

Daily Epidemiological Report for SARS-Cov-2

Report No. 376

Date Issued 14 Apr. 2021 @21h00

1. PURPOSE

The report provides a descriptive analysis of SARS-Cov-2 related cases and deaths, and hospitalizations in the Eastern Cape Province, as of 14 Apr. 2021.

2. HIGHLIGHTS

2.1. New cases, active cases and recoveries

- The incidence of SARS-Cov-2 has increased beyond 5 cases per 100,000 populations for BC Metro and NM Metro. This is attributed to an increase in the number of new infections especially after the Easter Season.
- In the last 24 hours, 29 new cases were reported, where 16 (55.2%) were from the Nelson Mandela Metro, followed by 3(10.3%) from Buffalo City Metro and Joe Gqabi, with Alfred Nzo, Amathole and OR Tambo each reporting 1 new case.
- Of the 270 active cases, 178 cases (66%) were from NM Metro and Buffalo City Metro, 24 cases (8.9%) from Sarah Baartman, and 8.9% from Amathole, Chris Hani and Joe Gqabi, OR Tambo districts.
- The overall provincial recovery rate was 94%. All the districts reported a recovery rate greater than 90%.

2.2. SARS-Cov-2 related deaths

- In the last 24 hours, 14 new deaths were reported. One death was reported to have occurred in the past 48 hours. The number of new deaths has significantly decreased from March until to date.
- The case fatality rate was 5.8%; 6.3% reported among males and 5.5% among females.

2.3. Hospitalizations and outcomes

- The cumulative number of SARS-Cov-2 hospitalizations is 31,628. Of the reported hospitalizations, 22,181 (70.1%) occurred in the public sector and 9,447 (29.9%) occurred in private sector health facilities.
- Of all the hospitalized cases, 64.8% (20,484) of hospitalized patients were discharged alive and 65.4% (13,400) of the reported discharges were from the public sector. Thirty percent (29.8%) of hospitalized cases, i.e. 9,431 demised due to SARS-Cov-2 related causes with 75.8% (7,154) of those reported deaths occurring in public sector facilities.
- Of the 75 currently admitted, 57 (80%) were admitted in the general ward, 14 (18.6%) in ICU and 4 (1.3%) in high care. A total of 8 (13.3%) patients hospitalized were on oxygen and 3 (4%) were on ventilation.

2.4 Healthcare workers

- An updated number of healthcare workers who tested positive for SARS-Cov-2 was **11,941** and **307** demised (the case fatality rate was 2.6%).
- Nurses were the most affected, followed by doctors and clinical associates. Five districts have reported zero increase in the number of cases.

2.5 Conclusion

After the Easter Season, there is an increase in the number of new and active cases especially in BC Metro and NM Metro. In the past 7 days, there was more than a 18,2% increase in the incidence of SARS-Cov-2, with notable increase in BC Metro and NM Metro.

Four interventions need to be implemented to minimize the chances for a resurgence include the following;

- Effective contact tracing and monitoring of cases and contacts of the index cases.
- Ensure all cases and contacts are isolated and quarantined respectively.
- Health education, which seeks to empower communities to protect themselves and their families, including their communities. This must also promote health-seeking behaviours and reporting of non-compliance to the regulations in the communities.
- Promote the use of non-pharmaceutical preventive measures. This includes the use of masks, social distancing and sanitization of hands.

3. SARS-Cov-2 CASES & DEATHS

3.1. Summary of all cases and deaths

The newly reported SARS-Cov-2 cases were 29 and 14 deaths, of which one occurred within the past 48 hours, and 13 were newly reported. The cumulative number of cases and deaths were **195,738** and **11,410** respectively.

	No. of cases	Transfers	New Cases	Total	%	Deaths	New Deaths		Total	CFR (%)
							*Newly Reported	**Newly occurred		
Male	77415		9	77424	39.6	4864	3	0	4867	6.3
Female	118273	2	20	118295	60.4	6527	6	1	6534	5.5
Unknown	19		0	19	0.0	5	4		9	47.4
Total	195707	2	29	195738	100.0	11396	13	1	11410	5.8

* Deaths which occurred more than 48 hours ago ** Deaths which occurred within the last 48 hours of reporting

Six percent (5.8%) of the cases demised, and 6.3% were males and 5.5% were females.

District	Cases	Transfers	New Cases	Total Confirmed	Recoveries	Deaths	New Deaths		Total Deaths	CFR (%)	Recovery Rate	Active Cases
							*Newly Reported	**Newly occurred				
Alfred Nzo	8012		1	8013	7564	445	3	0	448	5.6	94.4	1
Amathole	19379	1	1	19381	18261	1107	0	0	1107	5.7	94.2	13
BC Metro	39018		3	39021	36604	2354	0	0	2354	6.0	93.8	63
Chris Hanani	19590		0	19590	18042	1542	2	0	1544	7.9	92.1	4
Joe Gqabi	7546	1	3	7550	7127	413	7	0	420	5.6	94.4	3
NM Metro	56109		16	56125	52689	3319	1	1	3321	5.9	93.9	115
OR Tambo	22461		1	22462	21089	1369	0	0	1369	6.1	93.9	4
S Bantamane	21819		4	21823	20952	847	0	0	847	3.9	96.0	24
Imported	646		0	646	632	0	0	0	0	0.0	97.8	14
Unspecified	1127		0	1127	1098	0	0	0	0	0.0	97.4	29
E. Cape	195707	2	29	195738	184058	11396	13	1	11410	5.8	94.0	270

* Deaths that occurred more than 48 hours ** Deaths which occurred within the past 48 hours of reporting

A total of 29 new cases were reported in the last 24 hours, with additional 2 cases transferred in from Free State Province. Of the 29 new cases, 16 (55.2%) were from the Nelson Mandela Metro, followed by 4 (13.8%) from Sarah Bantamane, 3 (10.3%) from Buffalo City Metro and Joe Gqabi, with Alfred Nzo, Amathole and OR Tambo each reporting 1 new case. Of the 270 active cases, 42.6% were from NM Metro, 23.3% from Buffalo City Metro, 8.9% from Sarah Bantamane, 4.8% from Amathole, 1.5% from Chris Hanani, 1.5% from OR Tambo and 1.1% from Joe Gqabi.

The overall provincial recovery rate was 94%. All the districts reported a recovery rate greater than 90%.

3.2. Newly diagnosed cases

The figure below provides the number of newly reported SARS-Cov-2 cases.

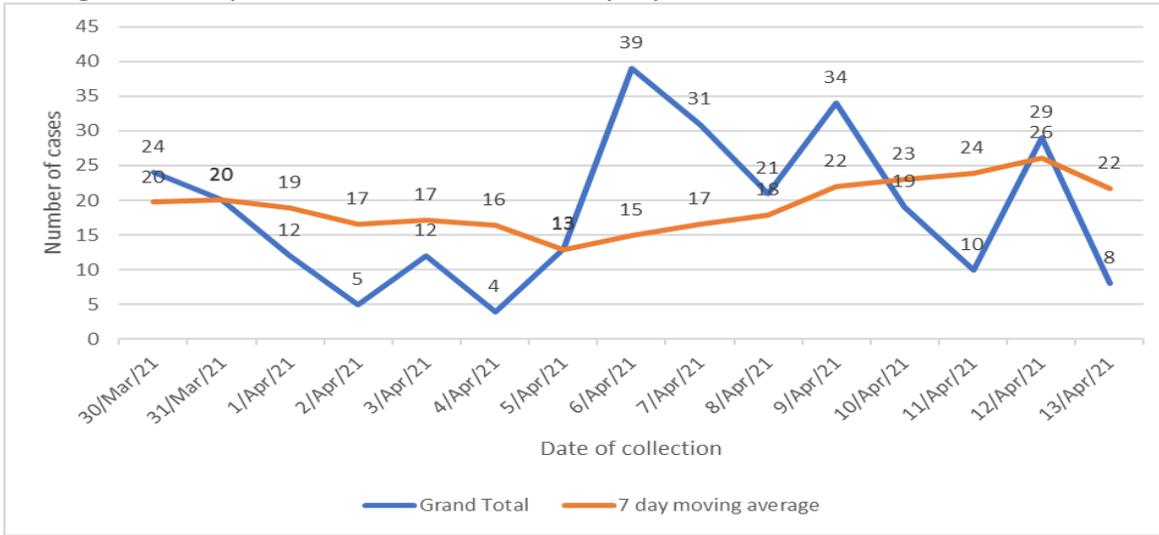


Fig. 1. Daily SARS-Cov-2 cases & 7-day moving average by date of collection, as of 14 April 2021

The number of new cases has increased from an average of 13 cases on the 5th to 20 cases per day (using the date of collection) on the 11th of April.

