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

COVID-19 Hospital Surveillance
Update: Week 19, 2022

Overview of report

This report summarises data of COVID-19 cases admitted to DATCOV hospital surveillance sites in all provinces. The report is based on data collected from 5 March 2020 to 14 May 2022.

Highlights

- From 5 March 2020 to 14 May 2022, 526,289 COVID-19 admissions and 102,615 in-hospital deaths were reported to DATCOV from 669 facilities (407 public-sector and 262 private-sector) in all nine provinces of South Africa.
- There was 9% decrease in the number of new admissions in week 19 2022 (2,394) compared to the number of admissions in week 18 2022 (2,636). 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 (881/2,394, 36.8%), followed by KwaZulu-Natal (490/2,394, 20.5%) and Western Cape (416/2,394, 17.4%). The lowest number of admissions was in Limpopo (37/2,394,1.5%).
- There was an increase in the average daily COVID-19 admissions comparing the previous 14 days and the current 14 days in all the provinces except in Limpopo; and a small increase in deaths comparing the previous 14 days and the current 14 days in Eastern Cape, Free State, Gauteng, KwaZulu-Natal, Limpopo, North West and Northern Cape.
- In the past week, 24 out of 52 districts (46.2%) showed an increase in percentage incidence change in hospital admissions over 14 days: Amathole, Joe Gqabi, Nelson Mandela Bay Metro and O.R Tambo (Eastern Cape), Lejweleputswa, Thabo Mofutsanyana and Xhariep (Free State), Amajuba, King Cetshwayo, uMgungundlovu and UThukela (KwaZulu-Natal), Mopani, Vhembe and Waterberg (Limpopo), Ehlanzeni, Gert Sibande and Nkangala(Mpumalanga), Dr Kenneth Kaunda (North West) John Taolo Gaetsewe, Pixley Ka Seme and ZF Mgcawu (Northern Cape) and Central Karoo, City of Cape Town Metro Cape and West Coast (Western Cape).
- The highest weekly incidence risk of COVID-19 admissions reported in week 19 of 2022 was in the ≥65-year age group (18.0 admissions per 100 000 persons), and the lowest weekly incidence risk was in the 10-14-year age group (0.8 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 14 May 2022, a total of 669 facilities submitted data on hospitalised COVID-19 cases, 407 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 2020-14 May 2022.

Facilities reporting	Public	Private
Eastern Cape	86	18
Free State	35	20
Gauteng	40	99
KwaZulu-Natal	69	47
Limpopo	41	7
Mpumalanga	31	9
North West	17	13
Northern Cape	29	6
Western Cape	59	43
South Africa	407	262

Results

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

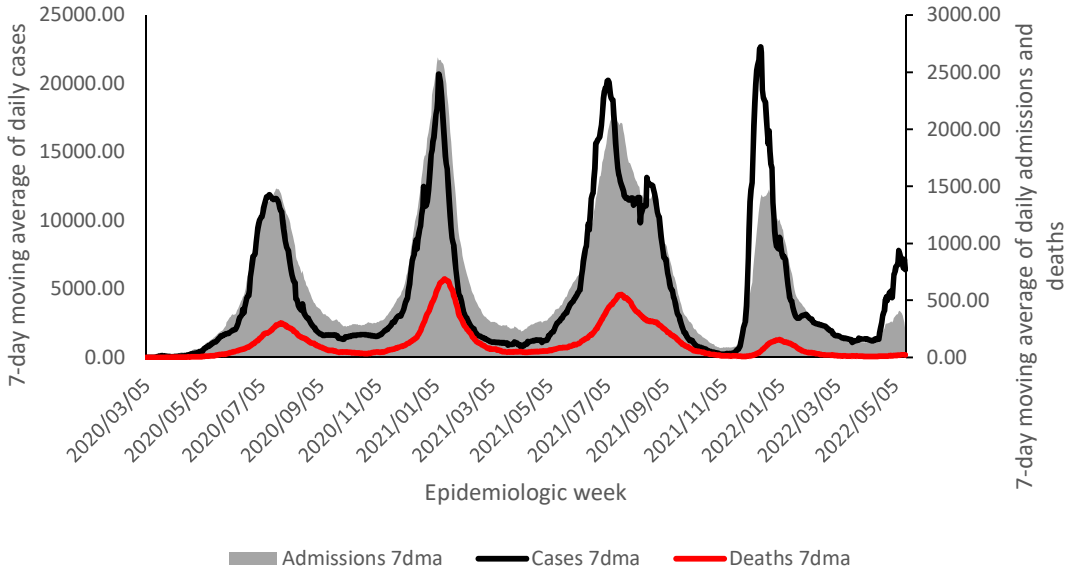

Figure 1: 7-day moving average of SARS-CoV-2 cases, COVID-19 admissions and in-hospital deaths, South Africa, 5 March 2020-14 May 2022

Epidemiological and demographic trends in admissions

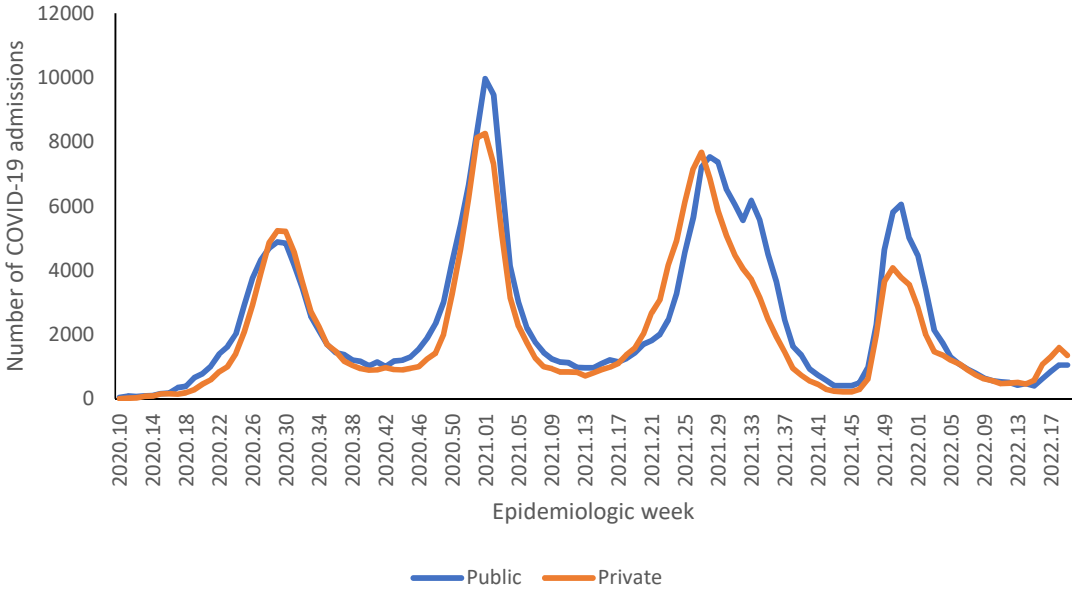

Figure 2: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, South Africa, 5 March 2020-14 May 2022, N=526,289

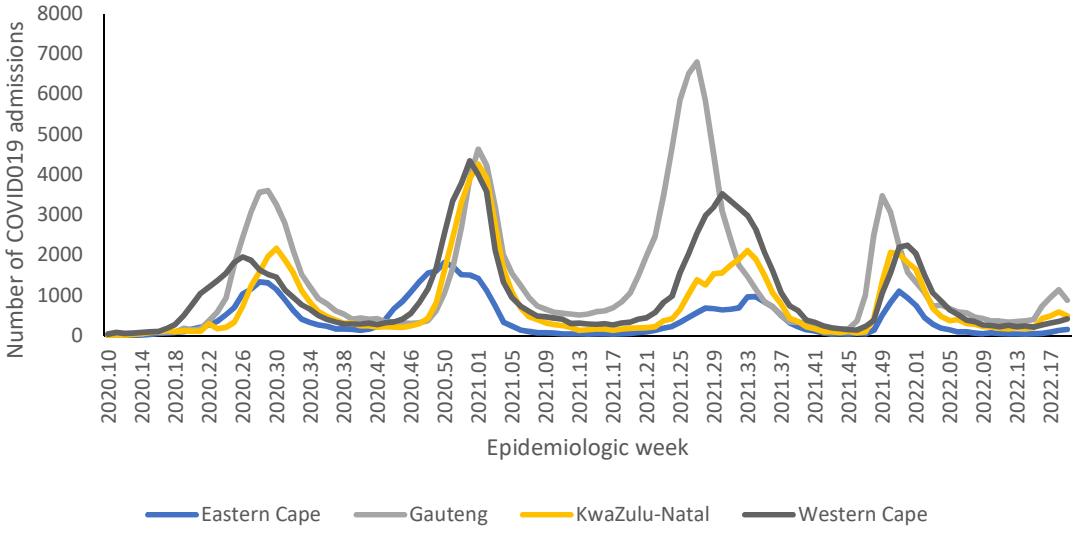

Figure 3a: Number of reported COVID-19 admissions, by provinces with highest admissions and epidemiologic week of diagnosis, South Africa, 5 March 2020-14 May 2022, N=526,289

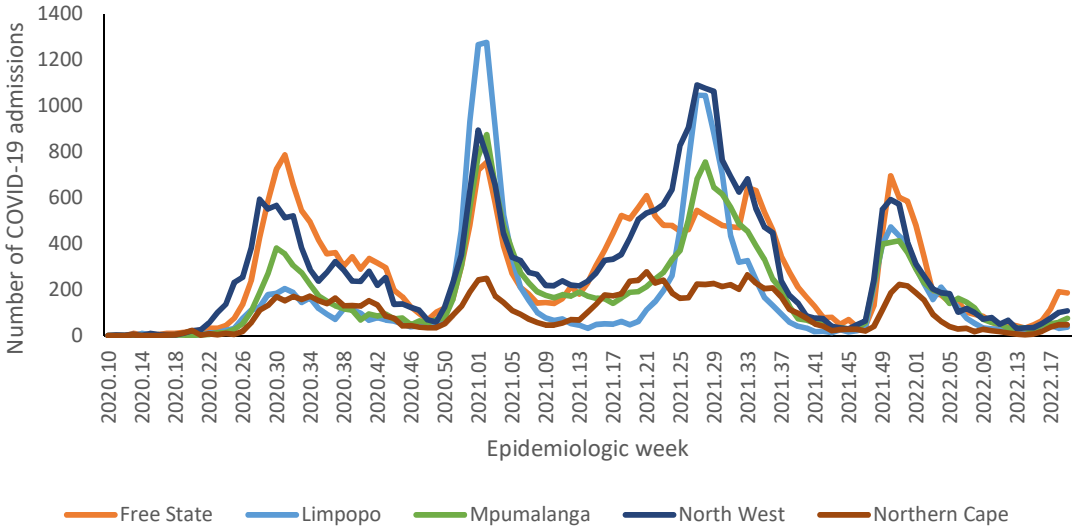

Figure 3b: Number of reported COVID-19 admissions, by provinces with lowest admissions and epidemiologic week of diagnosis, South Africa, 5 March 2020-14 May 2022, N=526,289

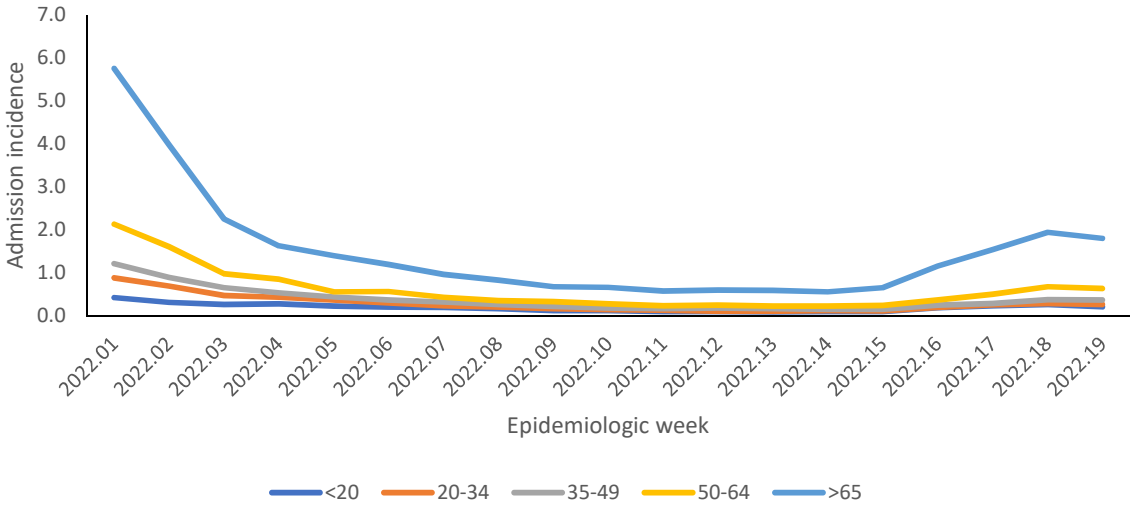

Figure 4a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week, South Africa, week 1-19 2022

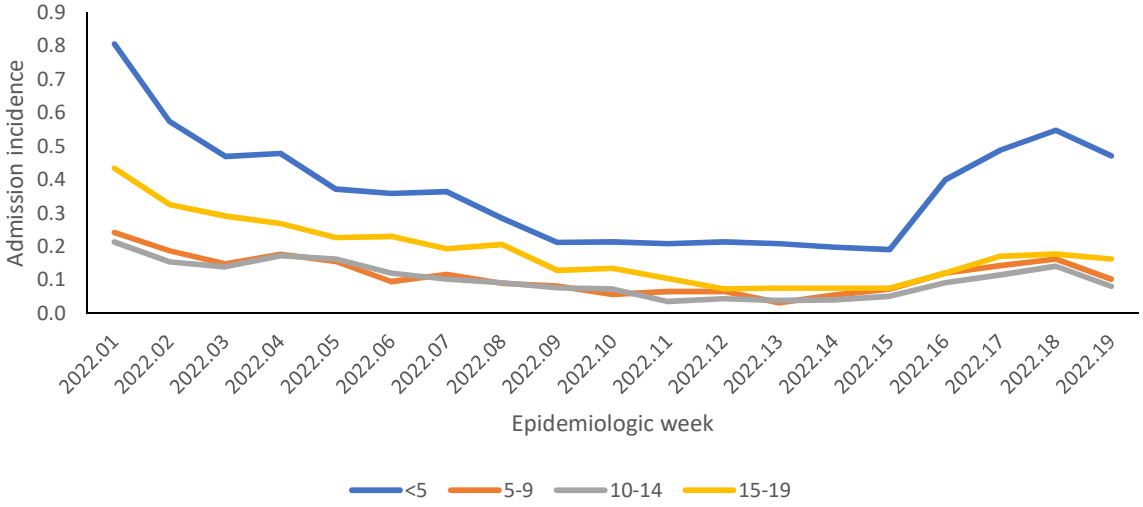

Figure 4b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years and epidemiologic week of diagnosis, South Africa, week 1-19 2022

Epidemiological and demographic trends in in-hospital mortality

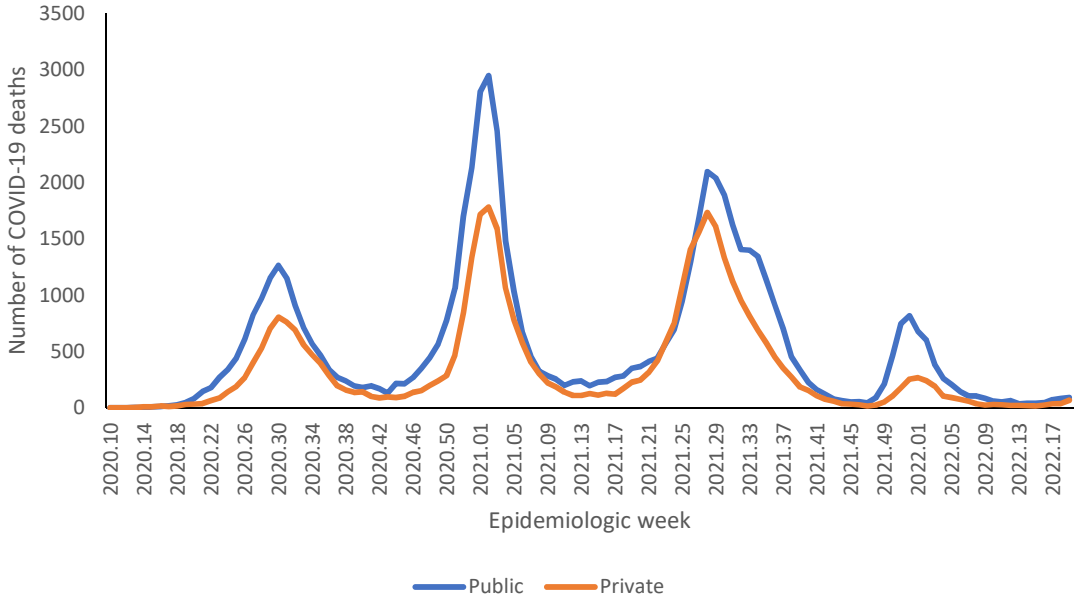

Figure 5: Number of reported COVID-19 in-hospital deaths, by health sector and epidemiologic week, South Africa, 5 March 2020-14 May 2022, N=102,615

