

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

SOUTH AFRICA WEEK 52 2020

OVERVIEW

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 to 26 December 2020.

HIGHLIGHTS

- As of 26 December, 133,679 COVID-19 admissions and 23,223 deaths were reported from 623 facilities (373 public-sector and 250 private-sector) in all nine provinces of South Africa. DATCOV coverage is 100% of public and private hospitals that have had COVID-19 admissions. New hospitals that have enrolled continue to capture historical admissions.
- There has been a resurgence in admissions in all provinces. Between week 51 and week 52, the number of COVID-19 admissions increased in four provinces, Free State, Limpopo, Mpumalanga and North West. Decreases in the most recent week may reflect delays in data submission particularly over the Christmas long weekend.
- The resurgence in admissions in Eastern Cape started in week 40; a decrease has been observed since week 47 in Nelson Mandela Metro, since week 48 in Sarah Baartman and since week 50 in Buffalo City. The resurgence in admissions started in Western Cape in week 43; a decrease has been observed since week 49 in Garden Route. The weekly admissions and deaths in the second wave have exceeded the numbers at the peak of the first wave in Eastern Cape and Western Cape.
- The resurgence in admissions started in KwaZulu-Natal in week 46; in Gauteng in week 48; with increased admissions observed in Free State, Limpopo, Mpumalanga and North West and in Northern Cape in week 48 and 49.

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METHODS

DATCOV, a hospital surveillance system for COVID-19 admissions, was 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 who was admitted to a DATCOV sentinel hospital. 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 2020 were utilised.

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 26 December 2020, a total of 623 facilities submitted data on hospitalised COVID-19 cases, 373 from public sector and 250 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-26 December 2020

Name of province	Public Sector	Private Sector
Eastern Cape	84	18
Free State	35	20
Gauteng	38	90
KwaZulu-Natal	62	45
Limpopo	40	7
Mpumalanga	27	9
North West	13	12
Northern Cape	16	8
Western Cape	58	41
South Africa	373	250

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RESULTS

Epidemiological and geographic trends in admissions

From 5 March to 26 December, a total of 133,679 COVID-19 admissions were reported from 623 facilities in all nine provinces of South Africa. There has been a resurgence in both public and private sector since week 40 (Figure 1).

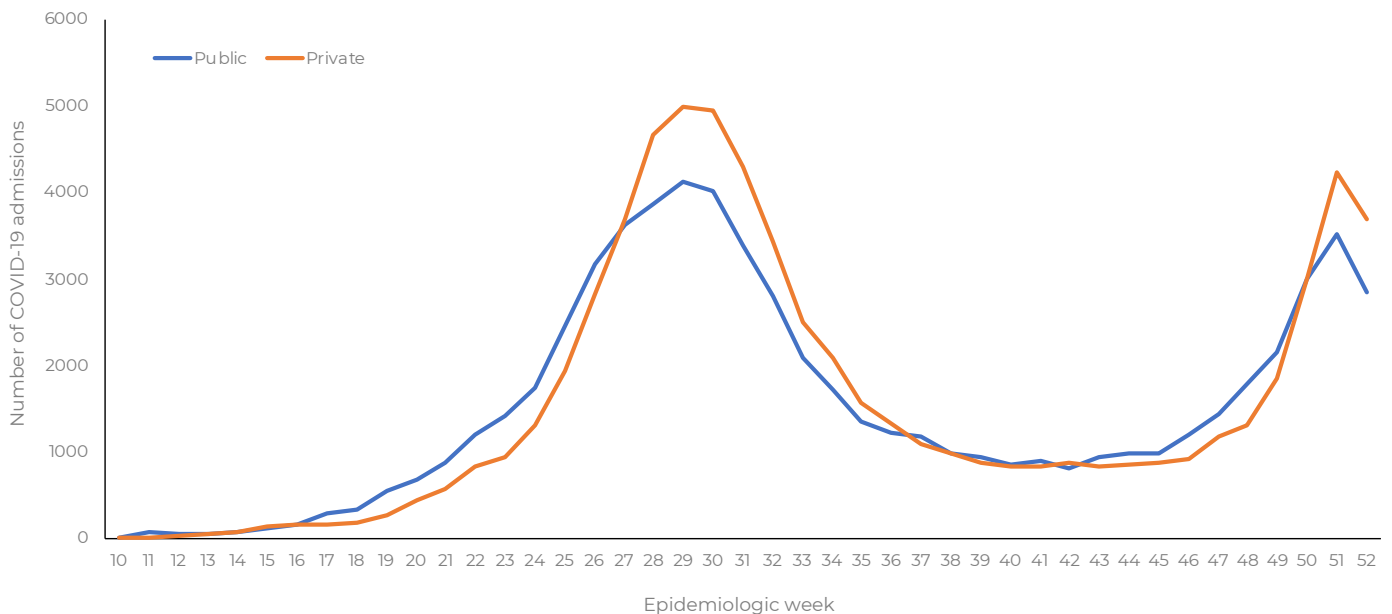


Figure 1. Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, South Africa, 5 March-26 December 2020, n=133,679

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The majority of admissions were recorded in four provinces, Gauteng, Western Cape, Eastern Cape and KwaZulu-Natal provinces. Admissions have increased in Eastern Cape since week 40, Western Cape since week 43, KwaZulu-Natal since week 46, Gauteng since week 48 and all other provinces since week 48 or 49 (Figure 2). The weekly numbers of admissions in Eastern Cape and Western Cape have surpassed the numbers during the peak of the first wave.

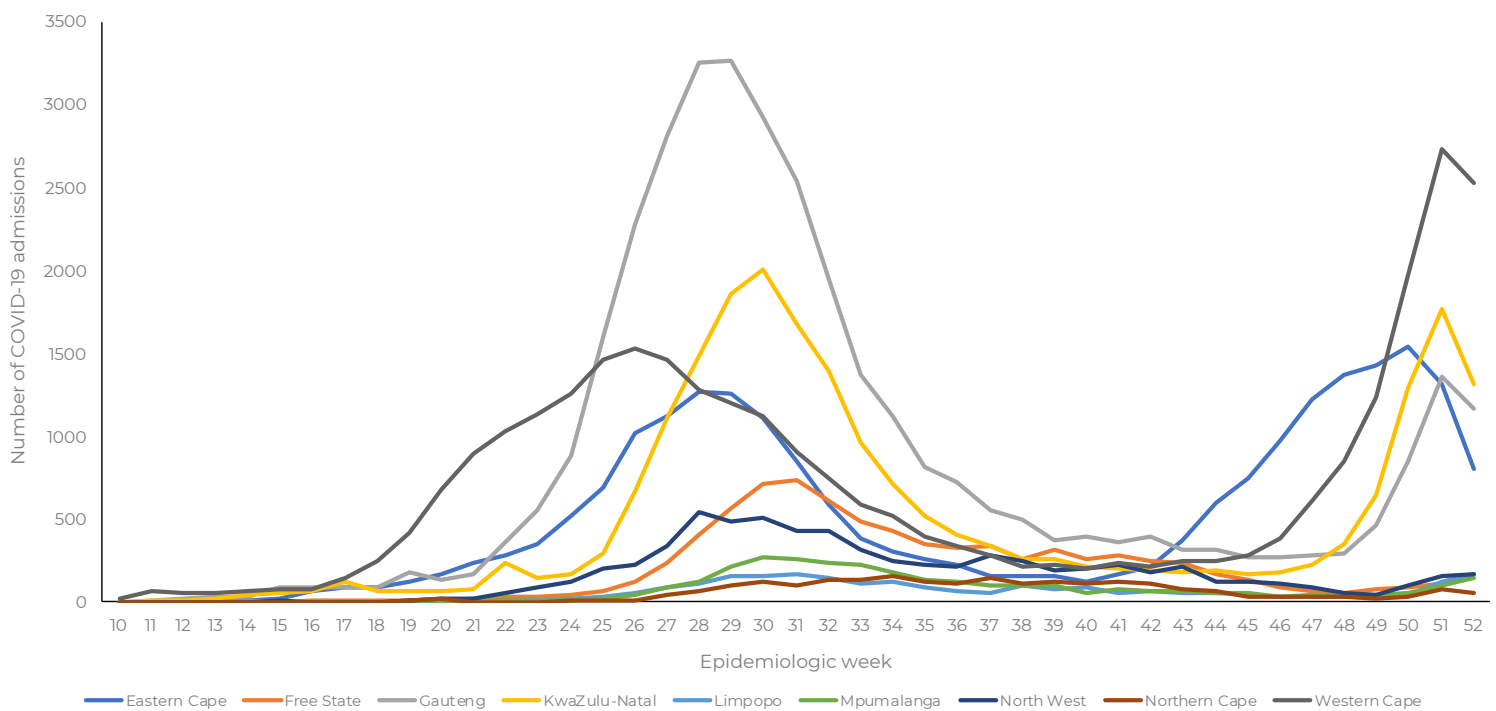


Figure 2. Number of reported COVID-19 admissions, by province and epidemiologic week of diagnosis, South Africa, 5 March-26 December 2020, n=133,679

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EPIDEMIOLOGICAL AND GEOGRAPHIC TRENDS IN IN-HOSPITAL MORTALITY

More deaths have been reported in the public sector. There has been an increase in deaths in both public and private sector since week 42 (Figure 3).

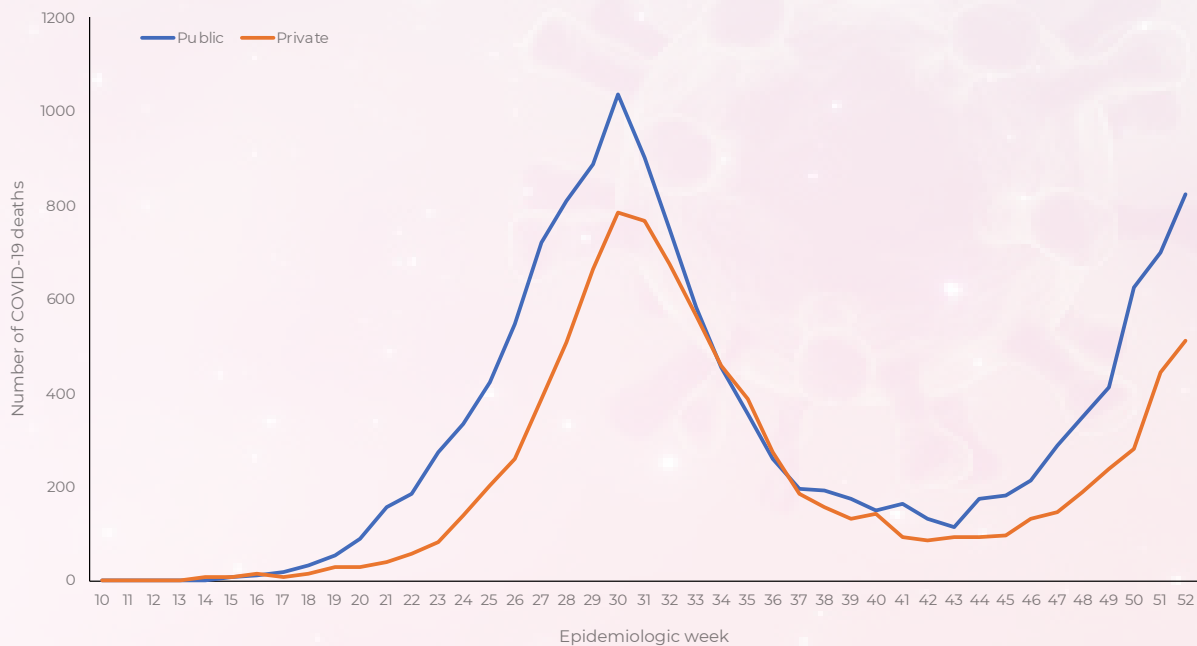


Figure 3. Number of COVID-19 deaths reported per week by health sector and epidemiologic week, South Africa, 5 March-26 December 2020, n=23,223

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Most deaths were reported in Eastern Cape, Gauteng, Western Cape and KwaZulu-Natal (Figure 4). The weekly numbers of deaths in Eastern Cape and Western Cape have surpassed the numbers during the peak of the first wave.

