain in hospital their condition may change and percentage of severity may change over time.

Data are submitted by public and private hospitals that have agreed to report COVID-19 admissions through DATCOV surveillance in all nine provinces of South Africa. On 15 July 2020, the National Health Council decided that all hospitals should report to DATCOV. As of 28 May 2022, a total of 670 facilities submitted data on hospitalised COVID-19 cases, 408 from public sector and 262 from private sector (Table 1). This reflects 100% coverage of all public and private hospitals that have had COVID-19 admissions. As new hospitals join the surveillance system, they have retrospectively captured all admissions recorded although there may be some backlogs in retrospective data capture.

Table 1: Number of hospitals reporting data on COVID-19 admissions by province and sector, South Africa, 5 March 2020-28 May 2022

Facilities reporting	Public	Private
Eastern Cape	86	18
Free State	35	20
Gauteng	40	99
KwaZulu-Natal	70	47
Limpopo	41	7
Mpumalanga	31	9
North West	17	13
Northern Cape	29	6
Western Cape	59	43
South Africa	408	262

Results

Summary of SARS-CoV-2 cases, COVID-19 admissions and in-hospital deaths

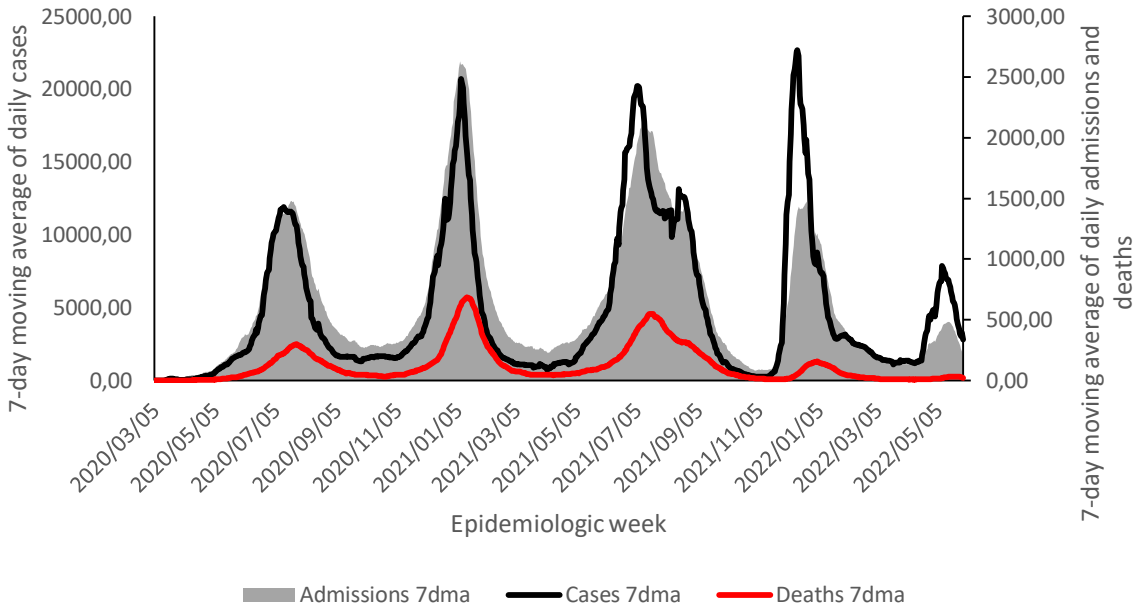

Figure 1: 7-day moving average of SARS-CoV-2 cases, COVID-19 admissions and in-hospital deaths, South Africa, 5 March 2020-28 May 2022

Epidemiological and demographic trends in admissions

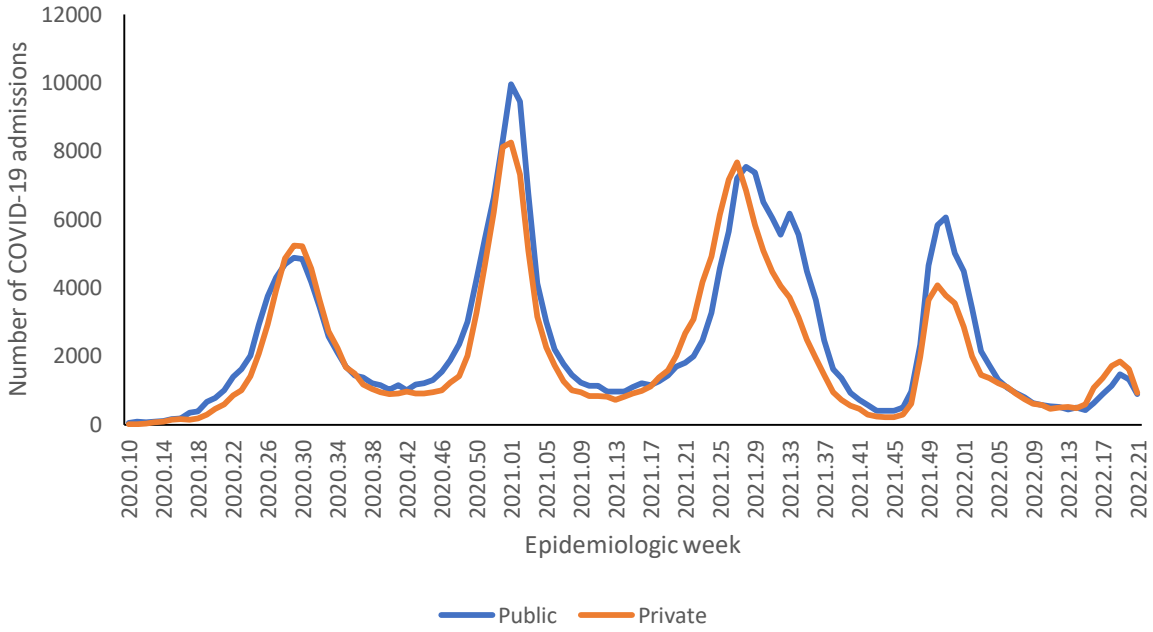

Figure 2: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, South Africa, 5 March 2020-28 May 2022, N=532,551

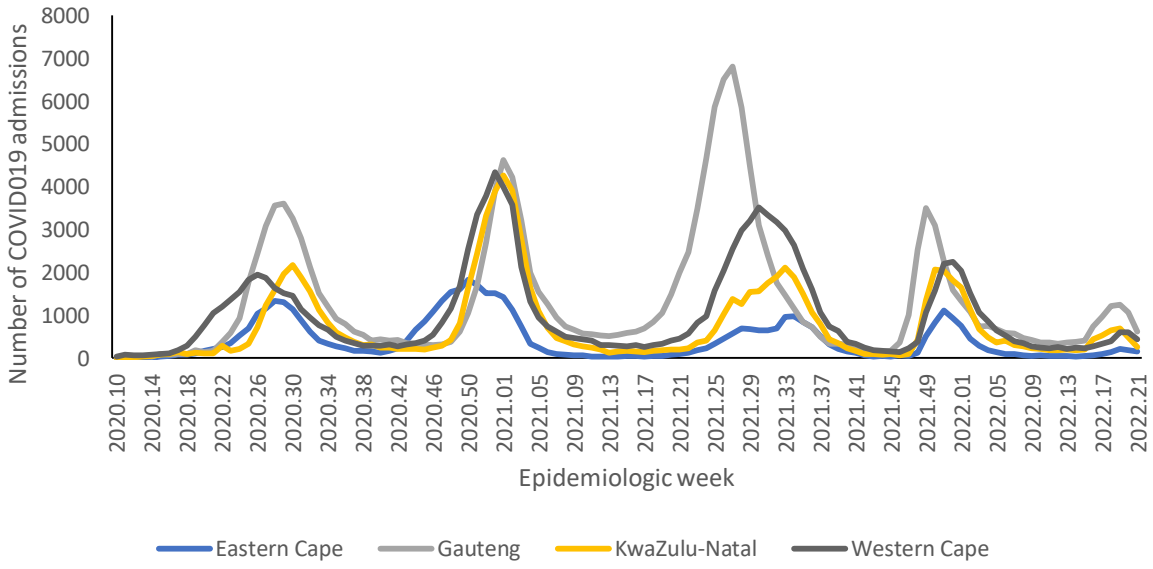

Figure 3a: Number of reported COVID-19 admissions, by provinces with highest admissions and epidemiologic week of diagnosis, South Africa, 5 March 2020-28 May 2022, N=532,551

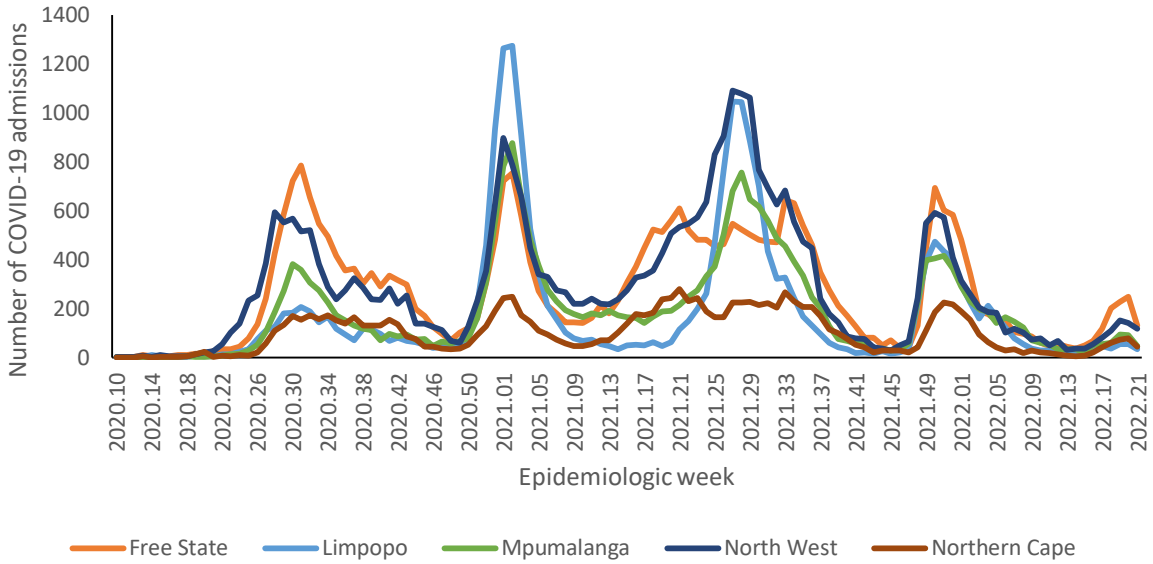

Figure 3b: Number of reported COVID-19 admissions, by provinces with lowest admissions and epidemiologic week of diagnosis, South Africa, 5 March 2020-28 May 2022, N=532,551

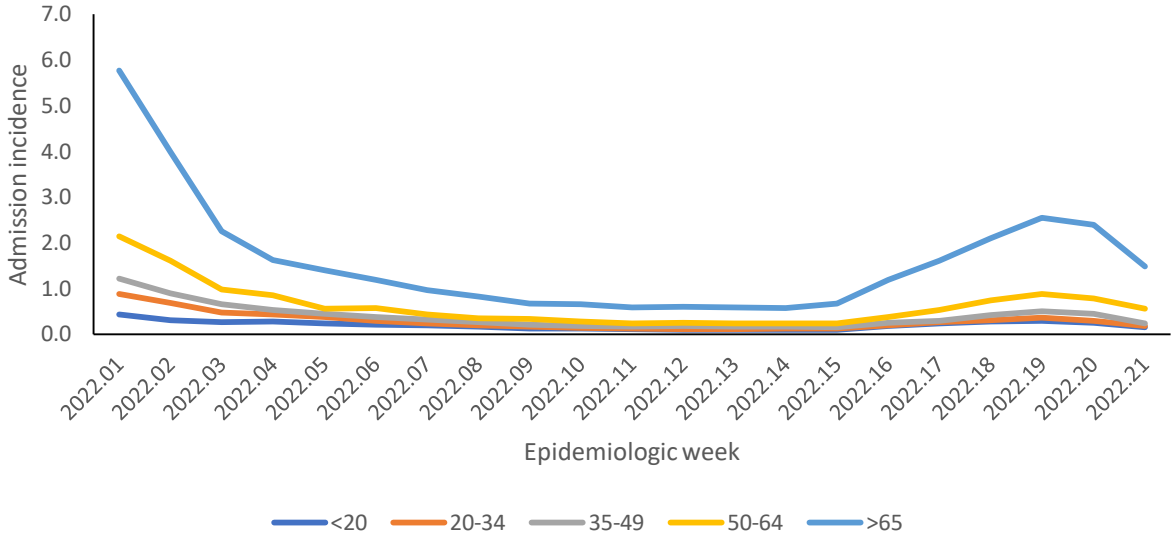

Figure 4a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week, South Africa, week 1-21 2022

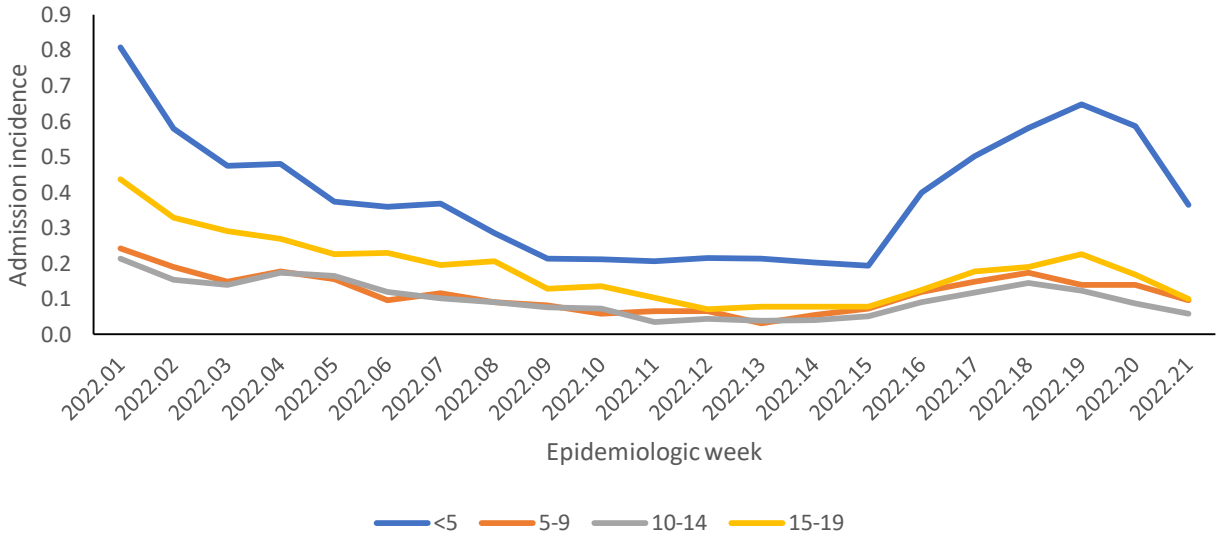

Figure 4b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years and epidemiologic week of diagnosis, South Africa, week 1-21 2022

Epidemiological and demographic trends in in-hospital mortality

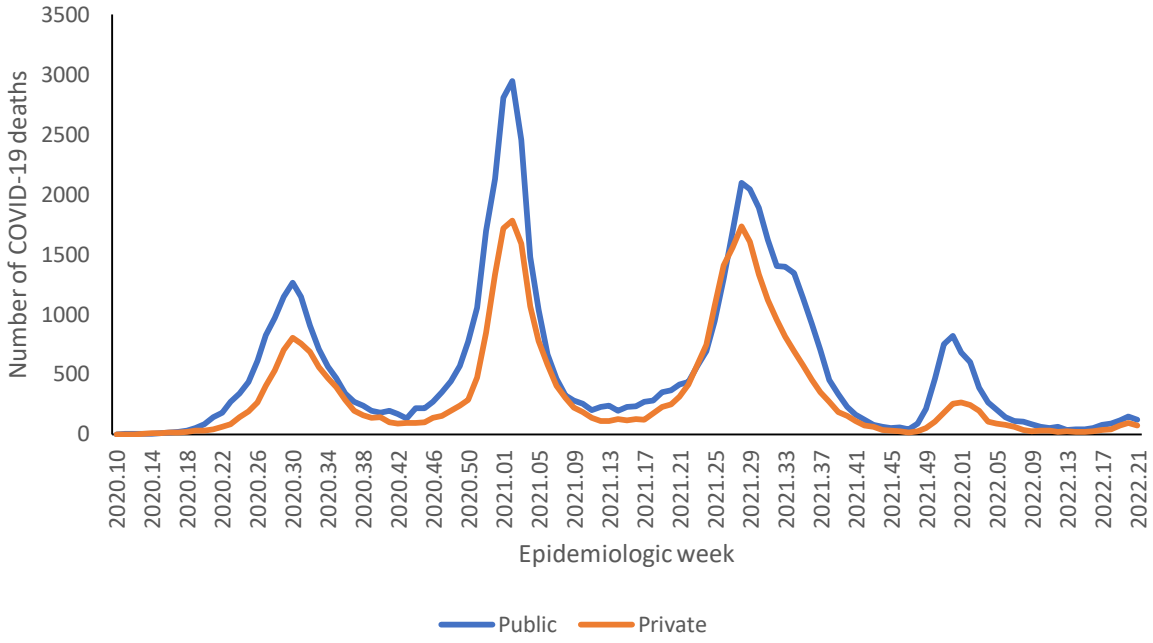

Figure 5: Number of reported COVID-19 in-hospital deaths, by health sector and epidemiologic week, South Africa, 5 March 2020-28 May 2022, N=103,072