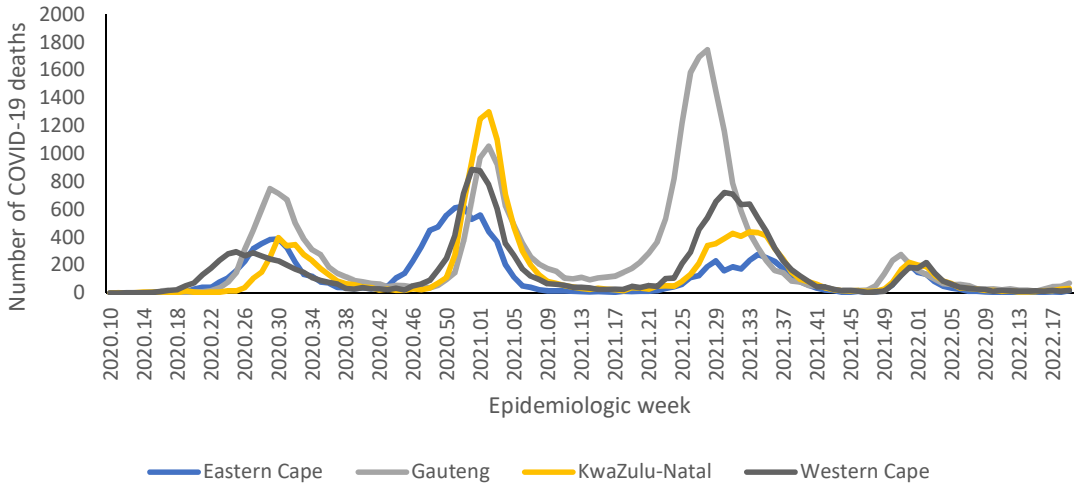

Figure 6a: Number of reported COVID-19 in-hospital deaths, by province with highest deaths and epidemiologic week of death, South Africa, 5 March 2020-14 May 2022, N=102,615

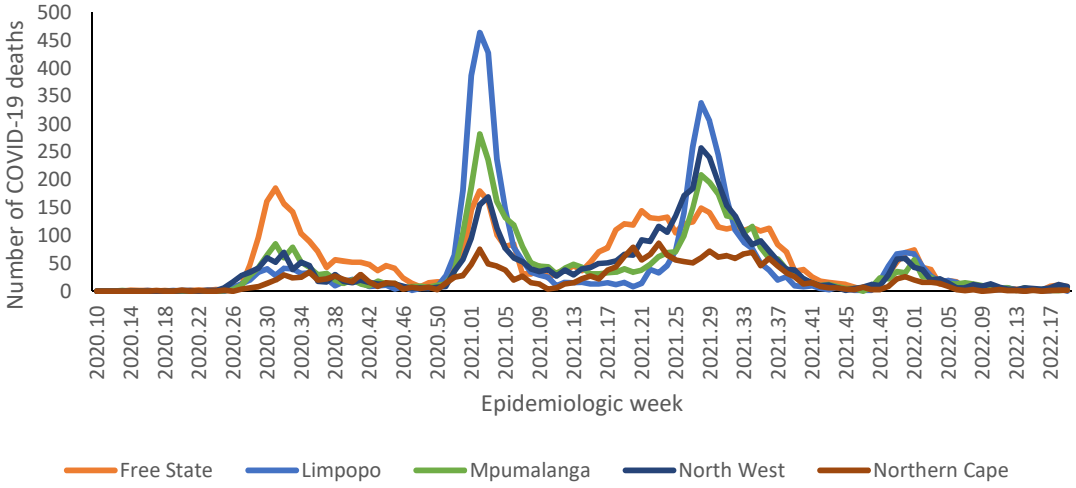

Figure 6b: Number of reported COVID-19 in-hospital deaths, by province with lowest deaths and epidemiologic week of death, South Africa, 5 March 2020-14 May 2022, N=102,615

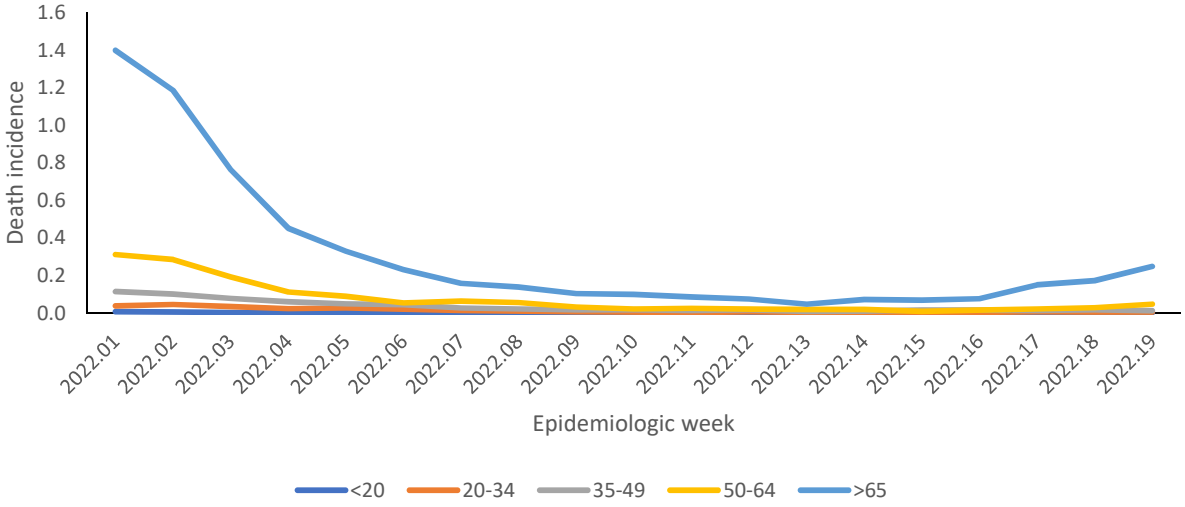

Figure 7a: Incidence risk of COVID-19 in-hospital deaths per 100,000 persons, by age group (years) and epidemiologic week of death, South Africa, week 1-19 2022

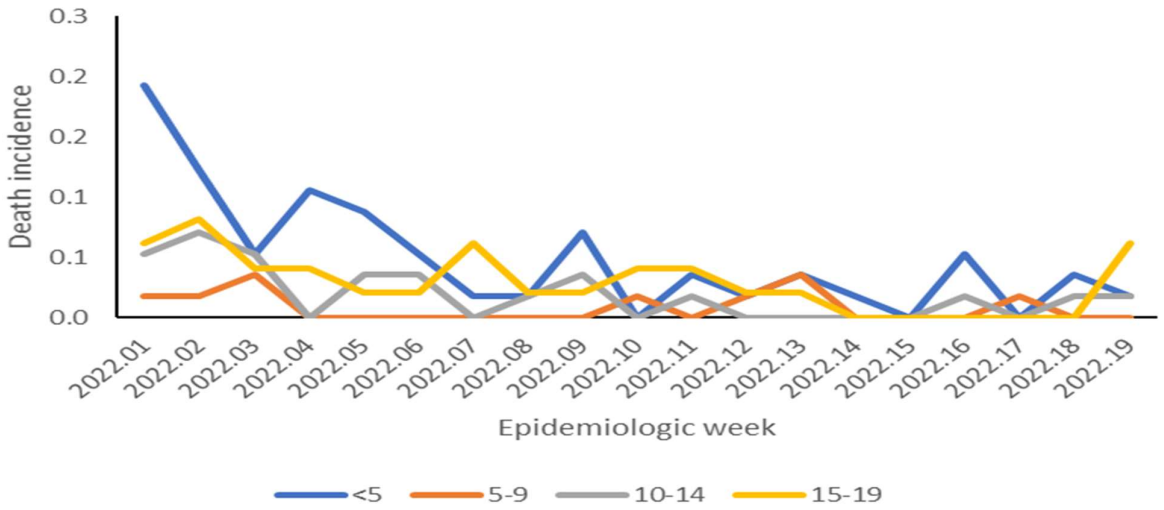

Figure 7b: Incidence risk of COVID-19 in-hospital deaths per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of death, South Africa, week 1-19 2022

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 2020-14 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	47749	715.2	13155	197.0
Free State	2932441	31572	1076.6	6042	206.0
Gauteng	15810388	154 411	976.6	30029	189.9
KwaZulu-Natal	11513575	86514	751.4	17276	150.0
Limpopo	5926724	20891	352.5	5314	89.7
Mpumalanga	4743584	22367	471.5	4831	101.8
North West	4122854	33 593	814.8	4896	118.8
Northern Cape	1303047	11 639	893.2	2433	186.7
Western Cape	7113776	117 553	1652.5	18639	262.0
South Africa	60142978	526 289	875.1	102 615	170.6

*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, 16 April-14 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	10.07	19.93	97.87	0.86	1.64	91.67
Free State	13.00	27.00	107.69	0.79	1.36	72.73
Gauteng	119.00	144.14	21.13	5.14	8.36	62.50
KwaZulu-Natal	65.07	77.00	18.33	2.36	4.14	75.76
Limpopo	5.29	4.93	-6.76	0.14	0.36	150.00
Mpumalanga	7.14	9.50	33.00	0.36	0.29	-20.00
North West	9.29	14.93	60.77	0.71	1.43	100.00
Northern Cape	4.00	6.79	69.64	0.07	0.29	300.00
Western Cape	40.50	54.86	35.45	2.14	2.07	-3.33

* 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, 30 April-14 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	18.14	21.71	19.69	0.86	2.43	183.33
Free State	27.29	26.71	-2.09	1.57	1.14	-27.27
Gauteng	162.71	125.57	-22.83	6.57	10.14	54.35
KwaZulu-Natal	84.00	70.00	-16.67	3.86	4.43	14.81
Limpopo	4.57	5.29	15.63	0.71	0.00	-100.00
Mpumalanga	8.29	10.71	29.31	0.14	0.43	200.00
North West	14.43	15.43	6.93	1.71	1.14	-33.33
Northern Cape	6.71	6.86	2.13	0.29	0.29	0.00
Western Cape	50.29	59.43	18.18	1.57	2.57	63.64

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

Eastern Cape

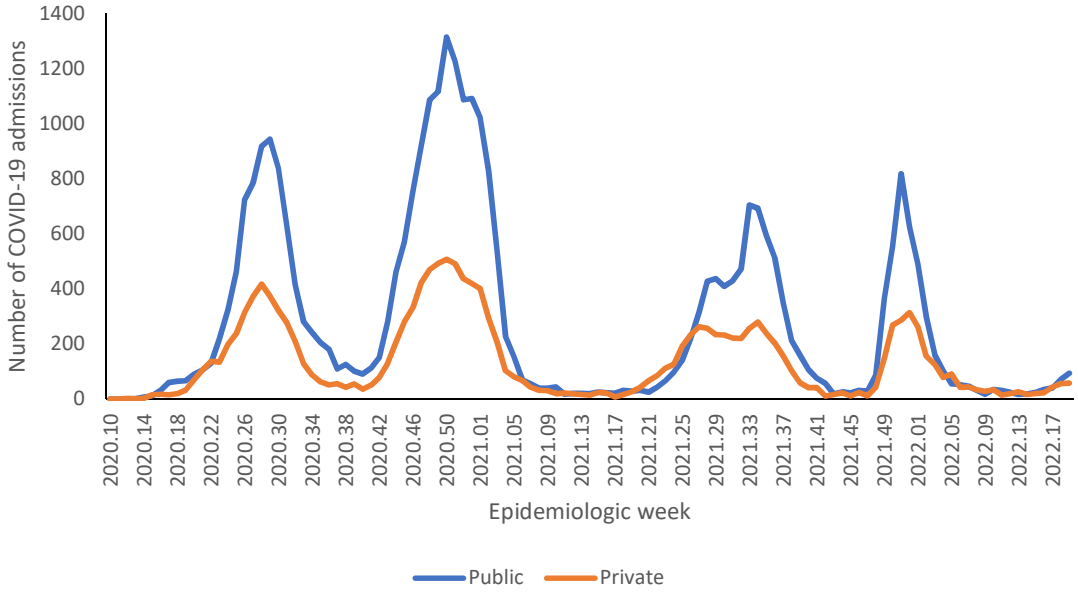

Figure 8: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Eastern Cape, 5 March 2020-14 May 2022, N= 47,749

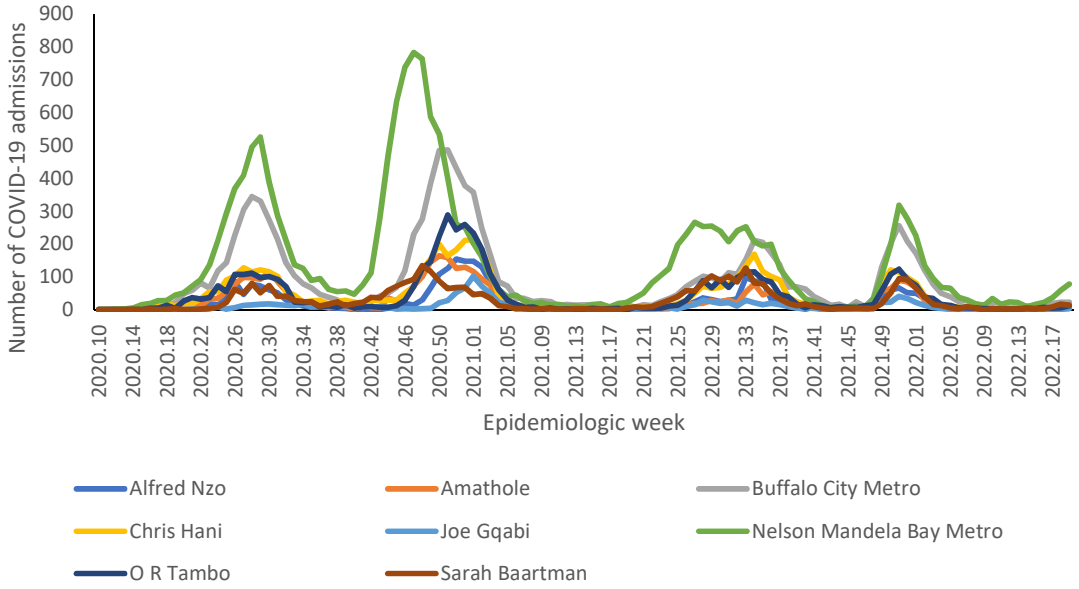

Figure 9: Number of reported COVID-19 admissions, by district and epidemiologic week, Eastern Cape, 5 March 2020-14 May 2022, N= 47,749

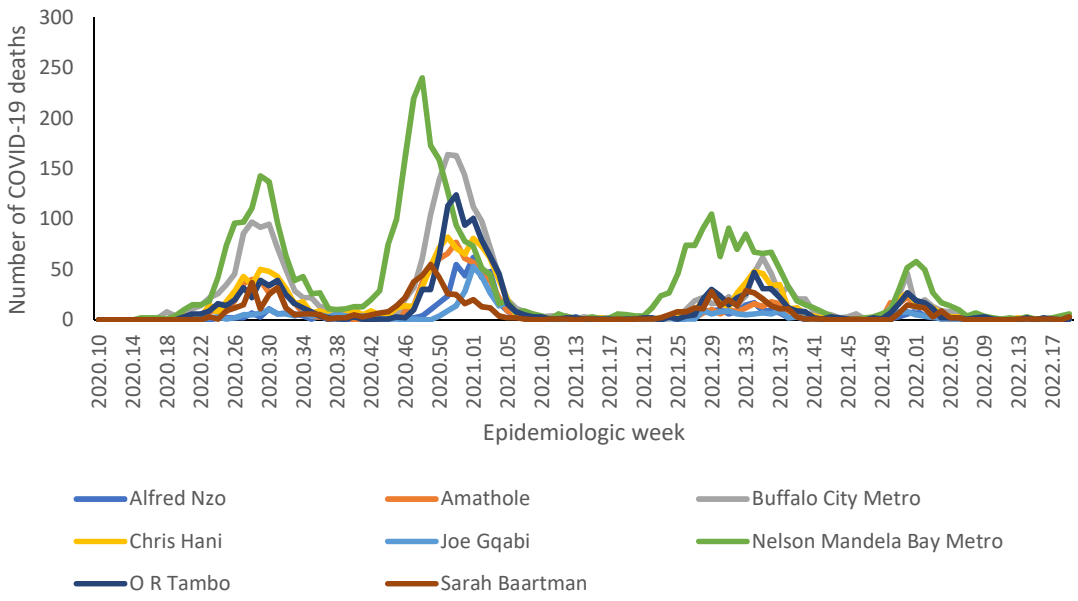

Figure 10: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Eastern Cape, 5 March 2020-14 May 2022, N= 13,155