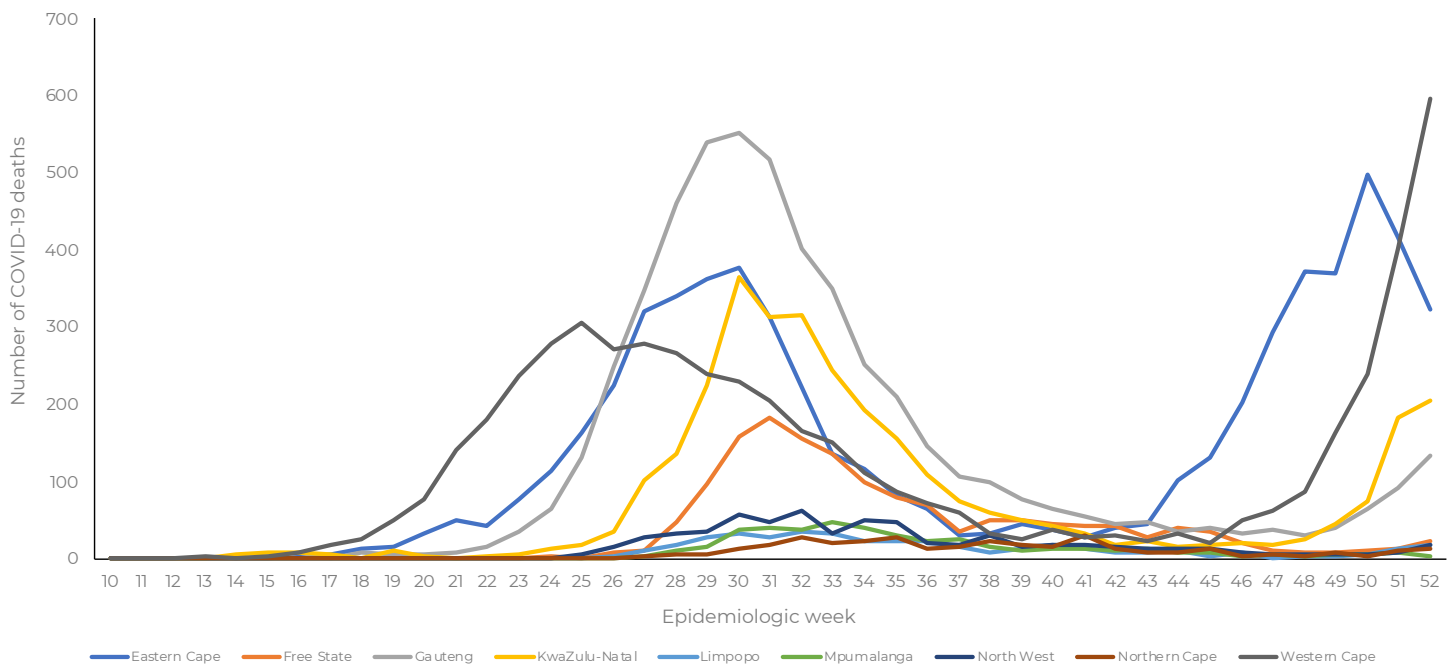


Figure 4. Number of reported COVID-19 deaths, by province and epidemiologic week of death, South Africa, 5 March-26 December 2020, n=23,223

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The cumulative incidence risks of COVID-19 admissions were highest in Western Cape, Eastern Cape and Free State provinces; and for deaths were highest in Eastern Cape, Western Cape and Free State provinces (Table 2).

Table 2. Number and cumulative incidence risk of COVID-19 hospitalisations and deaths per 100,000 persons by province, South Africa, 5 March-26 December 2020

Province	Provincial Population mid 2020*	Cumulative admissions	Cumulative Admissions / 100,000	Cumulative deaths	Cumulative deaths / 100,000
Eastern Cape	6,734,001	22438	333,2	6048	89,8
Free State	2,928,903	8138	277,9	1521	51,9
Gauteng	15,488,137	35 640	230,1	5310	34,3
KwaZulu-Natal	11,531,628	22076	191,4	3178	27,6
Limpopo	5,852,553	2510	42,9	411	7,0
Mpumalanga	4,679,786	3151	67,3	441	9,4
North West	4,108,816	7 051	171,6	652	15,9
Northern Cape	1,292,786	2 389	184,8	354	27,4
Western Cape	7,005,741	30 286	432,3	5297	75,6
South Africa	59,622,350	133 679	224,2	23 212	38,9

*StatsSA mid-year population estimates 2020

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MONITORING FOR RESURGENCE

The number of COVID-19 admissions increased in four provinces from week 51 to week 52, Free State, Limpopo, Mpumalanga and North West. The highest proportion of new admissions were in Western Cape and KwaZulu-Natal (Table 3). There were 20 of 52 (38%) districts across the country that reported increased numbers of admissions from week 51 to week 52. Decreases in the most recent week may reflect delays in data submission.

Table 3. Percentage change in COVID-19 admissions, epidemiologic week 51 to week 52, by province, South Africa

Province	Hospital admissions		Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100,000 persons
	Week 51	Week 52*			
Eastern Cape	1314	803	-39	12,3	11,9
Free State	111	174	57	2,7	5,9
Gauteng	1359	1173	-14	18,0	7,6
KwaZulu-Natal	1771	1310	-26	20,1	11,4
Limpopo	126	170	35	2,6	2,9
Mpumalanga	103	151	47	2,3	3,2
North West	162	168	4	2,6	4,1
Northern Cape	74	55	-26	0,8	4,3
Western Cape	2740	2526	-8	38,7	36,1
South Africa	7 760	6 530	-16	100,0	11,0

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

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EASTERN CAPE

The increase in admissions in the Eastern Cape started in week 40, in public and private sectors, exceeding the weekly numbers of admissions at the peak of the first wave in both sectors. In the last four weeks a decrease in admissions has been observed (Figure 5). Decreases in the most recent week may reflect delays in data submission.

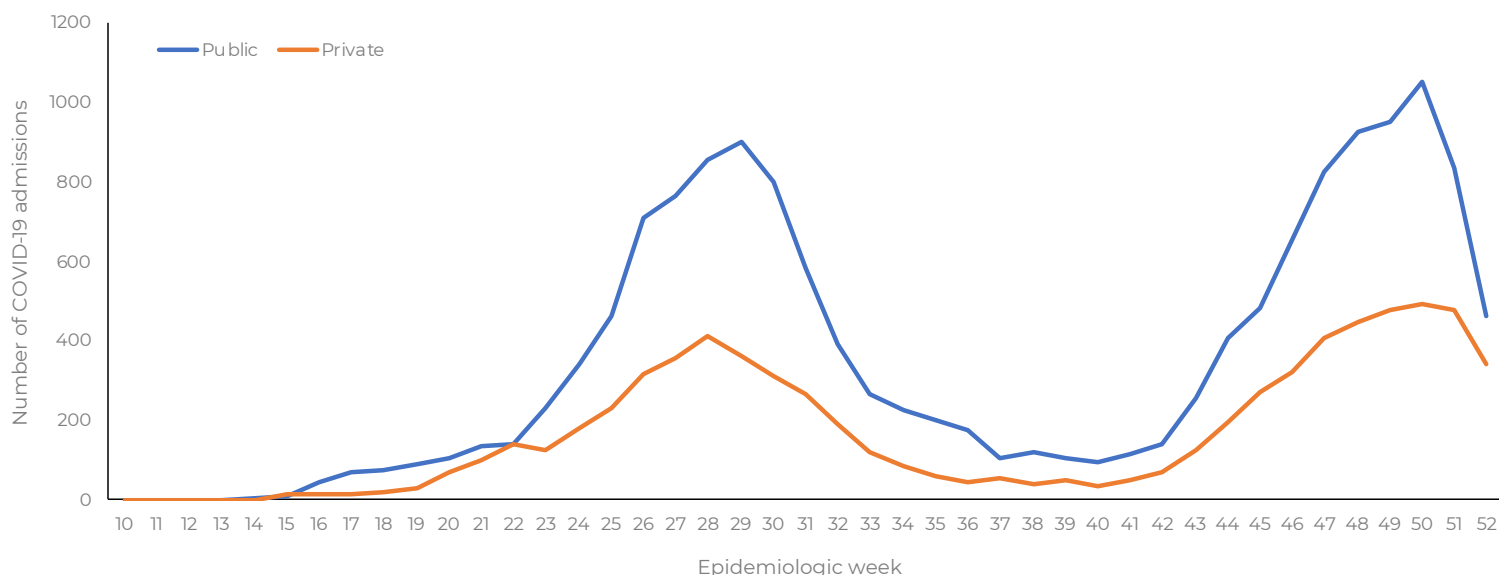


Figure 5: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Eastern Cape, 5 March-26 December 2020

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The increase in admissions in Eastern Cape was predominantly in Nelson Mandela Bay Metro and Buffalo City Metro. The weekly admissions exceeded the numbers of admissions at the peak of the first wave in all districts (Figure 6). Admissions have decreased since week 47 in Nelson Mandela Bay Metro, week 48 in Sarah Baartman and week 50 in Buffalo City. Decreases in the most recent week may reflect delays in data submission.

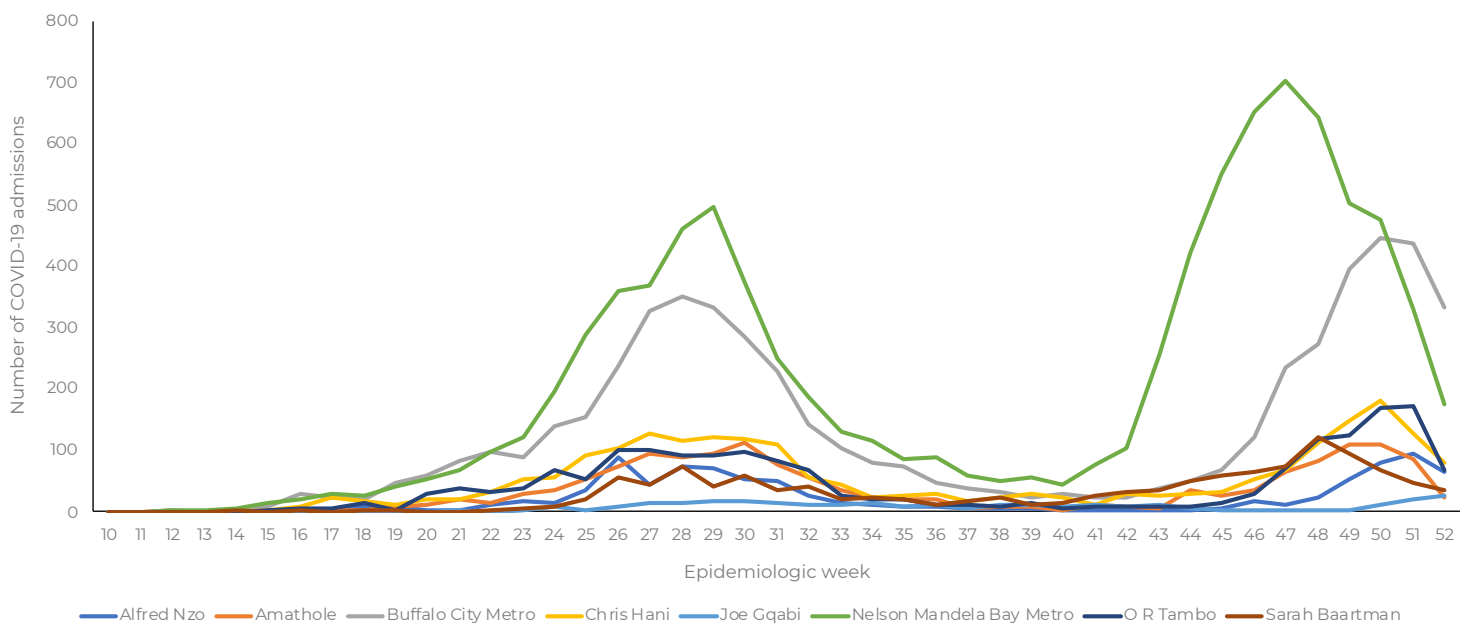


Figure 6. Number of reported COVID-19 admissions, by district and epidemiologic week, Eastern Cape, 5 March-26 December 2020

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The only district with an increase in the number of COVID-19 admissions was Joe Gqabi district from week 51 to week 52. The highest proportion of new admissions and the highest incidence risk of new admissions were in Buffalo City Metro and Nelson Mandela Metro (Table 4).

Table 4: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Eastern Cape

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Alfred Nzo	905	94	66	-30	8,2	1,0
Amathole	1485	86	23	-73	2,9	0,4
Buffalo City Metro	5526	438	332	-24	41,3	5,2
Chris Hani	2195	127	80	-37	10,0	1,4
Joe Gqabi	290	21	25	19	3,1	0,9
Nelson Mandela Bay Metro	8971	329	175	-47	21,8	1,8
O R Tambo	1825	171	67	-61	8,3	0,5
Sarah Baartman	1241	48	35	-27	4,4	0,9

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The increase in deaths in Eastern Cape was predominantly in Nelson Mandela Bay Metro and Buffalo City Metro. The weekly deaths exceeded the numbers of deaths at the peak of the first wave in all districts (Figure 7). The numbers of deaths have decreased in Nelson Mandela Bay Metro and Sarah Baartman in recent weeks. Decreases in the most recent week may reflect delays in data submission.