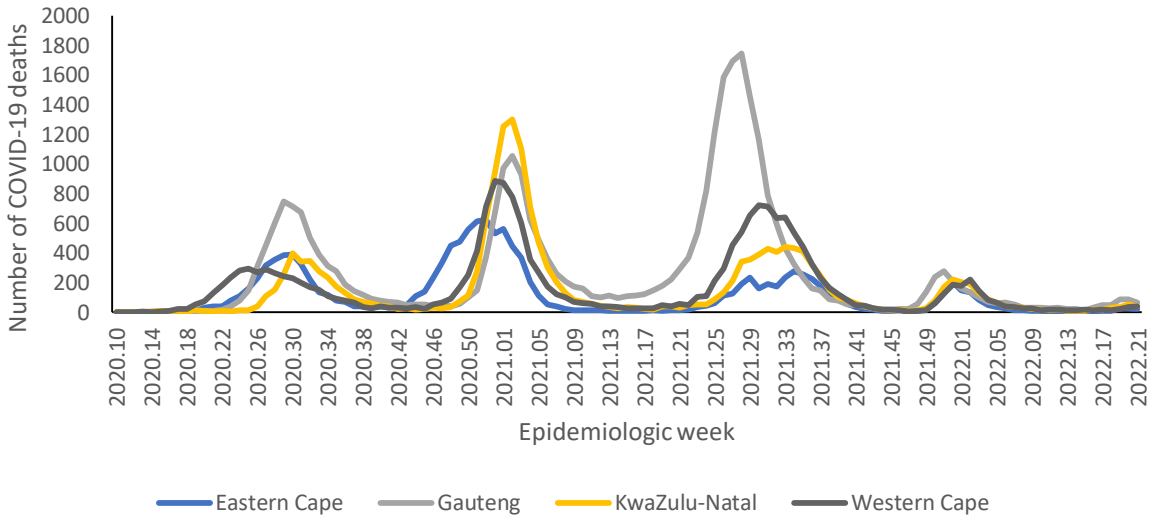

Figure 6a: Number of reported COVID-19 in-hospital deaths, by province with highest deaths and epidemiologic week of death, South Africa, 5 March 2020-28 May 2022, N=103,072

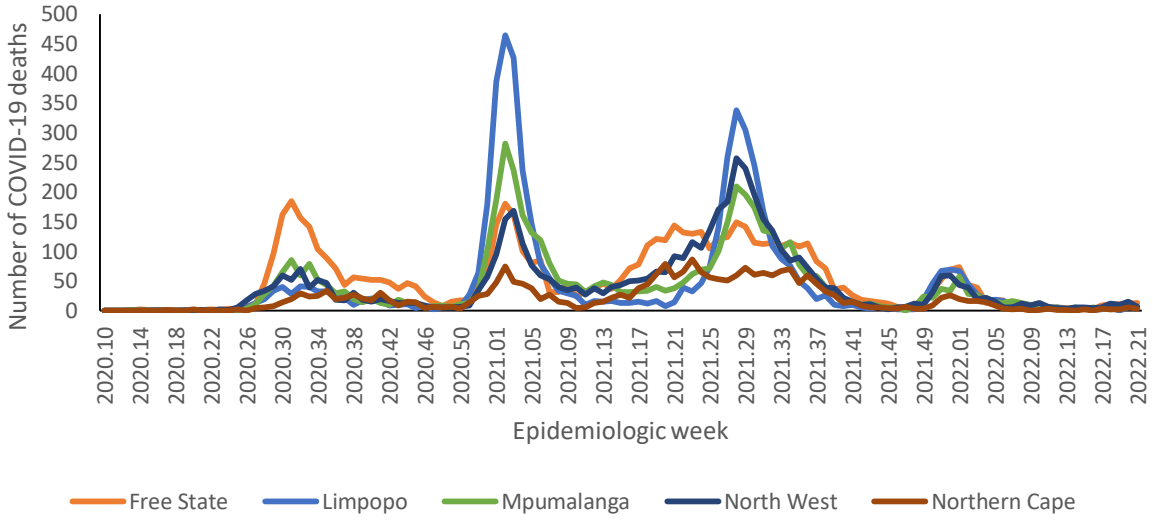

Figure 6b: Number of reported COVID-19 in-hospital deaths, by province with lowest deaths and epidemiologic week of death, South Africa, 5 March 2020-28 May 2022, N=103,072

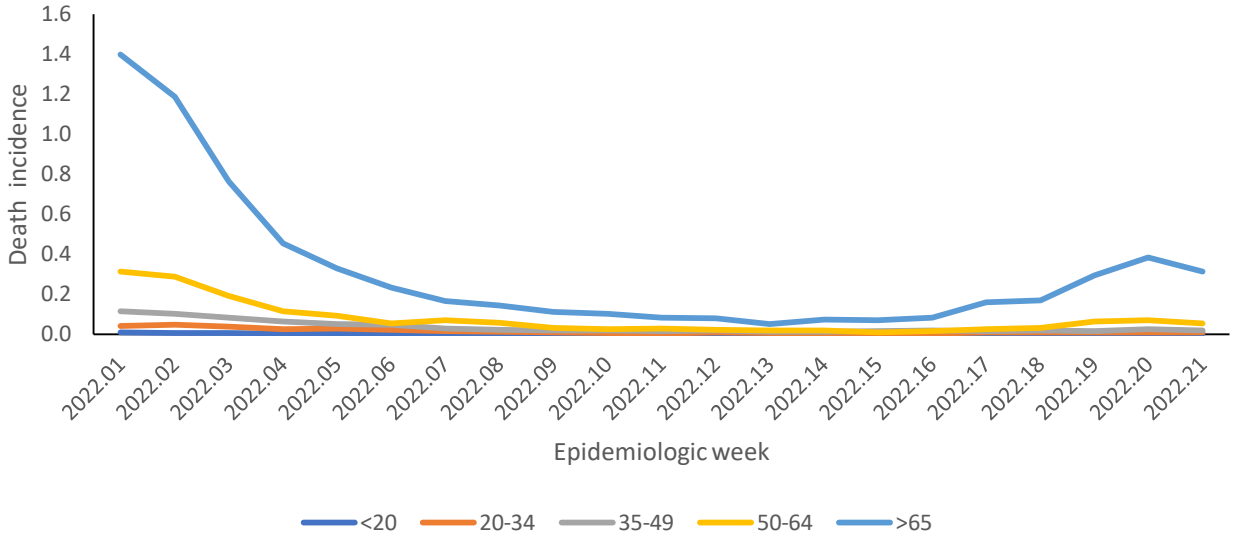

Figure 7a: Incidence risk of COVID-19 in-hospital deaths per 100,000 persons, by age group (years) and epidemiologic week of death, South Africa, week 1-21 2022

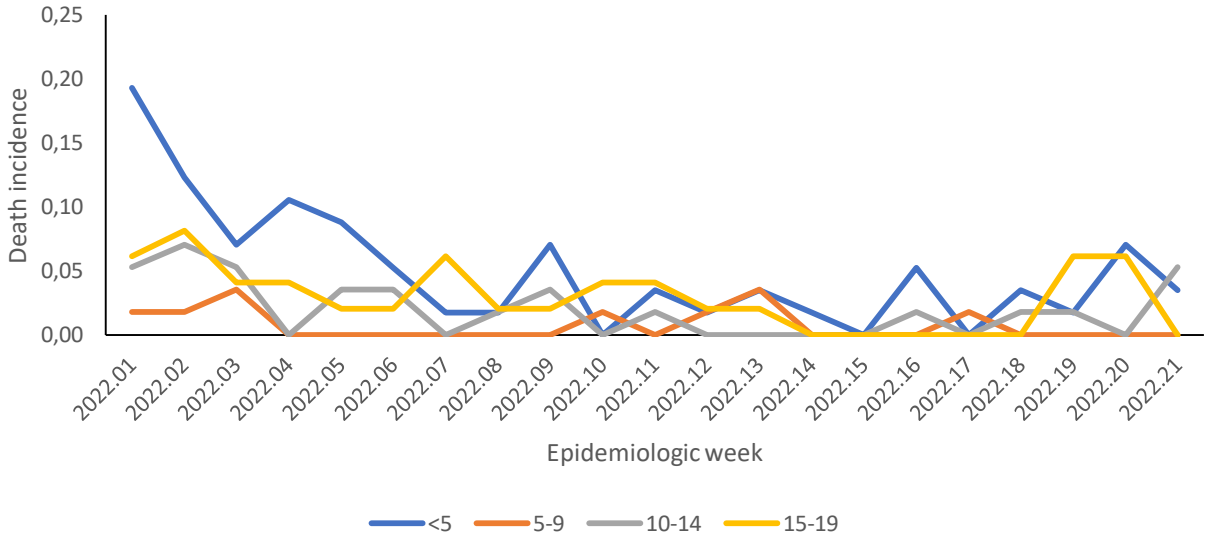

Figure 7b: Incidence risk of COVID-19 in-hospital deaths per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of death, South Africa, week 1-21 2022

Provincial trends

Table 2: Number and cumulative incidence risk of COVID-19 hospitalisations and in-hospital deaths per 100,000 persons by province, South Africa, 5 March 2020-28 May 2022

Province	Provincial Population mid 2020*	Cumulative admissions	Cumulative incidence risk of admissions / 100,000	Cumulative deaths	Cumulative incidence risk of deaths / 100,000
Eastern Cape	6676590	48121	720.7	13201	197.7
Free State	2932441	32010	1091.6	6070	207.0
Gauteng	15810388	156 756	991.5	30187	190.9
KwaZulu-Natal	11513575	87571	760.6	17378	150.9
Limpopo	5926724	20990	354.2	5326	89.9
Mpumalanga	4743584	22532	475.0	4858	102.4
North West	4122854	33 905	822.4	4920	119.3
Northern Cape	1303047	11 799	905.5	2444	187.6
Western Cape	7113776	118 867	1670.9	18688	262.7
South Africa	**60142978**	**532 551**	**885.5**	**103 072**	**171.4**

*StatsSA mid-year population estimates 2020

Table 3: Previous 14 days and current 14 days daily average COVID-19 admissions and deaths and percentage changes, South Africa, 30 April-28 May 2022

Province	Hospital admissions		Percentage change in admissions	Hospital deaths		Percentage change in deaths
	Previous 14 days average admissions	Current 14 days average admissions		Previous 14 days average deaths	Current 14 days average deaths	
Eastern Cape	24.29	23.86	-1.76	2.14	3.14	46.67
Free State	30.64	27.00	-11.89	1.57	1.79	13.64
Gauteng	175.14	120.00	-31.48	9.29	10.50	13.08
KwaZulu-Natal	95.36	53.14	-44.27	4.50	6.14	36.51
Limpopo	6.29	6.14	-2.27	0.43	0.86	100.00
Mpumalanga	10.86	9.86	-9.21	0.36	0.93	160.00
North West	18.64	18.43	-1.15	1.57	1.57	0.00
Northern Cape	9.43	8.64	-8.33	0.29	0.57	100.00
Western Cape	70.93	74.29	4.73	2.29	5.07	121.88

* Reporting of new admissions in the most recent week may be delayed

Table 4: Previous 7 days and current 7 days daily average COVID-19 admissions and deaths and percentage changes, South Africa, 14 May-28 May 2022

Province	Hospital admissions		Percentage change in admissions	Hospital deaths		Percentage change in deaths
	Previous 7 days average admissions	Current 7 days average admissions		Previous 7 days average deaths	Current 7 days average deaths	
Eastern Cape	27.00	20.71	-23.28	3.43	2.86	-16.67
Free State	35.29	18.71	-46.96	1.71	1.86	8.33
Gauteng	151.86	88.14	-41.96	12.14	8.86	-27.06
KwaZulu-Natal	69.00	37.29	-45.96	7.14	5.14	-28.00
Limpopo	7.71	4.57	-40.74	0.71	1.00	40.00
Mpumalanga	13.00	6.71	-48.35	1.14	0.71	-37.50
North West	20.00	16.86	-15.71	2.14	1.00	-53.33
Northern Cape	11.14	6.14	-44.87	0.71	0.43	-40.00
Western Cape	86.00	62.57	-27.24	4.86	5.29	8.82

* Reporting of new admissions in the most recent week may be delayed

Eastern Cape

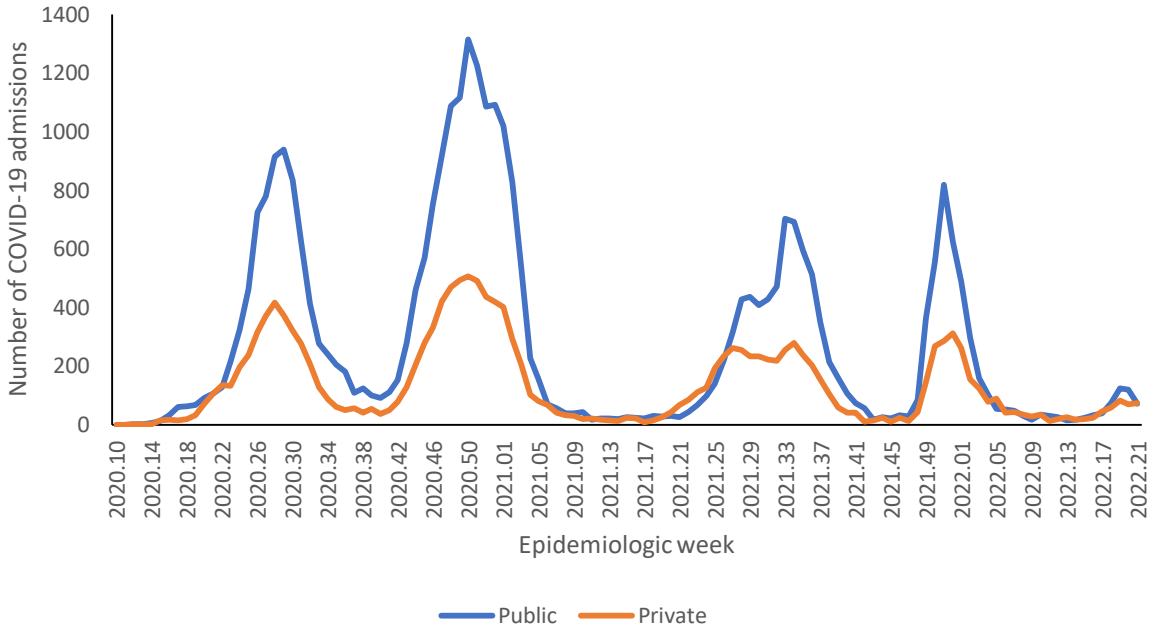

Figure 8: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Eastern Cape, 5 March 2020-28 May 2022, N=48,121

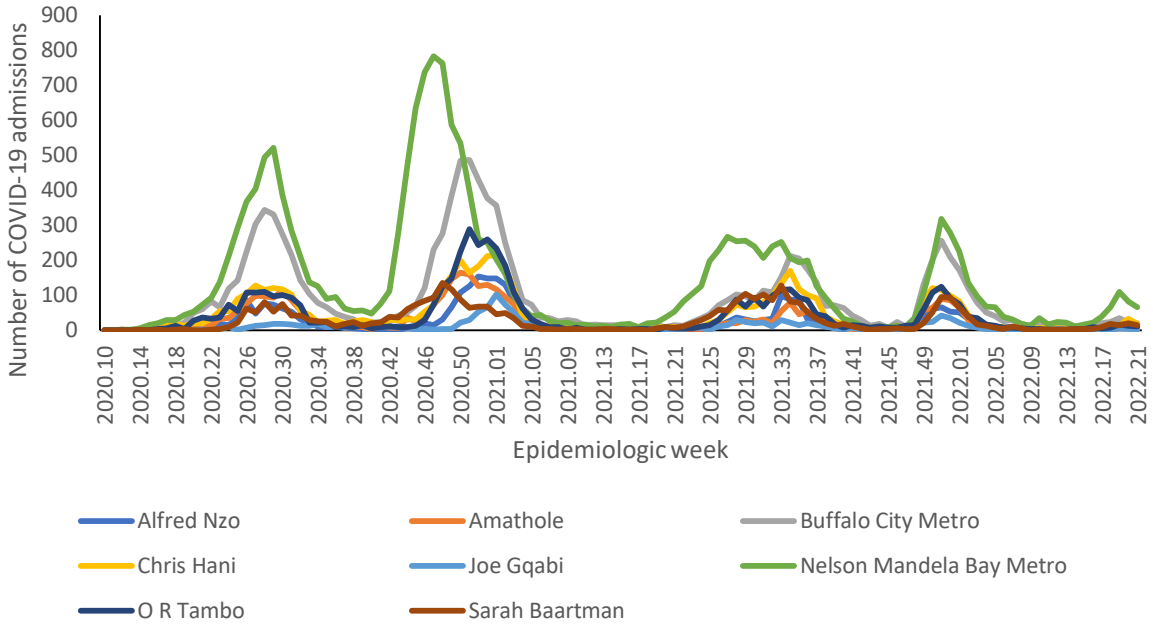

Figure 9: Number of reported COVID-19 admissions, by district and epidemiologic week, Eastern Cape, 5 March 2020-28 May 2022, N=48,121

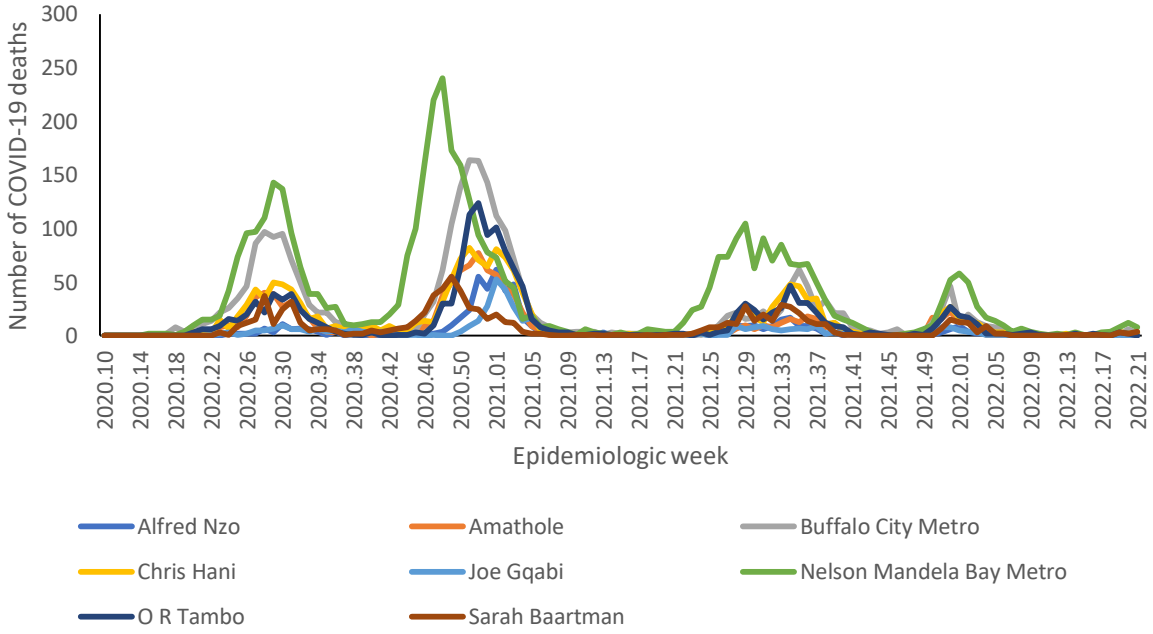

Figure 10: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Eastern Cape, 5 March 2020-28 May 2022, N=13,201