Table 5: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Eastern Cape, 16 April-14 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	0.57	0.86	50.00	0.00	0.07	0.00
Amathole	0.36	0.43	20.00	0.07	0.14	100.00
Buffalo City Metro	2.43	3.29	35.29	0.14	0.14	0.00
Chris Hani	0.79	1.71	118.18	0.07	0.21	200.00
Joe Gqabi	0.07	0.36	400.00	0.00	0.07	0.00
Nelson Mandela Bay	4.07	9.79	140.35	0.21	0.71	233.33
O R Tambo	0.93	1.29	38.46	0.21	0.07	-66.67
Sarah Baartman	0.86	2.21	158.33	0.14	0.21	50.00

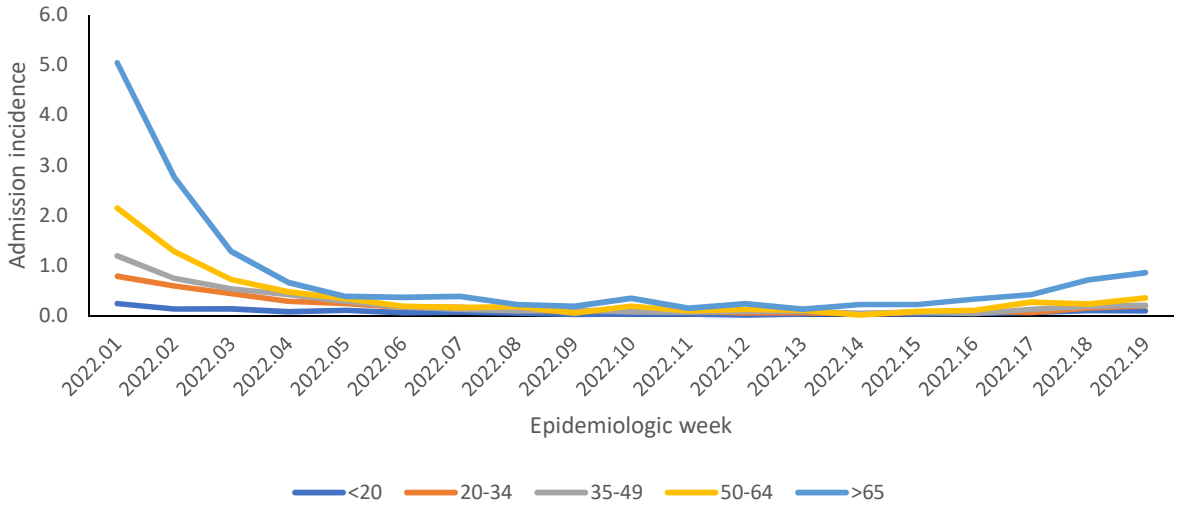

Figure 11a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Eastern Cape, week 1-19 2022

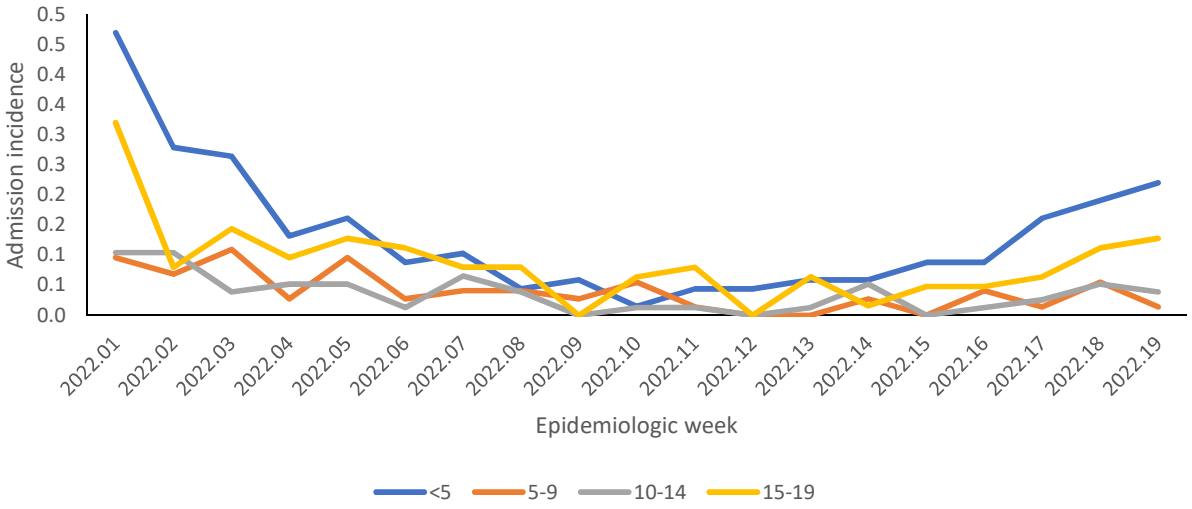

Figure 11b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Eastern Cape, week 1-19 2022

Free State

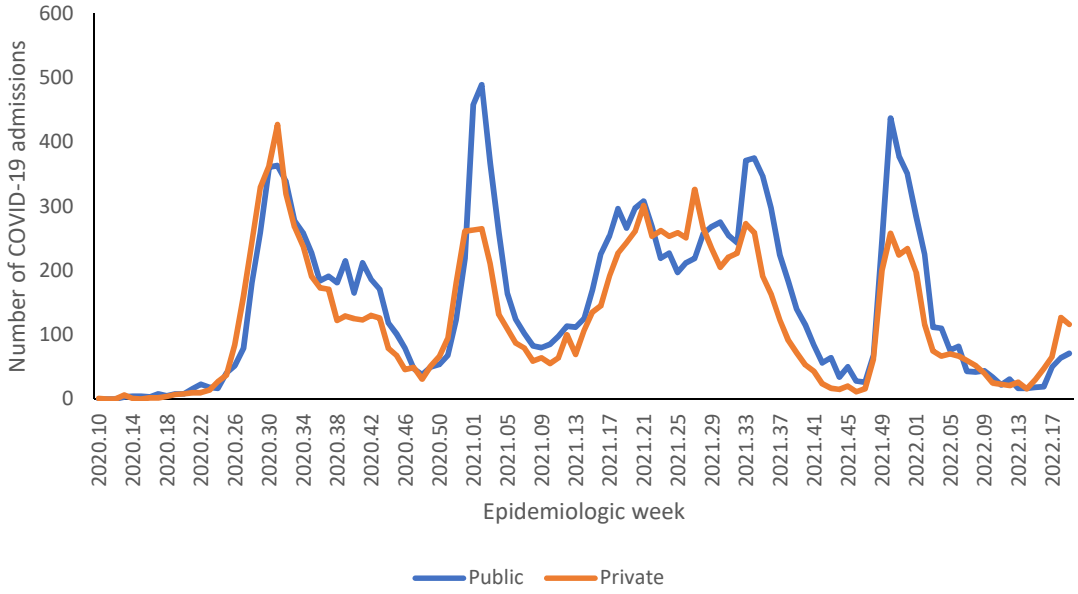

Figure 12: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Free State, 5 March 2020-14 May 2022, N= 31,572

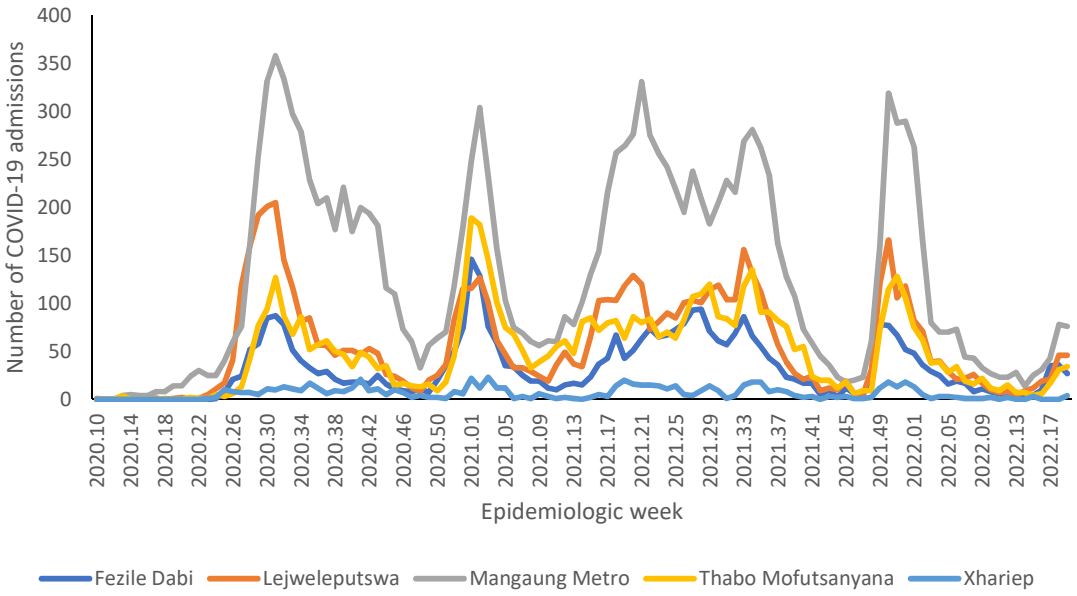

Figure 13: Number of reported COVID-19 admissions, by district and epidemiologic week, Free State, 5 March 2020-14 May 2022, N= 31,572

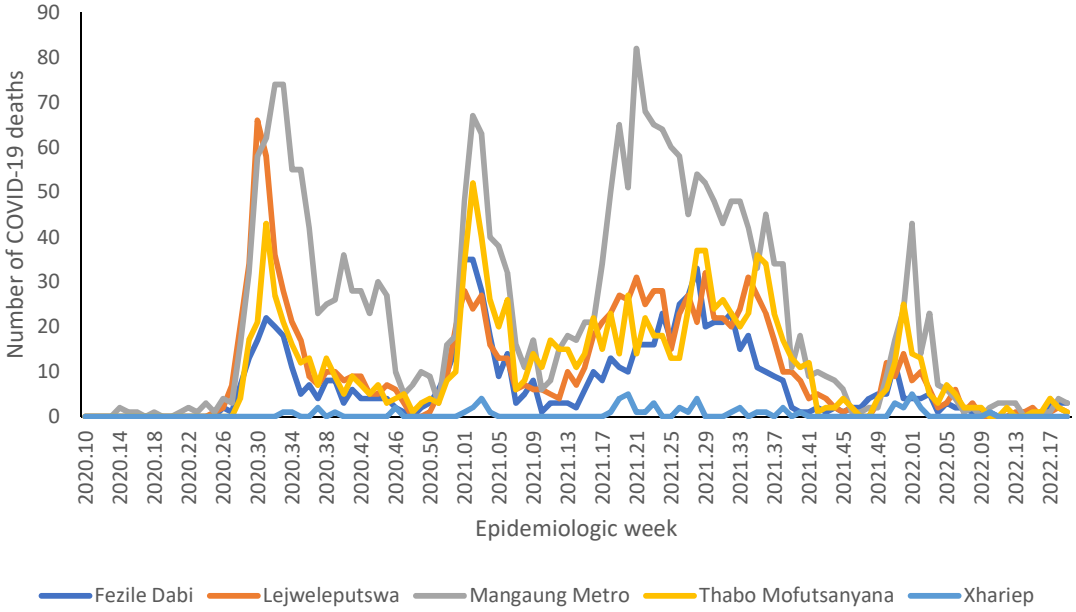

Figure 14: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Free State, 5 March 2020-14 May 2022, N=6,042

Table 6: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Free State, 16 April-14 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	3.21	4.50	40.00	0.21	0.43	100.00
Lejweleputswa	2.86	6.57	130.00	0.07	0.21	200.00
Mangaung Metro	5.29	11.00	108.11	0.14	0.50	250.00
Thabo Mofutsanyana	1.64	4.64	182.61	0.36	0.21	-40.00
Xhariep	0.00	0.29	0.00	0.00	0.00	0.00

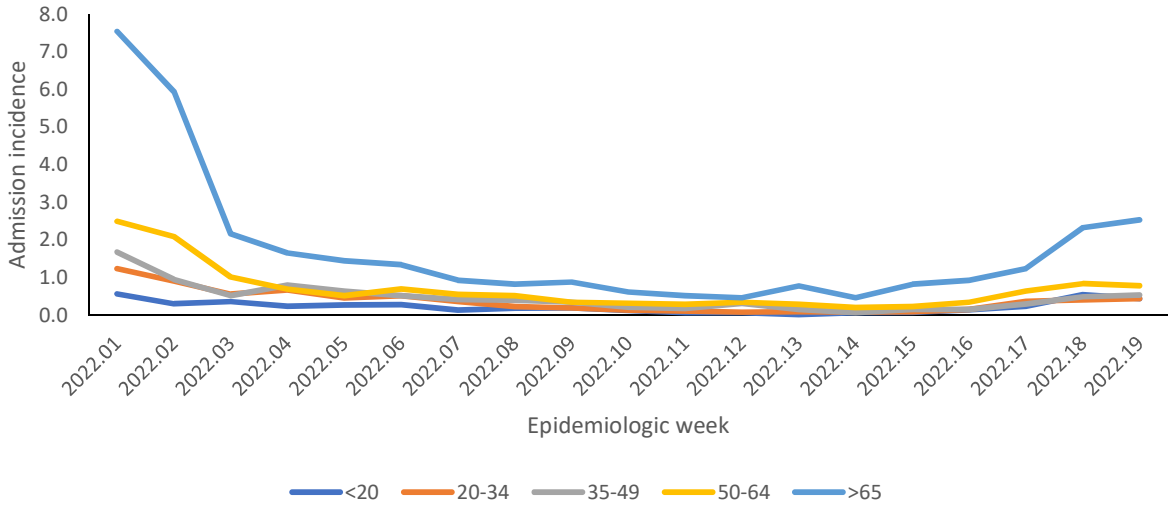

Figure 15a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Free State, week 1-19 2022

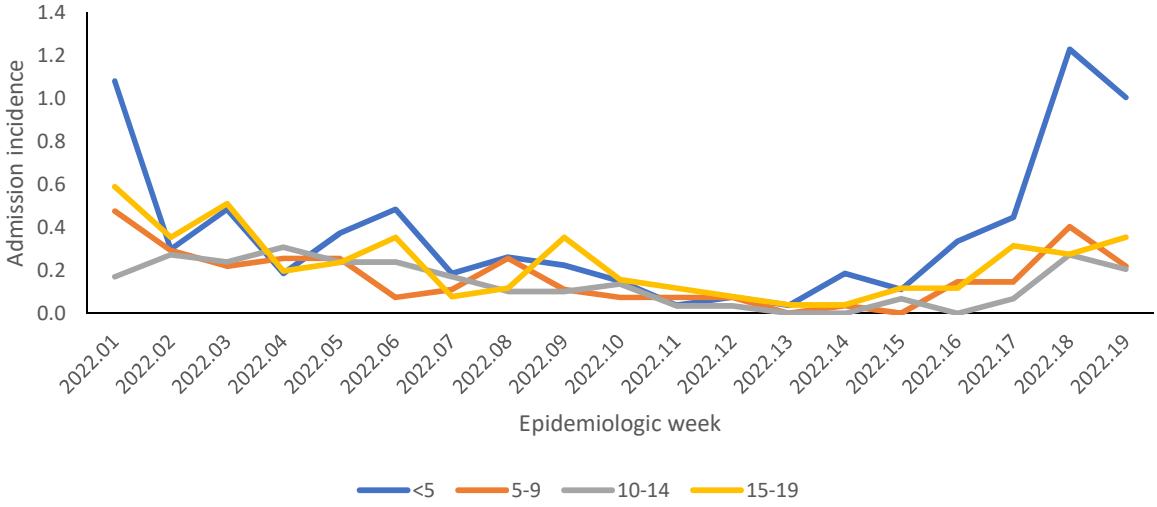

Figure 15b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Free State, week 1-19 2022