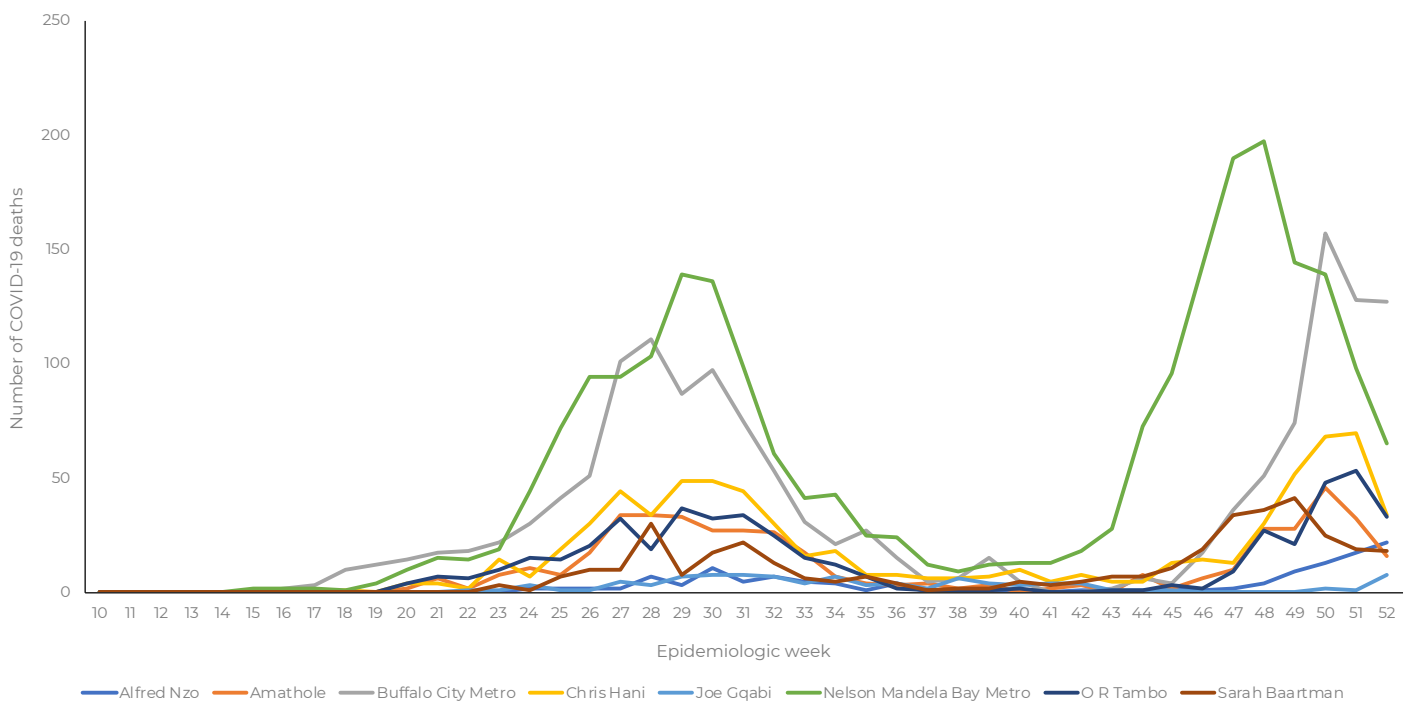


Figure 7. Number of reported COVID-19 deaths, by district and epidemiologic week, Eastern Cape, 5 March-26 December 2020

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WESTERN CAPE

There has been an increase in admissions reported in the Western Cape in both public and private sectors since week 43, exceeding the weekly numbers of admissions at the peak of the first wave in both sectors (Figure 8). Decreases in the most recent week may reflect delays in data submission.

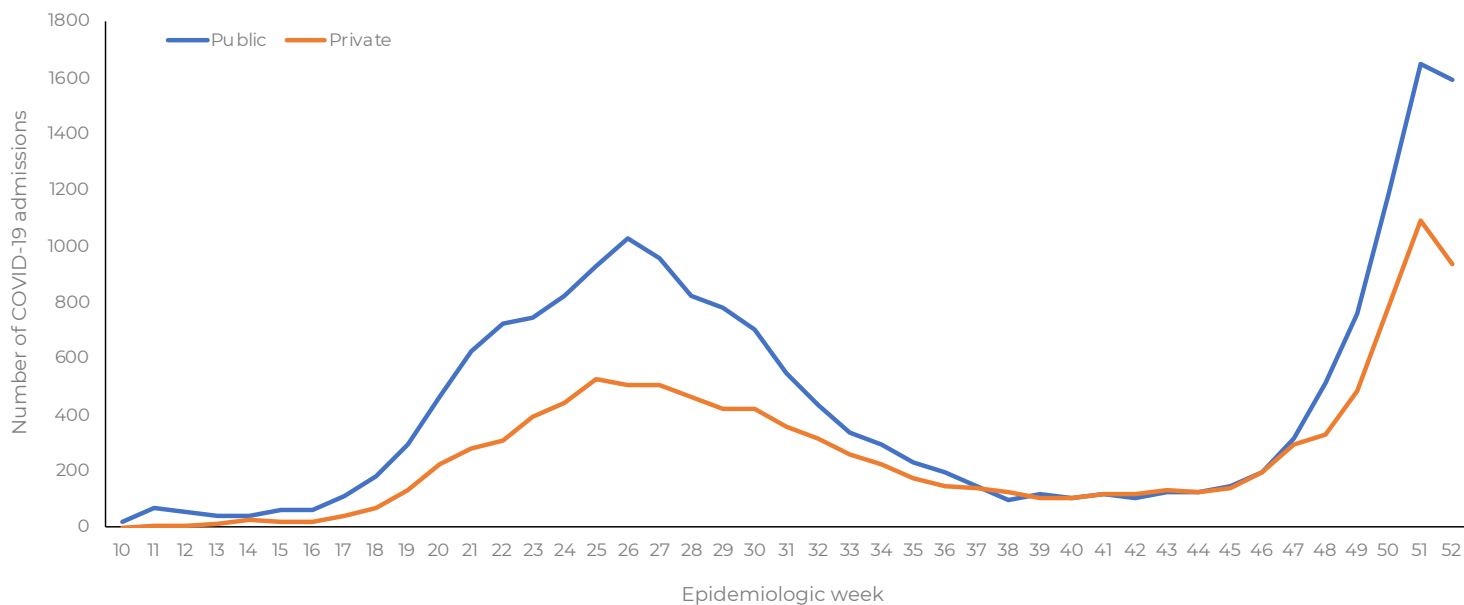


Figure 8: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Western Cape, 5 March-26 December 2020

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The increase in admissions in Western Cape is predominantly in City of Cape Town Metro, Garden Route and Cape Winelands, exceeding the weekly numbers of admissions at the peak of the first wave in all three districts (Figure 9). Admissions have decreased in Garden Route since week 49. Decreases in the most recent week may reflect delays in data submission.

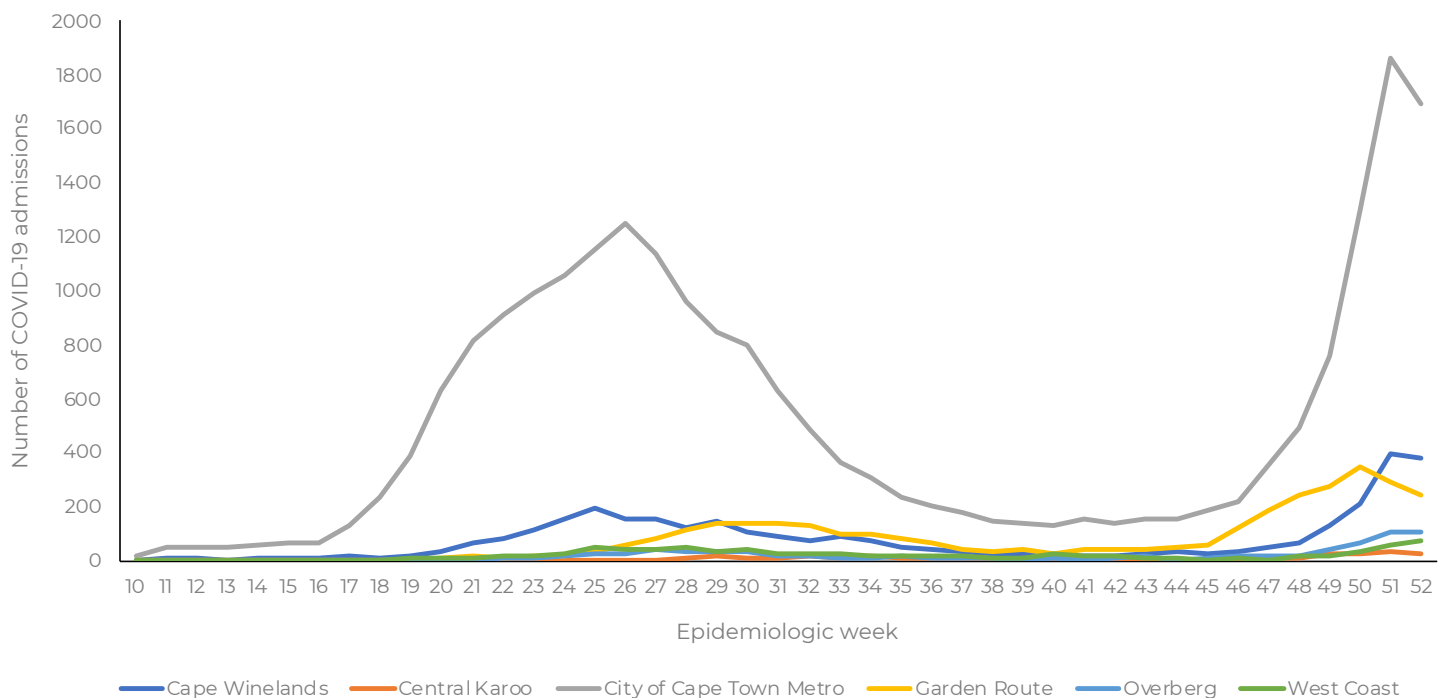


Figure 9: Number of reported COVID-19 admissions, by district and epidemiologic week, Western Cape, 5 March-26 December 2020

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The number of COVID-19 admissions increased in two of six districts from week 51 to week 52, Overberg and West Coast districts. The highest proportion of new admissions was in City of Cape Town (Table 5).

Table 5: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Western Cape

District	Cumulative hospital admissions	Admissions Week 50	Admissions Week 51	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Cape Winelands	3294	396	382	-4	15,1	1,6
Central Karoo	255	29	28	-3	1,1	1,5
City of Cape Town Metro	21931	1862	1691	-9	66,9	1,5
Garden Route	3306	289	243	-16	9,6	1,5
Overberg	723	106	107	1	4,2	1,4
West Coast	777	58	75	29	3,0	0,6

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The increase in deaths in Western Cape was predominantly in City of Cape Town Metro, Garden Route and Cape Winelands, exceeding the weekly numbers of deaths at the peak of the first wave in all three districts (Figure 10). The numbers of deaths in Garden Route has not increased in the past three weeks.

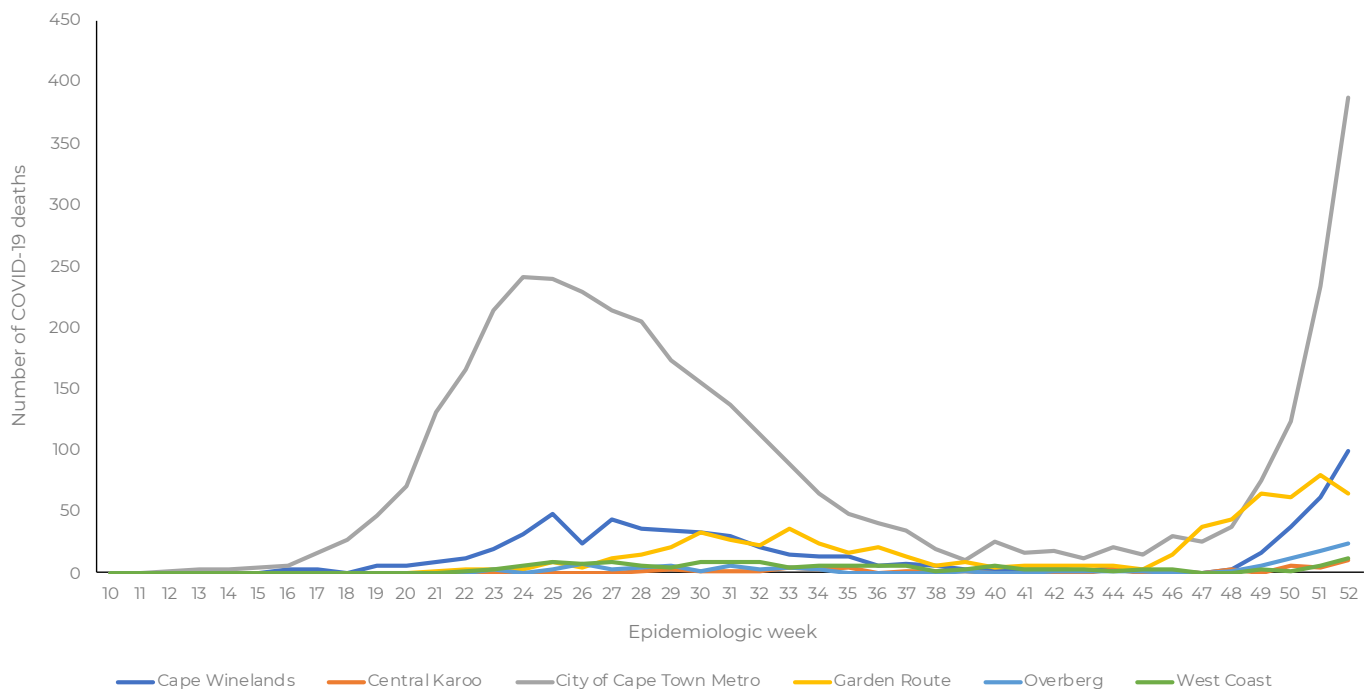


Figure 10: Number of reported COVID-19 deaths, by district and epidemiologic week, Western Cape, 5 March-26 December 2020

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KWAZULU-NATAL

There has been an increase in admissions reported in KwaZulu-Natal in the private sector since week 46 and in the public sector since week 47 (Figure 11). Decreases in the most recent week may reflect delays in data submission.