Table 5: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Eastern Cape, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Alfred Nzo	1.00	1.71	71.43	0.14	0.07	-50.00
Amathole	0.50	0.79	57.14	0.14	0.14	0.00
Buffalo City Metro	4.07	2.93	-28.07	0.14	0.57	300.00
Chris Hani	1.93	3.57	85.19	0.36	0.36	0.00
Joe Gqabi	0.43	0.36	-16.67	0.07	0.00	-100.00
Nelson Mandela Bay	12.50	10.50	-16.00	0.86	1.43	66.67
O R Tambo	1.57	1.57	0.00	0.21	0.14	-33.33
Sarah Baartman	2.29	2.43	6.25	0.21	0.43	100.00

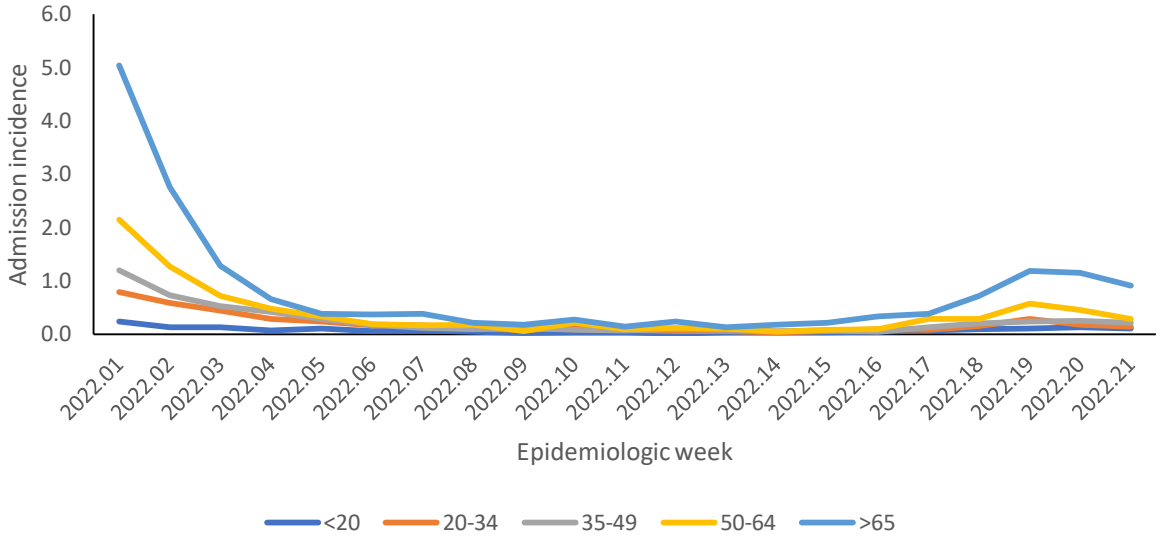

Figure 11a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Eastern Cape, week 1-21 2022

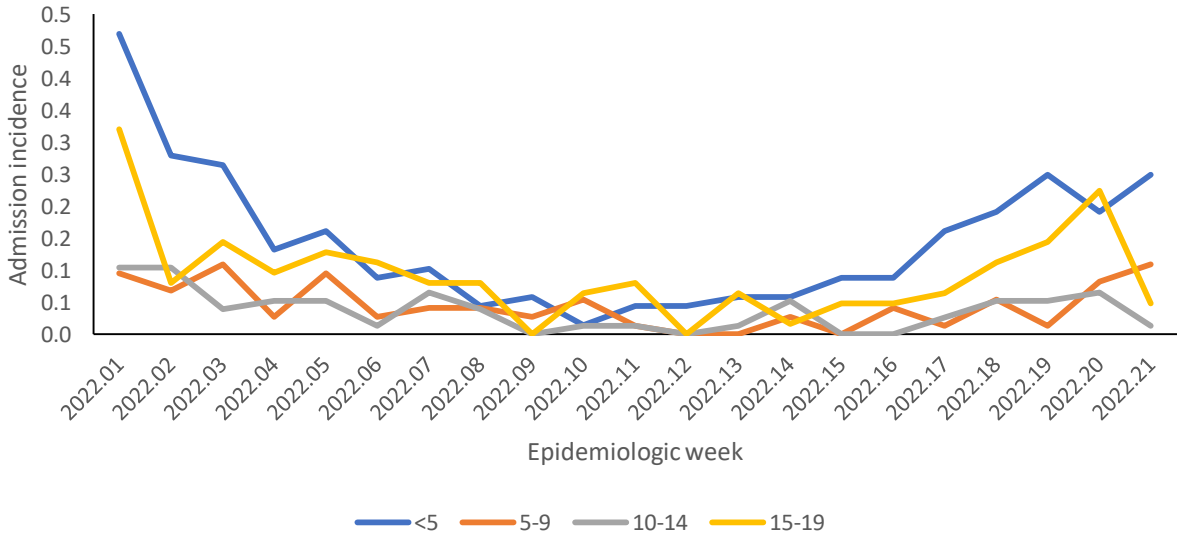

Figure 11b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Eastern Cape, week 1-21 2022

Free State

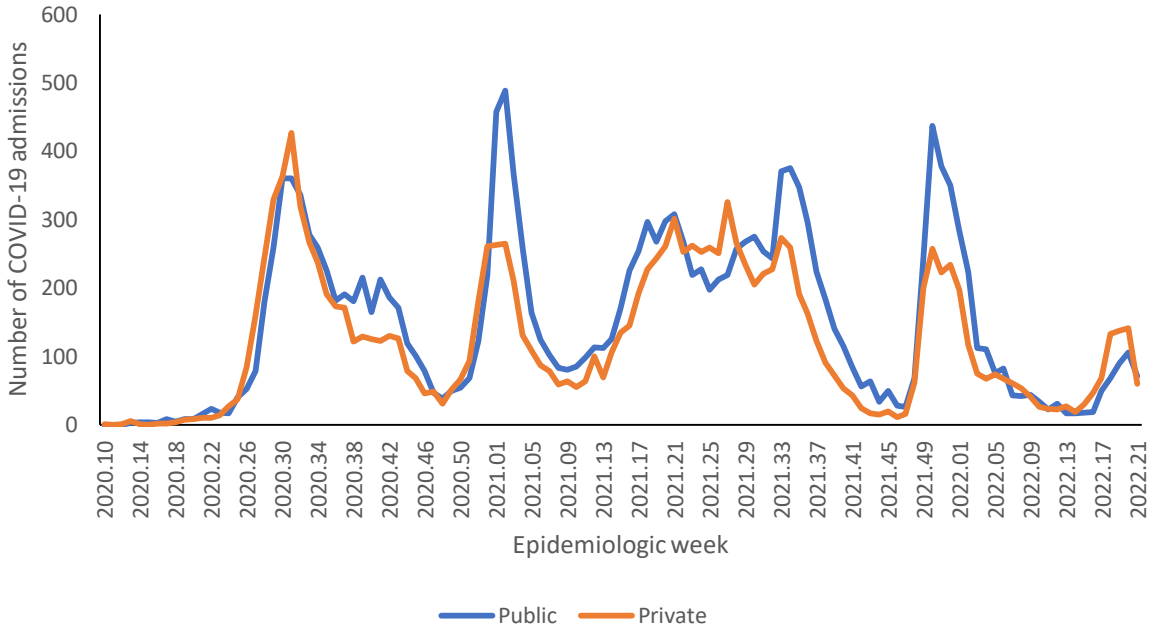

Figure 12: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Free State, 5 March 2020-28 May 2022, N=32,010

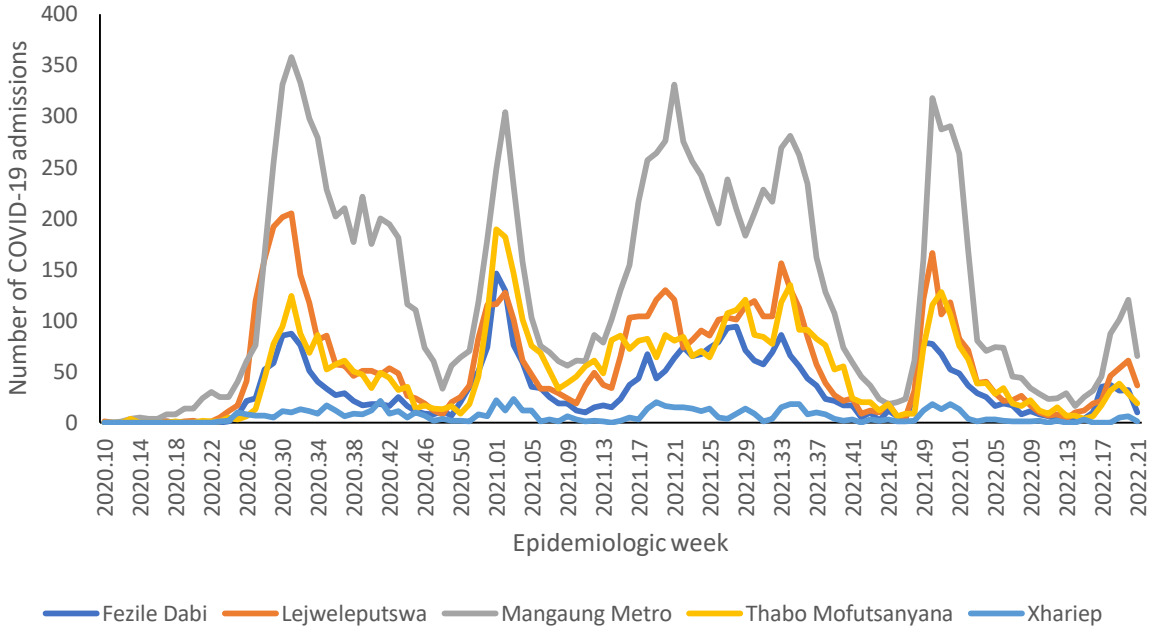

Figure 13: Number of reported COVID-19 admissions, by district and epidemiologic week, Free State, 5 March 2020-28 May 2022, N=32,010

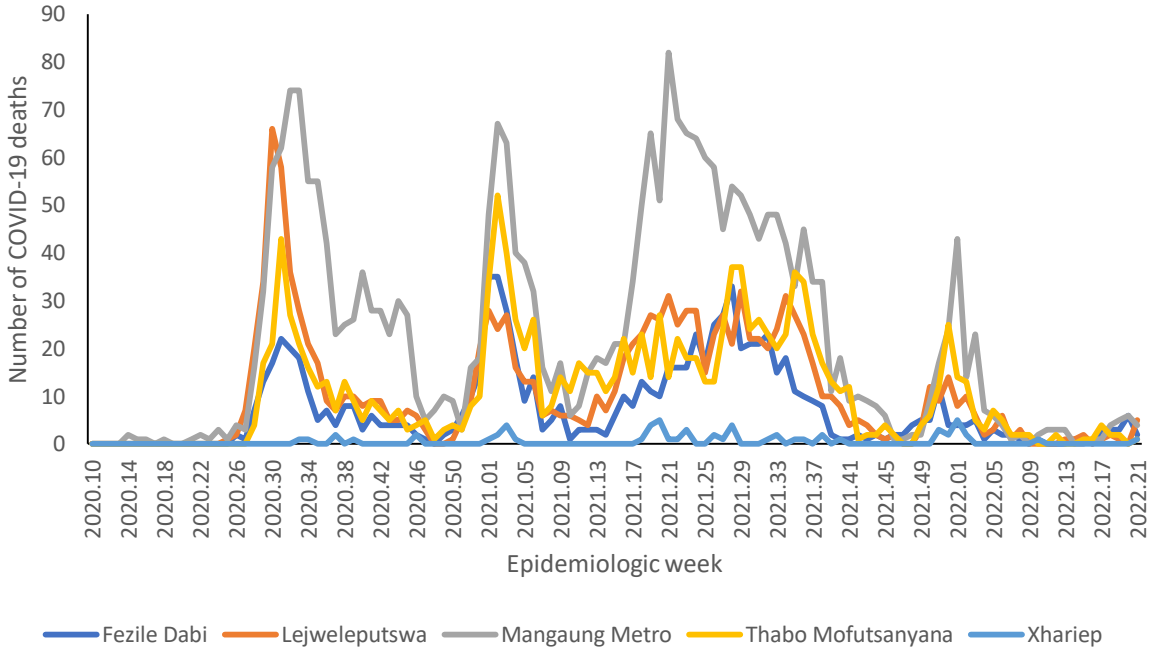

Figure 14: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Free State, 5 March 2020-28 May 2022, N=6,070

Table 6: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Free State, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Fezile Dabi	4.86	3.00	-38.24	0.43	0.57	33.33
Lejweleputswa	7.07	6.93	-2.02	0.21	0.36	66.67
Mangaung Metro	13.43	13.21	-1.60	0.64	0.71	11.11
Thabo Mofutsanyana	4.93	3.36	-31.88	0.29	0.07	-75.00
Xhariep	0.36	0.50	40.00	0.00	0.07	0.00

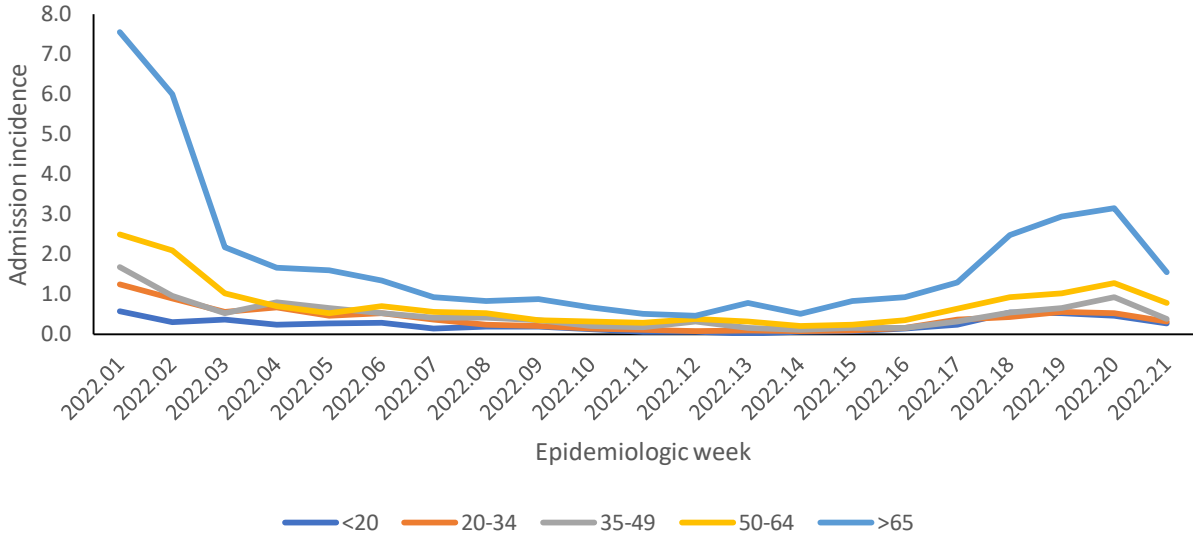

Figure 15a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Free State, week 1-21 2022

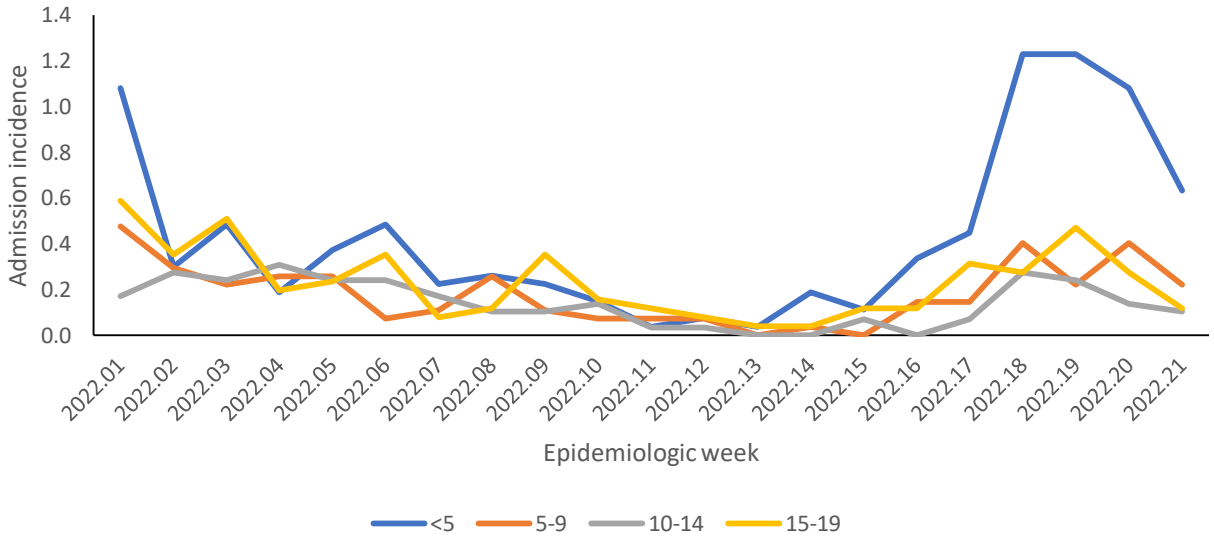

Figure 15b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Free State, week 1-21 2022