Gauteng

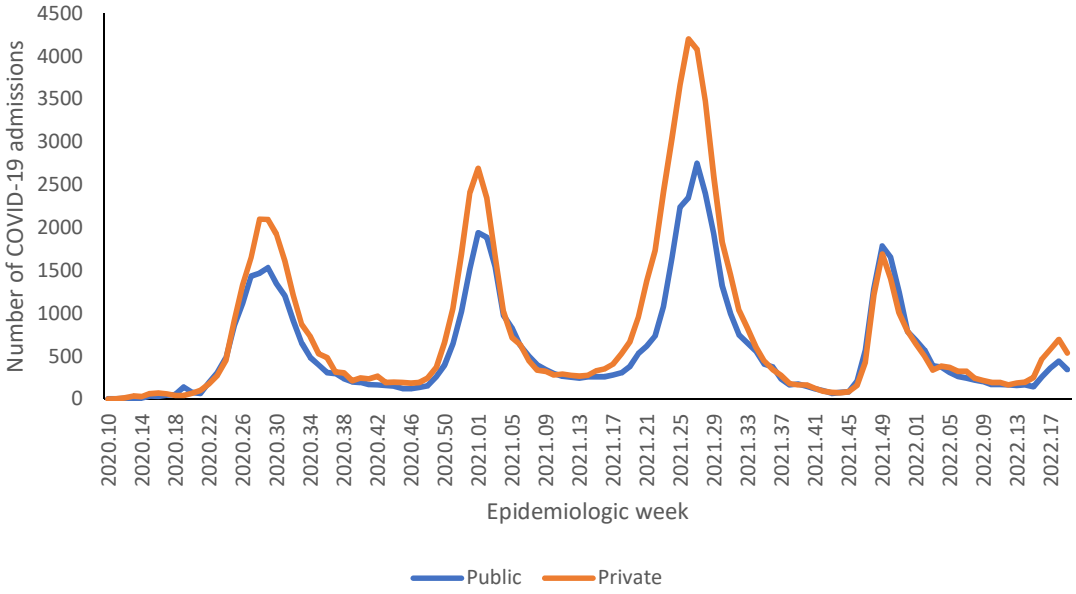

Figure 16: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Gauteng, 5 March 2020-14 May 2022, N=154,411

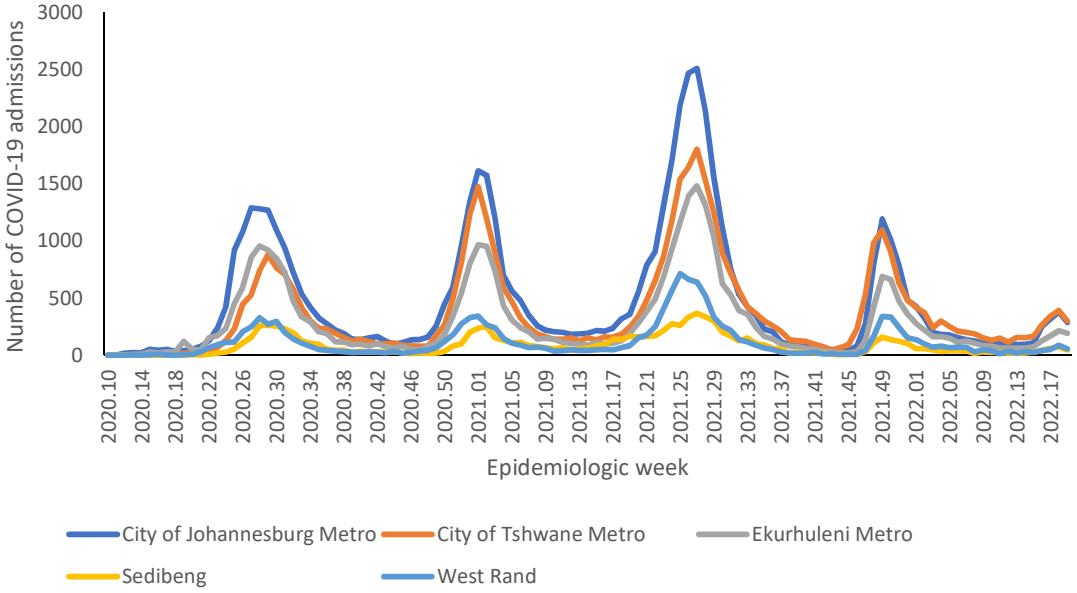

Figure 17: Number of reported COVID-19 admissions, by district and epidemiologic week, Gauteng, 5 March 2020-14 May 2022, N=154,411

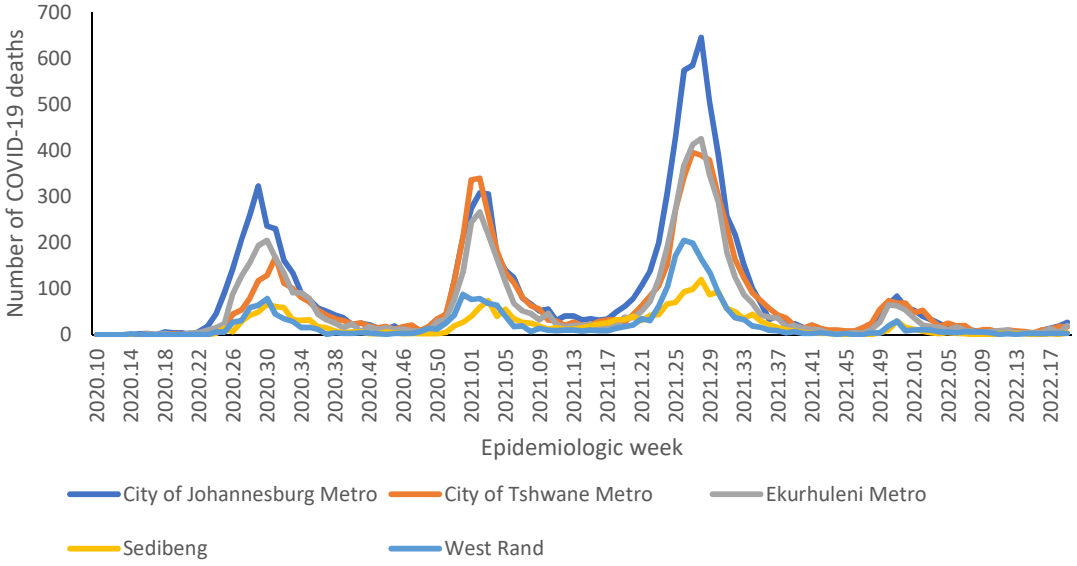

Figure 18: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Gauteng, 5 March 2020-14 May 2022, N=30,029

Table 7: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Gauteng, 16 April-14 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	40.64	47.43	16.70	1.71	3.29	91.67
City of Tshwane Metro	43.29	49.29	13.86	1.57	2.50	59.09
Ekurhuleni Metro	21.07	28.86	36.95	1.36	1.79	31.58
Sedibeng	7.36	8.43	14.56	0.14	0.36	150.00
West Rand	6.64	10.14	52.69	0.36	0.43	20.00

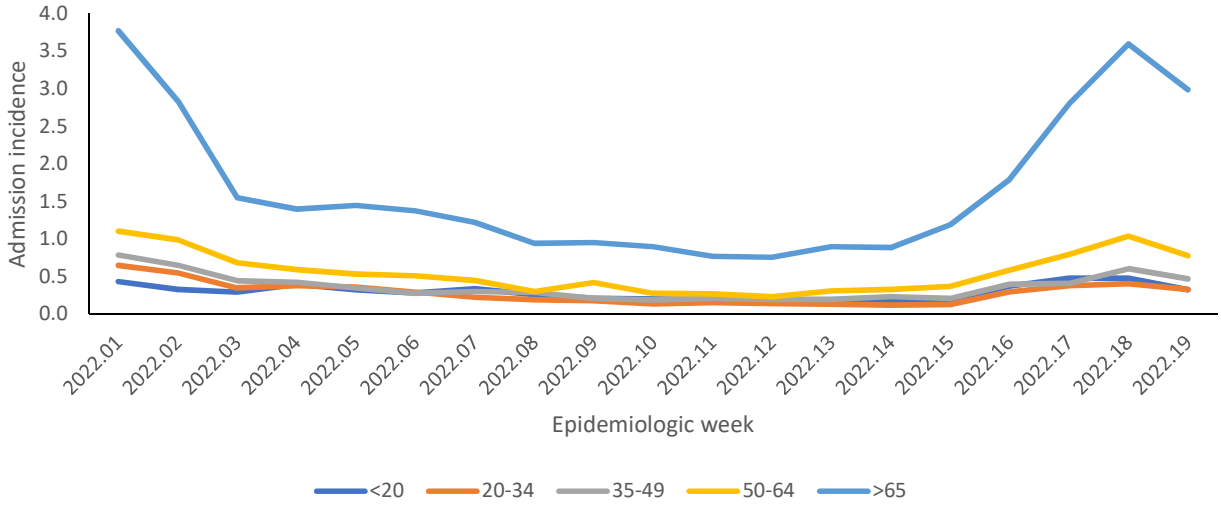

Figure 19a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Gauteng, week 1-19 2022

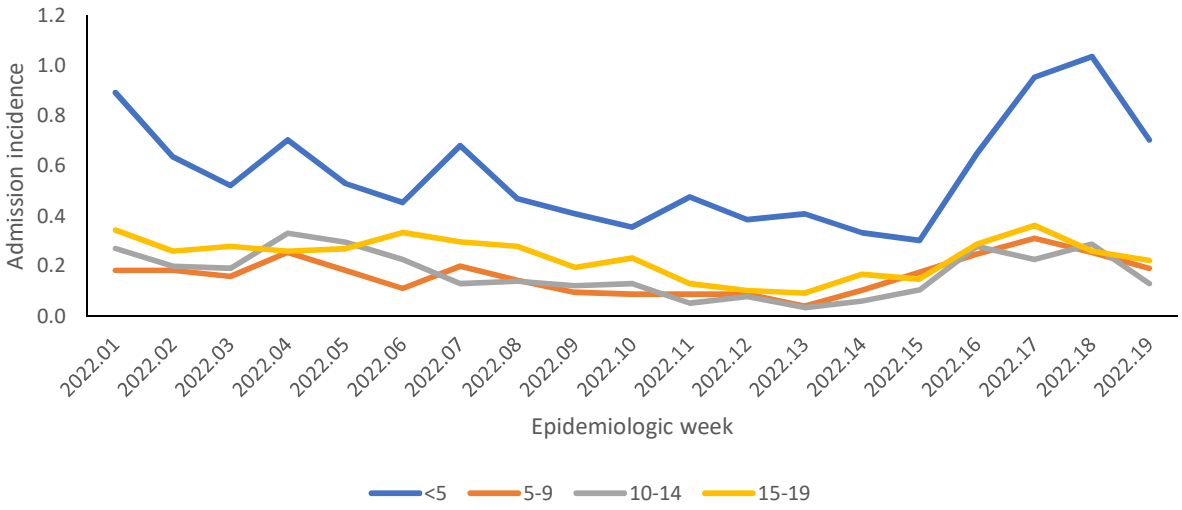

Figure 19b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Gauteng, week 1-19 2022

KwaZulu-Natal

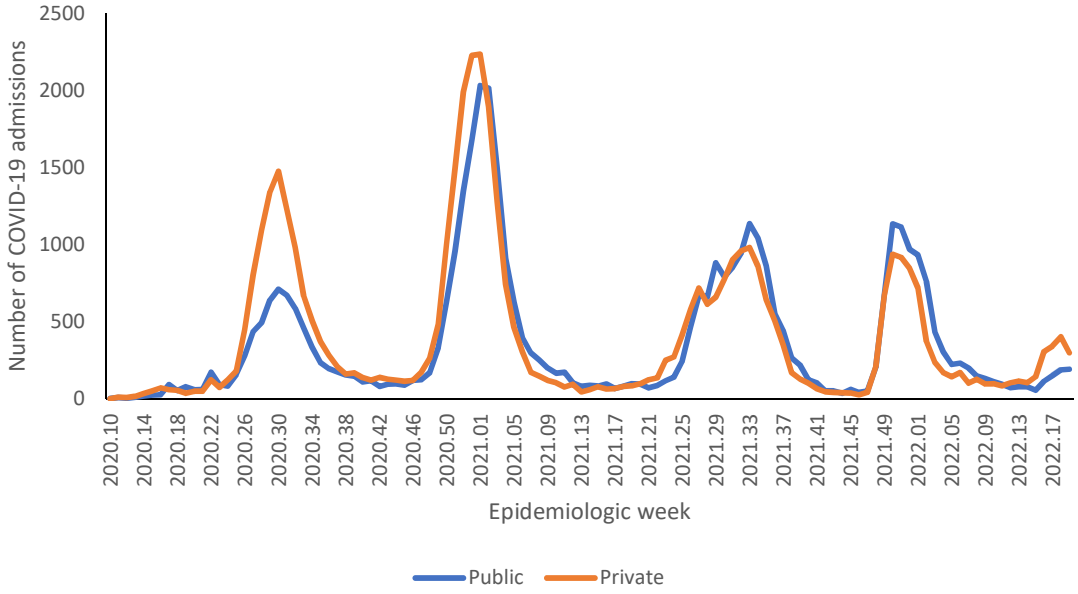

Figure 20: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, KwaZulu-Natal, 5 March 2020-14 May 2022, N=86,514

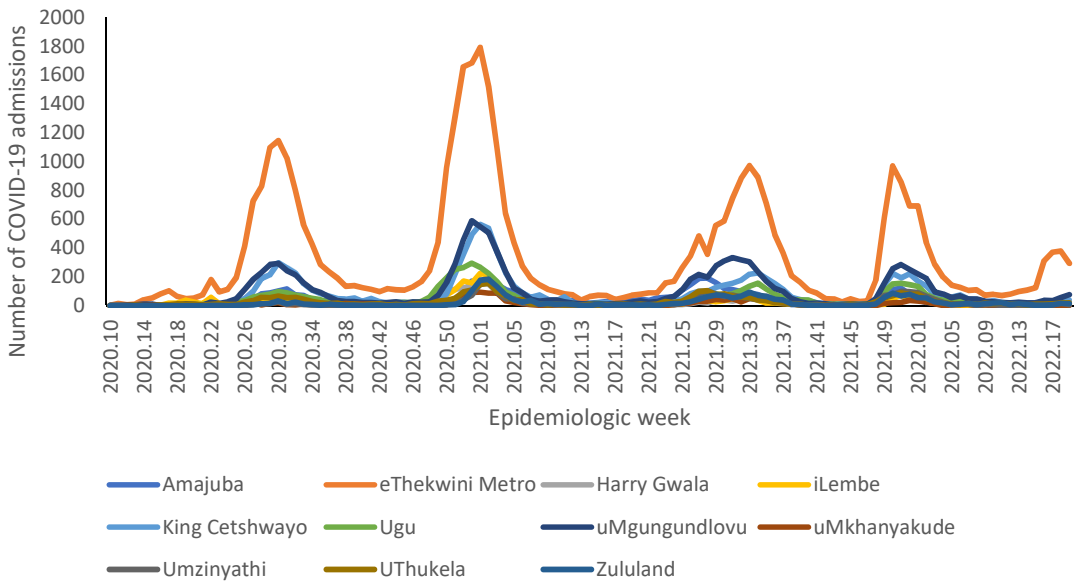

Figure 21: Number of reported COVID-19 admissions, by district and epidemiologic week, KwaZulu-Natal, 5 March 2020-14 May 2022, N=86,514

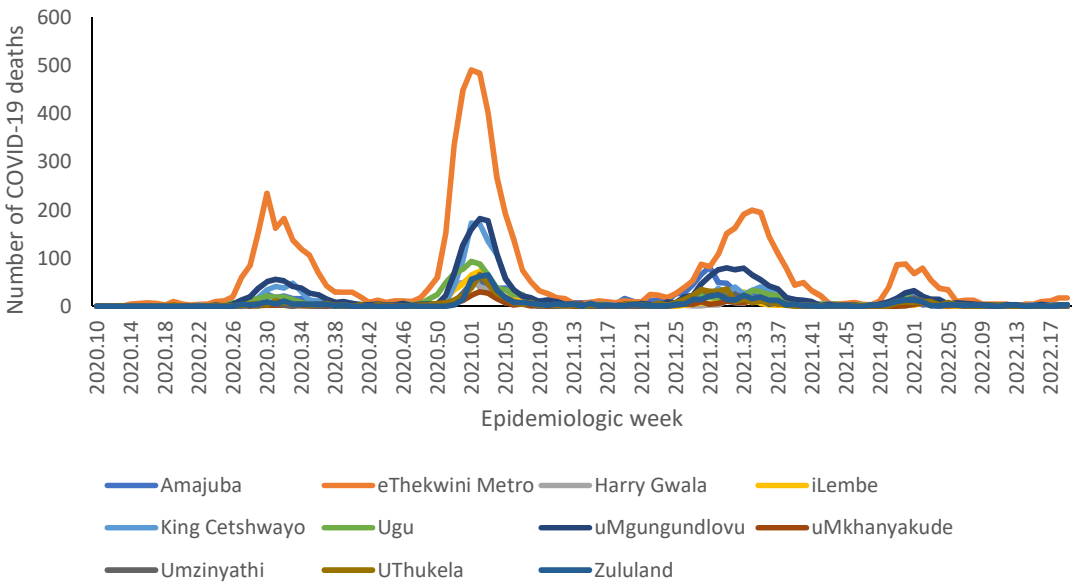

Figure 22: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, KwaZulu-Natal, 5 March 2020-14 May 2022, N=17,276