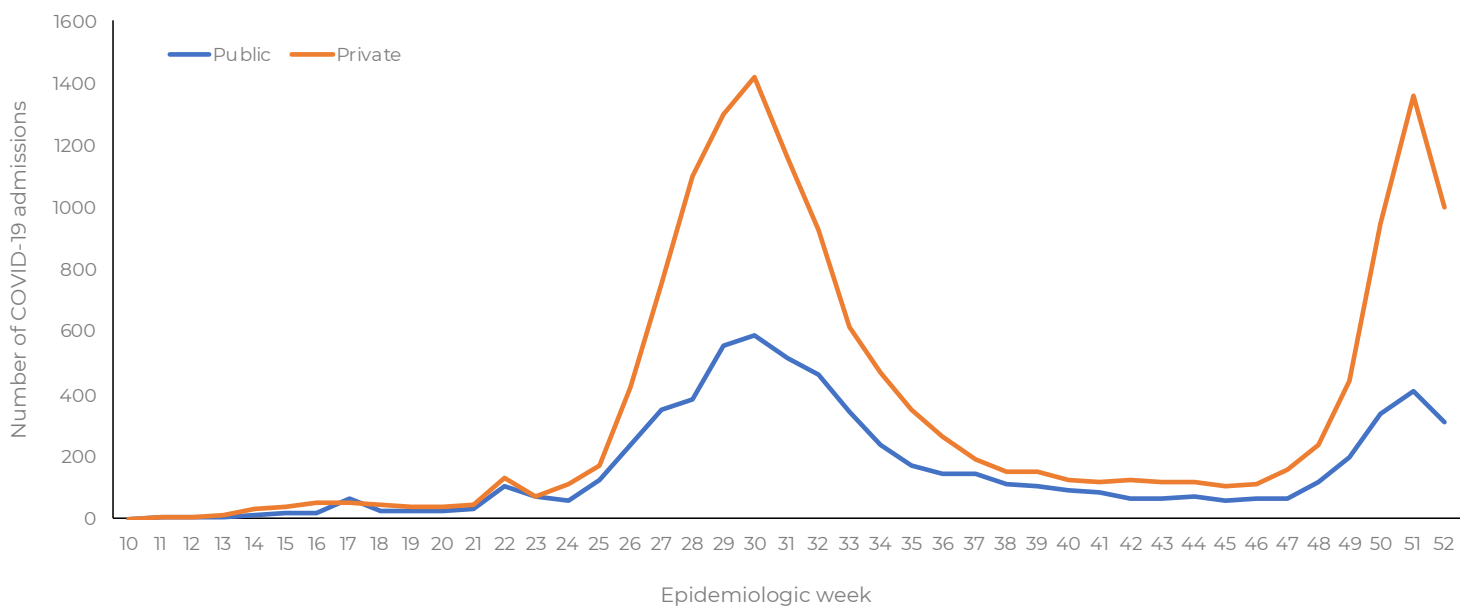


Figure 11: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, KwaZulu-Natal, 5 March-26 December 2020

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The increase in admissions in KwaZulu-Natal is predominantly in eThekweni Metro (Figure 12). Decreases in the most recent week may reflect delays in data submission.

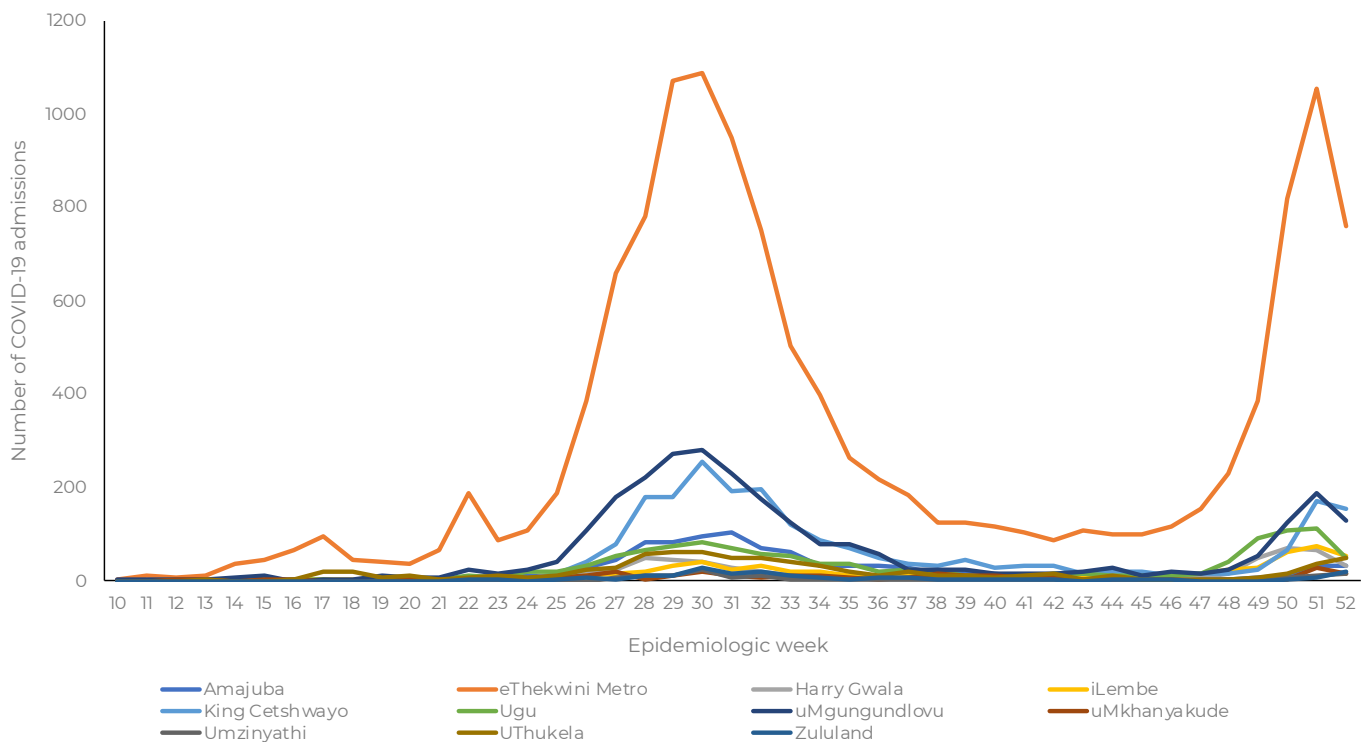


Figure 12: Number of reported COVID-19 admissions, by district and epidemiologic week, KwaZulu-Natal, 5 March-26 December 2020

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The number of COVID-19 admissions increased in three of 11 districts from week 51 to week 52, uMzinyathi, uThukela and Zululand. The highest proportion of new admissions was in eThekweni Metro (Table 6).

Table 6: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, KwaZulu-Natal

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Amajuba	888	33	33	0	2,5	0,4
eThekweni Metro	12666	1055	758	-28	57,9	1,5
Harry Gwala	526	64	34	-47	2,6	0,5
iLembe	599	73	55	-25	4,2	0,6
King Cetshwayo	2214	172	152	-12	11,6	1,2
Ugu	1192	113	47	-58	3,6	0,4
uMgungundlovu	2683	186	127	-32	9,7	0,8
uMkhanyakude	248	26	17	-35	1,3	0,2
Umzinyathi	139	9	16	78	1,2	0,2
UThukela	743	35	50	43	3,8	0,5
Zululand	178	5	21	320	1,6	0,2

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The increase in deaths in KwaZulu-Natal was predominantly in eThekweni (Figure 13). Decreases in the most recent week may reflect delays in data submission.

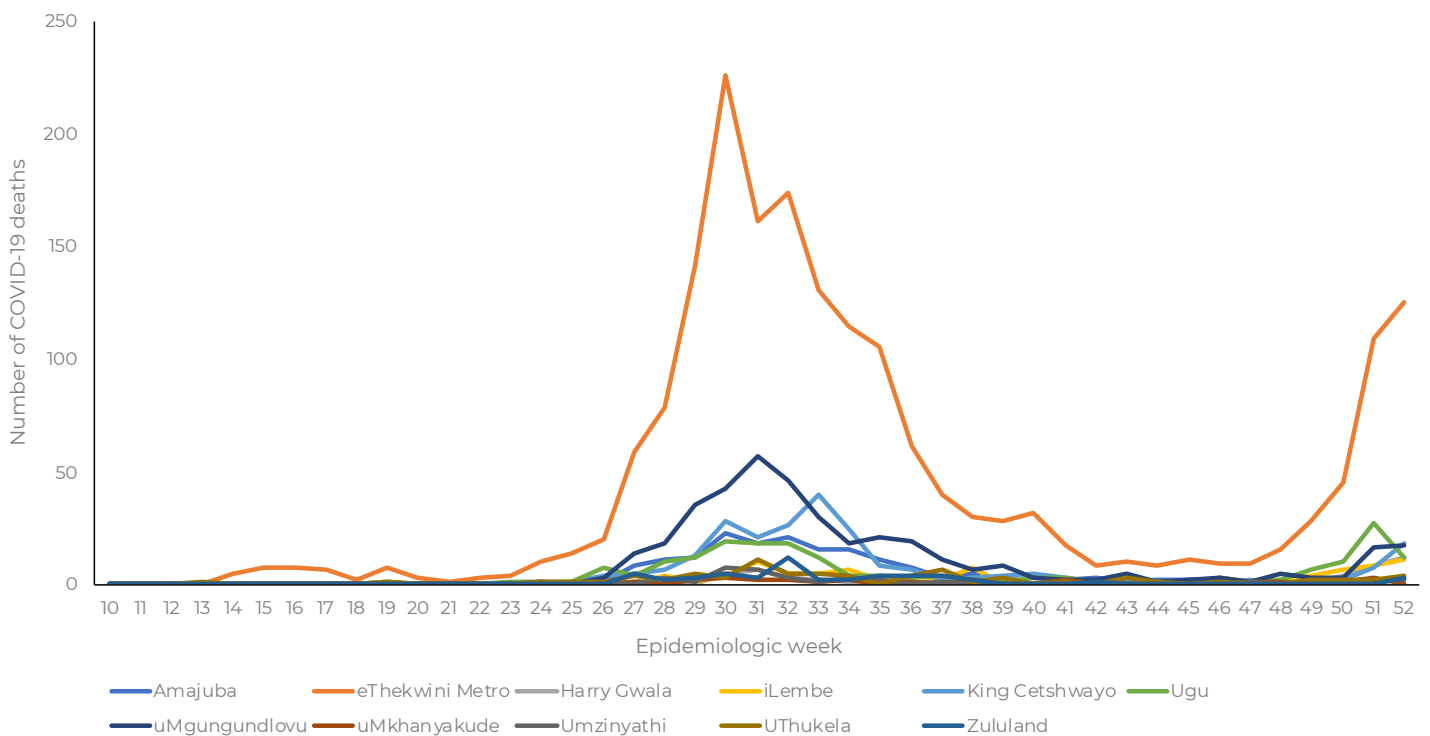


Figure 13: Number of reported COVID-19 deaths, by district and epidemiologic week, KwaZulu-Natal, 5 March-26 December 2020

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GAUTENG

There has been an increase in admissions reported in Gauteng in the private and public sector since week 48 (Figure 14). Decreases in the most recent week may reflect delays in data submission.

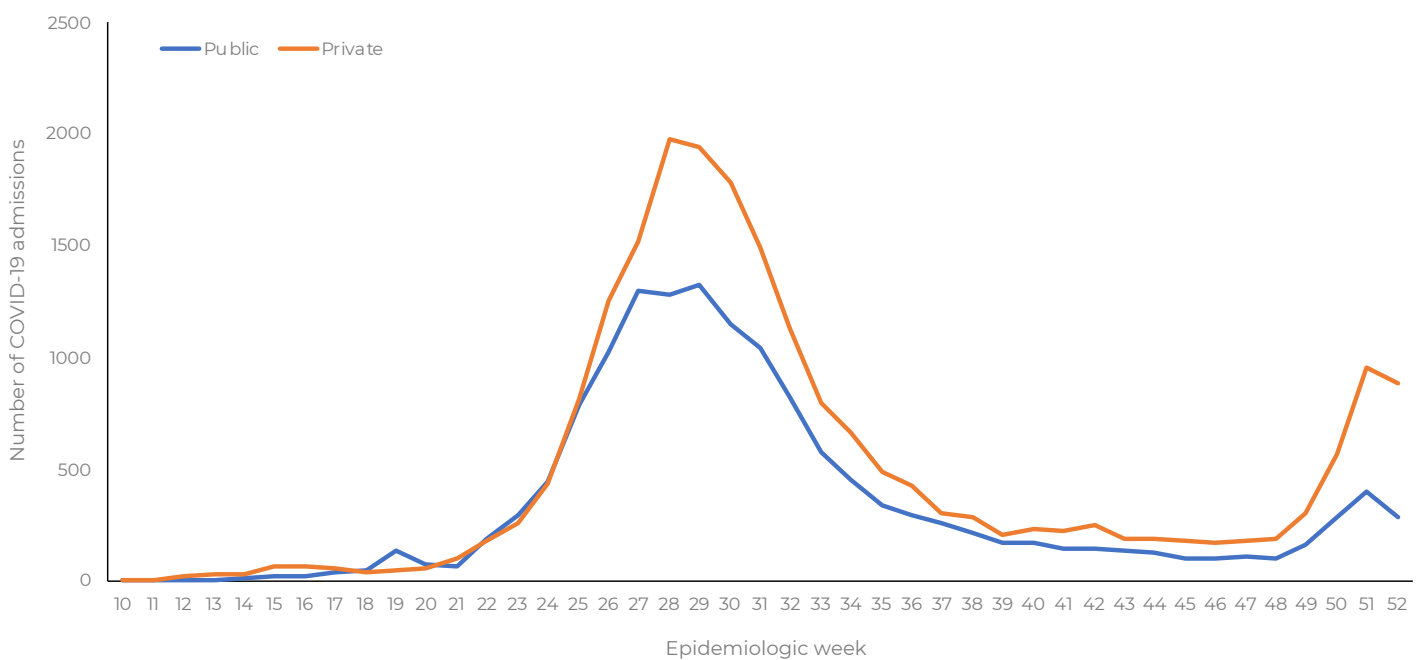


Figure 14: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Gauteng, 5 March-26 December 2020

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The increase in admissions in Gauteng is seen predominantly in City of Johannesburg and City of Tshwane (Figure 15). Decreases in the most recent week may reflect delays in data submission