Gauteng

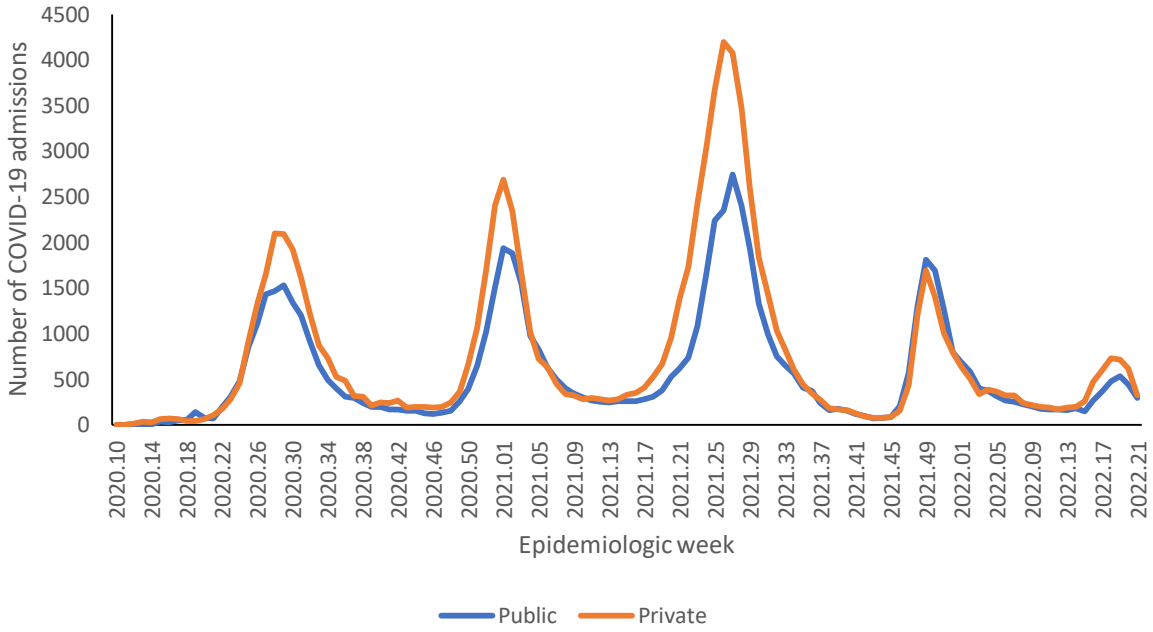

Figure 16: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Gauteng, 5 March 2020-28 May 2022, N=156,756

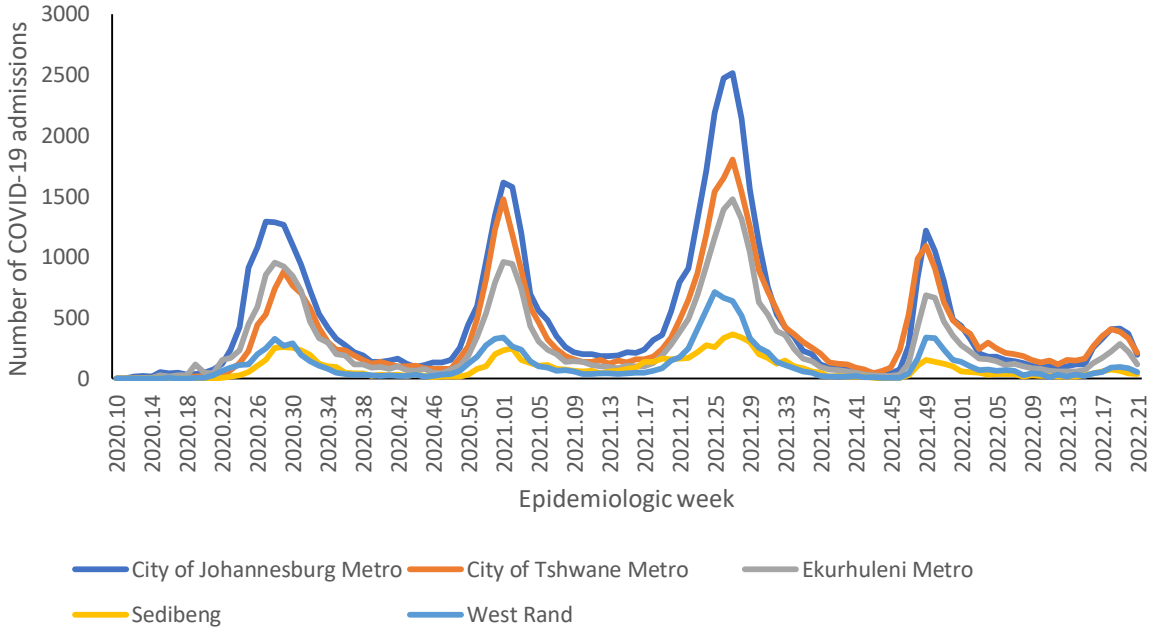

Figure 17: Number of reported COVID-19 admissions, by district and epidemiologic week, Gauteng, 5 March 2020-28 May 2022, N=156,756

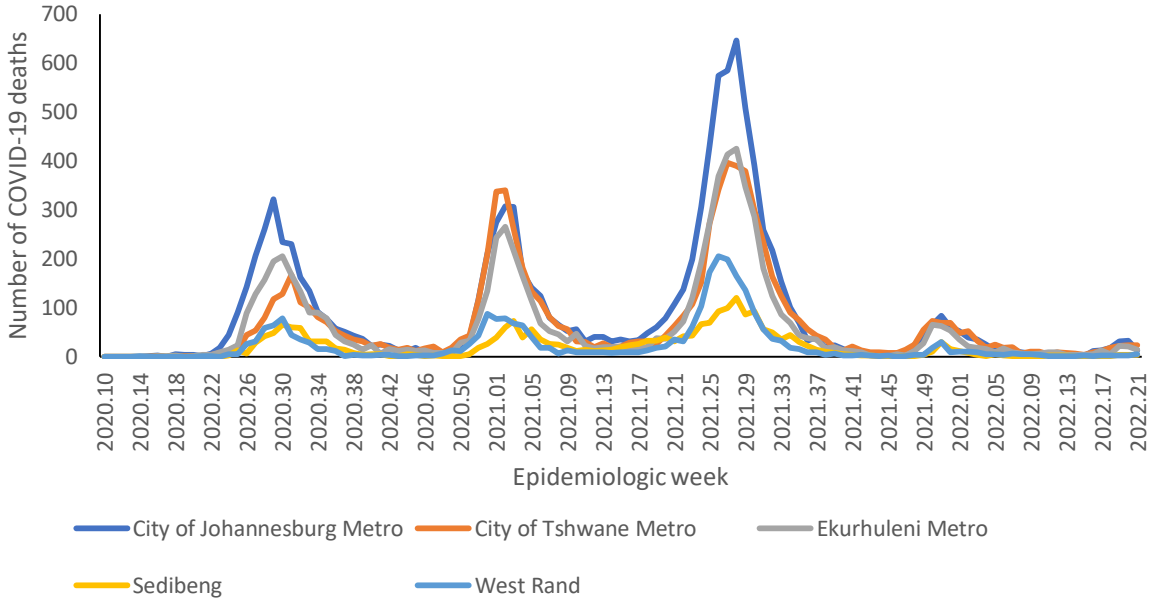

Figure 18: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Gauteng, 5 March 2020-28 May 2022, N=30,187

Table 7: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Gauteng, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
City of Johannesburg Metro	58.64	40.79	-30.45	3.64	3.36	-7.84
City of Tshwane Metro	56.64	38.93	-31.27	2.86	3.36	17.50
Ekurhuleni Metro	36.43	24.14	-33.73	2.00	2.57	28.57
Sedibeng	9.93	6.00	-39.57	0.36	0.57	60.00
West Rand	13.50	10.14	-24.87	0.43	0.64	50.00

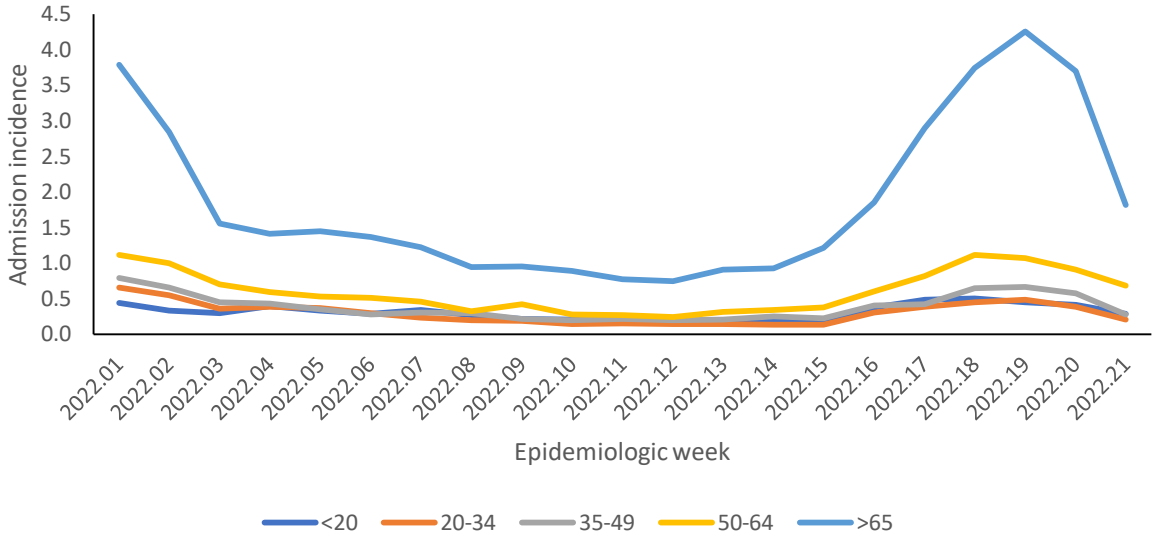

Figure 19a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Gauteng, week 1-21 2022

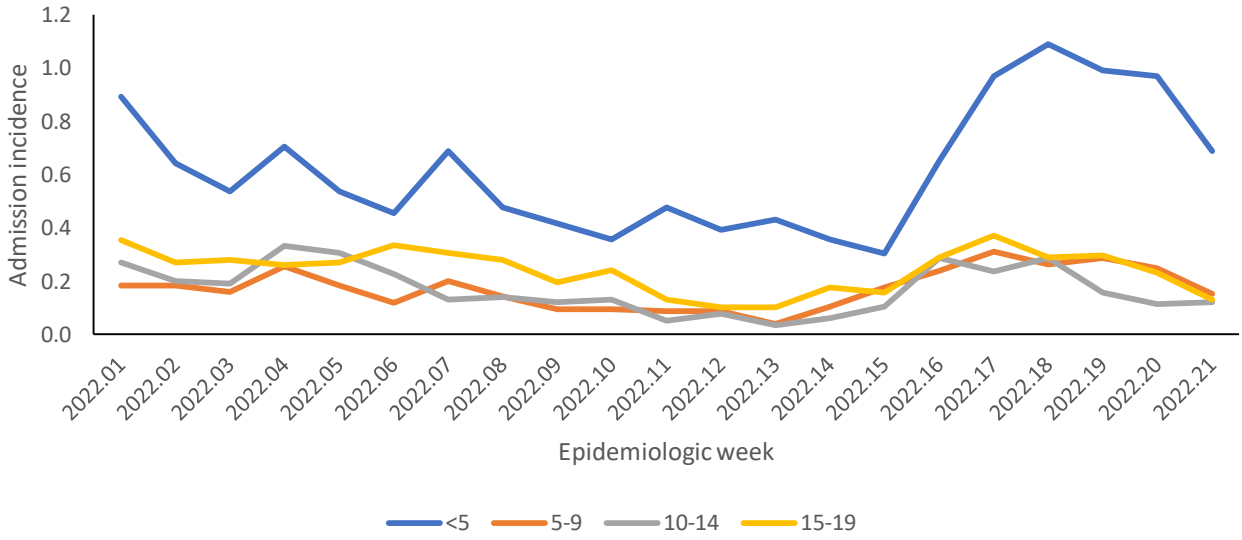

Figure 19b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Gauteng, week 1-21 2022

KwaZulu-Natal

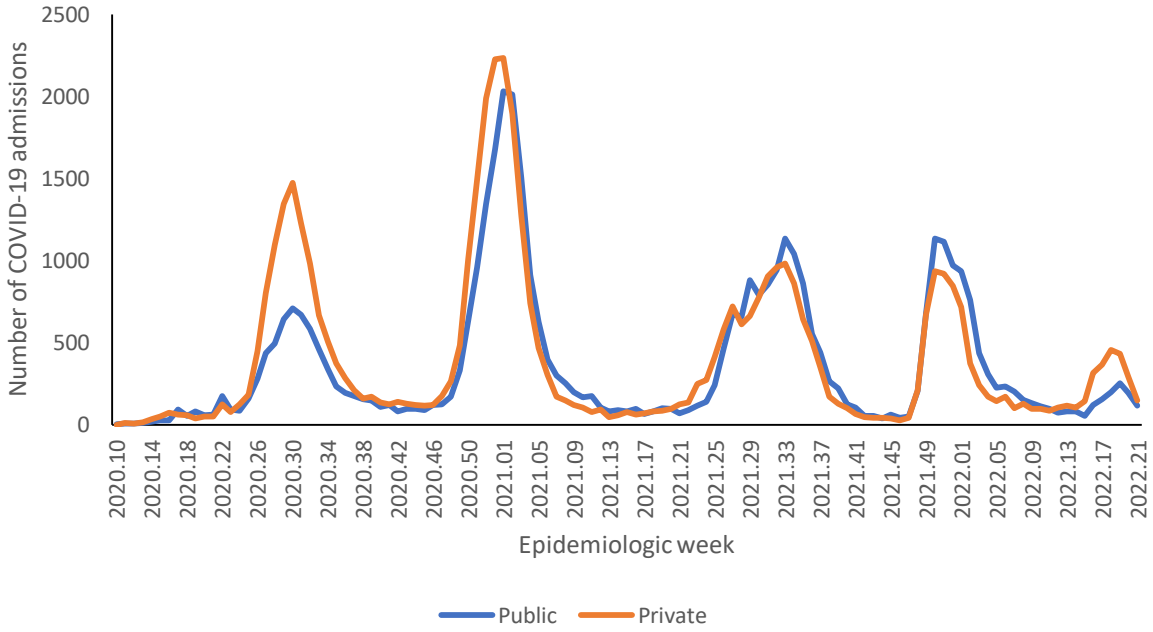

Figure 20: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, KwaZulu-Natal, 5 March 2020-28 May 2022, N=87,571

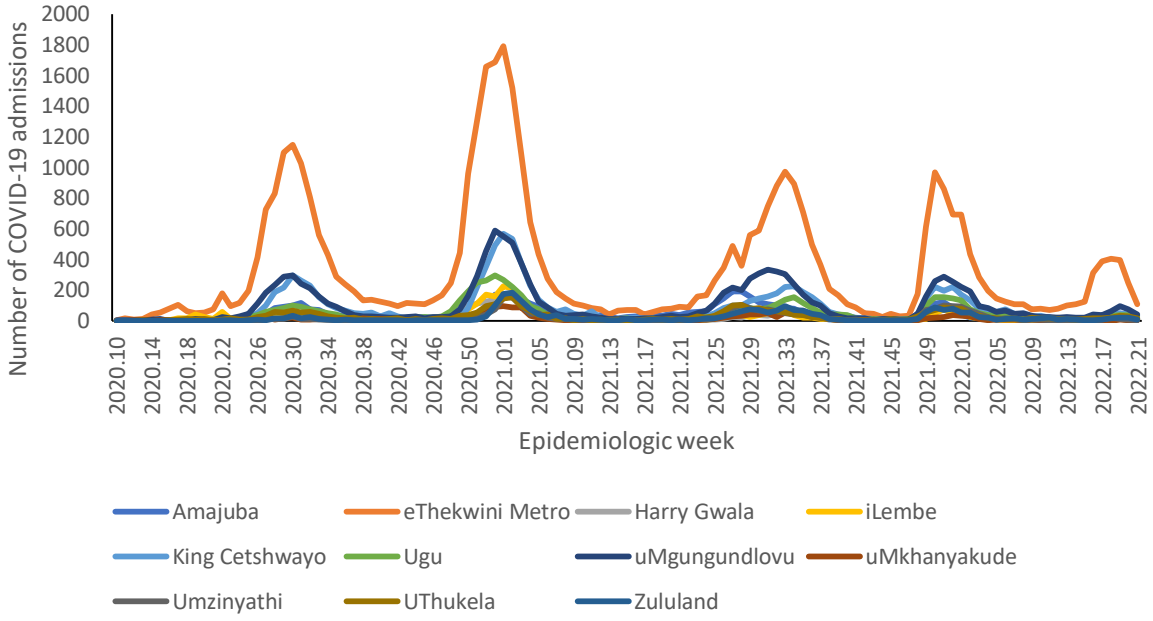

Figure 21: Number of reported COVID-19 admissions, by district and epidemiologic week, KwaZulu-Natal, 5 March 2020-28 May 2022, N=87,571

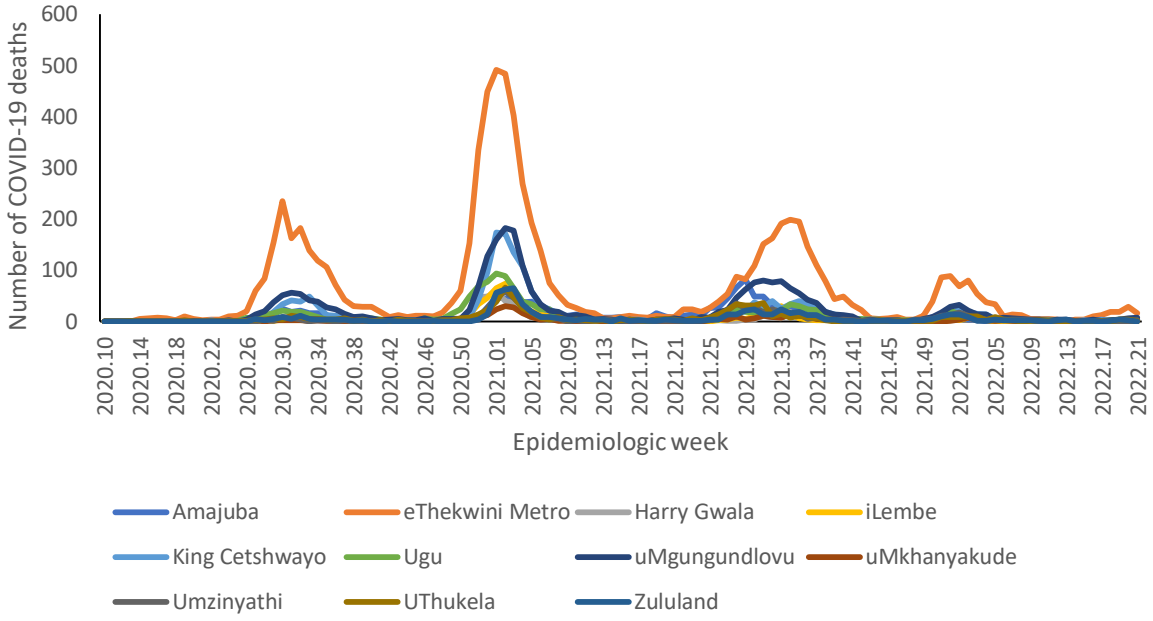

Figure 22: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, KwaZulu-Natal, 5 March 2020-28 May 2022, N=17,378