Table 8: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, KwaZulu-Natal, 16 April-14 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	1.29	1.43	11.11	0.07	0.07	0.00
eThekwini Metro	48.57	47.93	-1.32	1.50	2.43	61.90
Harry Gwala	0.14	1.43	900.00	0.00	0.00	0.00
iLembe	1.07	2.00	86.67	0.00	0.14	0.00
King Cetshwayo	3.36	5.43	61.70	0.29	0.29	0.00
Ugu	2.29	2.64	15.63	0.00	0.29	0.00
uMgungundlovu	5.14	9.43	83.33	0.36	0.36	0.00
uMkhanyakude	0.00	0.21	0.00	0.00	0.00	0.00
Umzinyathi	0.71	1.71	140.00	0.00	0.07	0.00
UThukela	1.79	2.64	48.00	0.07	0.21	200.00
Zululand	0.71	2.14	200.00	0.07	0.29	300.00

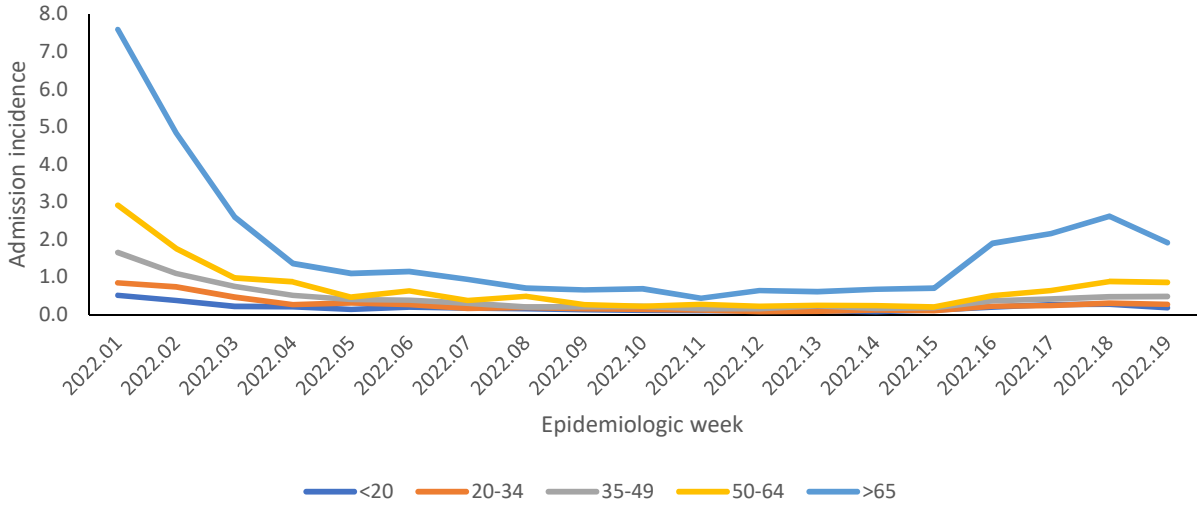

Figure 23a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, KwaZulu-Natal, week 1-19 2022

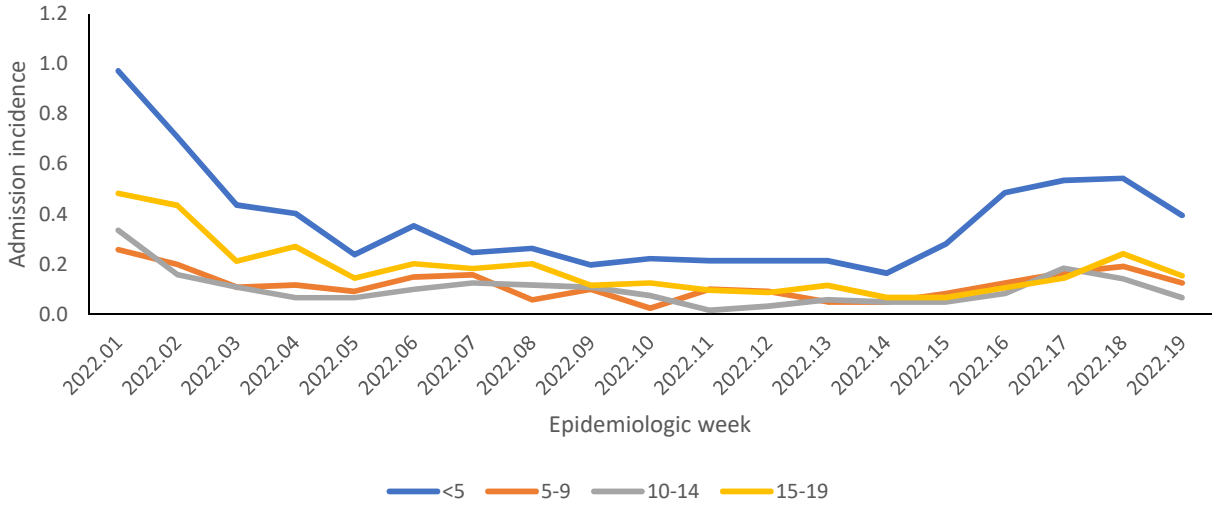

Figure 23b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, KwaZulu-Natal, week 1-19 2022

Limpopo

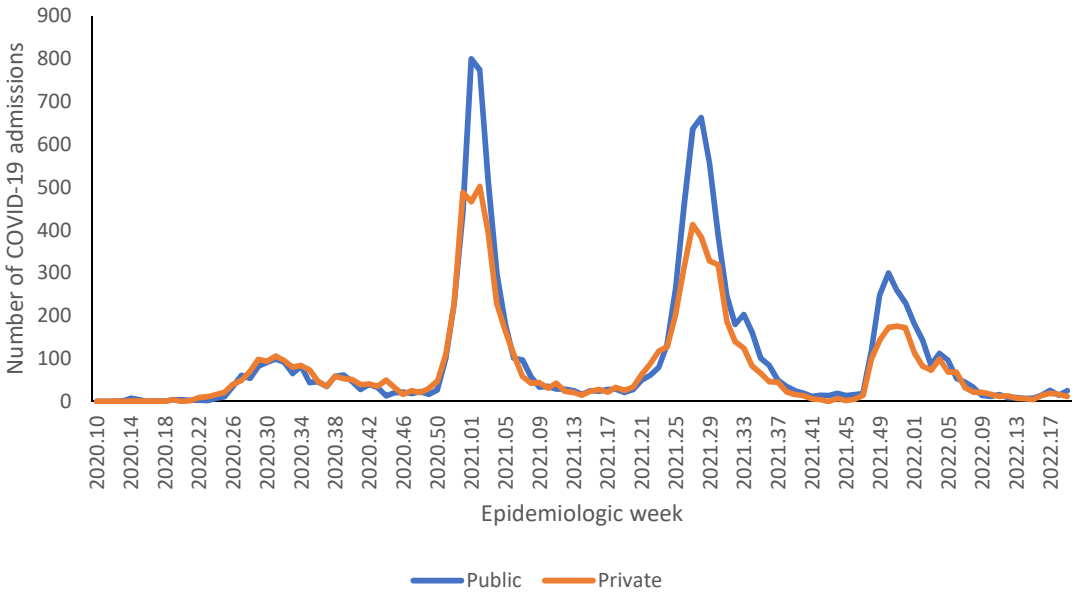

Figure 24: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Limpopo, 5 March 2020-14 May 2022, N=20,891

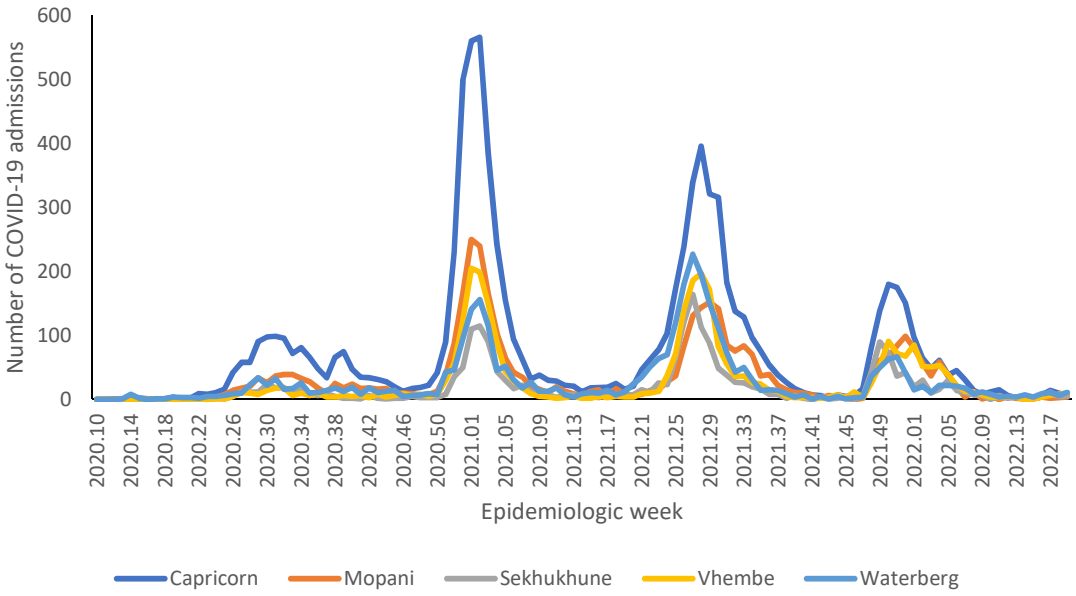

Figure 25: Number of reported COVID-19 admissions, by district and epidemiologic week, Limpopo, 5 March 2020-14 May 2022, N=20,891

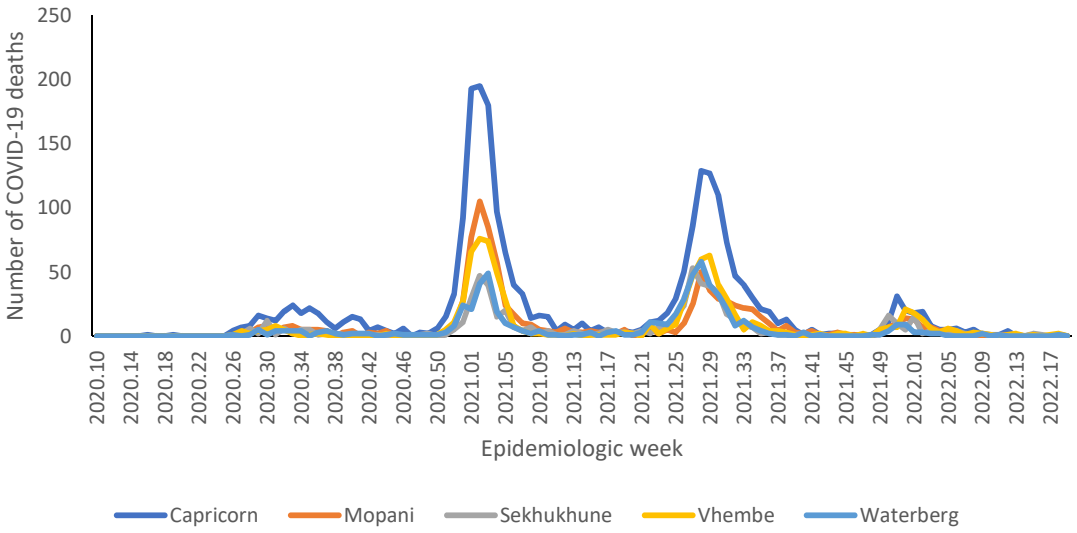

Figure 26: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Limpopo, 5 March 2020-14 May 2022, N=5,314

Table 9: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Limpopo, 16 April-14 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	1.50	1.21	-19.05	0.00	0.07	0.00
Mopani	0.43	0.50	16.67	0.00	0.00	0.00
Sekhukhune	1.21	0.71	-41.18	0.07	0.07	0.00
Vhembe	0.71	1.29	80.00	0.07	0.14	100.00
Waterberg	1.43	1.21	-15.00	0.00	0.07	0.00

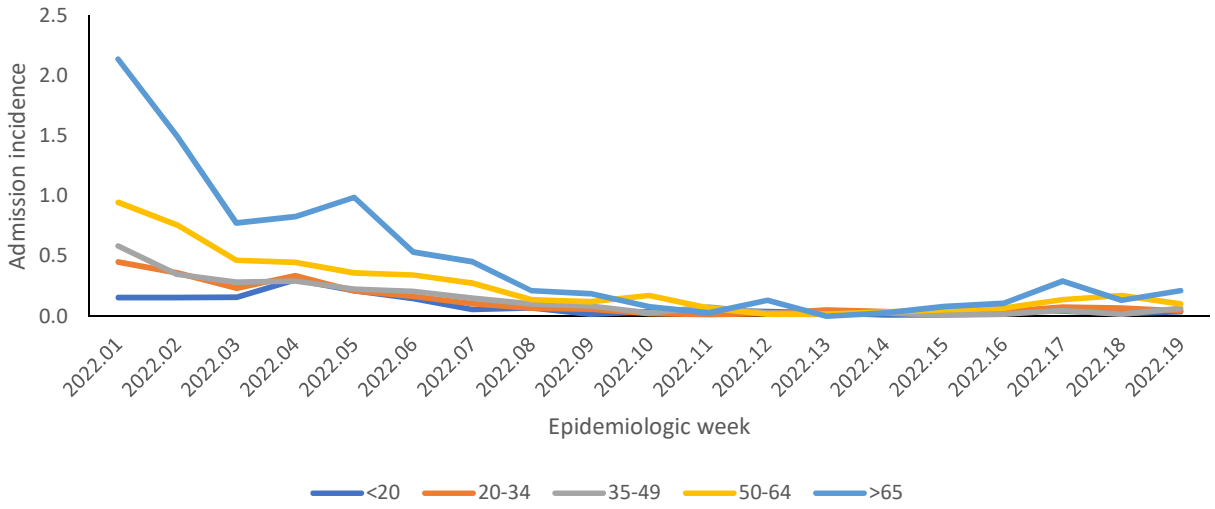

Figure 27a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Limpopo, week 1-19 2022

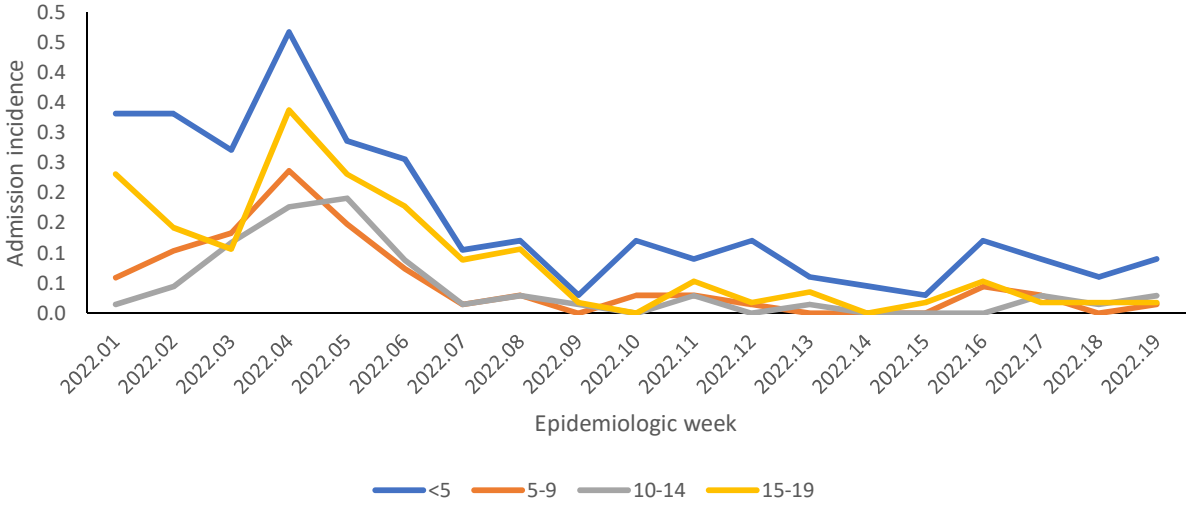

Figure 27b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Limpopo, week 1-19 2022