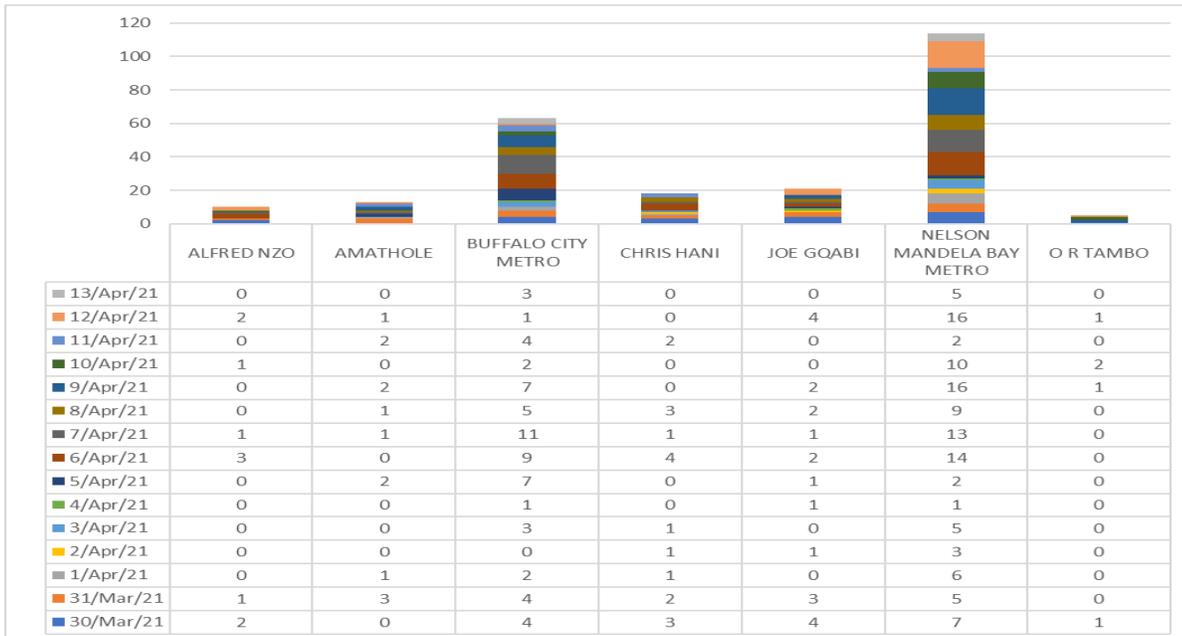


Fig. 2. Daily SARS-Cov-2 cases by district and date of collection, as of 14 April 2021

The highest number of newly reported cases were from Buffalo City and Nelson Mandela Metro. There is a need to eliminate SARS-Cov-2 transmission in the two metros to eliminate it in the neighboring districts.

4. SARS-Cov-2 LAB TESTS & RESULTS

4.1. Test Results by Laboratory

In the last 24 hours, 1802 new tests were reported, which brings the number to 929,588 where 61.6% were reported by the public labs and 38.4% reported by the private labs.

Table 3. Number of tests for Private and Public by Laboratories, as of 14 April 2021

	Private	Public	Total	Percentage (%)
Alfred Nzo	4556	28600	33,156	3.6
Amathole	9821	71968	81,789	8.8
BC Metro	62909	98069	160,978	17.3
Chris Hani	13141	57105	70,246	7.6
Joe Gqabi	1281	27274	28,555	3.1
NMB Metro	93335	136035	229,370	24.7
OR Tambo	30253	67999	98,252	10.6
Sarah Baartman	18788	85358	104,146	11.2
Unclassified	123096	0	123,096	13.2
Eastern Cape	357180	572408	929,588	100.0

BC Metro and NM Metro accounted for 17.3% and 24.7% of all the tests, respectively. NM Metro contributed 17% of the new tests followed by Sarah Baartman by 5%. Unclassified tests accounted for 65% of the tests reported in the last 24 hours. The two metros need to increase the testing rate in order to identify new cases and avoid provincial resurgence of the infections.

4.2. Antigen Testing

Nine percent (8.6%) of the 95,942 specimens tested positive for SARS-Cov-2.

Table 4. No. of SARS-Cov-2 Tests and results using Antigen Test Method, as of 14 April 2021

	Negative	Positive	Total	Percentage	Positivity Rate (%)
A Nzo	9883	928	10811	11.3	8.6
Amathole	4004	608	4612	4.8	13.2
BC Metro	10298	1616	11914	12.4	13.6
Chris Hani	8254	1159	9413	9.8	12.3
Joe Gqabi	3064	470	3534	3.7	13.3
NM Metro	29331	1809	31140	32.5	5.8
OR Tambo	17022	1351	18373	19.2	7.4
Sarah Baartman	5833	312	6145	6.4	5.1
Total	87689	8253	95942	100.0	8.6

In the past 24 hours, 830 tests were reported, where 287 (34.5%) were from OR Tambo, 248 (30%) from NM Metro, 148 (17.8%) from Alfred Nzo, 36 (4.3%) from BC Metro, 43 (5.2%) from Chris Hani and 38 (4.6%) from Sarah Baartman. The highest positivity rate of 13.6% was observed in BC Metro followed by Joe Gqabi (13.3%), Amathole (13.2%) and Chris Hani (12.3%). The lowest positivity rates of 5.1% and 5.8% were reported in Sarah Baartman and NM Metro respectively.

4.3. Tests by age group and sex

In the last 31 days, the public sector tested 13,119 specimens for SARS-Cov-2.

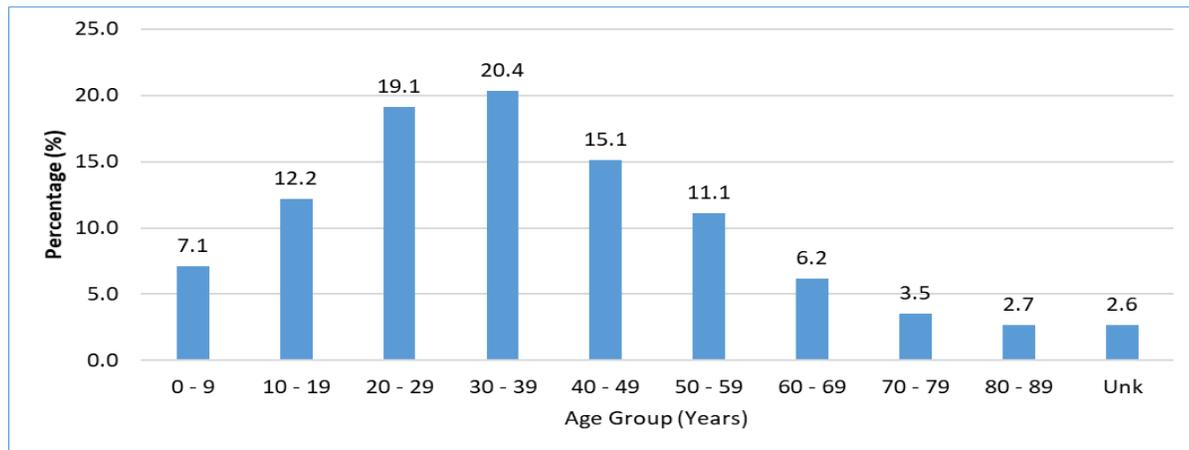


Fig. 3. The number of SARS-Cov-2 tests by age group in the last 31 days, as of 14 April 2021

Sixty-two percent (65.6%) of the tests were among the 20 to 59 years age group. Thirty-six percent (34.4%) of the tests were among the younger and elderly population. Only 2.3% of the tests did not have information on the age of the person who was tested for SARS-Cov-2.