Table 8: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, KwaZulu-Natal, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Amajuba	1.71	1.36	-20.83	0.07	0.21	200.00
eThekwini Metro	57.00	25.07	-56.02	2.64	3.21	21.62
Harry Gwala	1.93	1.36	-29.63	0.00	0.14	0.00
iLembe	2.57	1.07	-58.33	0.14	0.07	-50.00
King Cetshwayo	6.79	5.14	-24.21	0.29	0.43	50.00
Ugu	5.14	4.29	-16.67	0.36	0.43	20.00
uMgungundlovu	11.14	8.29	-25.64	0.36	0.93	160.00
uMkhanyakude	0.43	0.57	33.33	0.07	0.14	100.00
Umzinyathi	2.14	1.00	-53.33	0.07	0.14	100.00
UThukela	3.93	3.07	-21.82	0.21	0.29	33.33
Zululand	2.57	1.93	-25.00	0.29	0.14	-50.00

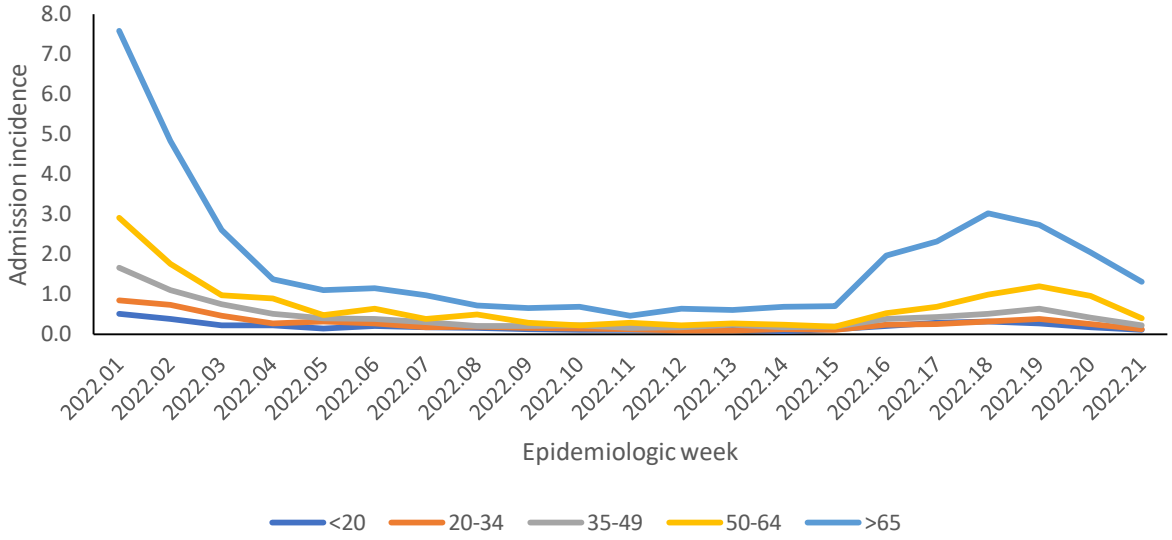

Figure 23a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, KwaZulu-Natal, week 1-21 2022

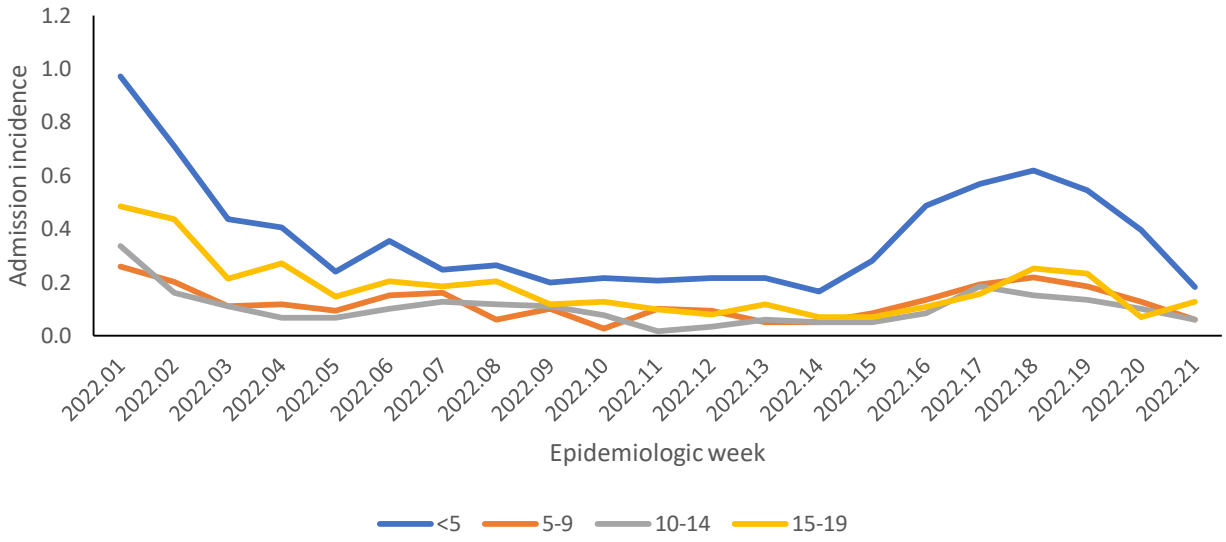

Figure 23b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, KwaZulu-Natal, week 1-21 2022

Limpopo

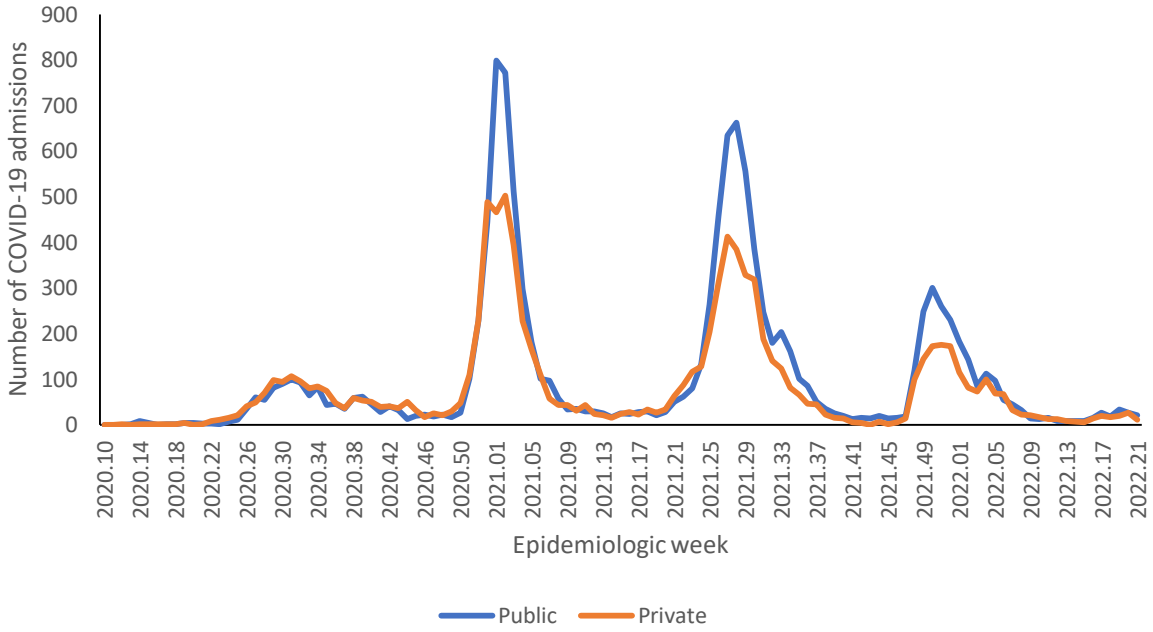

Figure 24: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Limpopo, 5 March 2020-28 May 2022, N=20,990

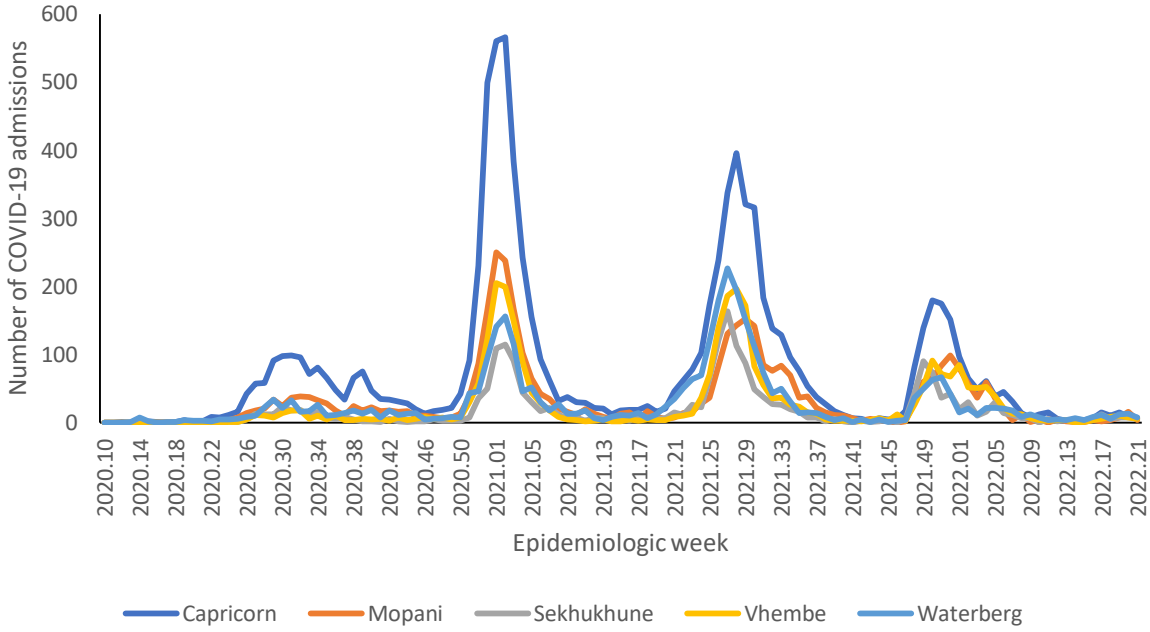

Figure 25: Number of reported COVID-19 admissions, by district and epidemiologic week, Limpopo, 5 March 2020-28 May 2022, N=20,990

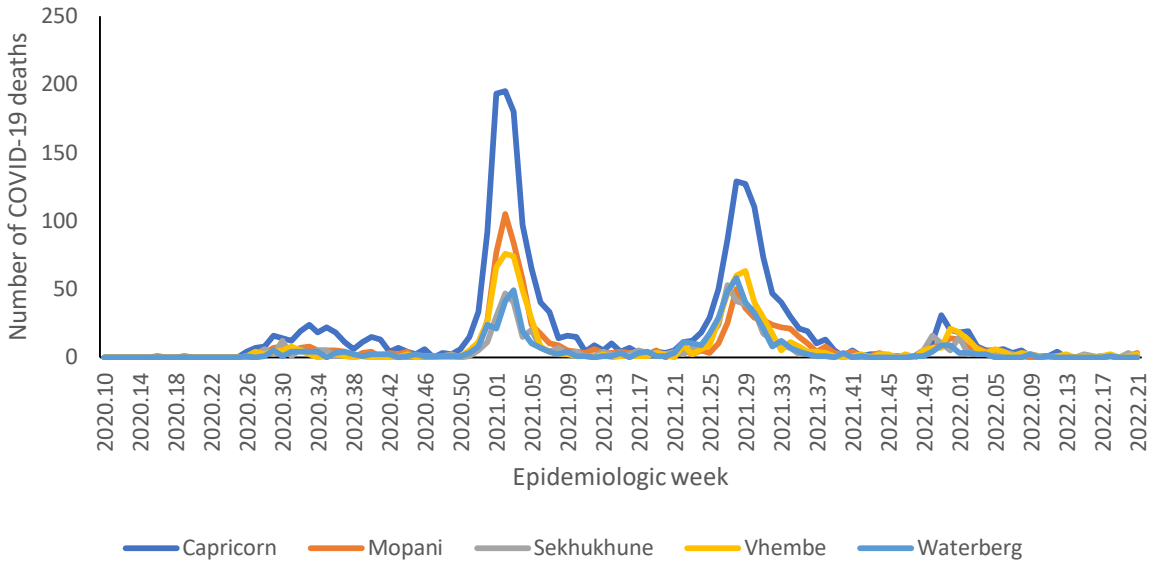

Figure 26: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Limpopo, 5 March 2020-28 May 2022, N=5,326

Table 9: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Limpopo, 30 April-28 May 2022 .

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Capricorn	1.79	1.07	-40.00	0.07	0.14	100.00
Mopani	0.86	1.43	66.67	0.07	0.29	300.00
Sekhukhune	1.00	1.14	14.29	0.07	0.21	200.00
Vhembe	1.36	1.00	-26.32	0.14	0.21	50.00
Waterberg	1.29	1.50	16.67	0.07	0.00	-100.00

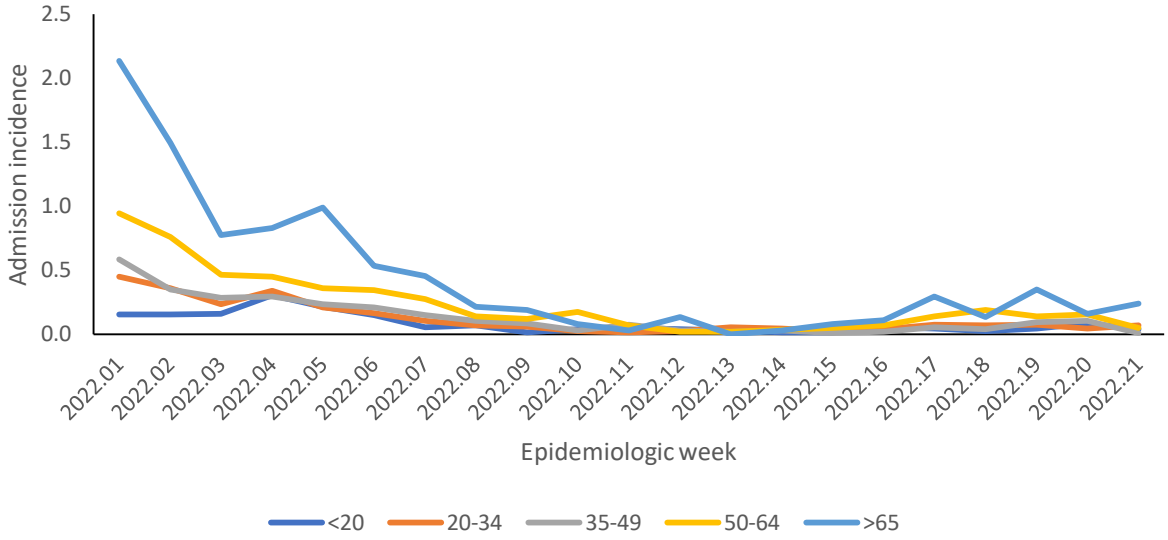

Figure 27a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Limpopo, week 1-21 2022

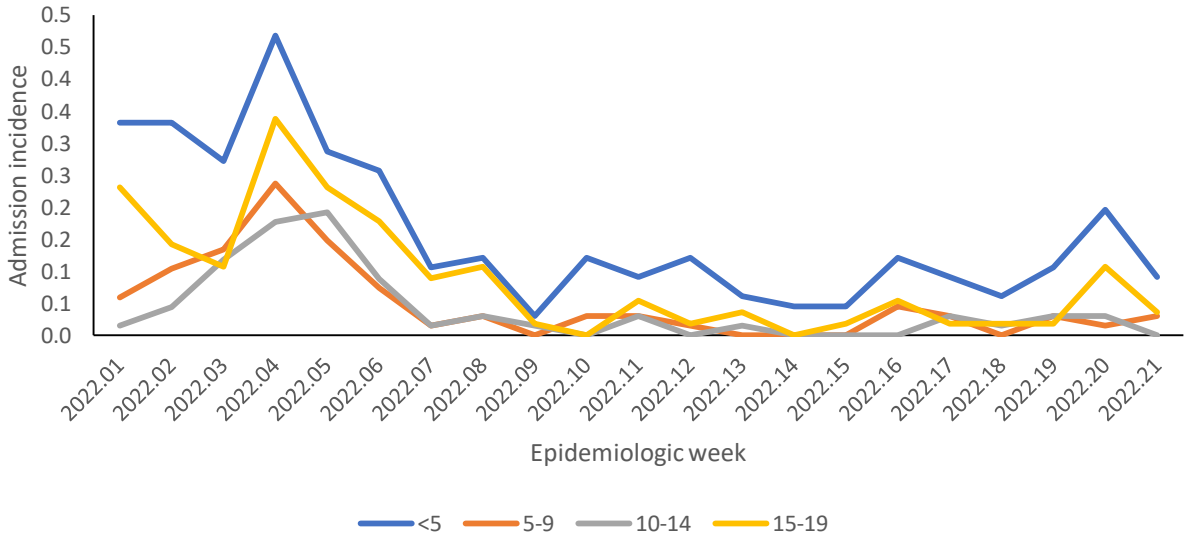

Figure 27b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Limpopo, week 1-21 2022