Mpumalanga

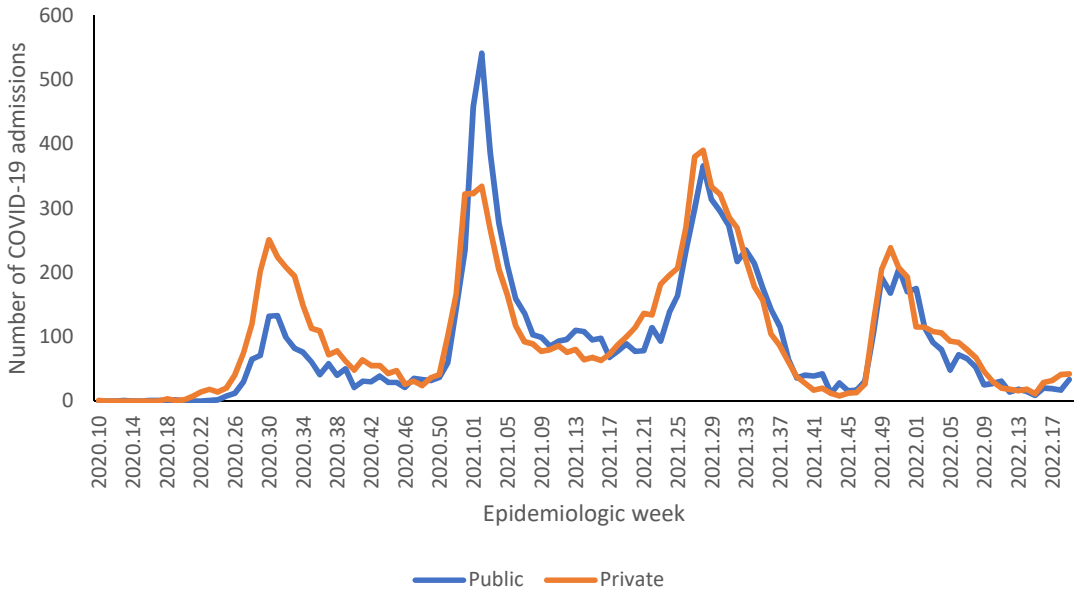

Figure 28: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Mpumalanga, 5 March 2020-14 May 2022, N=22,367

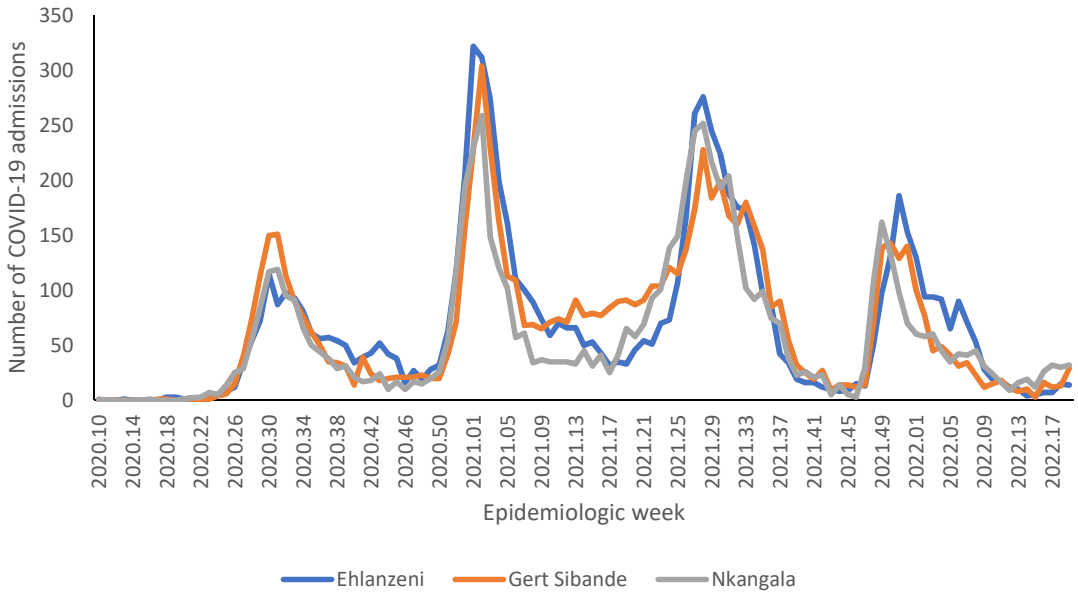

Figure 29: Number of reported COVID-19 admissions, by district and epidemiologic week, Mpumalanga, 5 March 2020-14 May 2022, N=22,367

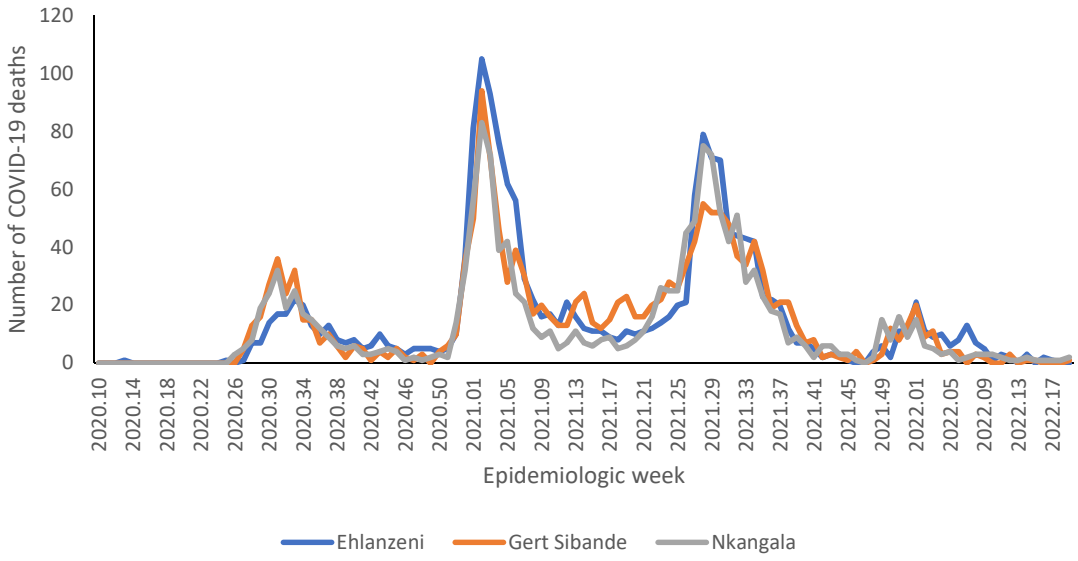

Figure 30: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Mpumalanga, 5 March 2020-14 May 2022, N=4,831

Table 10: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Mpumalanga, 16 April-14 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	1.00	2.07	107.14	0.21	0.00	-100.00
Gert Sibande	2.00	3.00	50.00	0.00	0.07	0.00
Nkangala	4.14	4.43	6.90	0.14	0.21	50.00

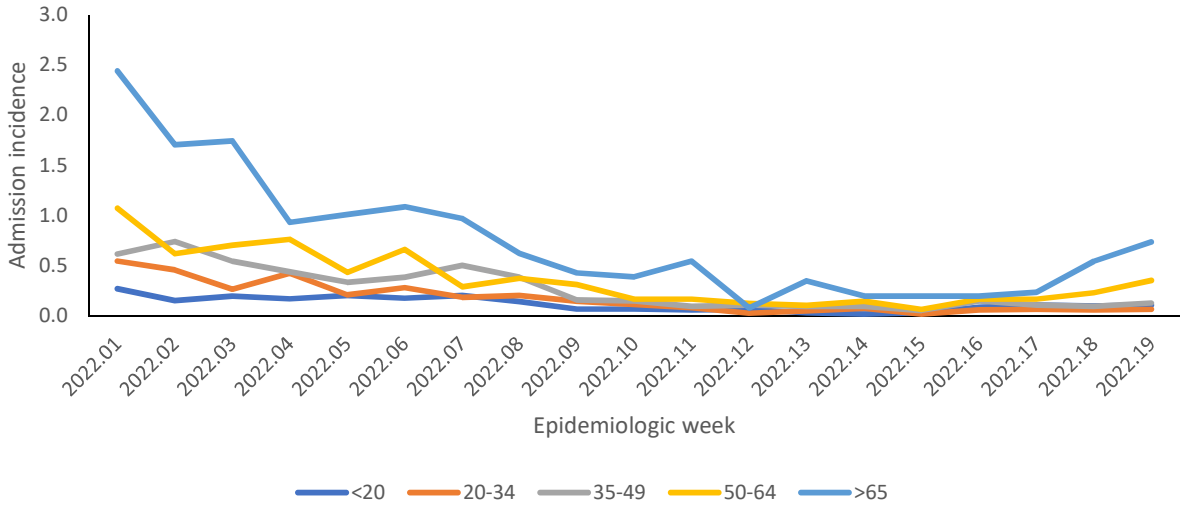

Figure 31a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Mpumalanga, week 1-19 2022

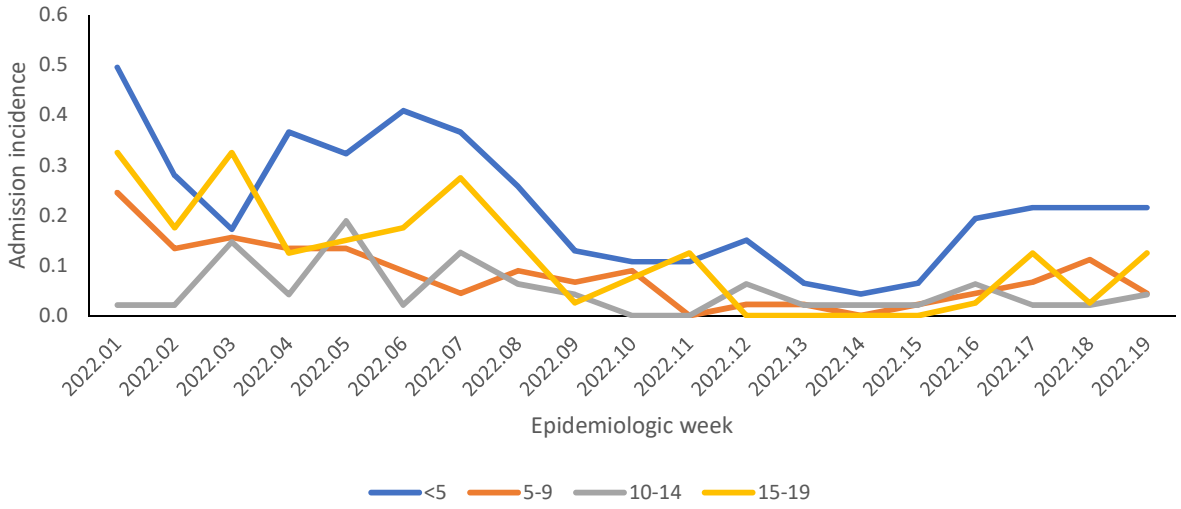

Figure 31b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Mpumalanga, week 1-19 2022

North West

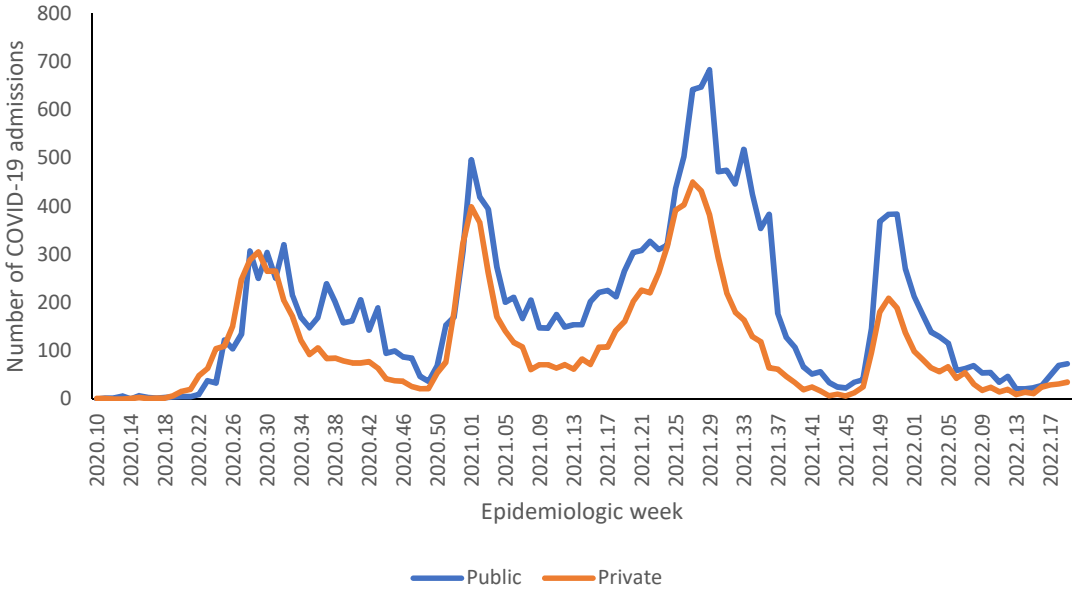

Figure 32: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, North West, 5 March 2020-14 May 2022, N=33,593

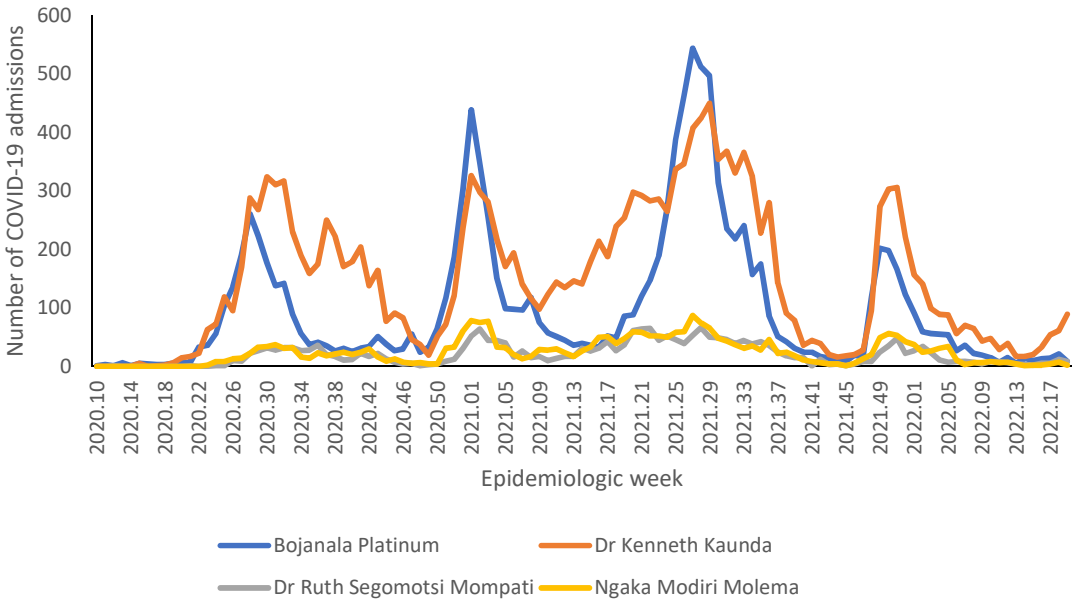

Figure 33: Number of reported COVID-19 admissions, by district and epidemiologic week, North West, 5 March 2020-14 May 2022, N=33,593