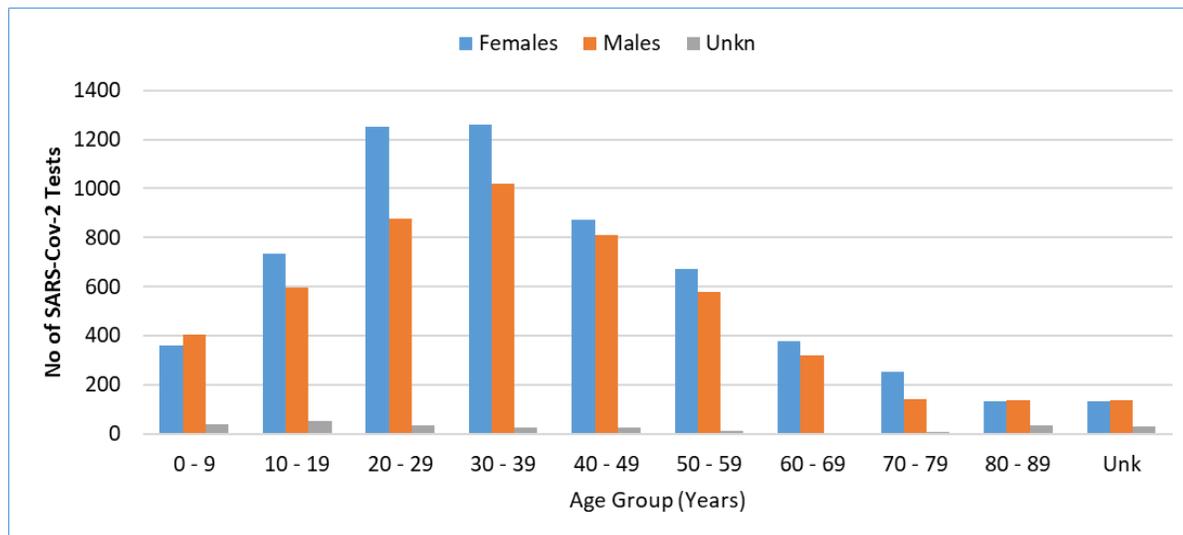


Fig. 4. No. of SARS-Cov-2 public sector tests by age group & gender, as of 14 April 2021

More than half of all the tests (53.3%), which were done in the last 31 days, were predominately among the female population. Only 44.4% of the tests were among the male population and 2% with unknown gender. There were those individuals who were tested for SARS-Cov-2 but did not have information on the age or date of birth.

4.4. Turnaround Time

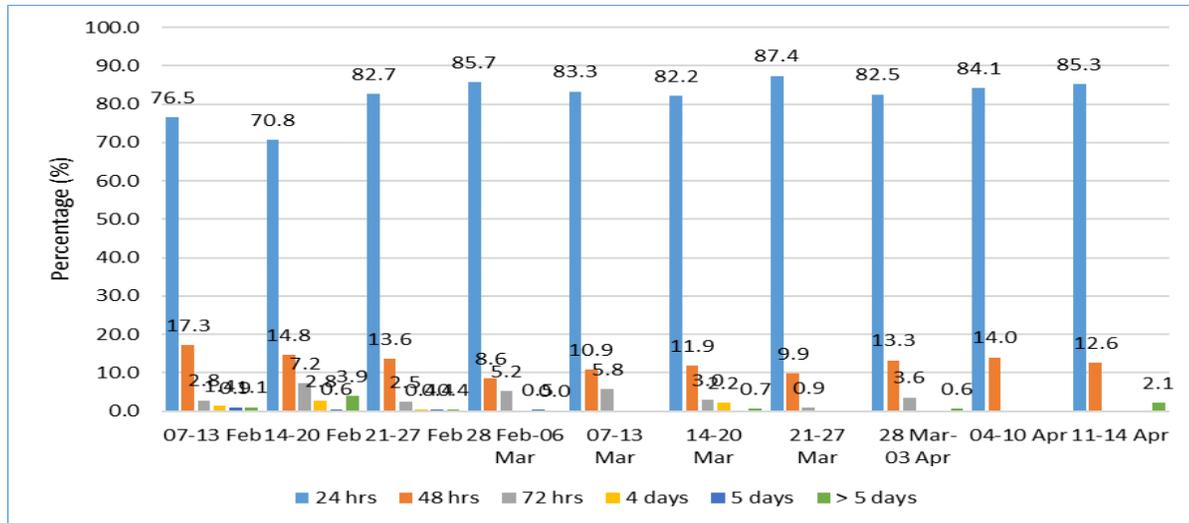


Fig. 5. Turnaround time for SARS-Cov-2 positive results by week as of 14 April 2021

Eighty-five percent (85.3%) of the SARS-Cov-2 results that were available within 24 hours of specimen collection, compared to 84.1% reported in previous week of 4-10 April 2021 i.e. 1.4% increase. Results that were available within 48 hours decreased by 0.2% from 98.1% in the previous week to 97.9% in the current week.

4.5. The 7-day moving average of SARS-Cov-2 tests & positivity rate

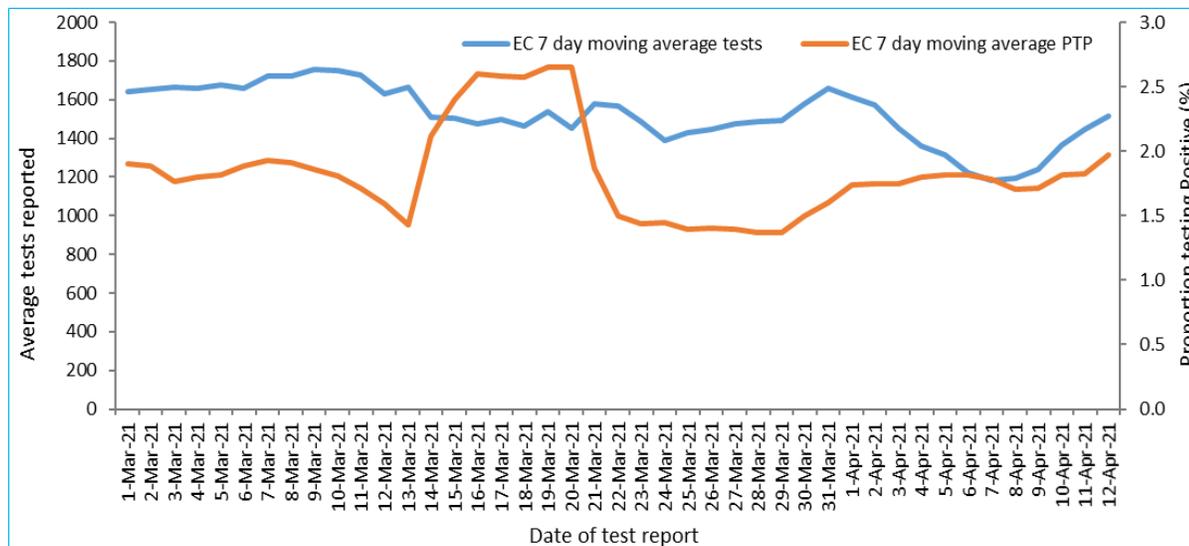


Fig. 6. 7-day moving average for SARS-Cov-2 tests & positivity rate, as of 12 Apr. 2021

In the past 7 days, the number of SARS-Cov-2 tests has increased by 10,1% from 1,225 on the 06th to 1,515 on the 12th of April 2021. However, the positivity rate increased from 1.8% to 2% in the same period.