Mpumalanga

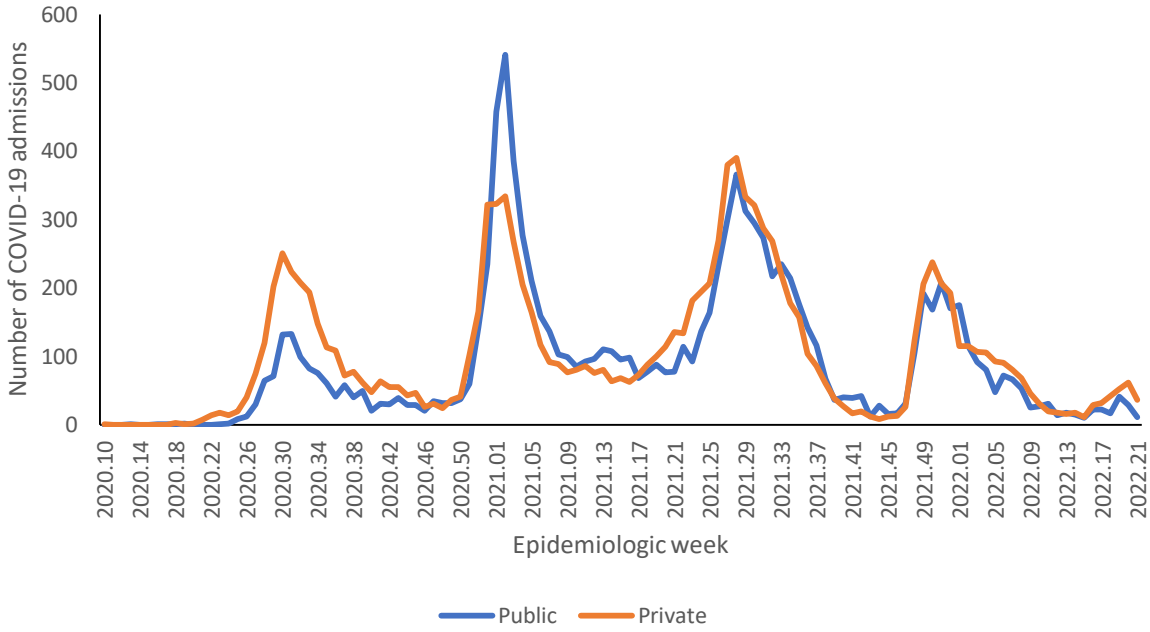

Figure 28: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Mpumalanga, 5 March 2020-28 May 2022, N=22,532

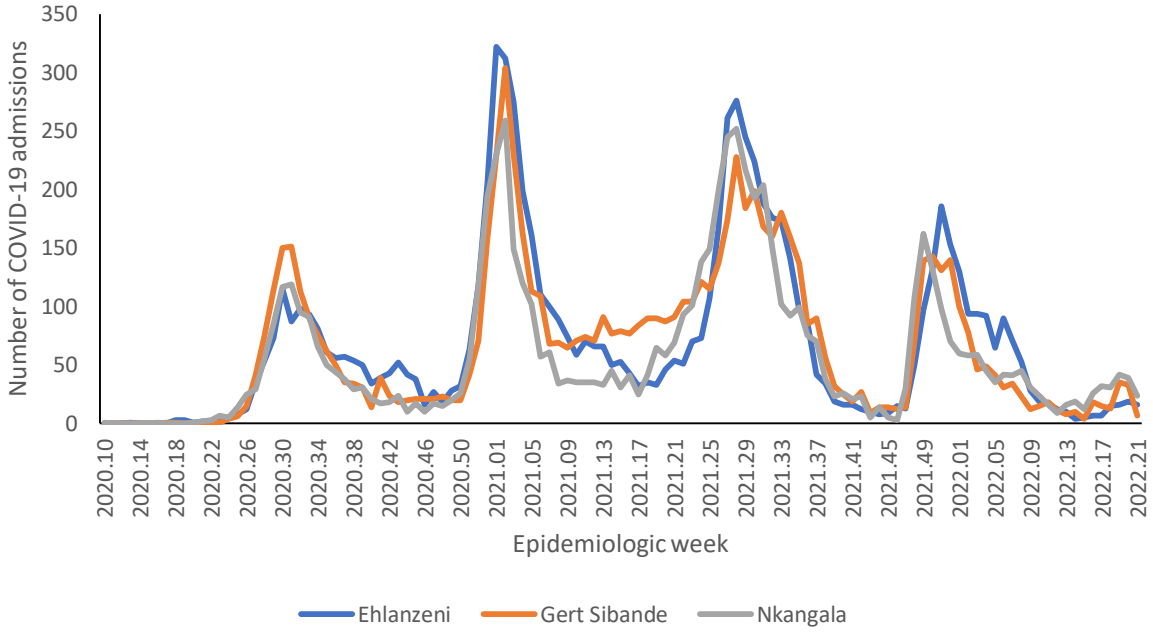

Figure 29: Number of reported COVID-19 admissions, by district and epidemiologic week, Mpumalanga, 5 March 2020-28 May 2022, N=22,532

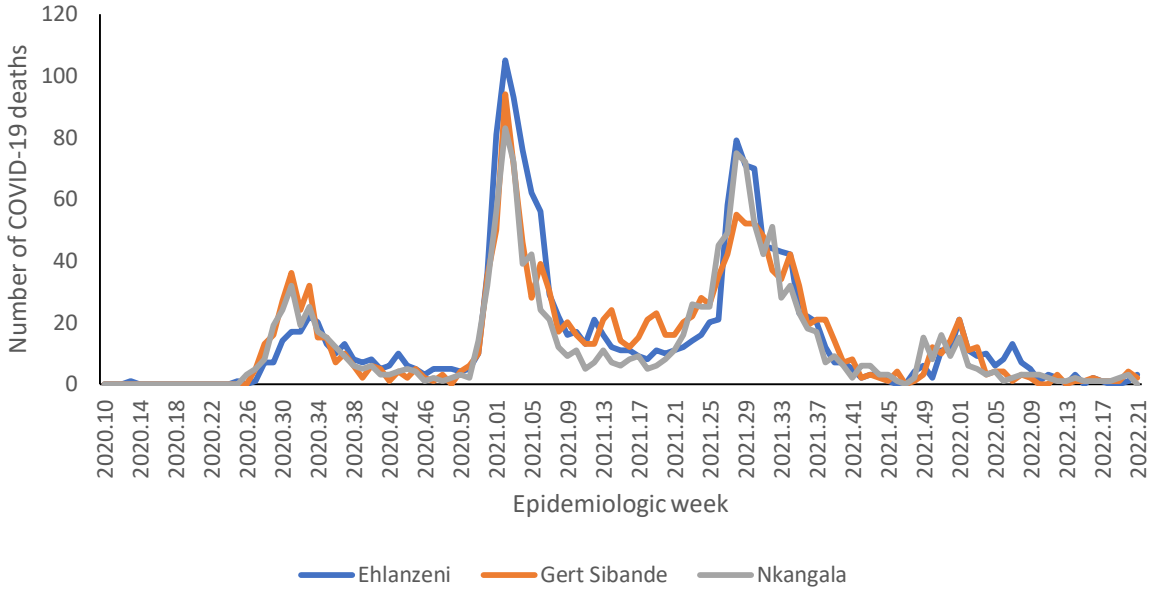

Figure 30: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Mpumalanga, 5 March 2020-28 May 2022, N=4,858

Table 10: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Mpumalanga, 30 April-28 May 2022 .

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Ehlanzeni	2.21	2.50	12.90	0.00	0.29	0.00
Gert Sibande	3.43	2.86	-16.67	0.14	0.43	200.00
Nkangala	5.21	4.50	-13.70	0.21	0.21	0.00

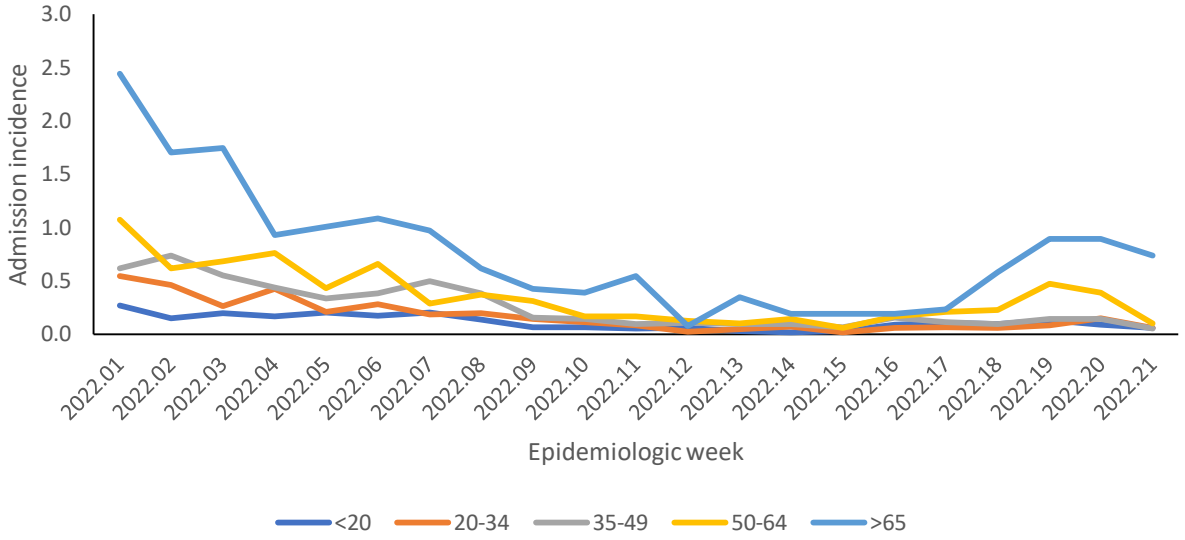

Figure 31a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Mpumalanga, week 1-21 2022

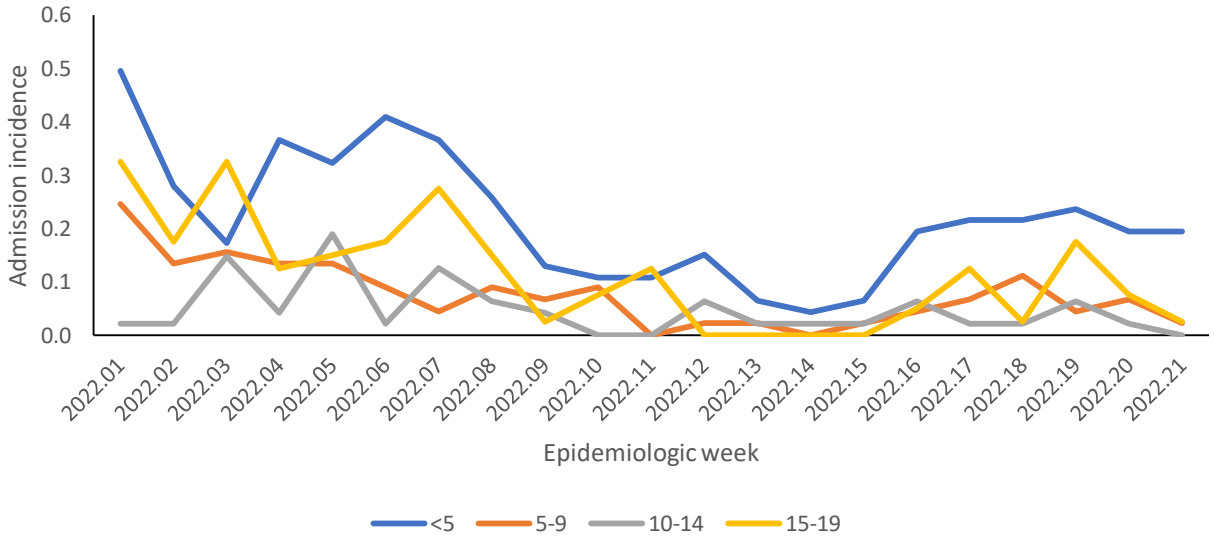

Figure 31b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Mpumalanga, week 1-21 2022

North West

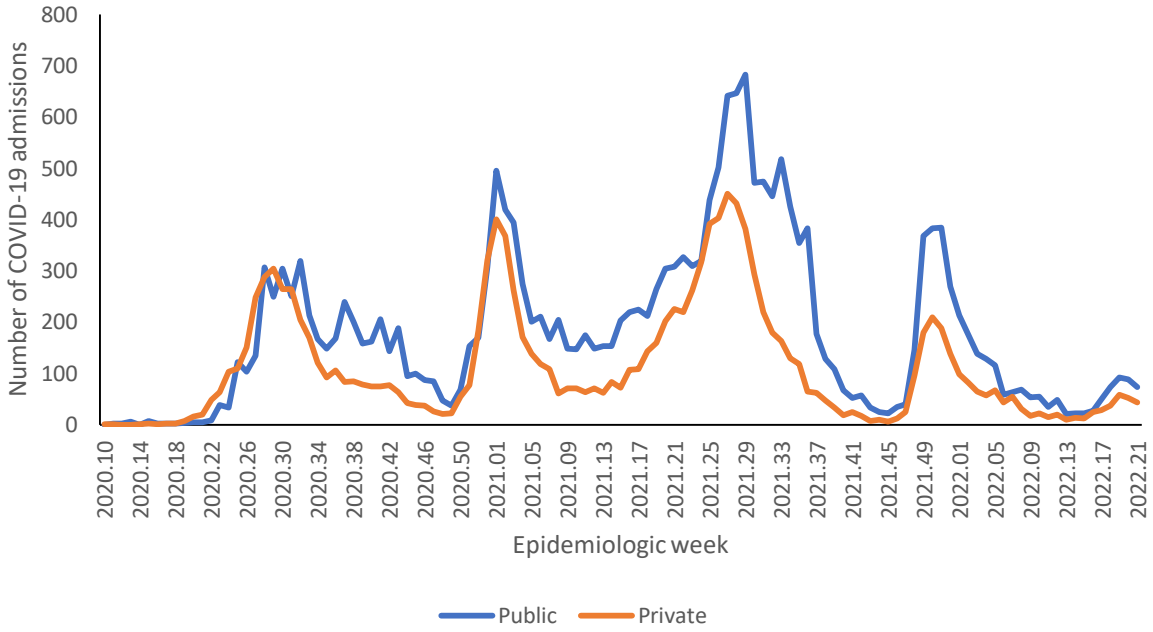

Figure 32: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, North West, 5 March 2020-28 May 2022, N=33,905

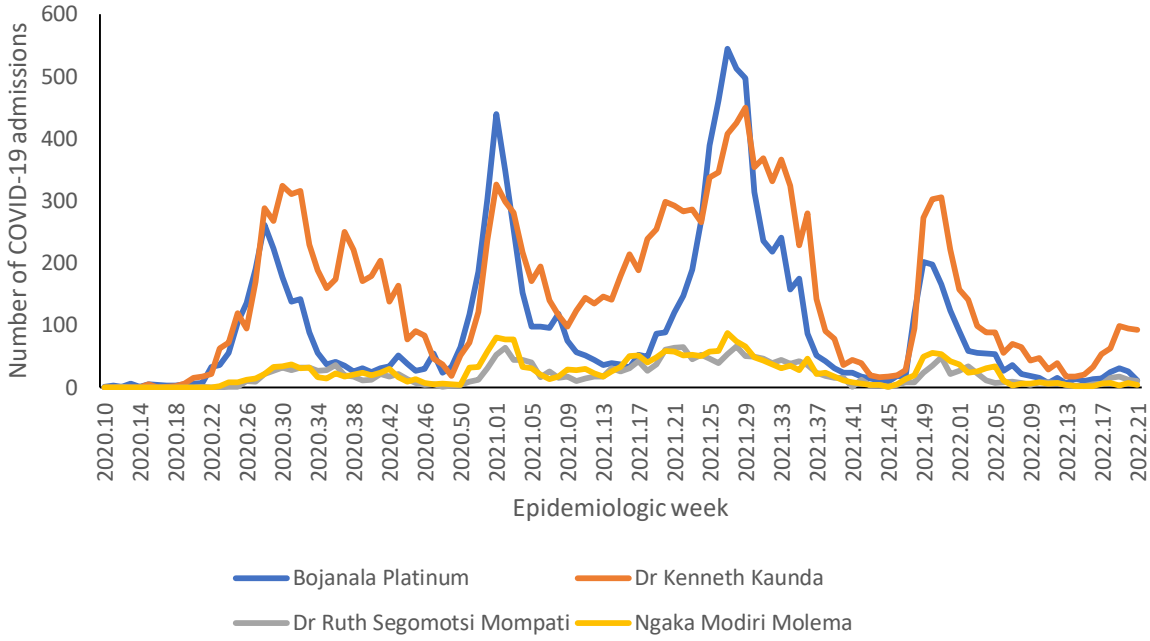

Figure 33: Number of reported COVID-19 admissions, by district and epidemiologic week, North West, 5 March 2020-28 May 2022, N=33,905

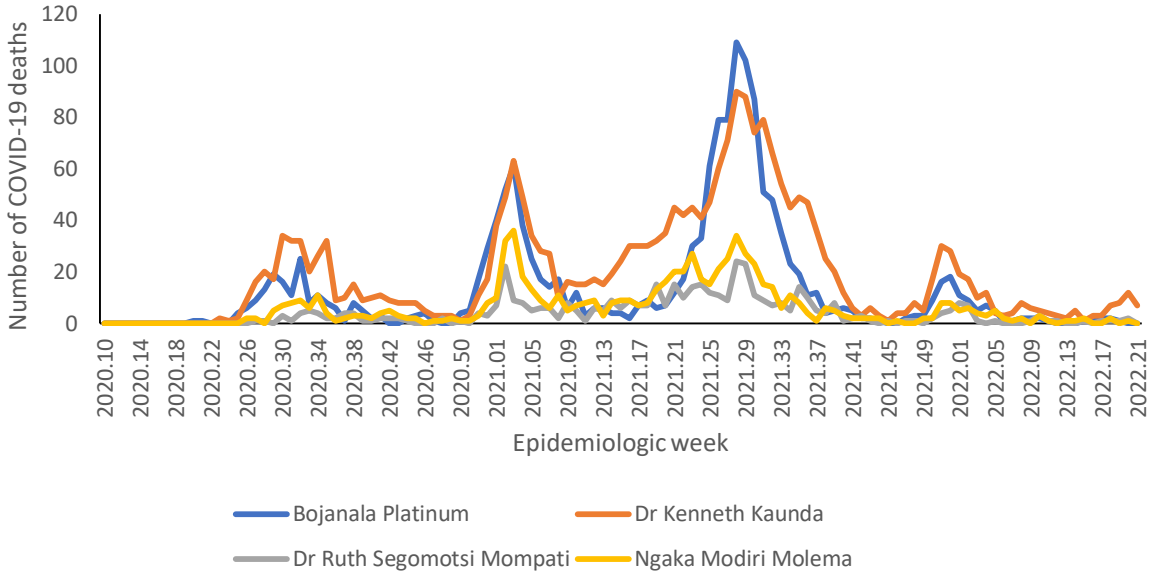

Figure 34: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, North West, 5 March 2020-28 May 2022, N=4,920

Table 11: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, North West, 30 April-28 May 2022 .