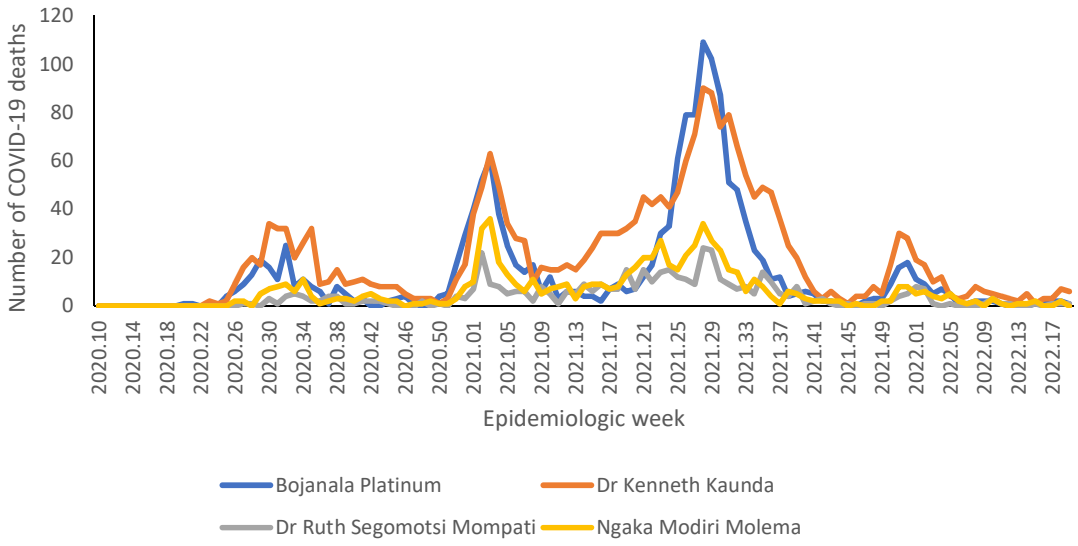

Figure 34: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, North West, 5 March 2020-14 May 2022, N=4,896

Table 11: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, North West, 16 April-14 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	1.93	2.14	11.11	0.21	0.21	0.00
Dr Kenneth Kaunda	6.21	10.71	72.41	0.43	0.93	116.67
Dr Ruth Segomotsi Mompati	0.71	1.43	100.00	0.07	0.14	100.00
Ngaka Modiri Molema	0.43	0.64	50.00	0.00	0.14	0.00

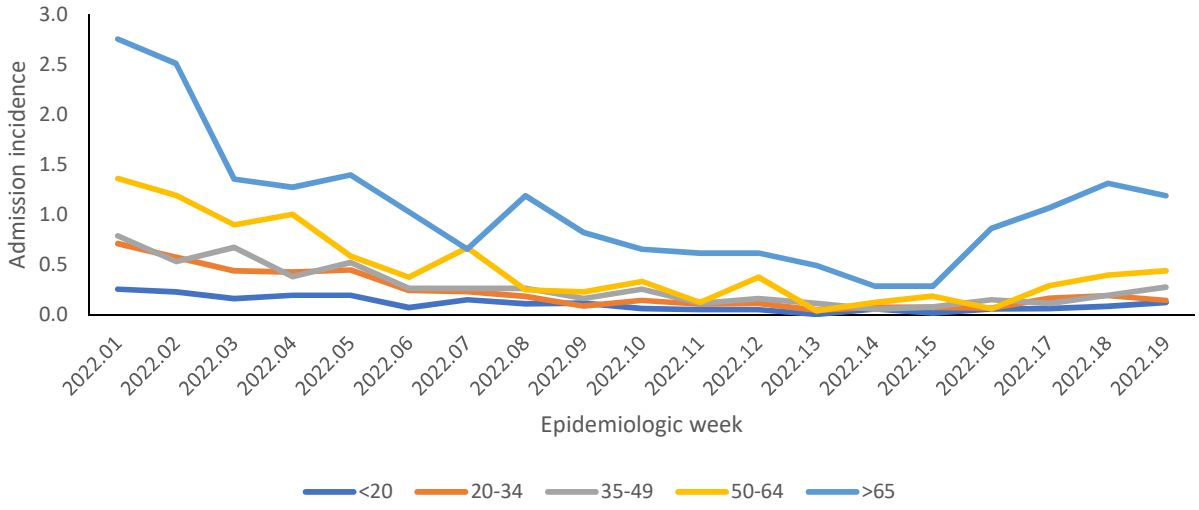

Figure 35a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, North West, week 1-19 2022

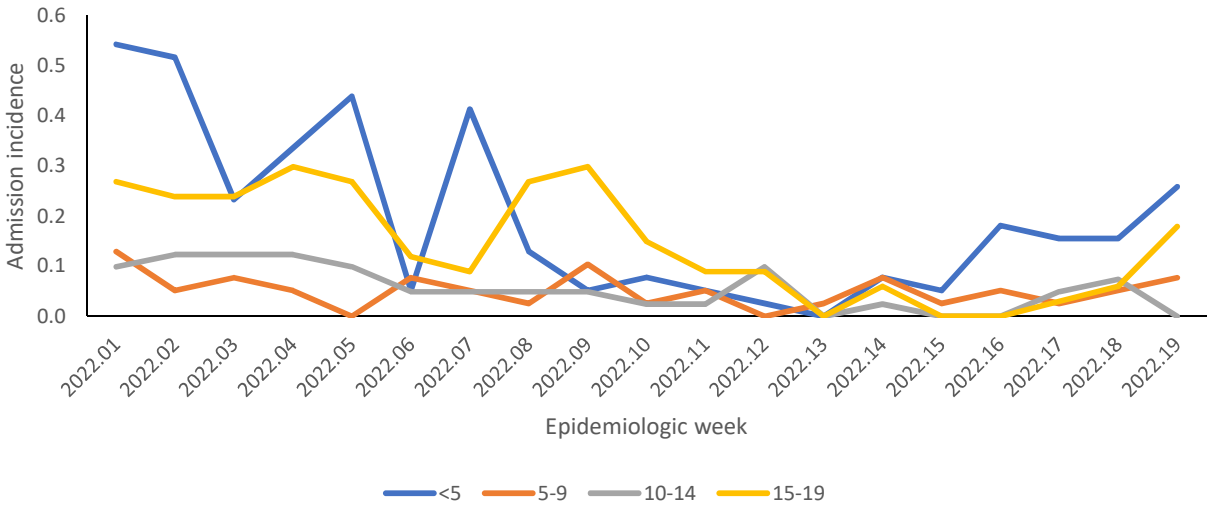

Figure 35b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, North West, week 1-19 2022

Northern Cape

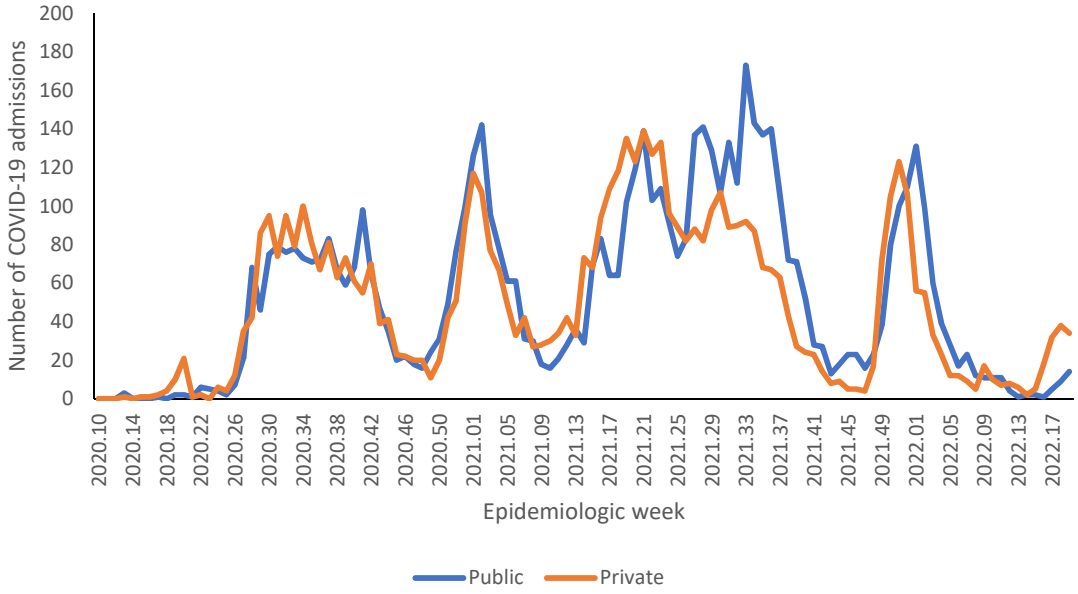

Figure 36: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Northern Cape, 5 March 2020-14 May 2022, N=11,639

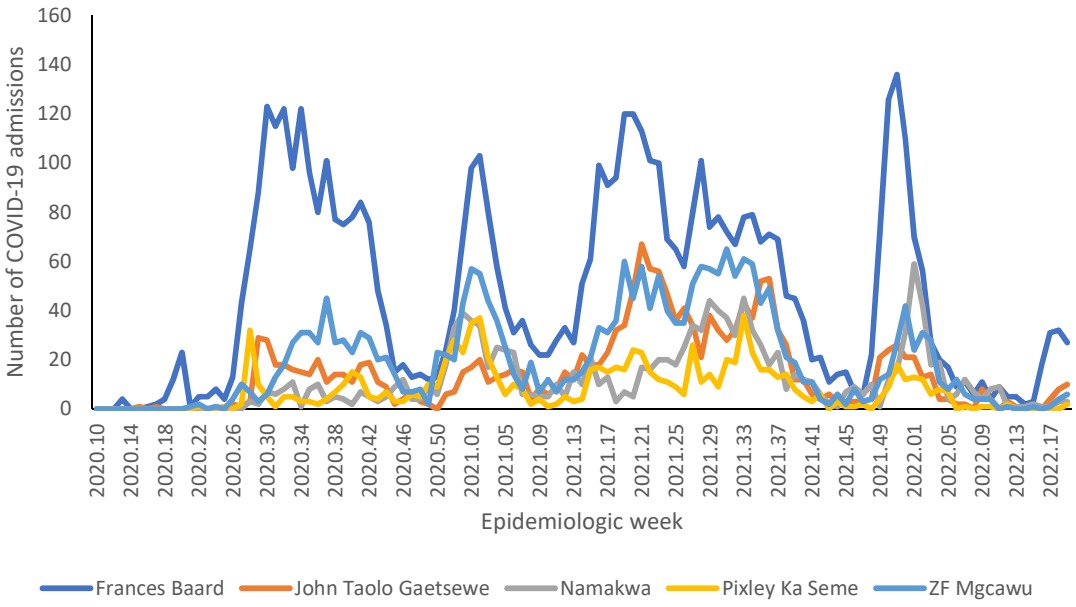

Figure 37: Number of reported COVID-19 admissions by district and epidemiologic week, Northern Cape, 5 March 2020-14 May 2022, N=11,639

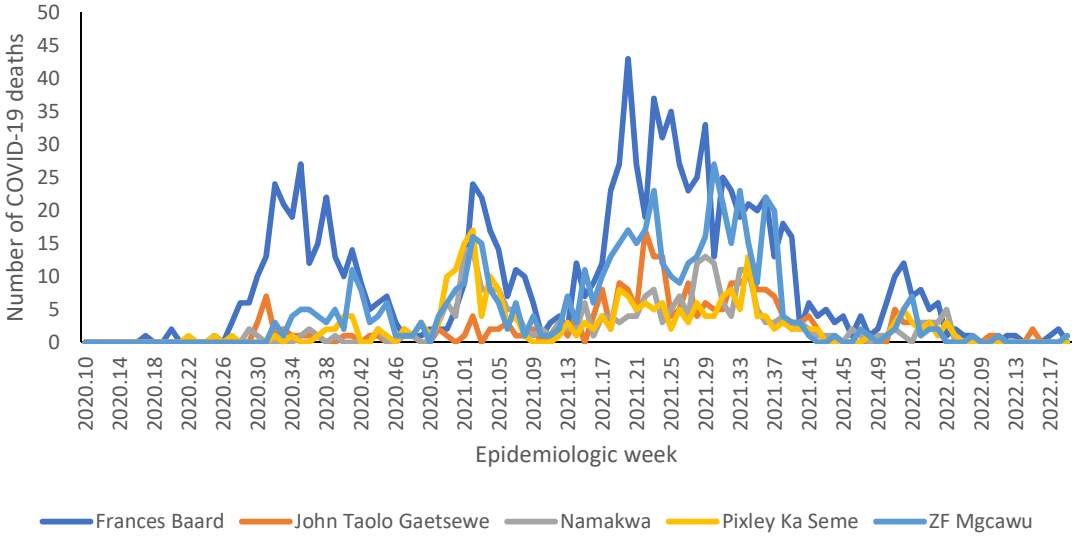

Figure 38: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Northern Cape, 5 March 2020-14 May 2022, N=2,433

Table 12: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Northern Cape, 16 April-14 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	3.50	4.21	20.41	0.07	0.14	100.00
John Taolo Gaetsewe	0.29	1.29	350.00	0.00	0.00	0.00
Namakwa	0.14	0.43	200.00	0.00	0.07	0.00
Pixley Ka Seme	0.00	0.14	0.00	0.00	0.00	0.00
ZF Mgcawu	0.07	0.71	900.00	0.00	0.07	0.00

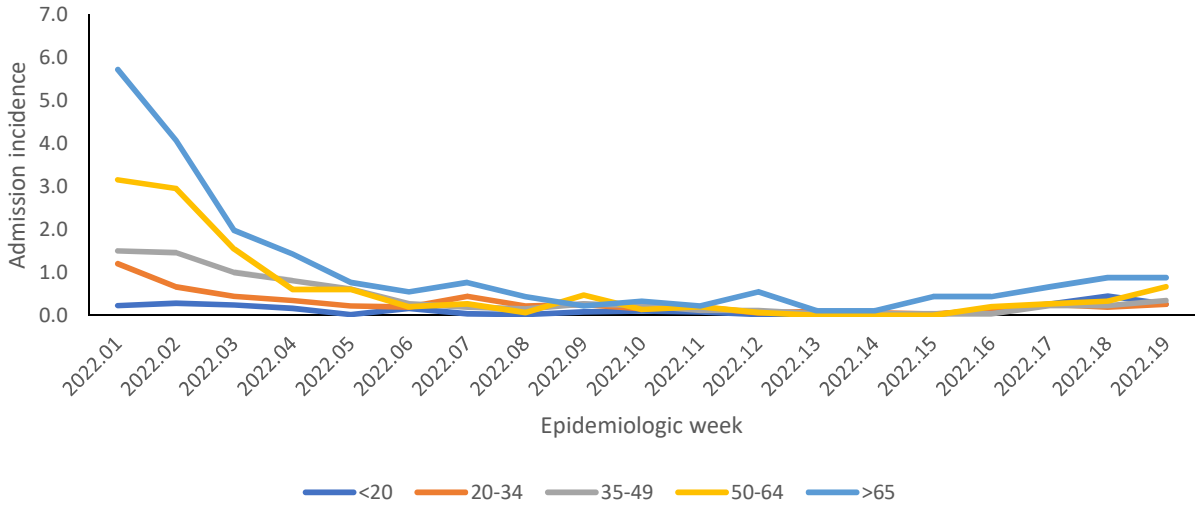

Figure 39a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Northern Cape, week 1-19 2022

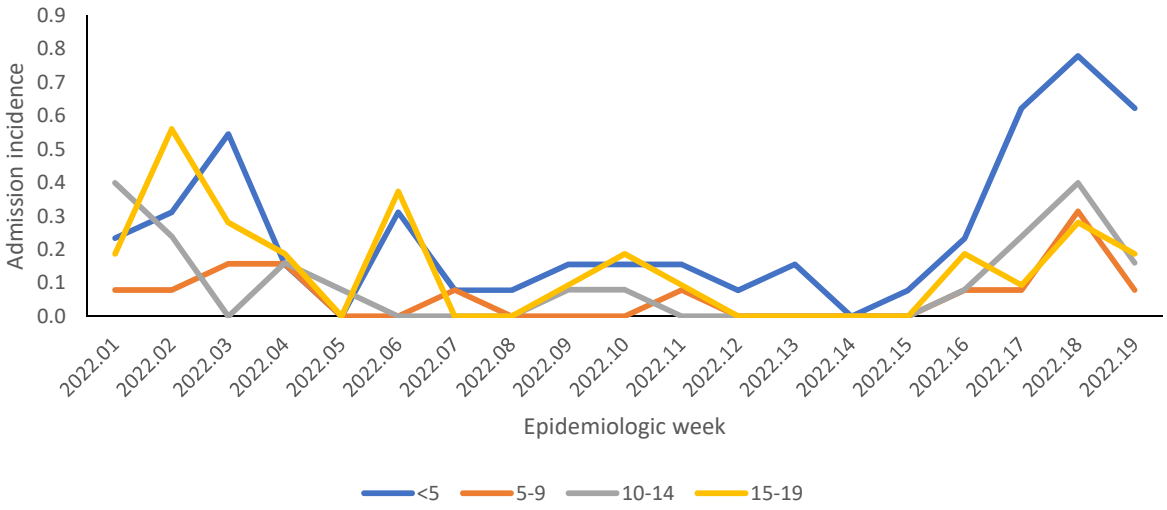

Figure 39b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Northern Cape, week 1-19 2022