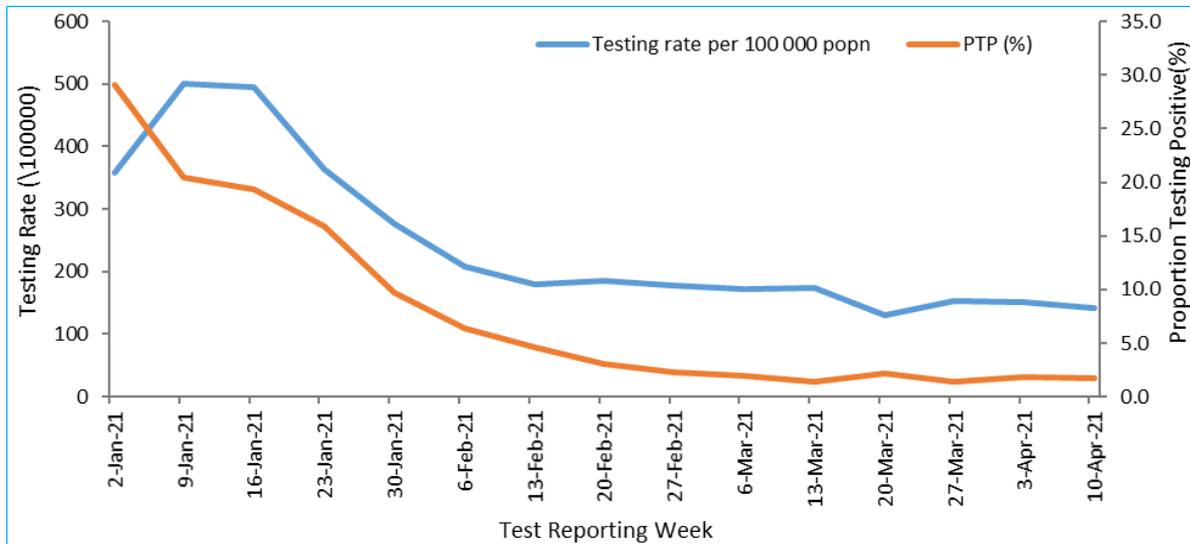


Fig. 7. Testing Rate for SARS-Cov-2 by week for past 9 weeks, as of 12 Apr. 2021

The testing rate for SARS-Cov-2 has decreased by 5,3% from 151 per 100,000 on the 3rd to 143 per 100,000 on the 10th April. The testing rate has remained below 200 tests per 100,000 per week from the 13th of February. There is a need to improve the testing rate to increase the ability of the surveillance system to detect cases.

5. ACTIVE CASES, INCIDENCE & POSITIVITY RATE

5.1. Active SARS-Cov-2 Cases

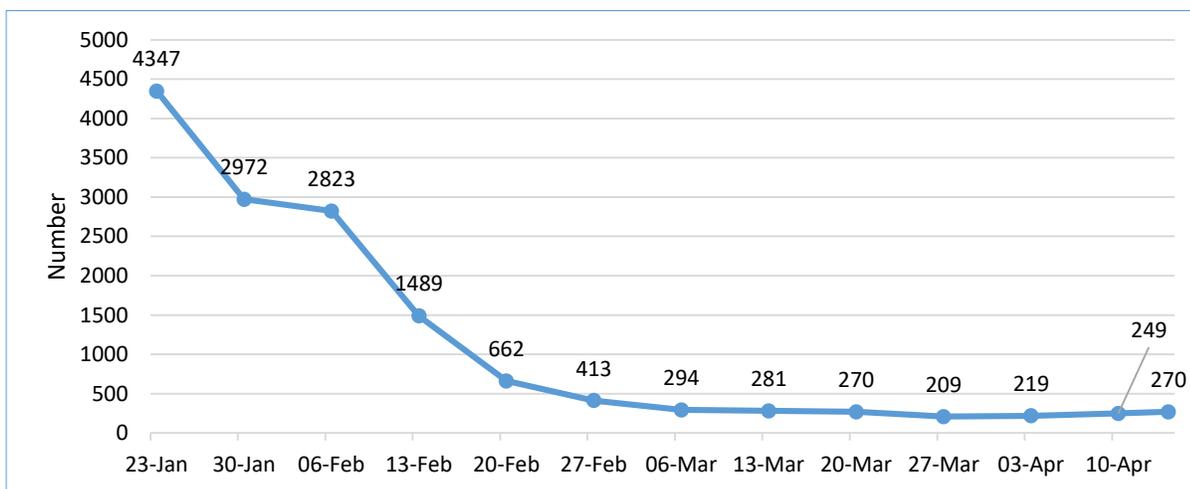


Fig. 8. Number of active SARS-Cov-2 cases by week, as of 14 April 2021

The number of active cases has increased by 13.7% from 219 on the 03rd to 249 on the 10th of April. About 6.7% increase in the number of active cases was observed over the past 24 hours.

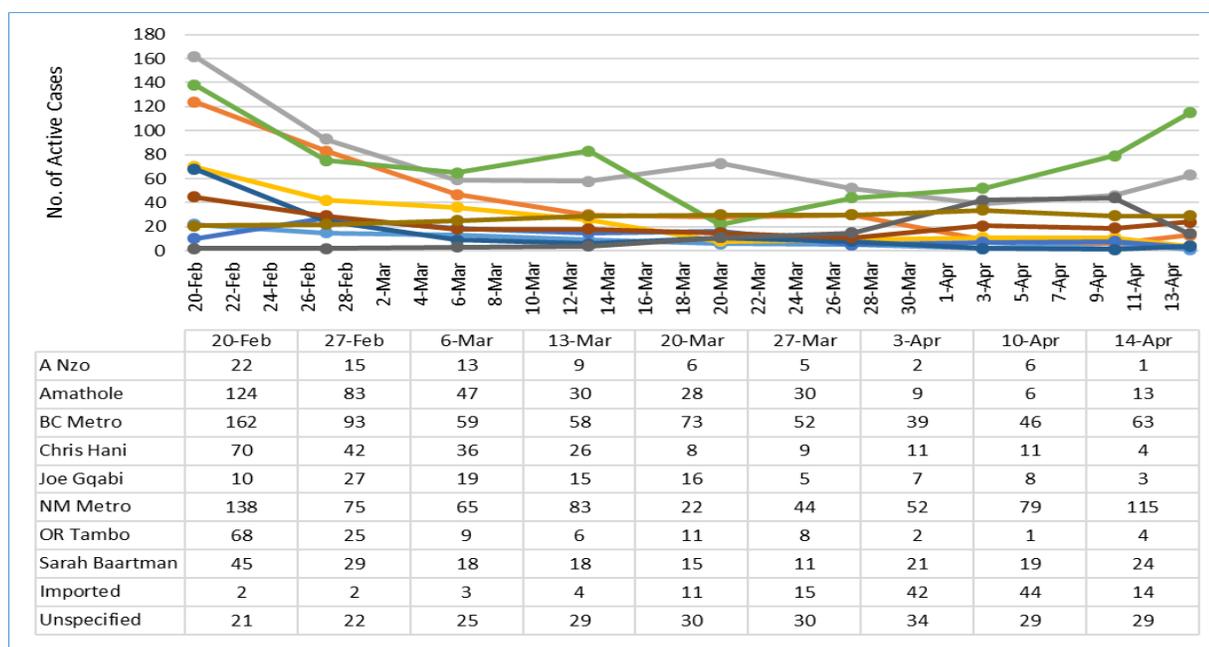


Fig. 9. Number of weekly Active SARS-Cov-2 cases by district, as of 14 April 2021

The number of active cases remains a public health concern especially in BC Metro and NM Metro. Misallocated cases tend to overestimate the number of active cases including the incidence.