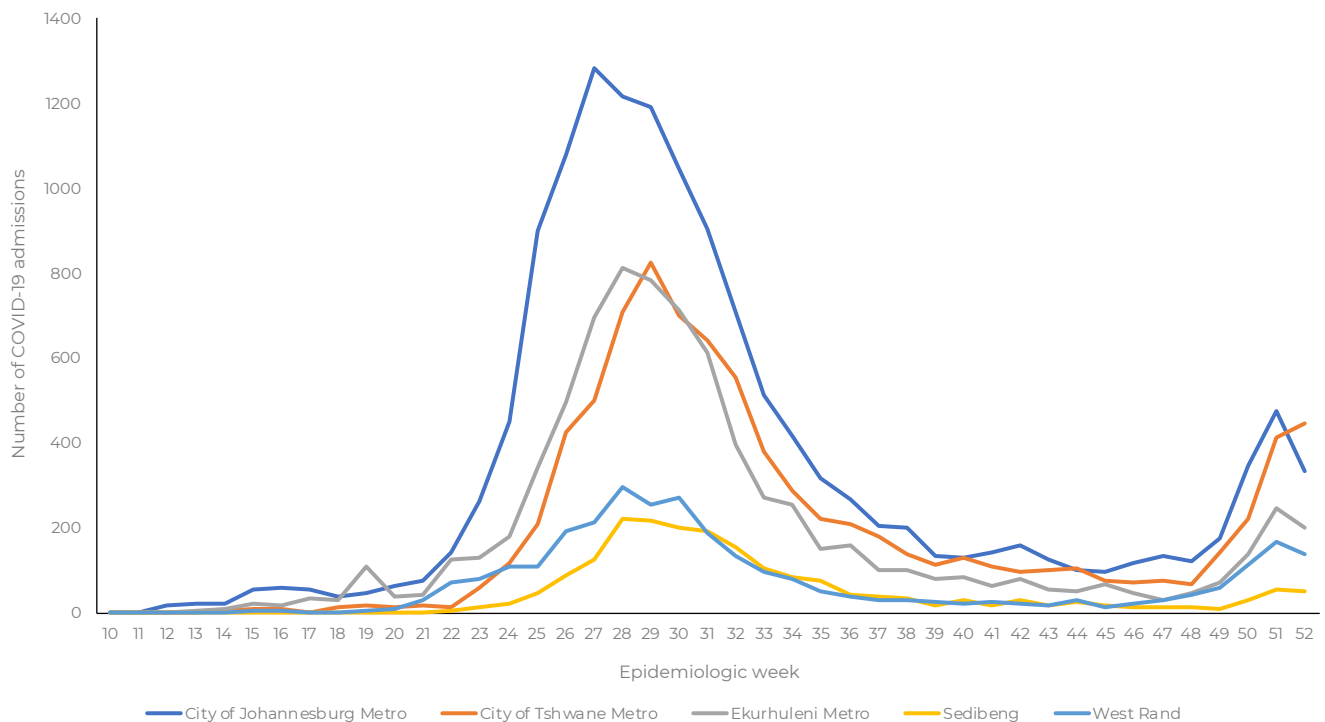


Figure 15: Number of reported COVID-19 admissions, by district and epidemiologic week, Gauteng, 5 March-26 December 2020

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The number of COVID-19 admissions increased in one district from week 51 to week 52, City of Tshwane. The highest proportion of new admissions were in City of Johannesburg and City of Tshwane Metros (Table 7).

Table 7: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Gauteng

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
City of Johannesburg Metro	14167	477	335	-30	28,6	0,5
City of Tshwane Metro	8457	413	446	8	38,0	1,0
Ekurhuleni Metro	7911	246	203	-17	17,3	0,4
Sedibeng	2048	56	50	-11	4,3	0,4
West Rand	3057	167	139	-17	11,8	1,2

There are small increases in deaths in all Gauteng districts except Sedibeng (Figure 16).

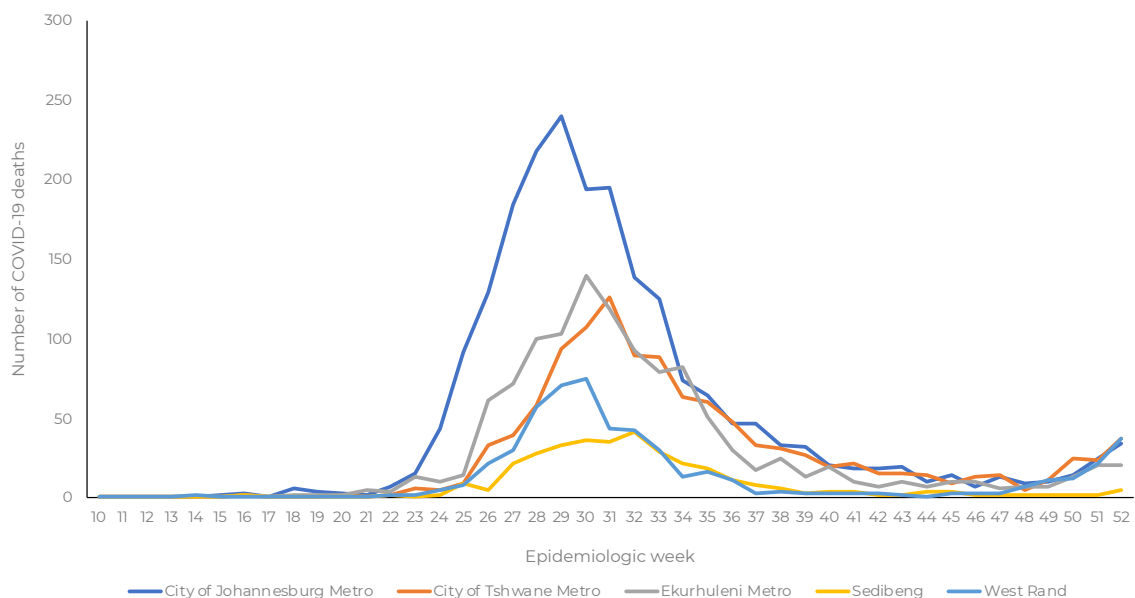


Figure 16: Number of reported COVID-19 deaths, by district and epidemiologic week, Gauteng, 5 March-26 December 2020

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FREE STATE

There has been an increase in admissions reported in Free State in the private sector since week 48 (Figure 17).

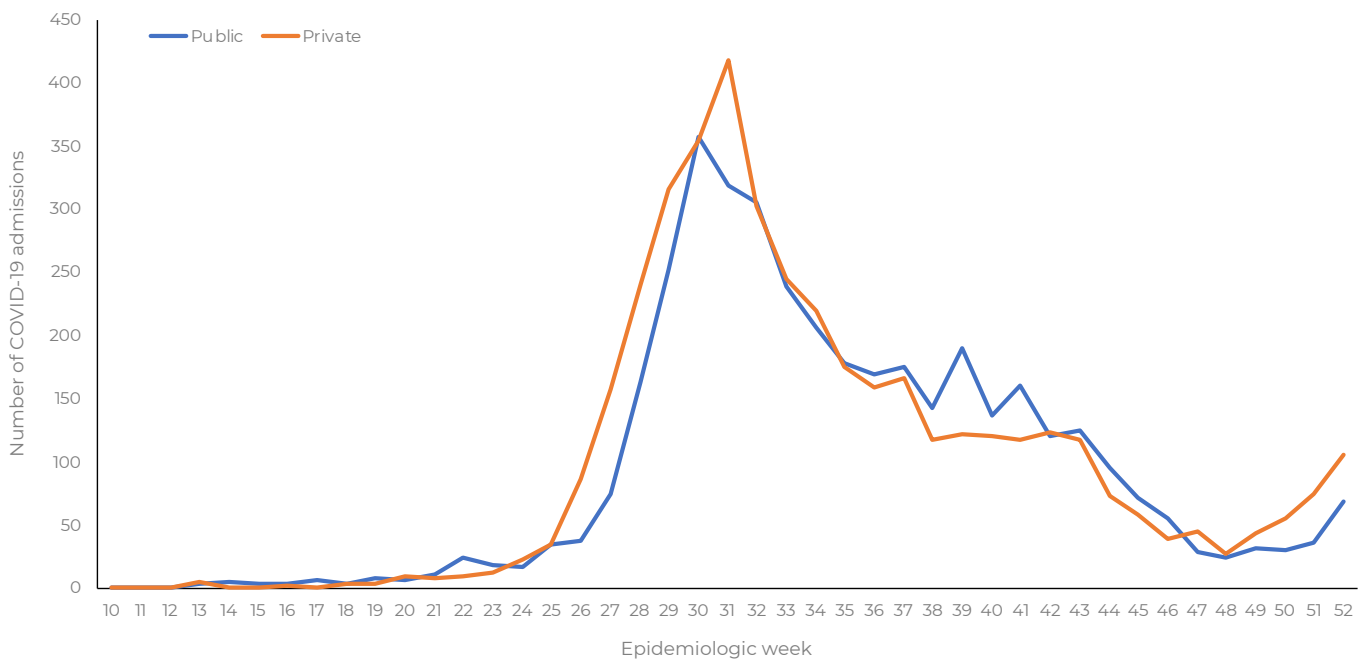


Figure 17: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Free State, 5 March-26 December 2020

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The increase in admissions in Free State is predominantly in Mangaung Metro (Figure 18).

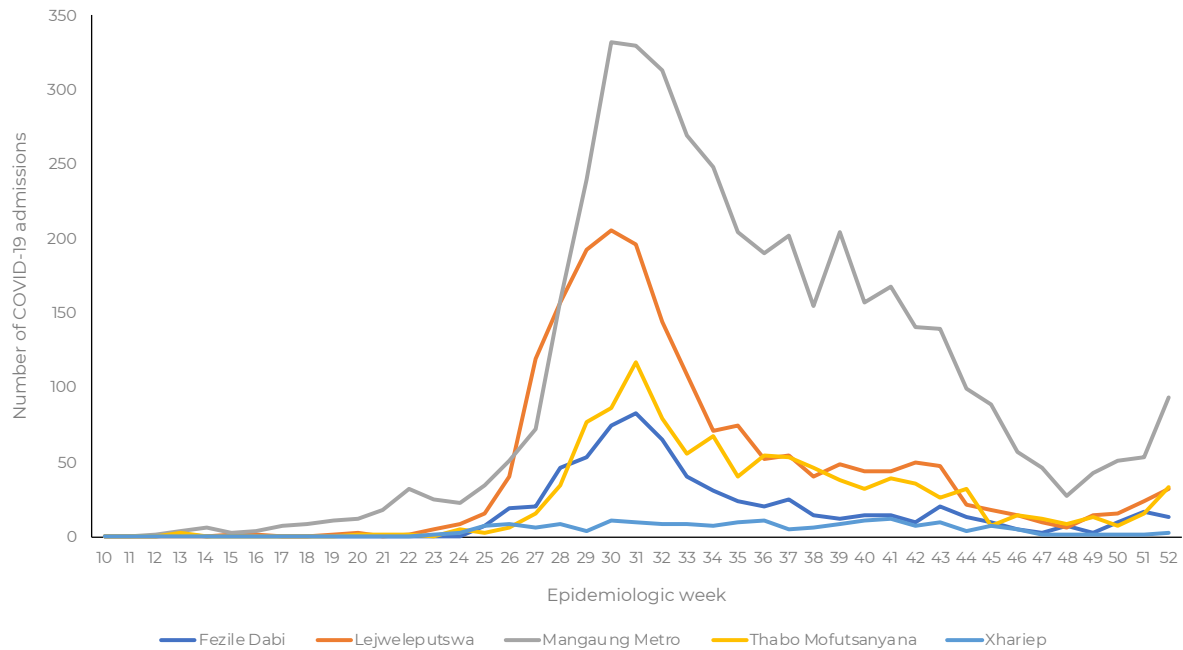


Figure 18: Number of reported COVID-19 admissions, by district and epidemiologic week, Free State, 5 March-26 December 2020

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The number of COVID-19 admissions increased in four of five districts from week 51 to week 52, Lejweleputswa, Mangaung Metro, Thabo Mofutsanyana and Xhariep. The highest proportion of new admissions were in Mangaung Metro (Table 8).

Table 8: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Free State

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Fezile Dabi	677	17	13	-24	7,5	1,5
Lejweleputswa	1884	24	32	33	18,4	2,8
Mangaung Metro	4323	53	93	75	53,4	6,1
Thabo Mofutsanyana	1064	16	33	106	19,0	2,5
Xhariep	190	1	3	200	1,7	1,3

There has been small increase in deaths in three Free State districts, Lejweleputswa, Thabo Mofutsanyane and Mangaung, but low numbers make it difficult to comment on trends (Figure 19).