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Bojanala Platinum	4.00	2.64	-33.93	0.21	0.00	-100.00
Dr Kenneth Kaunda	11.57	13.43	16.05	1.07	1.36	26.67
Dr Ruth Segomotsi Mompati	2.36	1.57	-33.33	0.14	0.14	0.00
Ngaka Modiri Molema	0.71	0.79	10.00	0.14	0.07	-50.00

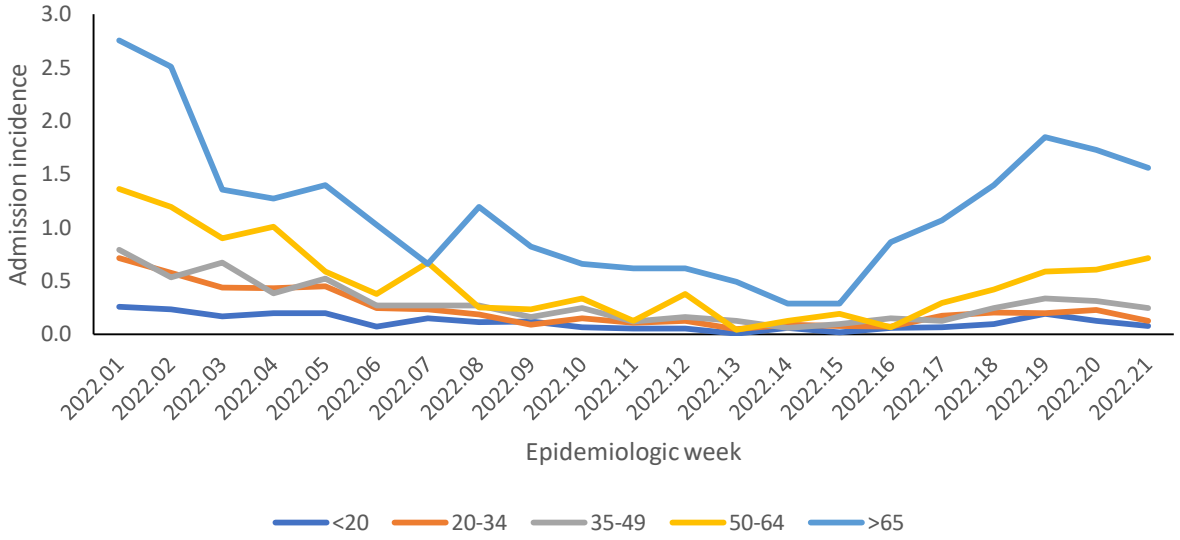

Figure 35a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, North West, week 1-21 2022

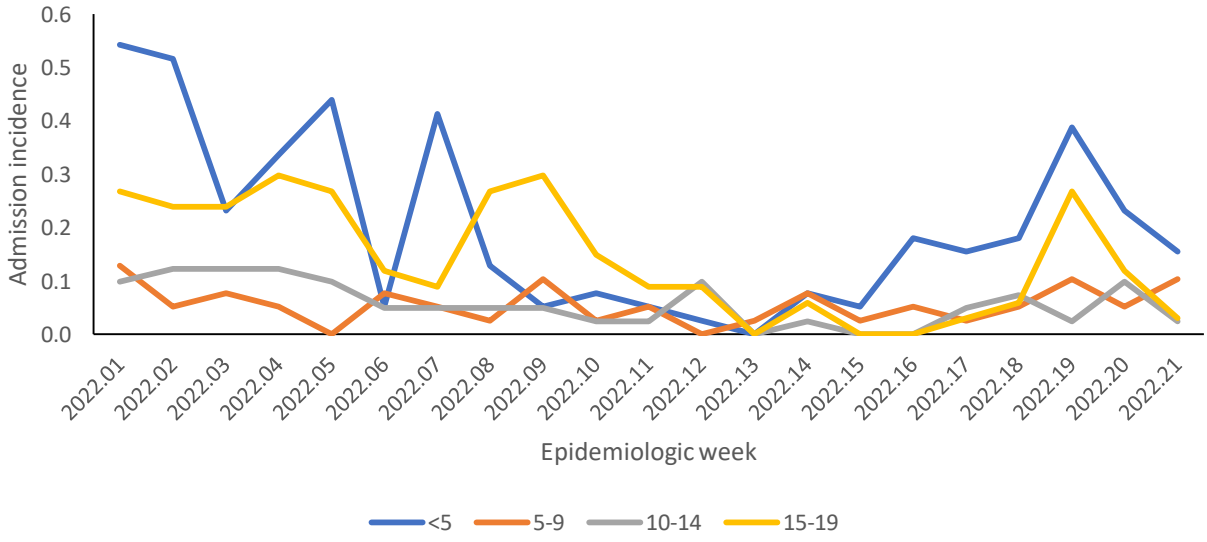

Figure 35b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, North West, week 1-21 2022

Northern Cape

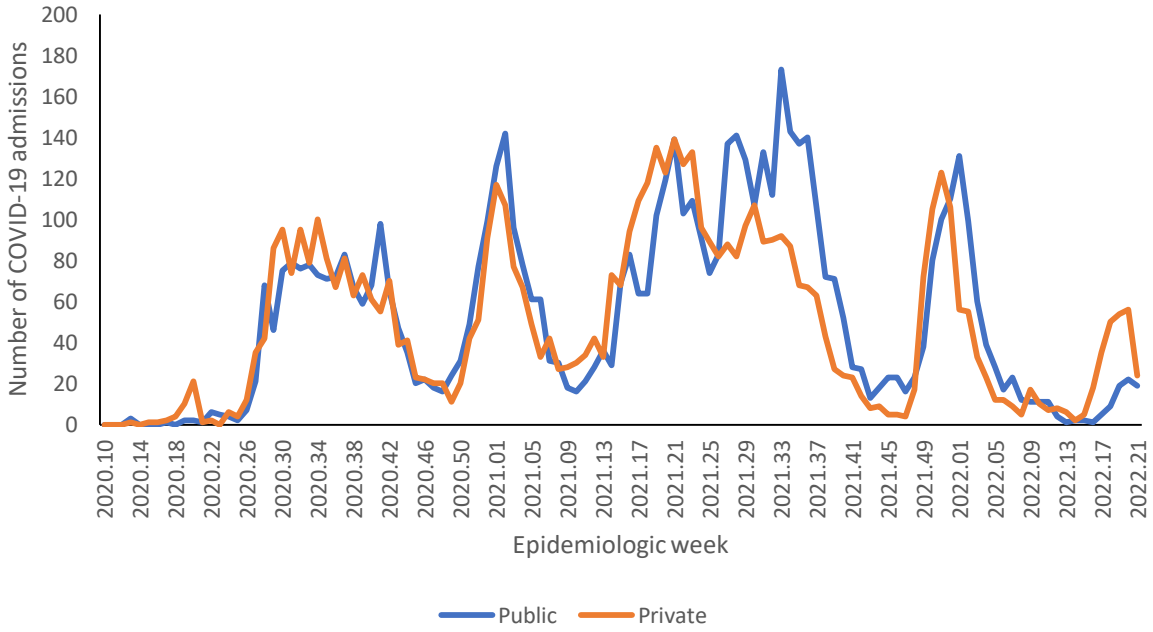

Figure 36: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Northern Cape, 5 March 2020-28 May 2022, N=11,799

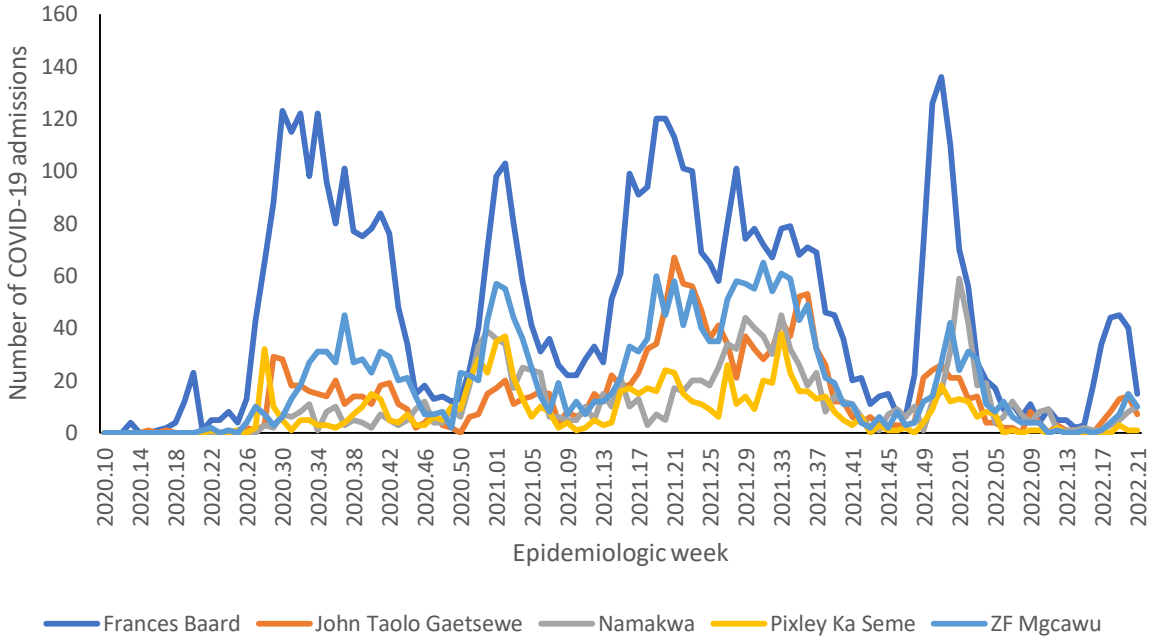

Figure 37: Number of reported COVID-19 admissions by district and epidemiologic week, Northern Cape, 5 March 2020-28 May 2022, N=11,799

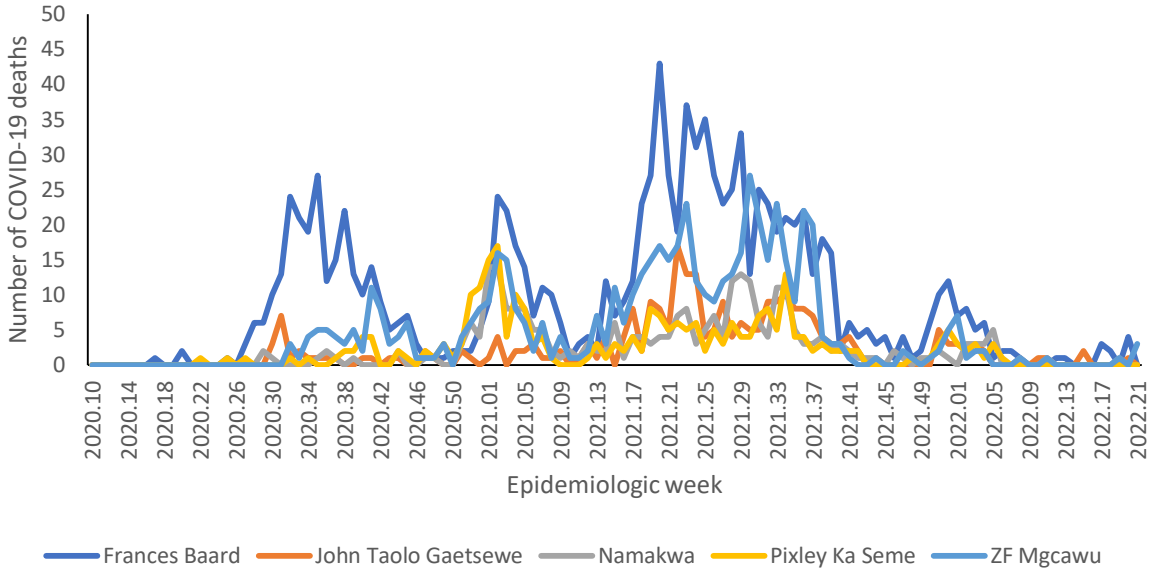

Figure 38: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Northern Cape, 5 March 2020-28 May 2022, N=2,444

Table 12: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Northern Cape, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Frances Baard	6.36	3.93	-38.20	0.14	0.29	100.00
John Taolo Gaetsewe	1.50	1.50	0.00	0.00	0.07	0.00
Namakwa	0.57	1.29	125.00	0.07	0.00	-100.00
Pixley Ka Seme	0.21	0.14	-33.33	0.00	0.00	0.00
ZF Mgcawu	0.79	1.79	127.27	0.07	0.21	200.00

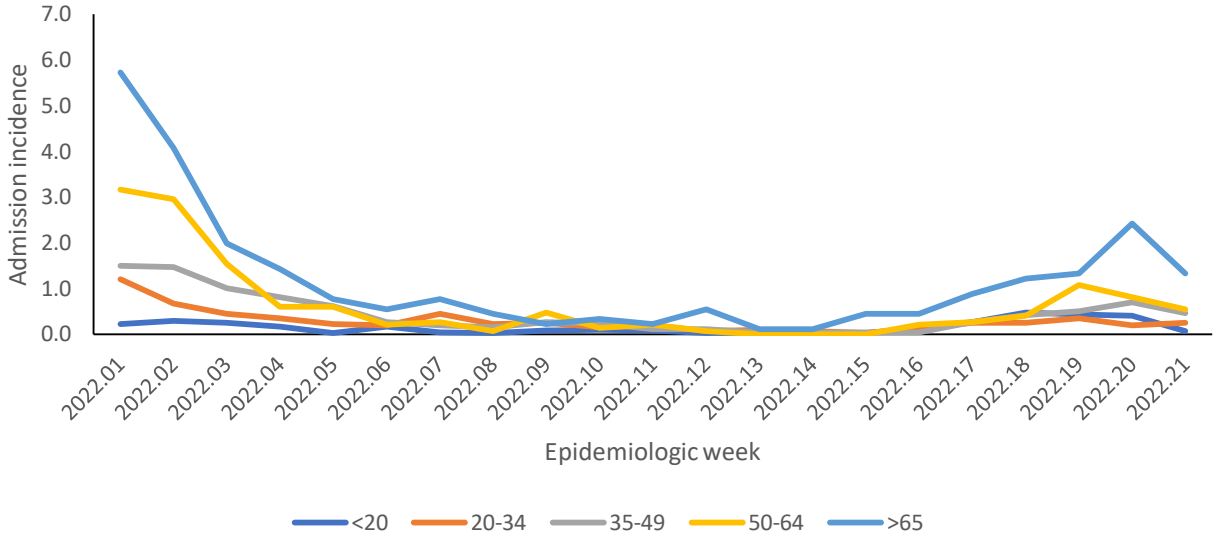

Figure 39a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Northern Cape, week 1-21 2022

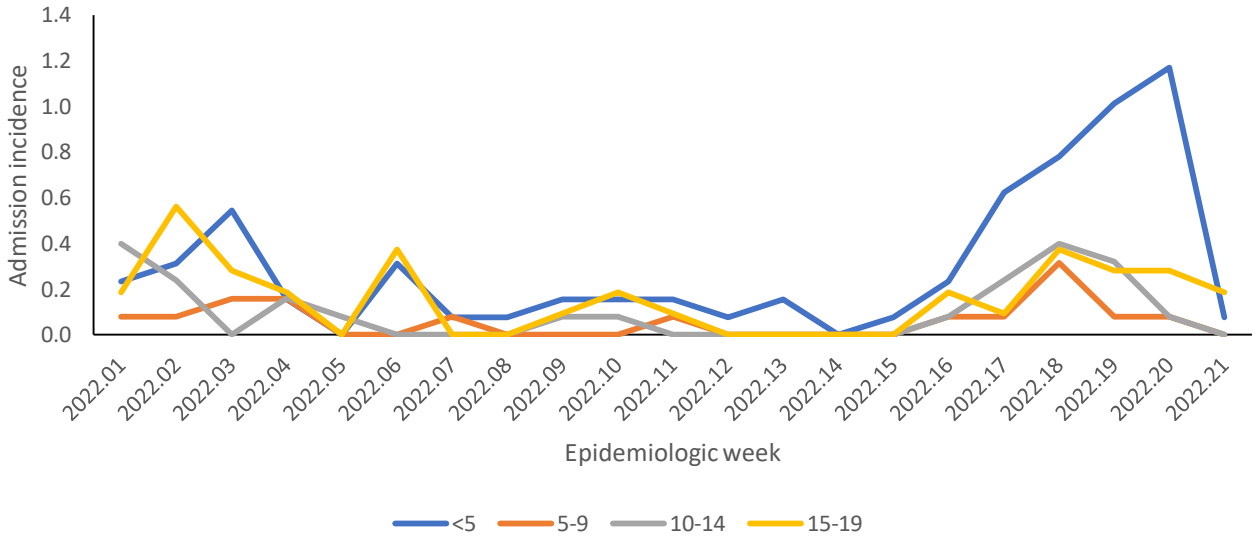

Figure 39b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Northern Cape, week 1-21 2022