5.2. Active SARS-Cov-2 cases and the cumulative positivity rate

District	Population Estimates	Number of Tests	SARS-Cov-2 Cases (ALL)	Active SARS-Cov-2 Cases	SARS-Cov-2 per 100,000 (Active)	Cumulative Positivity Rate
Alfred Nzo	827826	33,156	8013	0	0.0	24.2
Amathole	798067	81,789	19381	13	1.6	23.7
BC Metro	798798	160,978	39021	63	7.9	24.2
Chris Hani	733743	70,246	19590	4	0.5	27.9
Joe Gqabi	343075	28,555	7550	3	0.9	26.4
NM Metro	1210803	229,370	56125	116	9.6	24.5
OR Tambo	1520922	98,252	22462	4	0.3	22.9
S Baartman	480223	104,146	21823	24	5.0	21.0
Imported		0	646	14	0.0	0.0
Unspecified		123,096	1127	29	0.0	0.9
E.Cape	6713457	929,588	195738	270	4.0	21.1

The incidence of active cases was 4 cases per 100,000 population compared to 3.8 cases per 100,000 in the previous day. Both BC Metro and NM Metro reported the incidence of cases, which was above 5 cases per 100,000. Sarah Baartman appears to be following the same path as the metros. Six (6) districts have less than 5 cases per 100,000 populations. The cumulative positivity rate remained 21.1%. All districts have less than a 30% positivity rate.

5.3. Incidence of SARS-Cov-2 cases

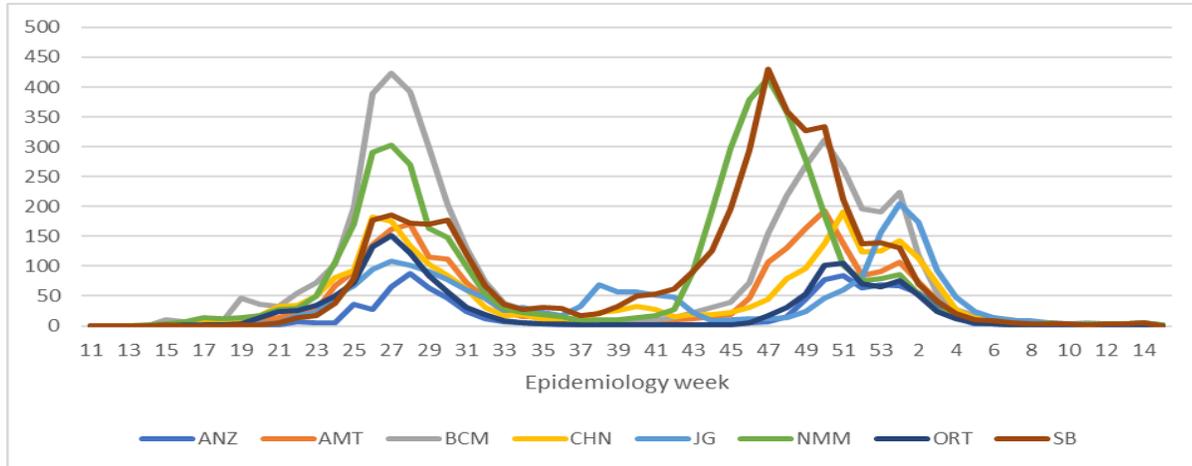


Fig. 10. Incidence of SARS-Cov-2 cases by epidemiological week, as of 14 April 2021

The incidence of SARS-Cov-2 has significantly declined in all districts including the metros between week 3 and week 14.

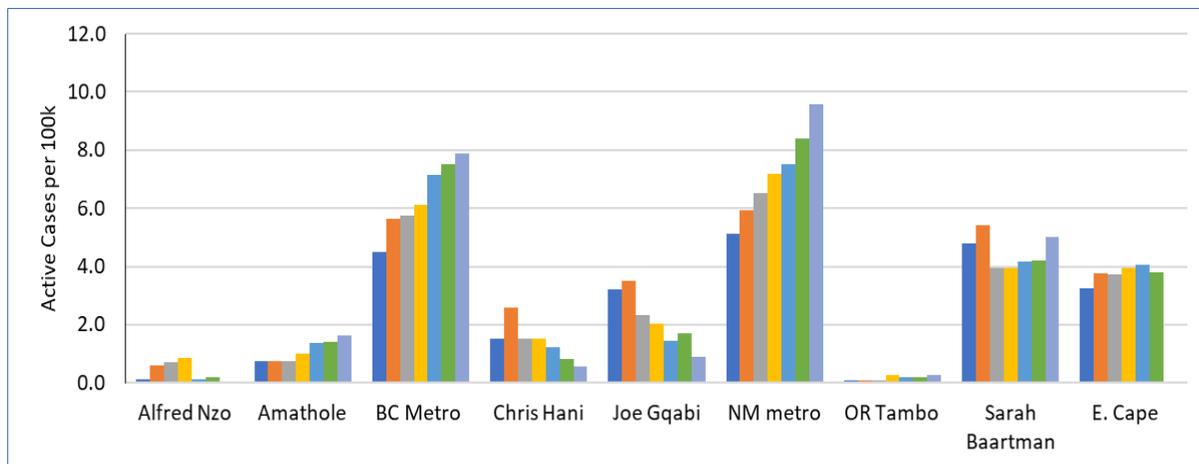


Fig. Active SARS-Cov-2 cases (per 100,000 pop) by district, as of 14 April 2021

In the past 7 days, the incidence of SARS-Cov-2 increased by 25% from 3.2 cases per 100,000 on the 08th to 4 cases per 100,000 on the 14th April 2021. The percentage change was more than 10% and this remains a public health concern. There was a >50% increase in the incidence of SARS-Cov-2 in NM Metro and in BC Metro. Sarah Baartman is more likely to have more than 5 cases per 100,000 if the number of cases continue to increase.

5.4. Recovery Rate (%)

The provincial recovery rate remained above 90% over the past 7 days. The recovery rate for all the districts has not changed for more than 14 days.