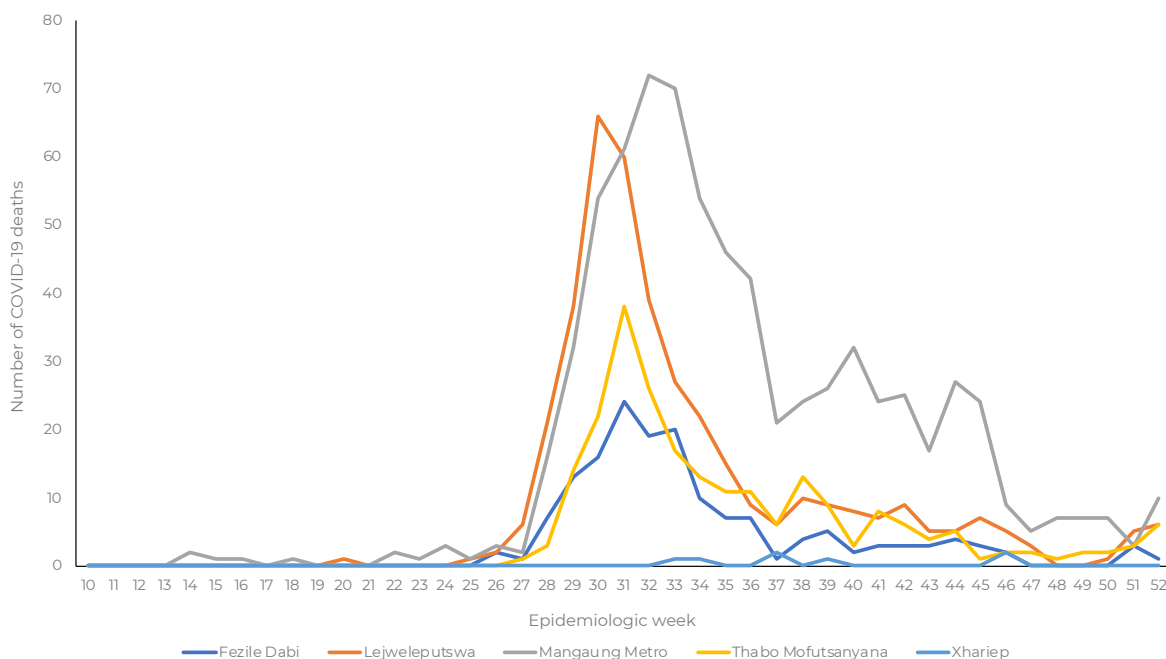


Figure 19: Number of reported COVID-19 deaths, by district and epidemiologic week, Free State, 5 March-26 December 2020

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LIMPOPO

There has been an increase in admissions reported in Limpopo in the private sector since week 48 and in the public sector since week 50, exceeding the weekly numbers of admissions at the peak of the first wave in the private sector (Figure 20). Decreases in the most recent week may reflect delays in data submission.

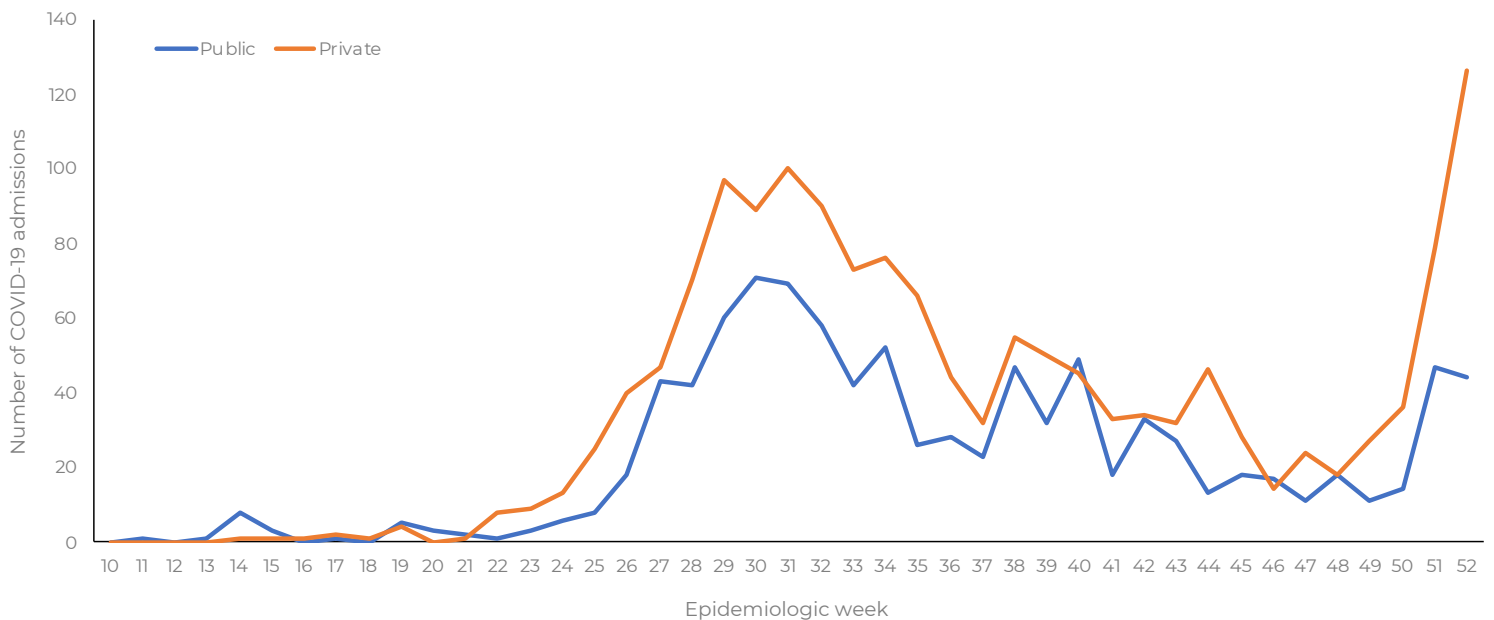


Figure 20: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Limpopo, 5 March-26 December 2020

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The increase in admissions in Limpopo is observed in all districts, exceeding the weekly numbers of admissions at the peak of the first wave in Mopani and Vhembe (Figure 21).

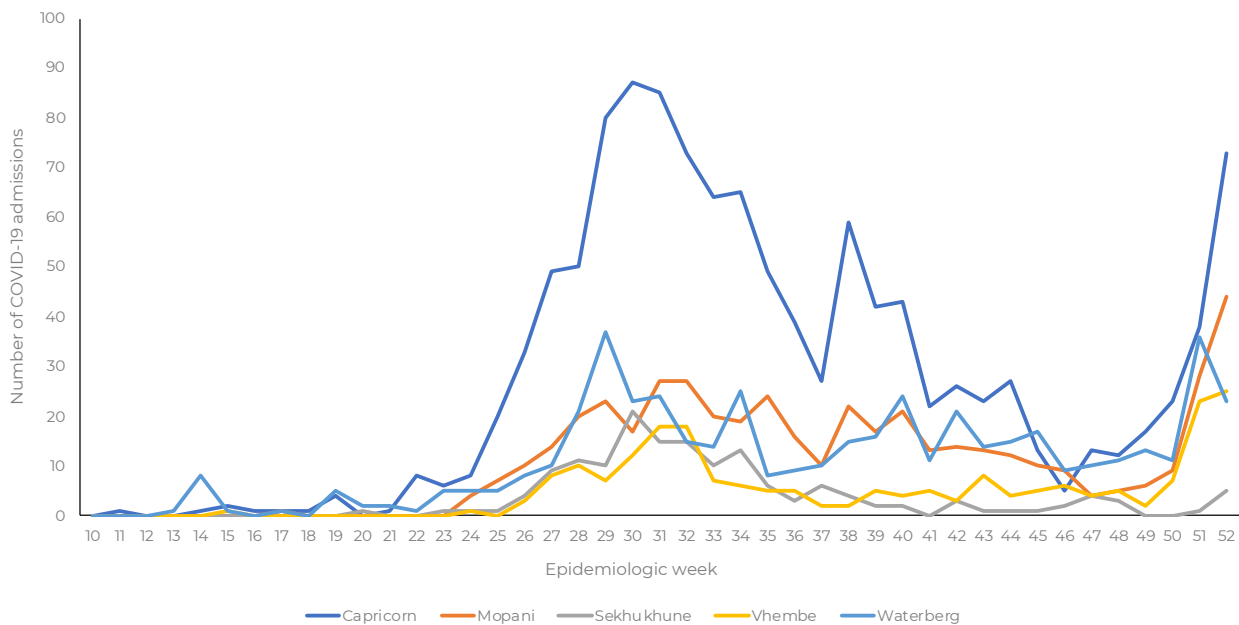


Figure 21: Number of reported COVID-19 admissions, by district and epidemiologic week, Limpopo, 5 March-26 December 2020

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The number of COVID-19 admissions increased in four of five districts from week 51 to week 52, Capricorn, Mopani, Sekhukhuni and Vhembe. The highest proportion of new admissions was in Capricorn (Table 9).

Table 9: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Limpopo

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Capricorn	1191	38	73	92	42,9	3,3
Mopani	466	28	44	57	25,9	2,2
Sekhukhune	156	1	5	400	2,9	0,2
Vhembe	211	23	25	9	14,7	1,0
Waterberg	486	36	23	-36	13,5	1,8

There have been small increases in deaths in all districts, but low numbers make it difficult to comment on trends (Figure 22).

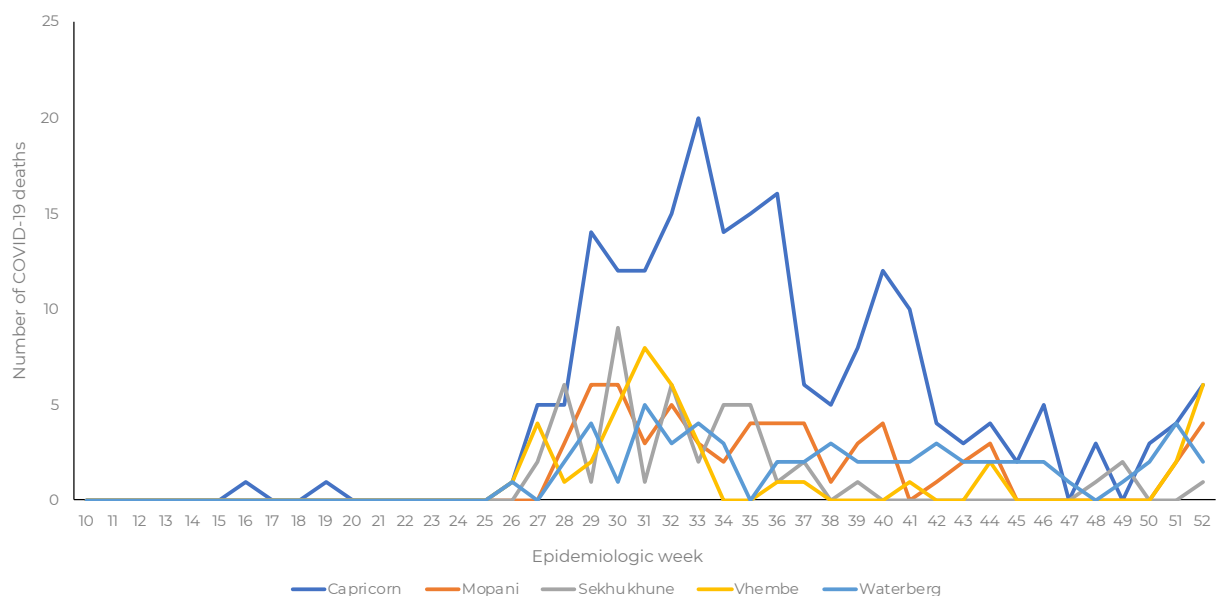


Figure 22: Number of reported COVID-19 deaths, by district and epidemiologic week, Limpopo, 5 March-26 December 2020

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MPUMALANGA

There has been an increase in admissions reported in Mpumalanga in the private sector since week 48 (Figure 23).

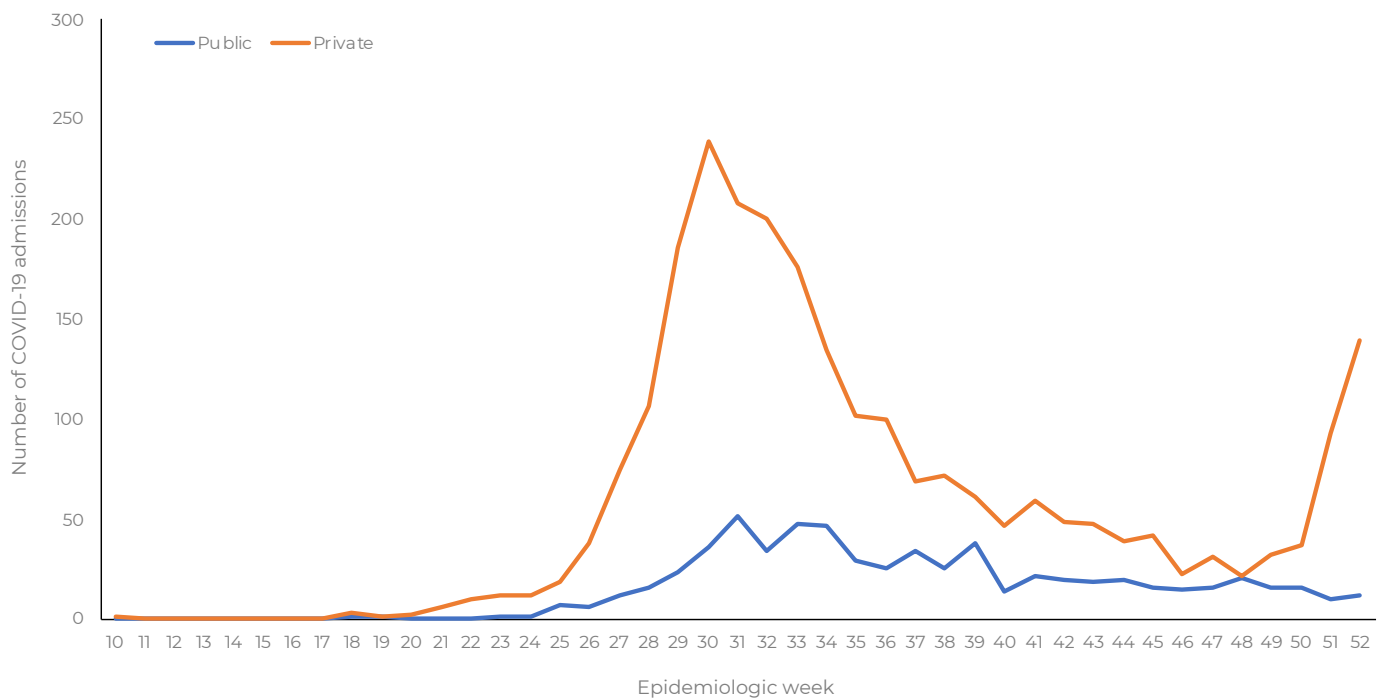


Figure 23: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Mpumalanga, 5 March-26 December 2020

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The increase in admissions in Mpumalanga is observed in all districts (Figure 24).