Western Cape

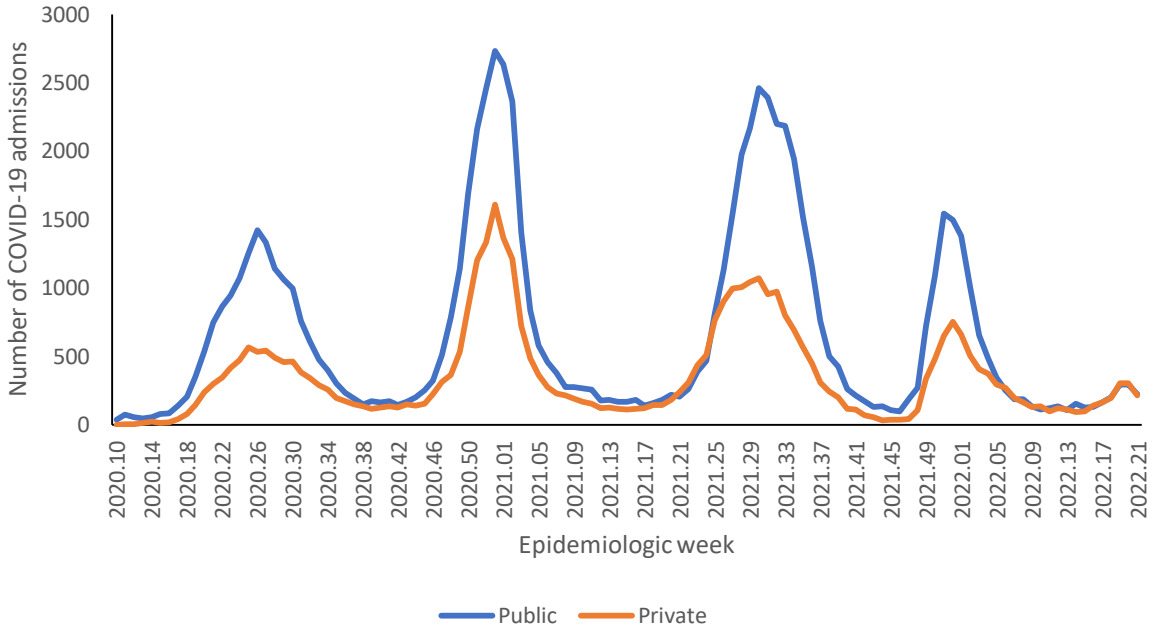

Figure 40: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Western Cape, 5 March 2020-28 May 2022, N=118,867

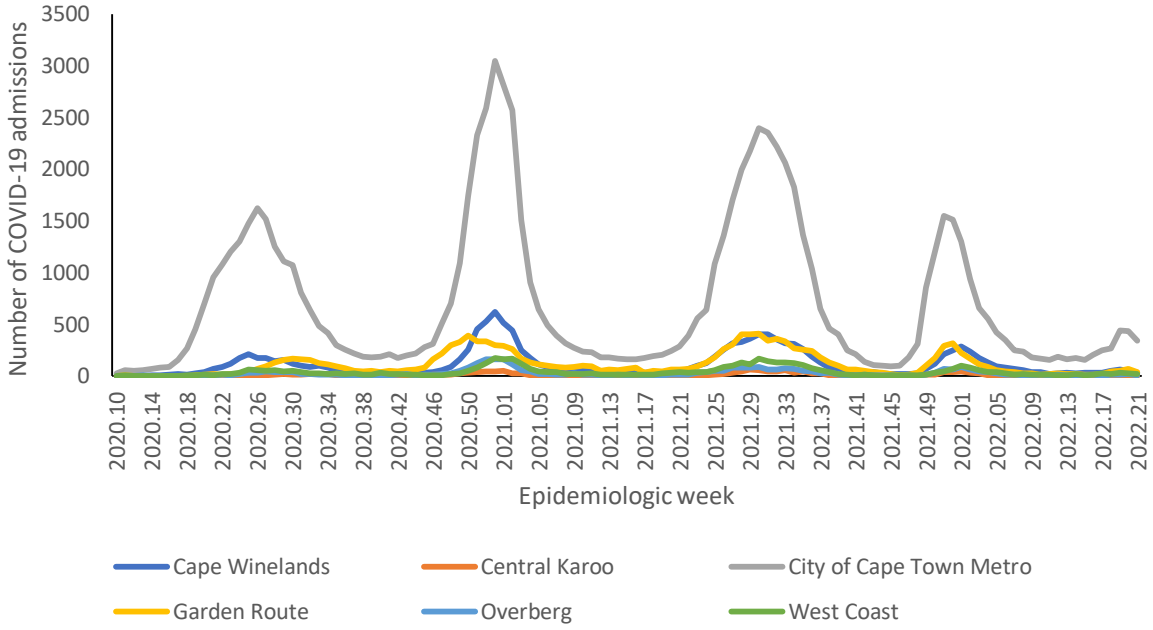

Figure 41: Number of reported COVID-19 admissions, by district and epidemiologic week, Western Cape, 5 March 2020-28 May 2022, N=118,867

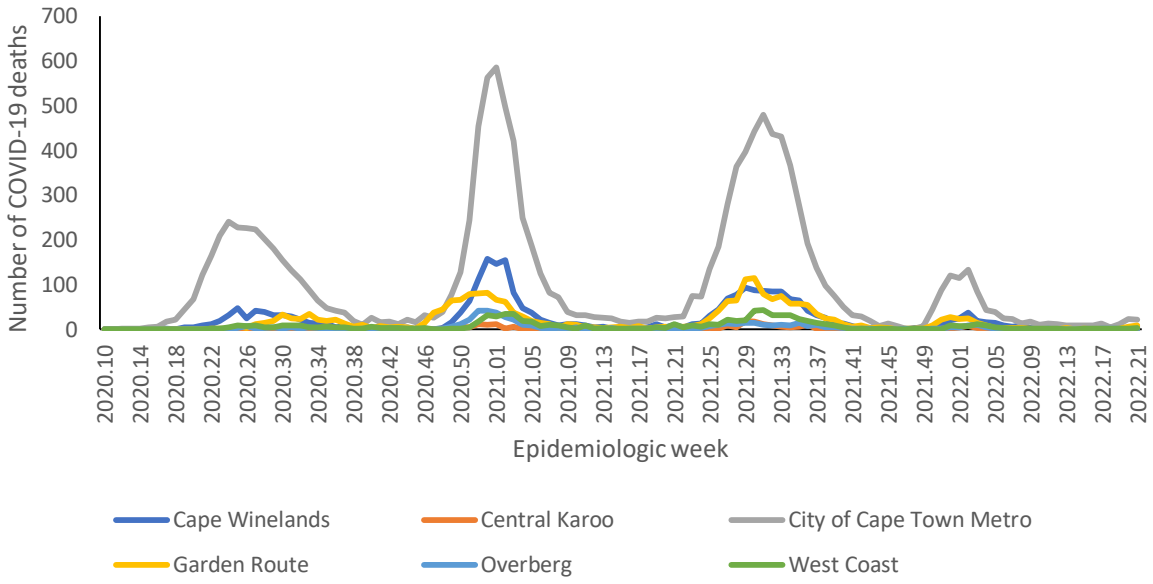

Figure 42: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Western Cape, 5 March 2020-28 May 2022, N=18,688

Table 13: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Western Cape, 30 April-28 May 2022

District	Previous 14 days admissions average	Current 14 days admissions average	Percentage change in admissions	Previous 14 days deaths average	Current 14 days deaths average	Percentage change in deaths
Cape Winelands	8.29	6.00	-27.59	0.57	0.50	-12.50
Central Karoo	0.36	0.71	100.00	0.07	0.07	0.00
City of Cape Town Metro	50.36	55.36	9.93	1.07	3.14	193.33
Garden Route	6.57	7.43	13.04	0.14	1.00	600.00
Overberg	1.79	1.79	0.00	0.21	0.00	-100.00
West Coast	3.57	3.00	-16.00	0.21	0.36	66.67

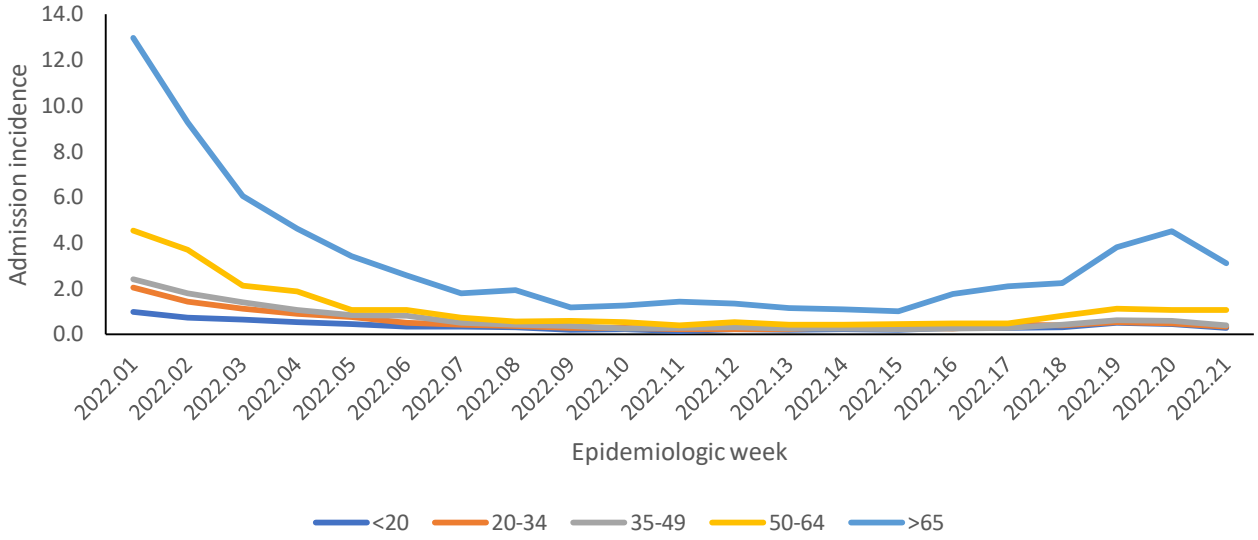

Figure 43a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Western Cape, week 1-21 2022

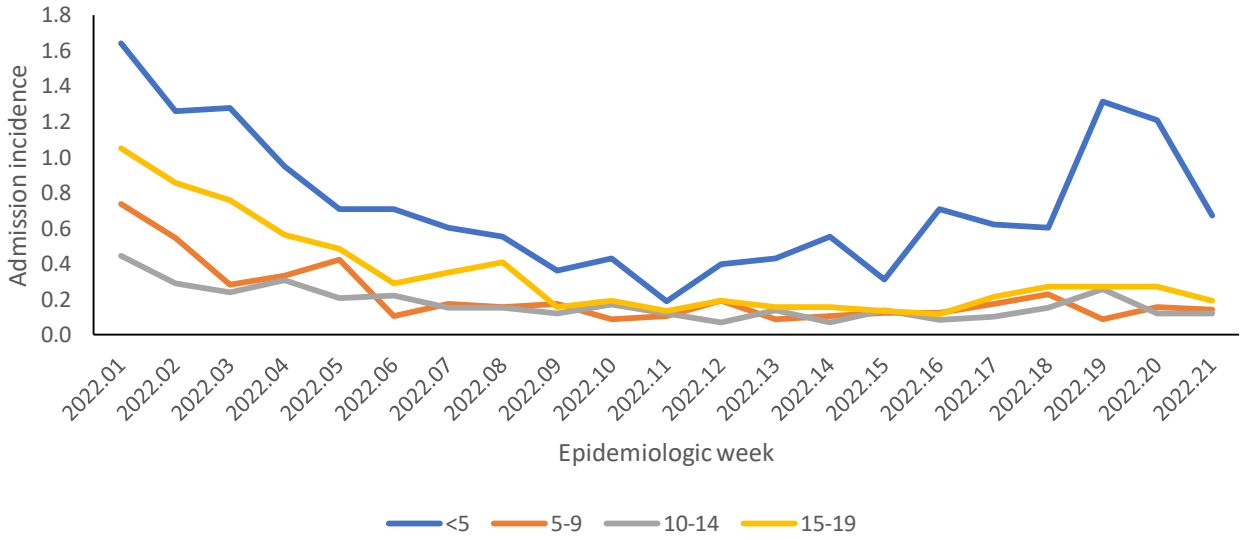

Figure 43b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Western Cape, week 1-21 2022

Limitation

DATCOV now includes reporting from all hospitals with COVID-19 admissions but many hospitals are yet to reach complete submission of historic data. Data quality in a surveillance system is dependent on the information submitted by healthcare institutions. It is not possible for the NICD to verify or check the quality of all these data, however, the NICD has built-in data quality checks. Delays in reporting of admissions and deaths may affect the numbers reported in the most recent week. The National Department of Health have recruited data capturers to support hospitals to improve data submission.

As hospitals reached capacity, admission criteria may change and therefore influence trends and inferences about the progression of the epidemic. DATCOV only reports hospital-based admissions and deaths and therefore does not include deaths occurring outside hospitals. DATCOV now has a module to record out-of-hospital deaths.

Severity data has some inherent limitations. We rely on a proxy indicator for severity and do not have clinical or laboratory parameters to ascertain clinical severity. In the early and late phases of the wave there is likely to be lower severity due to there being sufficient hospital capacity. It may take a few weeks for hospitalisation outcomes to accumulate. Early reporting on case fatality ratio is also biased particularly in older adults who may have longer admissions and are more likely to die.

Acknowledgements

All public and private sector hospitals submitting data to DATCOV

Private hospital groups submitting data to DATCOV:

- Netcare
- Life Healthcare
- Mediclinic Southern Africa
- National Hospital Network (NHN)
- Clinix Health Group
- Lenmed
- Joint Medical Holdings (JMH)

Appendix

Table 14: Percentage incidence change in hospital admissions over 14 days, by district, South Africa, 14 May-28 May 2022

Province	District	Total admissions	Incidence (per 100k)	New admissions	New admissions incidence (per 100k)	% average change (14 days)
Eastern Cape	Alfred Nzo	2726	330.62	12	1.46	-14.29
	Amathole	3288	420.16	6	0.77	0.00
	Buffalo City Metro	10614	1341.01	21	2.65	-19.23
	Chris Hani	5242	735.66	17	2.39	-52.78
	Joe Gqabi	1190	347.02	2	0.58	-33.33
	Nelson Mandela Bay Metro	16691	1383.54	66	5.47	-25.84
	O R Tambo	4995	325.71	10	0.65	-23.08
	Sarah Baartman	3383	701.04	15	3.11	-28.57
Free State	Fezile Dabi	3787	740.30	10	1.95	-69.70
	Lejweleputswa	6618	1013.19	40	6.12	-41.18
	Mangaung Metro	15118	1725.05	73	8.33	-45.11
	Thabo Mofutsanyana	5766	754.43	19	2.49	-32.14
	Xhariep	727	572.25	1	0.79	-83.33
Gauteng	City of Johannesburg Metro	55646	925.40	216	3.59	-45.86
	City of Tshwane Metro	43745	1145.05	233	6.10	-39.79
	Ekurhuleni Metro	33812	835.61	126	3.11	-47.93
	Sedibeng	10003	1026.99	41	4.21	-31.67
	West Rand	13635	1425.64	56	5.86	-40.43
KwaZulu-Natal	Amajuba	4705	829.80	17	3.00	142.86
	eThekwini Metro	40183	1002.17	113	2.82	-57.84
	Harry Gwala	2758	544.92	11	2.17	37.50
	iLembe	3071	441.42	6	0.86	-40.00
	King Cetshwayo	9614	1007.62	34	3.56	-22.73
	Ugu	5862	728.69	26	3.23	-27.78
	uMgungundlovu	11723	1028.41	46	4.04	-44.58
	uMkhanyakude	1507	219.04	3	0.44	-40.00
	Umzinyathi	2373	420.68	6	1.06	-40.00
	UThukela	3268	466.60	15	2.14	-50.00
	Zululand	2517	284.67	7	0.79	-65.00
Limpopo	Capricorn	8666	653.08	6	0.45	-40.00
	Mopani	3799	315.88	4	0.33	-76.47
	Sekhukhune	2141	175.98	8	0.66	-20.00
	Vhembe	3071	214.71	6	0.42	-25.00

	Waterberg	3314	441.78	8	1.07	-38.46
Mpumalanga	Ehlanzeni	7970	435.90	18	0.98	-5.26
	Gert Sibande	7687	606.29	9	0.71	-76.32
	Nkangala	6880	417.65	26	1.58	-45.83
North West	Bojanala Platinum	11351	582.65	12	0.62	-57.14
	Dr Kenneth Kaunda	17397	2165.69	98	12.20	-10.09
	Dr Ruth Segomotsi Mompati	2372	508.44	10	2.14	-23.08
	Ngaka Modiri Molema	2789	308.22	4	0.44	-42.86
Northern Cape	Frances Baard	5548	1333.75	17	4.09	-60.47
	John Taolo Gaetsewe	1677	606.82	7	2.53	-53.33
	Namakwa	1351	1154.79	12	10.26	33.33
	Pixley Ka Seme	921	437.71	1	0.48	0.00
	ZF Mgcawu	2306	813.94	10	3.53	-37.50
Western Cape	Cape Winelands	13492	1411.57	46	4.81	-34.29
	Central Karoo	1393	1837.92	7	9.24	-41.67
	City of Cape Town Metro	83225	1778.73	453	9.68	-24.25
	Garden Route	13203	2101.57	53	8.44	-41.76
	Overberg	3267	1069.29	10	3.27	-52.38
	West Coast	4504	959.33	24	5.11	-11.11

Table 15: Number of reported COVID-19 admissions and in-hospital deaths by age and gender, South Africa, 5 March 2020-28 May 2022

	ADMISSIONS				DEATHS			
Age Group (Years)	**Female**	**Male**	**Unknown**	**Total**	**Female**	**Male**	**Unknown**	**Total**
0-4	6948	8843	43	15834	178	203	3	384
5-9	1972	2613	8	4593	30	32	0	62
10-14	2652	2741	11	5404	66	69	0	135
15-19	7237	4068	6	11311	155	136	0	291
20-24	11143	5600	10	16753	350	266	1	617
25-29	17634	7922	14	25570	752	516	1	1269
30-34	22540	12537	13	35090	1289	1102	1	2392
35-39	23144	16398	22	39564	1832	1731	4	3567
40-44	20453	18123	14	38590	2250	2329	0	4579
45-49	22549	22088	12	44649	3211	3415	1	6627
50-54	26033	24415	10	50458	4376	4541	2	8919
55-59	28920	26404	15	55339	6188	6212	5	12405
60-64	25757	23591	20	49368	6649	6870	6	13525
65-69	22288	19823	17	42128	6894	6461	6	13361
70-74	19073	16775	19	35867	6140	5973	4	12117
75-79	14487	11945	9	26441	4874	4557	3	9434
80-84	11064	7839	8	18911	4001	3132	3	7136
85-89	6081	3787	2	9870	2255	1646	0	3901
90-94	2651	1332	1	3984	1104	633	0	1737
>=95	814	383	3	1200	363	159	0	522
Unknown	888	692	47	1627	48	44	0	92
Total	**294328**	**237919**	**304**	**532551**	**53005**	**50027**	**40**	**103072**