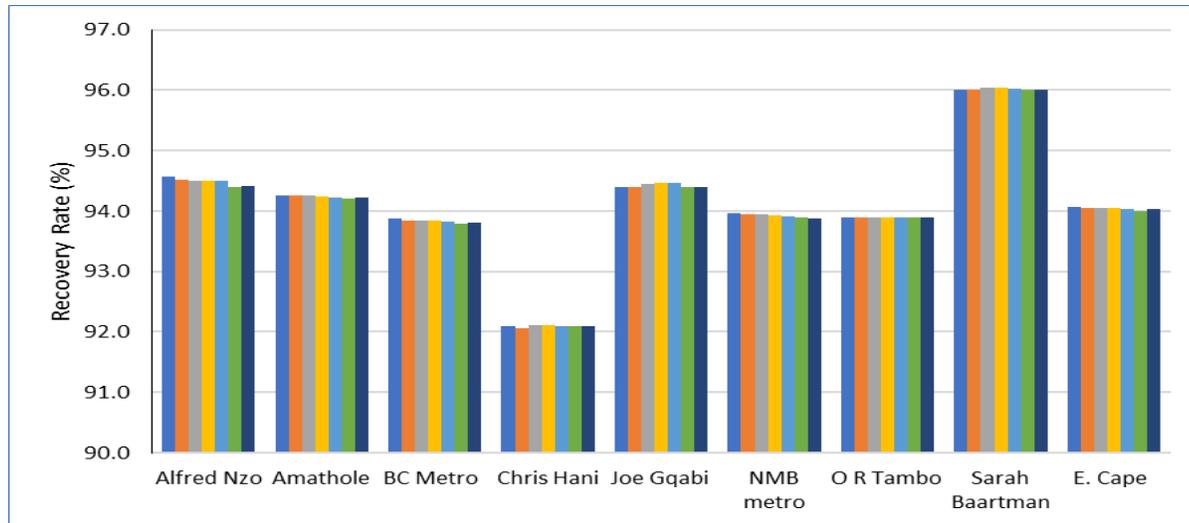


Fig. 12. SARS-Cov-2 Recovery Rate (%) by districts, as of 14 April 2021 (N=184,058)

Ninety-four percent (94%) of the cases recovered and all districts have more than 90% of the cases have recovered. The recovery rate for all the districts has remained unchanged for more than 7 days.

5.5. Mapping of active cases, recoveries and deaths

The map shows the distribution of SARS-Cov-2 active cases, recoveries and deaths.

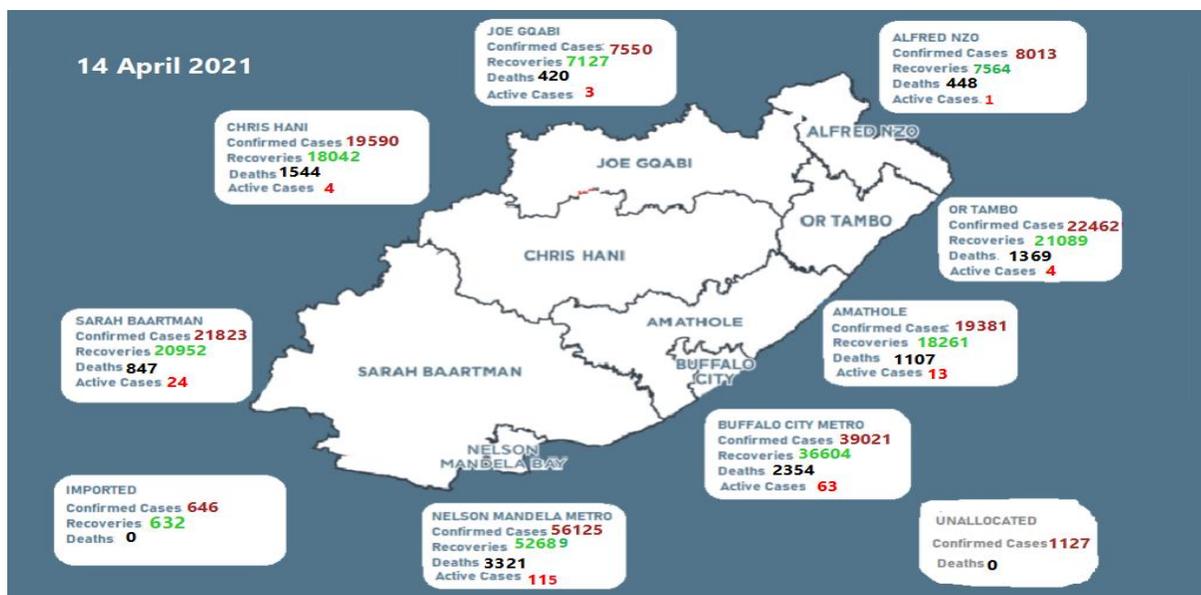


Fig. 13. The number of Covid-19 cases, recoveries and deaths, as of 14 April 2021

6. SARS-COV-2 CASES AND 7-DAY MOVING AVERAGE

Fig. 14 provides the number (including cumulative) of cases and the 7-day moving average.

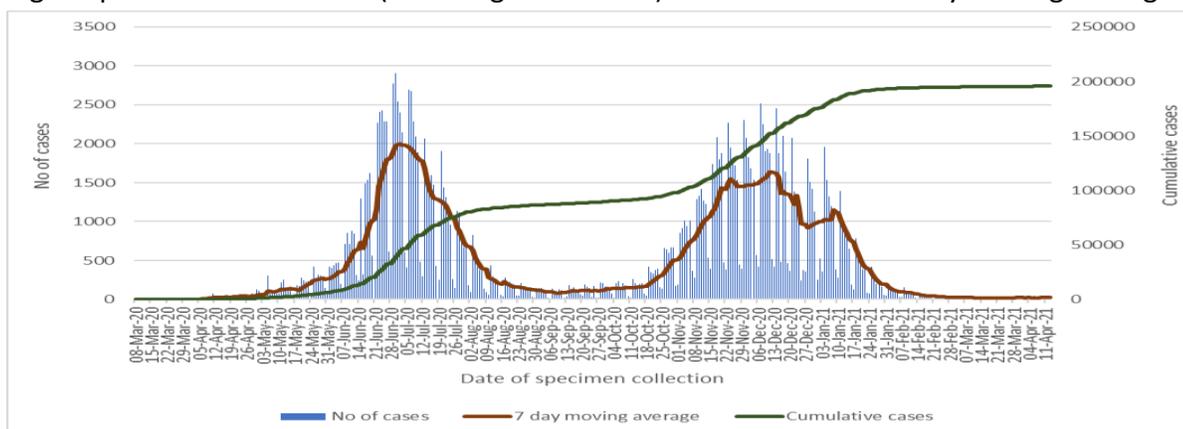


Fig. 14. The 7-day moving average for Covid-19 cases by date of collection, as of 14 April 2021

The number of daily newly diagnosed cases increased from the second half of October and peaked in mid-December, and then decreased until to date. The number of cumulative cases appears to have stabilized (known as flattening of the curve).

7. SARS-Cov-2 RELATED MORTALITY

7.1. SARS-Cov-2 related deaths

The table below provides the number of cases, deaths and mortality rate by the month.

Month	Cases	Deaths	Percent (%)	Case Fatality Rate (%)	Mortality Rate (per 100,000)
Mar-20	13	1	0.0	7.7	0.0
Apr-20	638	35	0.3	5.5	0.5
May-20	3282	285	2.5	8.7	4.2
Jun-20	23793	1036	9.1	4.4	15.4
Jul-20	50291	2035	17.8	4.0	30.3
Aug-20	8295	668	5.9	8.1	10.0
Sep-20	2992	213	1.9	7.1	3.2
Oct-20	8626	287	2.5	3.3	4.3
Nov-20	34232	1710	15.0	5.0	25.5
Dec-20	42757	2776	24.3	6.5	41.3
Jan-21	18167	1911	16.7	10.5	28.5
Feb-21	1705	209	1.8	12.3	3.1
Mar-21	699	77	0.7	11.0	1.1
Apr-21	248	22	0.2	8.9	0.3
Unknown	0	145	1.3	0.0	2.2
Total	195738	11410	100.0	5.8	170.0

Twenty-four percent (24.4%) of the deaths occurred in December, 16.8% in January, 1.8% in February, 0.5% in March, and 0.2% in April. The Case Fatality Rate was 6.5% in December, 10.5% in January, 12.3% in February, 9.2% in March and 8.9% in April. Between November and January, the mortality rate was above 20 per 100,000.