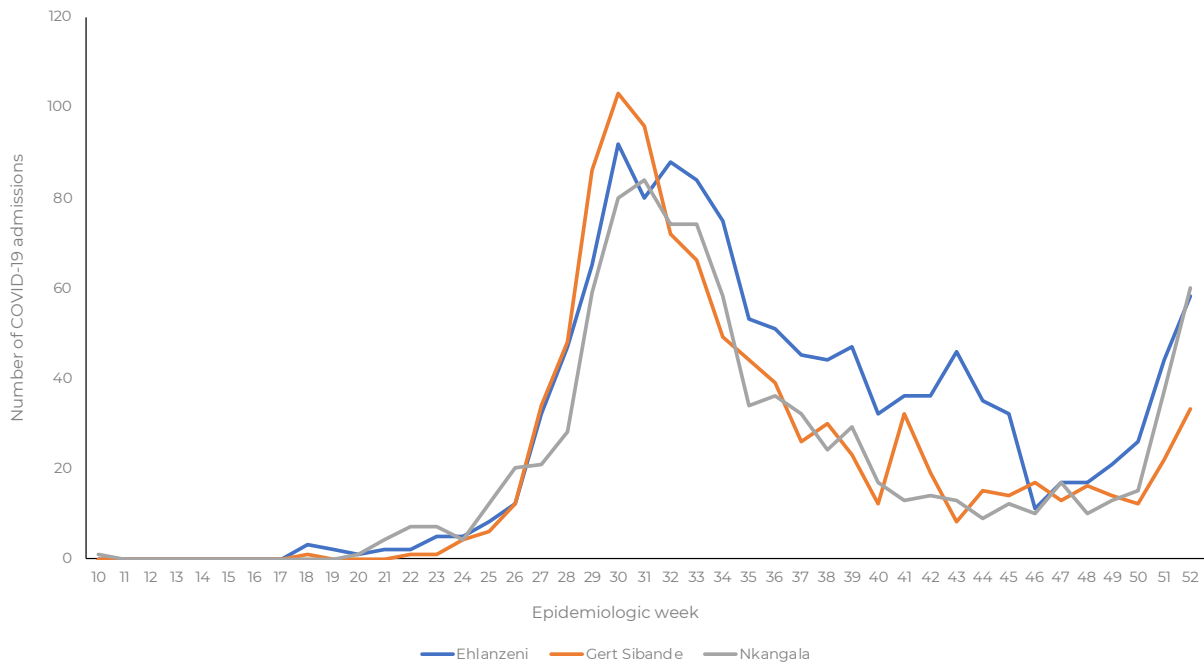


Figure 24: Number of reported COVID-19 admissions, by district and epidemiologic week, Mpumalanga, 5 March-26 December 2020

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The number of COVID-19 admissions increased in all three districts from week 51 to week 52. The highest proportion of new admissions were in Nkangala and Ehlanzeni (Table 10).

Table 10: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Mpumalanga

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Ehlanzeni	1254	44	58	32	38,4	2,1
Gert Sibande	968	22	33	50	21,9	1,8
Nkangala	929	37	60	62	39,7	2,5

There have been small increases in deaths in all districts, but low numbers make it difficult to comment on trends (Figure 25). Decreases in the most recent week may reflect delays in data submission.

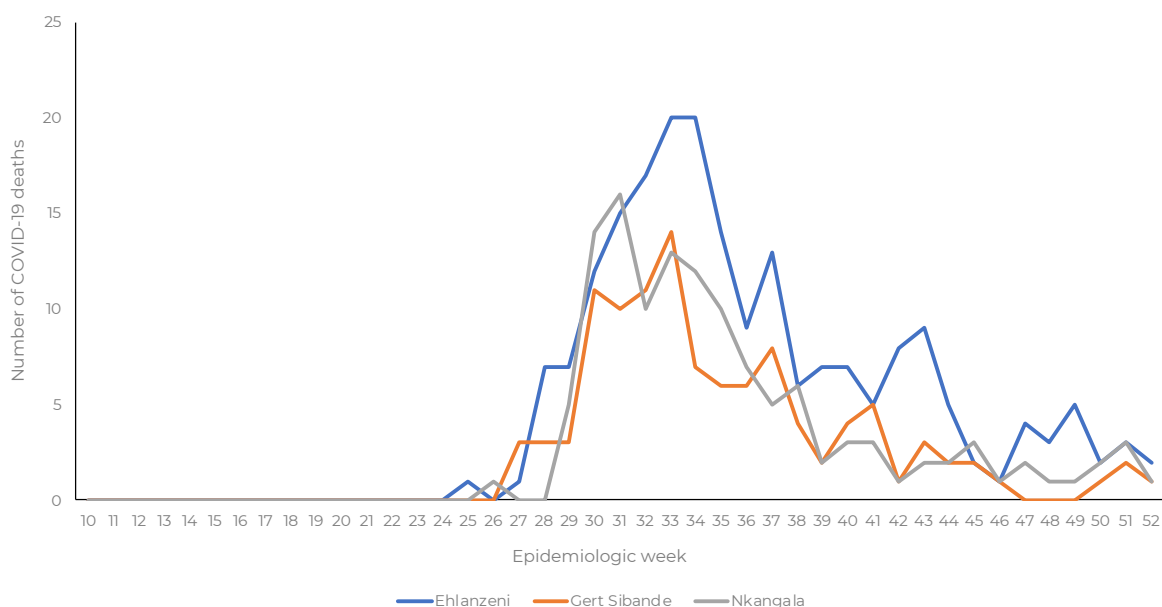


Figure 25: Number of reported COVID-19 deaths, by district and epidemiologic week, Mpumalanga, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

NORTH WEST

There has been an increase in admissions reported in North West in the private sector since week 48 and in the public sector since week 49 (Figure 26). Decreases in the most recent week may reflect delays in data submission.

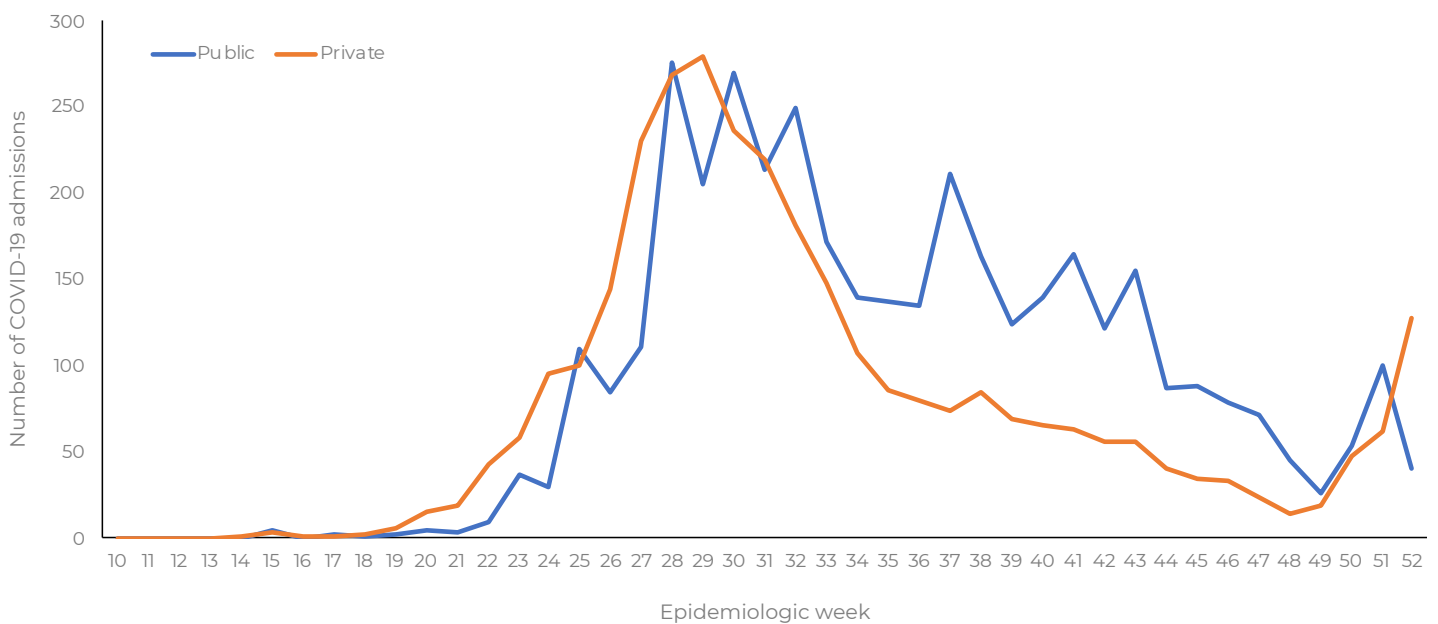


Figure 26: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, North West, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

The increase in admissions in North West is observed predominantly in Dr Kenneth Kaunda and Bojanala Platinum (Figure 27).

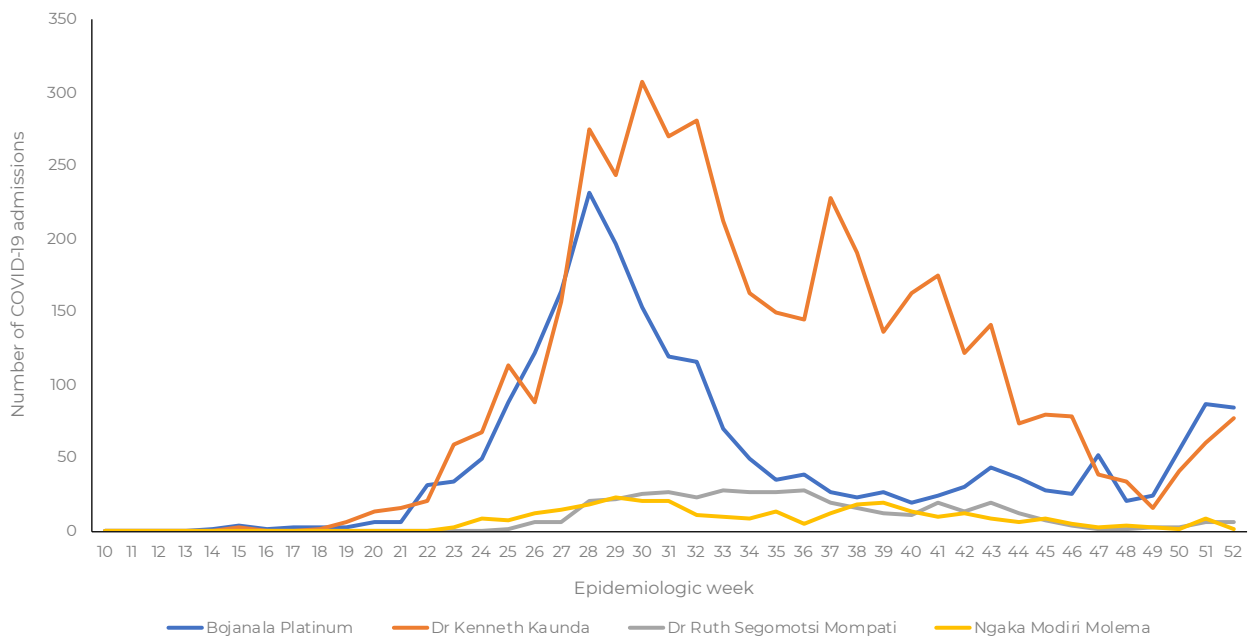


Figure 27: Number of reported COVID-19 admissions, by district and epidemiologic week, North West, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

The number of COVID-19 admissions increased in one of four districts from week 51 to week 52, Dr Kenneth Kaunda. The highest proportion of new admissions were in Bojanala Platinum and Dr Kenneth Kaunda (Table 11).

Table 11: Percentage change in COVID-19 admissions and deaths, epidemiologic week 50 to week 51, by district, North West

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Bojanala Platinum	2123	87	84	-3	50,0	2,6
Dr Kenneth Kaunda	4236	60	77	28	45,8	5,7
Dr Ruth Segomotsi Mompoti	389	6	6	0	3,6	0,8
Ngaka Modiri Molema	303	9	1	-89	0,6	0,1

There have been small increases in deaths in Bojanala Platinum, Dr Kenneth Kaunda and Dr Ruth Segomotsi Mompoti, but low numbers make it difficult to comment on trends (Figure 28).