Western Cape

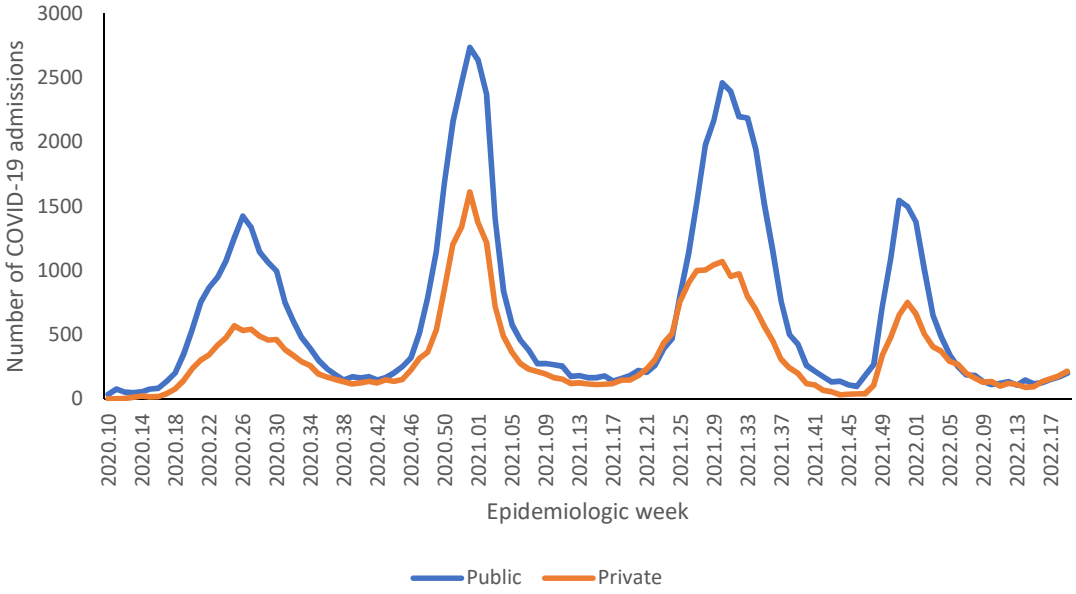

Figure 40: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Western Cape, 5 March 2020-14 May 2022, N=117,553

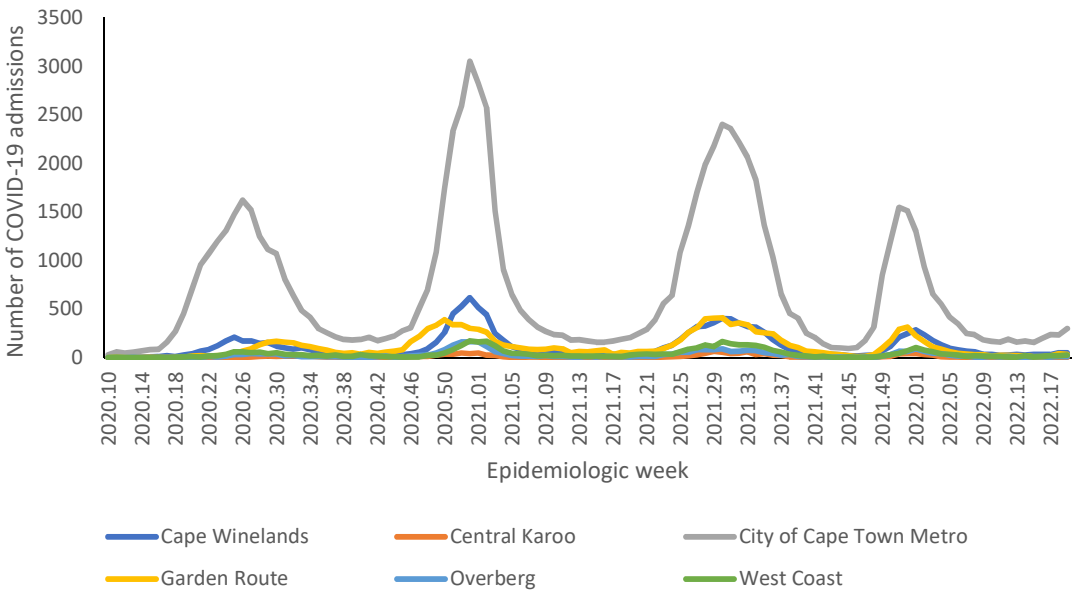

Figure 41: Number of reported COVID-19 admissions, by district and epidemiologic week, Western Cape, 5 March 2020-14 May 2022, N=117,553

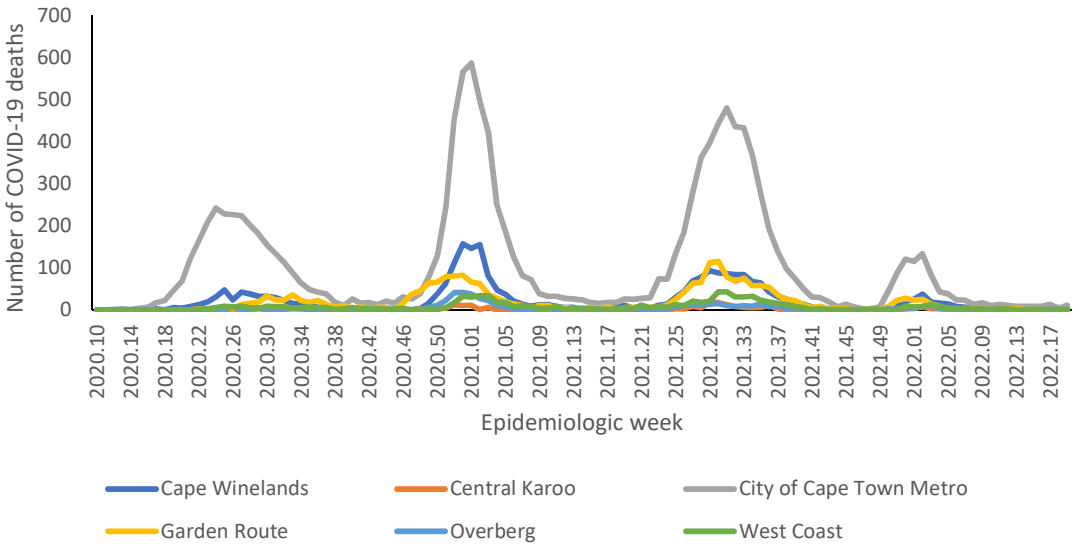

Figure 42: Number of reported COVID-19 in-hospital deaths, by district and epidemiologic week, Western Cape, 5 March 2020-14 May 2022, N=18,639

Table 13: Previous 14 days and current 14 days average COVID-19 admissions and deaths and percentage changes, Western Cape, 16 April-14 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	4.64	7.07	52.31	0.36	0.57	60.00
Central Karoo	0.07	0.29	300.00	0.00	0.07	0.00
City of Cape Town Metro	30.71	37.93	23.49	1.57	1.07	-31.82
Garden Route	1.79	5.07	184.00	0.00	0.07	0.00
Overberg	1.00	1.50	50.00	0.07	0.14	100.00
West Coast	2.29	3.00	31.25	0.14	0.14	0.00

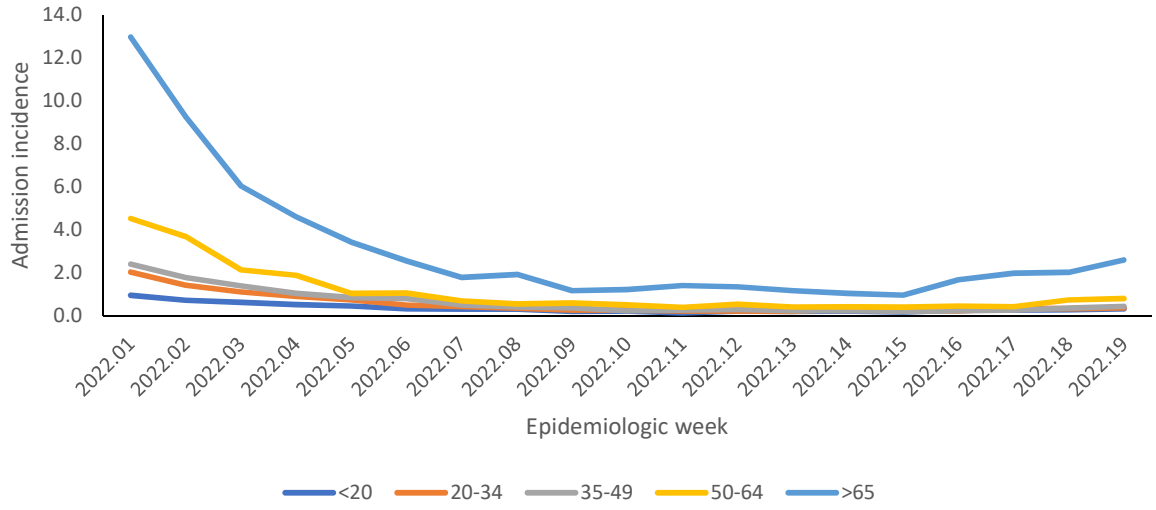

Figure 43a: Incidence risk of COVID-19 admissions per 100,000 persons, by age group (years) and epidemiologic week of diagnosis, Western Cape, week 1-19 2022

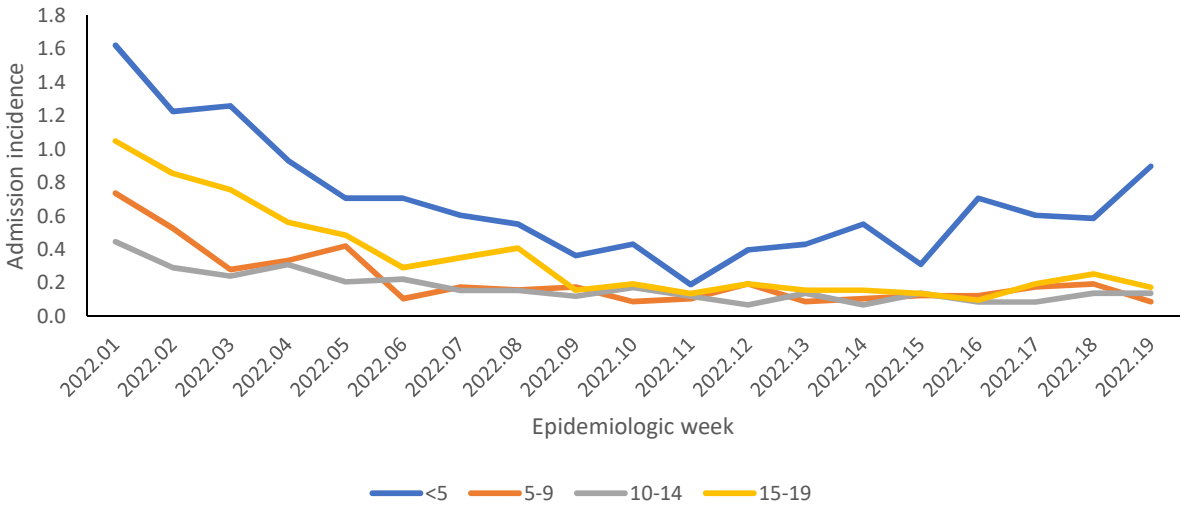

Figure 43b: Incidence risk of COVID-19 admissions per 100,000 persons, among children <20 years, by age group (years) and epidemiologic week of diagnosis, Western Cape, week 1-19 2022

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, 30 April-14 May 2022.

Province	District	Total admissions	Incidence (per 100k)	New admissions	New admissions incidence (per 100k)	% average change (14 days)
Eastern Cape	Alfred Nzo	2698	327.22	5	0.61	-28.57
	Amathole	3277	418.75	5	0.64	150.00
	Buffalo City Metro	10563	1334.57	23	2.91	-11.54
	Chris Hani	5192	728.64	13	1.82	0.00
	Joe Gqabi	1184	345.27	4	1.17	300.00
	Nelson Mandela Bay Metro	16517	1369.12	82	6.80	26.15
	O R Tambo	4970	324.08	12	0.78	100.00
	Sarah Baartman	3348	693.79	16	3.32	-5.88
Free State	Fezile Dabi	3743	731.70	30	5.86	-21.05
	Lejweleputswa	6509	996.51	49	7.50	4.26
	Mangaung Metro	14890	1699.03	77	8.79	-6.10
	Thabo Mofutsanyana	5721	748.54	35	4.58	6.06
	Xhariep	720	566.74	5	3.94	100.00
Gauteng	City of Johannesburg Metro	54681	909.35	304	5.06	-23.23
	City of Tshwane Metro	43046	1126.75	336	8.79	-20.94
	Ekurhuleni Metro	33396	825.33	205	5.07	-12.39
	Sedibeng	9892	1015.59	56	5.75	-34.12
	West Rand	13442	1405.46	58	6.06	-35.56
KwaZulu-Natal	Amajuba	4681	825.57	12	2.12	20.00
	eThekwini Metro	39690	989.88	313	7.81	-23.66
	Harry Gwala	2731	539.58	4	0.79	-75.00
	iLembe	3046	437.82	10	1.44	-47.37
	King Cetshwayo	9519	997.66	41	4.30	2.50
	Ugu	5763	716.39	16	1.99	-33.33
	uMgungundlovu	11574	1015.34	84	7.37	47.37
	uMkhanyakude	1495	217.30	3	0.44	100.00
	Umzinyathi	2345	415.71	7	1.24	-61.11
	UThukela	3193	455.89	21	3.00	10.53
	Zululand	2484	280.94	15	1.70	-6.25
Limpopo	Capricorn	8640	651.13	7	0.53	-36.36
	Mopani	3781	314.38	4	0.33	33.33
	Sekhukhune	2122	174.42	5	0.41	0.00
	Vhembe	3057	213.73	10	0.70	25.00

	Waterberg	3292	438.84	12	1.60	100.00
Mpumalanga	Ehlanzeni	7934	433.93	16	0.88	6.67
	Gert Sibande	7630	601.79	29	2.29	123.08
	Nkangala	6803	412.97	33	2.00	3.13
North West	Bojanala Platinum	11288	579.41	11	0.56	-50.00
	Dr Kenneth Kaunda	17203	2141.54	105	13.07	64.06
	Dr Ruth Segomotsi Mompati	2337	500.94	8	1.71	-33.33
	Ngaka Modiri Molema	2771	306.23	2	0.22	-71.43
Northern Cape	Frances Baard	5460	1312.59	28	6.73	-15.15
	John Taolo Gaetsewe	1654	598.50	10	3.62	25.00
	Namakwa	1333	1139.40	3	2.56	-40.00
	Pixley Ka Seme	918	436.28	2	0.95	100.00
	ZF Mgcawu	2280	804.76	8	2.82	100.00
Western Cape	Cape Winelands	13393	1401.21	68	7.11	-11.69
	Central Karoo	1379	1819.45	6	7.92	500.00
	City of Cape Town Metro	82185	1756.50	411	8.78	25.30
	Garden Route	13067	2079.92	38	6.05	-25.49
	Overberg	3234	1058.49	10	3.27	-23.08
	West Coast	4449	947.61	32	6.82	6.67

Table 15: Number of reported COVID-19 admissions and in-hospital deaths by age and gender, South Africa, 5 March 2020-14 May 2022.

	ADMISSIONS				DEATHS			
Age Group (Years)	**Female**	**Male**	**Unknown**	**Total**	**Female**	**Male**	**Unknown**	**Total**
0-4	6668	8434	40	15142	177	200	2	379
5-9	1902	2514	8	4424	30	32	0	62
10-14	2597	2683	11	5291	66	66	0	132
15-19	7126	3991	6	11123	154	134	0	288
20-24	10993	5496	10	16499	347	265	1	613
25-29	17390	7791	14	25195	747	513	1	1261
30-34	22274	12378	13	34665	1277	1092	1	2370
35-39	22912	16240	22	39174	1823	1721	4	3548
40-44	20269	17933	14	38216	2240	2317	0	4557
45-49	22371	21927	12	44310	3209	3402	1	6612
50-54	25858	24240	10	50108	4364	4522	2	8888
55-59	28738	26230	15	54983	6182	6202	5	12389
60-64	25512	23393	20	48925	6636	6847	6	13489
65-69	22078	19675	17	41770	6872	6432	6	13310
70-74	18885	16606	20	35511	6123	5945	4	12072
75-79	14262	11746	9	26017	4852	4529	3	9384
80-84	10878	7684	8	18570	3970	3099	3	7072
85-89	5958	3697	2	9657	2233	1628	0	3861
90-94	2607	1297	1	3905	1093	625	0	1718
>=95	797	378	3	1178	359	158	0	517
Unknown	888	691	47	1626	48	45	0	93
Total	**290963**	**235024**	**302**	**526289**	**52802**	**49774**	**39**	**102615**


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