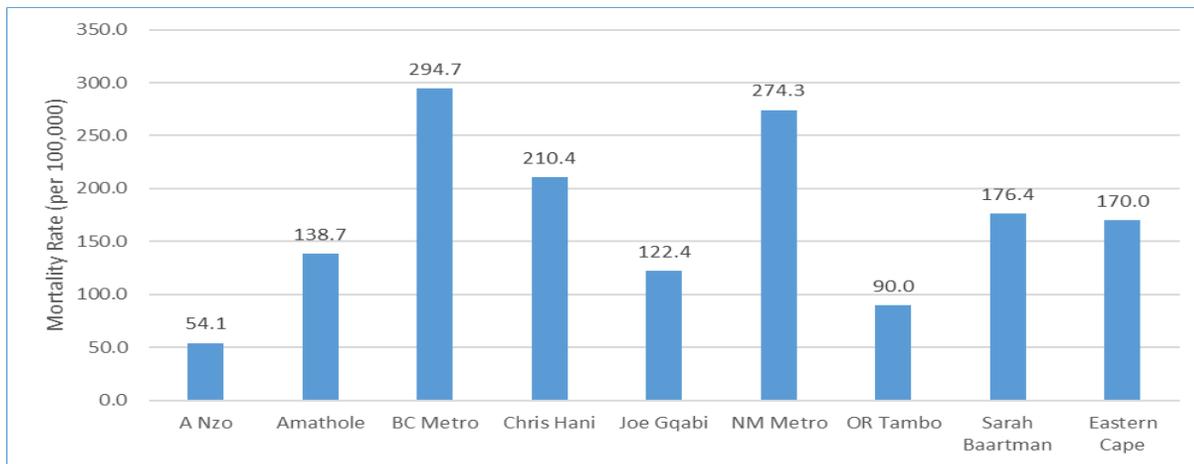


Fig. 15. SARS-Cov-2 related mortality per 100,000 by district, as of 14 April 2021

The EC province mortality rate was 170 deaths per 100,000 populations. BC Metro reported the highest mortality rate at 294.7 per 100,000, followed by NM Metro (274.3 per 100,000), Chris Hani (210.4 per 100,000) and Sarah Baartman (176.4 per 100,000).

7.2. Number of reported SARS-Cov-2 related deaths

The figure below depicts the daily deaths and the cumulative number of deaths.

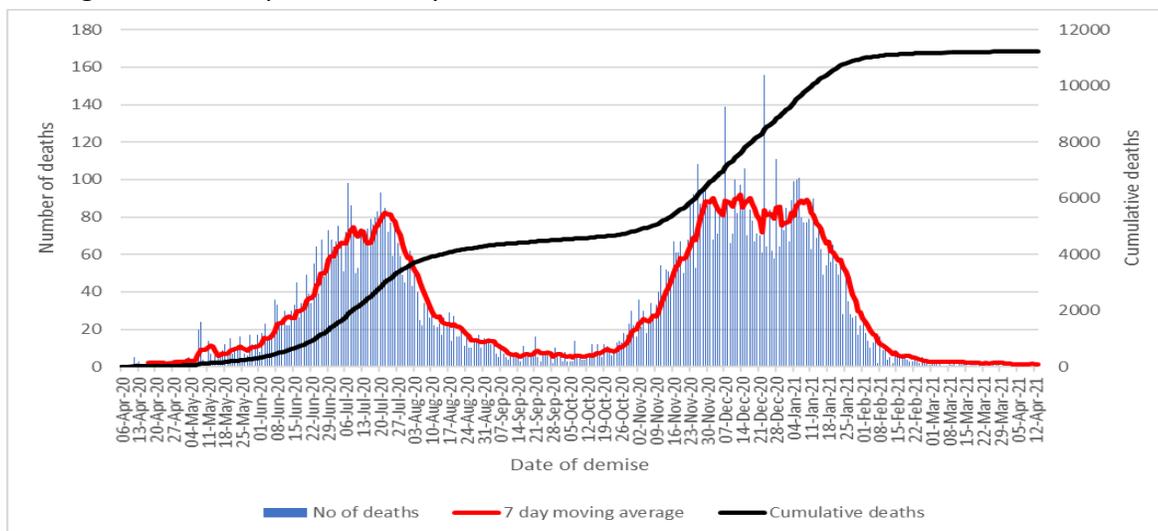


Fig. 16. Daily and cum. SARS-Cov-2 related deaths by date of demise, as of 14 April 2021

The second wave had more deaths and took a longer duration compared to the first wave. The number of deaths continues to decline from the first week of January until to date.

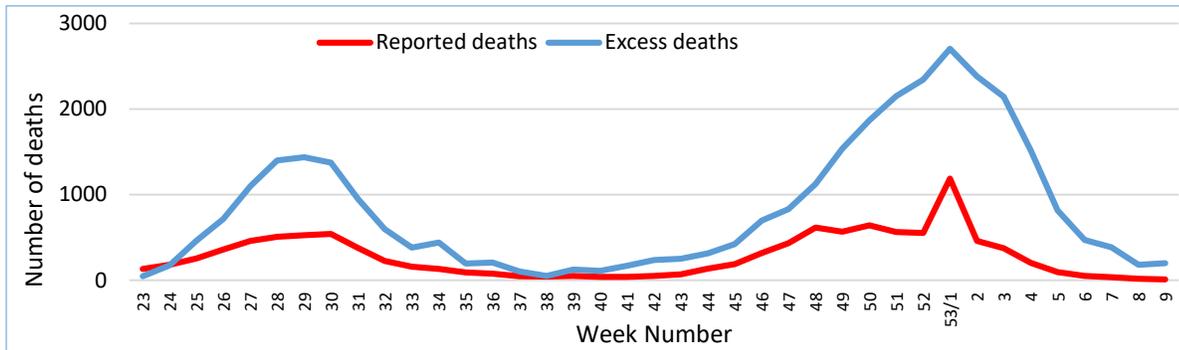


Fig. 17. Excess & SARS-Cov-2 related deaths by week, as on 04th Mar. 2021 (ECDOH, MRC)

The above graph shows the number of excess deaths extracted from the MRC website, and the number of SARS-Cov-2 related deaths as reported by the districts and their facilities. The differences in the number of deaths during the period of low transmission appear to be lower compared to the period of high transmission. In the first and second waves, the number of excess deaths was significantly higher than the number reported in the department.

7.3. Case Fatality Rate by district

Eight percent (7.8%) of the SARS-Cov-2 deaths occurred in Chris Hani, followed by OR Tambo (6.1%), BC Metro (6.0%), NM Metro (5.9%), Amathole (5.7%), Joe Gqabi (5.5%), Alfred Nzo (5.4%) and the lowest being Sarah Baartman by 3.9%.

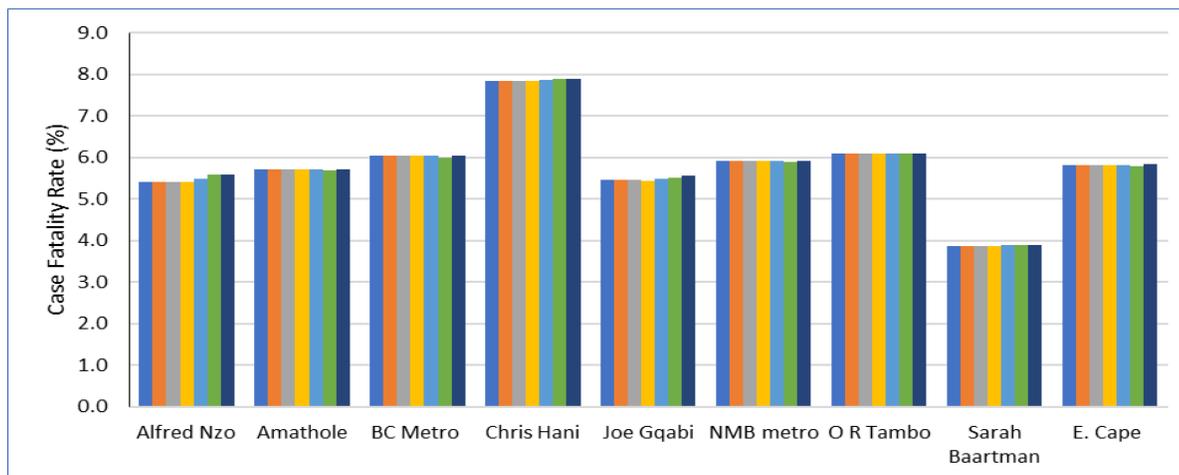


Fig. 18. SARS-Cov-2 Case Fatality Rate (%) by district, as of 14 April 2021 (N=11,410)

There was no increase in the case fatality rate in the past 7 days in all the districts. This may be due to a decrease in the number of deaths reported per day. However, there is a need to ensure that all deaths including the ones that occurred outside the health facility investigate and reported.