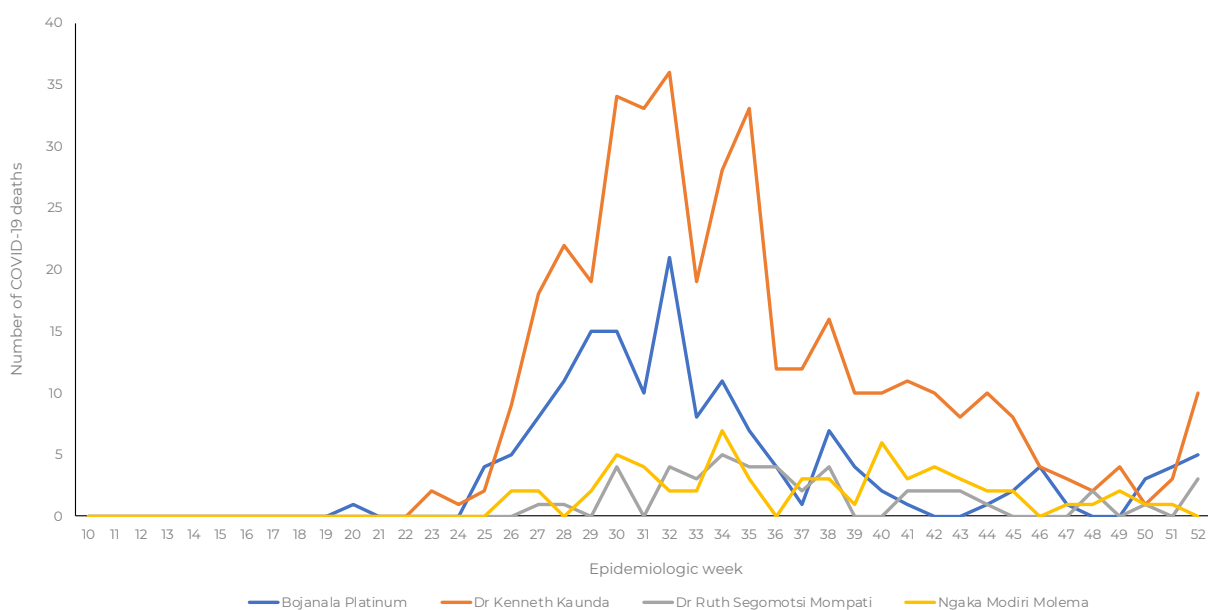


Figure 28: Number of reported COVID-19 deaths, by district and epidemiologic week, North West, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

NORTHERN CAPE

There has been an increase in admissions reported in Northern Cape in the public and private sector since week 49 (Figure 29). Decreases in the most recent week may reflect delays in data submission.

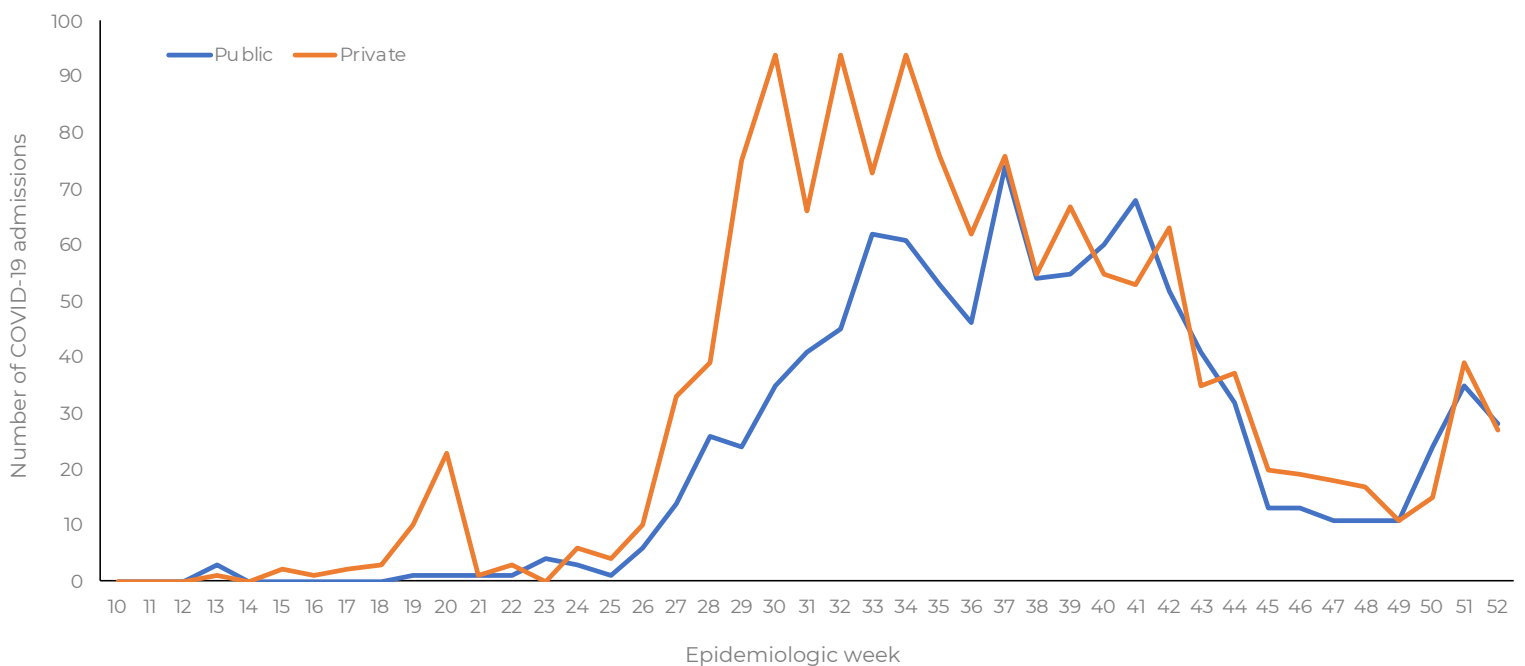


Figure 29: Number of reported COVID-19 admissions by health sector and epidemiologic week of diagnosis, Northern Cape, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

The increase in admissions in Northern Cape is observed across all districts (Figure 30). Decreases in the most recent week may reflect delays in data submission.

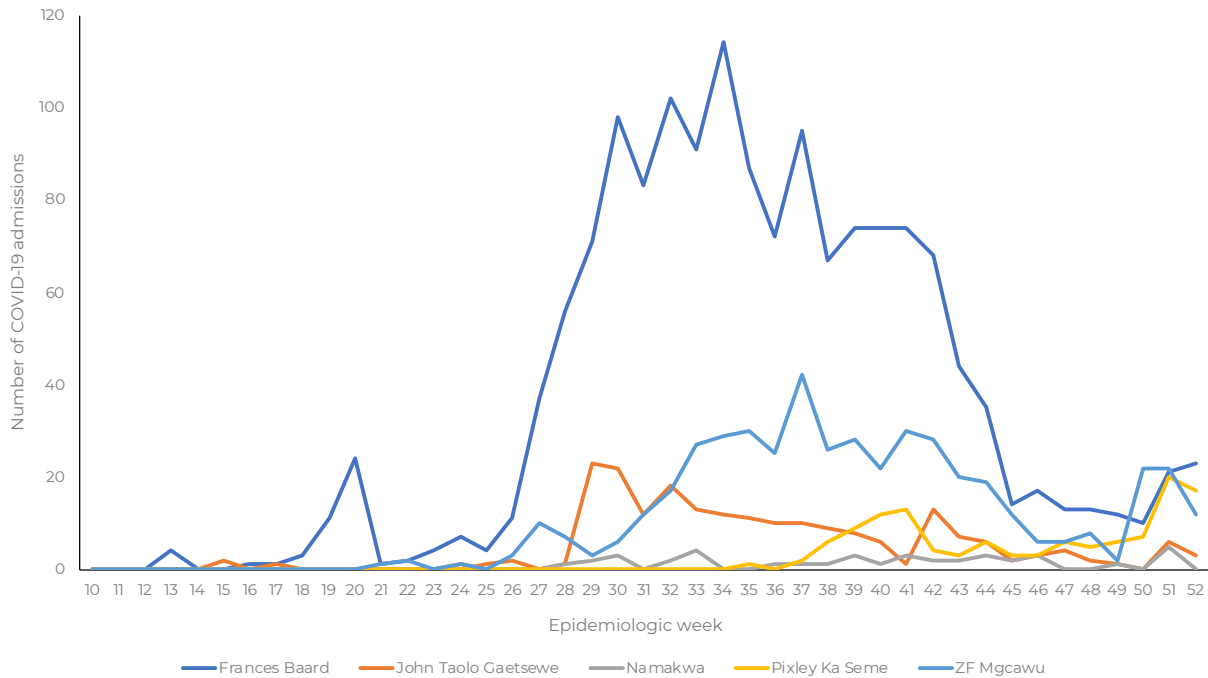


Figure 30: Number of reported COVID-19 admissions, by district and epidemiologic week, Northern Cape, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

The number of COVID-19 admissions increased in one of five districts from week 51 to week 52, Frances Baard. The highest proportion of new admissions were in Frances Baard and Pixley Ka Seme districts (Table 12).

Table 12: Percentage change in COVID-19 admissions and deaths, epidemiologic week 51 to week 52, by district, Northern Cape

District	Cumulative hospital admissions	Admissions Week 51	Admissions Week 52	Percentage change in admissions	Percentage of total new admissions	Incidence risk of new admissions /100 000 persons
Frances Baard	1538	21	23	10	41,8	10,1
John Taolo Gaetsewe	209	6	3	-50	5,5	2,0
Namakwa	41	5	0	-100	0,0	0,0
Pixley Ka Seme	123	20	17	-15	30,9	14,7
ZF Mgcawu	478	22	12	-45	21,8	7,8

There have been small increases in deaths in three districts, ZF Mgcawu, Pixley Ka Seme and John Taolo Gaetsewe, but low numbers make it difficult to comment on trends (Figure 31).

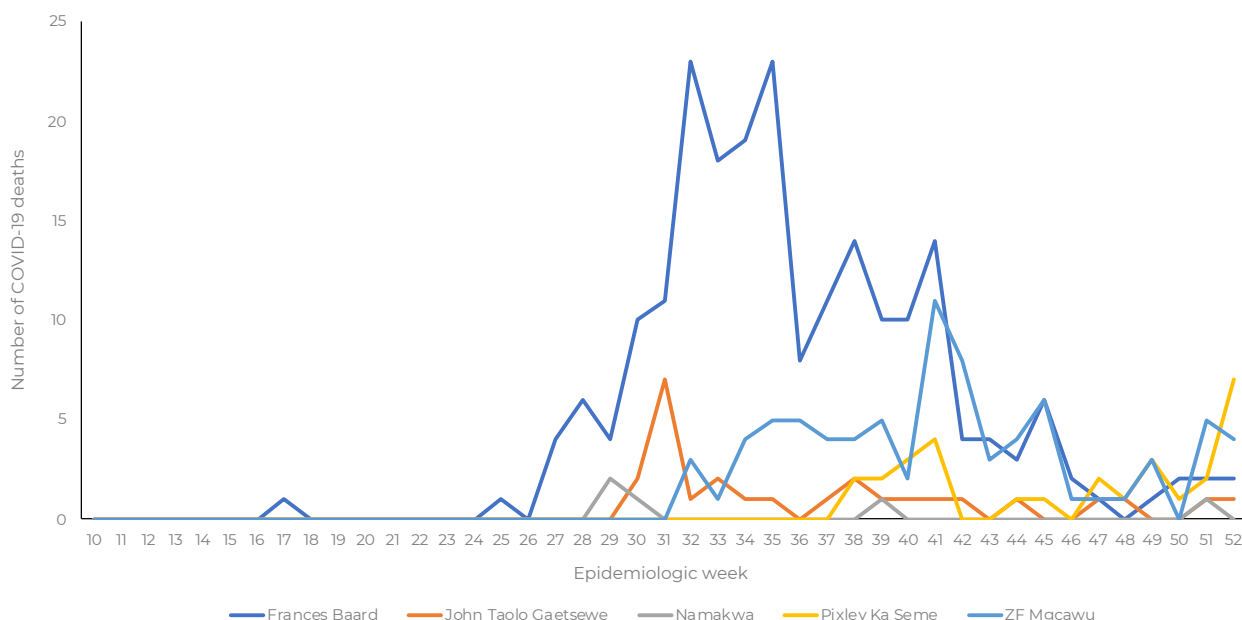


Figure 31: Number of reported COVID-19 deaths, by district and epidemiologic week, Northern Cape, 5 March-26 December 2020

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

LIMITATIONS

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 are in the process of recruiting data capturers to support hospitals to improve data submission.

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.

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

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)

COVID-19 SENTINEL HOSPITAL SURVEILLANCE UPDATE

WEEK 52 2020

APPENDIX

Table 13: Number of reported COVID-19 admissions and deaths by age and gender, South Africa, 5 March-26 December 2020

Age (years)	ADMISSIONS				DEATHS			
	Female	Male	Unknown	Total	Female	Male	Unknown	Total
0-4	844	1045	3	1892	26	26	1	53
5-9	243	317	0	560	4	7	0	11
10-14	444	395	0	839	7	10	0	17
15-19	1361	735	2	2098	28	30	0	58
20-24	2255	1156	2	3413	58	49	0	107
25-29	4124	1906	2	6032	148	88	1	237
30-34	5682	3223	0	8905	276	192	0	468
35-39	6292	4276	0	10568	385	351	0	736
40-44	6094	5078	1	11173	484	530	0	1014
45-49	6851	6016	3	12870	719	780	1	1500
50-54	7834	6779	0	14613	1036	1057	0	2093
55-59	8091	6996	4	15091	1433	1476	0	2909
60-64	6857	6260	3	13120	1569	1754	0	3323
65-69	5348	4809	2	10159	1532	1547	0	3079
70-74	4208	3833	4	8045	1249	1325	1	2575
75-79	3043	2615	0	5658	1013	1019	0	2032
80-84	2236	1571	2	3809	776	627	0	1403
85-89	1281	777	0	2058	485	360	0	845
90-94	562	306	1	869	248	163	0	411
>95	198	125	0	323	75	39	0	114
Unknown	805	678	101	1584	113	121	4	238
	74653	58896	130	133679	11664	11551	8	23223