7.4. Case Fatality Rate by age group

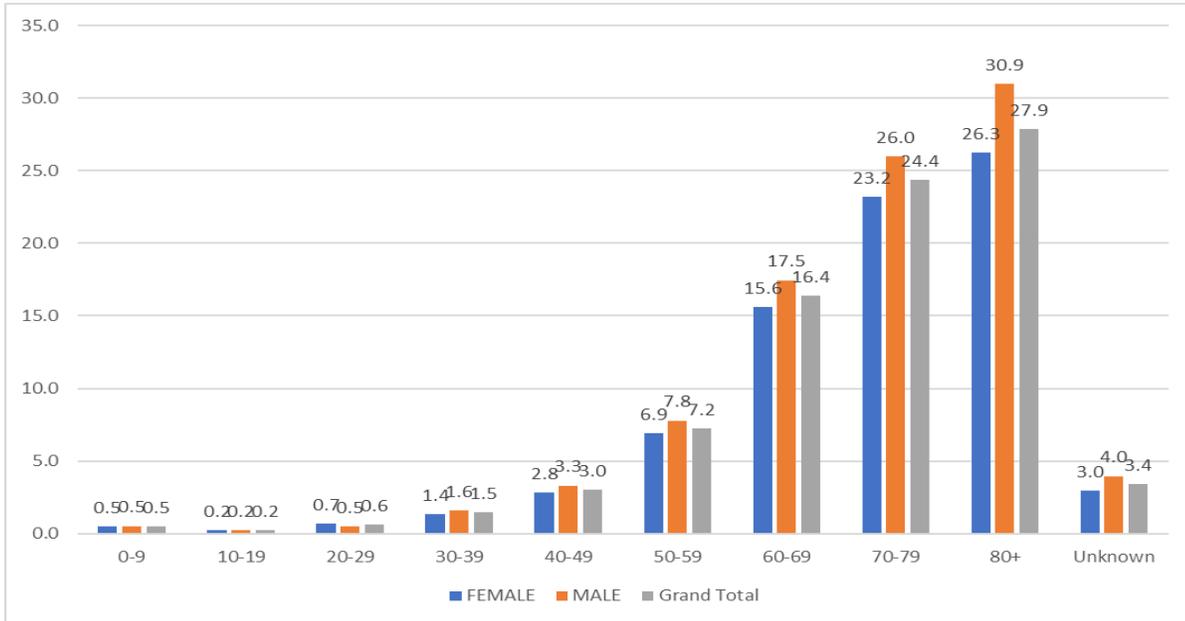


Fig. 19. SARS-Cov-2 related Case Fatality Rate (%) by age group, as of 14 April 2021

The case fatality rate increases with increasing age. The younger population reported a low case fatality rate compared to the older population that had an increased case fatality rate. The male population had a higher case fatality rate compared to the female population.

7.5. Post-mortem testing and results

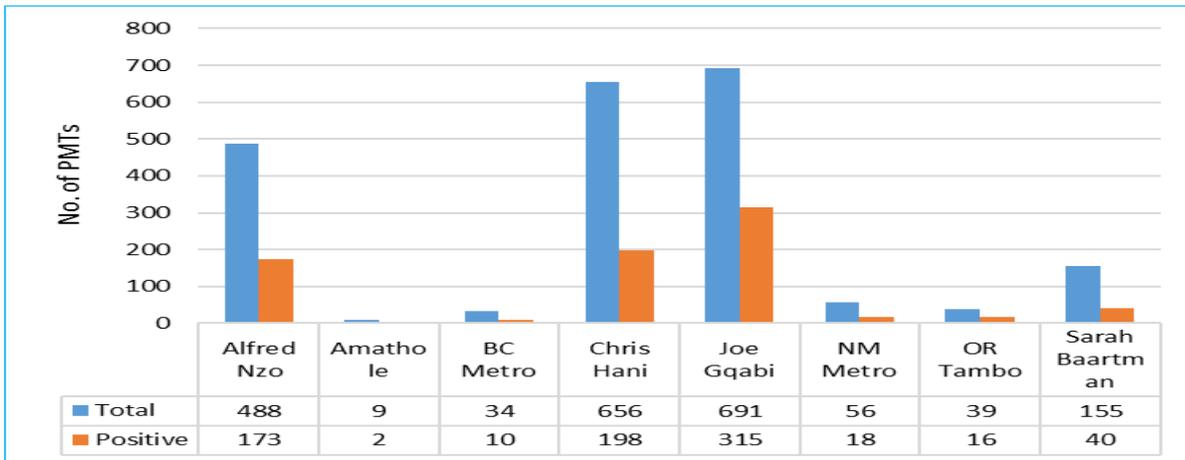


Fig. 20. Post-Mortem Tests & Positive Cases by district, as of 14 Apr. 2021 (PMT=2,128 & Pos=772)

The cumulative number of post-mortem tests (PMTs) was 2,128, where 772 tested positive for SARS-Cov-2. Eighty-six percent (86%), i.e. 1,835 PMTs were from three districts, i.e. Alfred Nzo, Chris Hani and Joe Gqabi. These three districts contributed 686 (88,8%) of the 772 PMTs which tested positive for SARS-Cov-2. Joe Gqabi reported the highest number of PMTs and confirmed cases, followed by Chris Hani and Alfred Nzo.

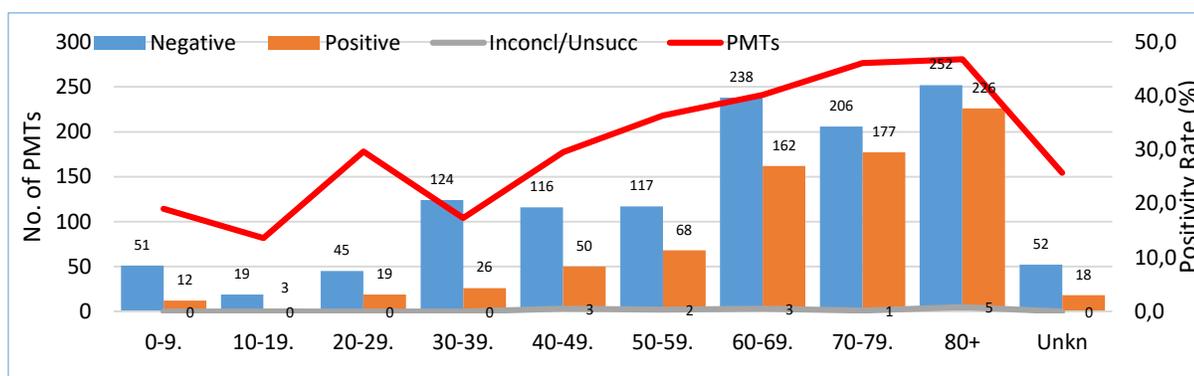


Fig. 21. Number of Post-Mortem Tests and Positive Cases by age group, as of 06 Apr. 2021

The number of PMTs and positive cases appear to increase with the age group of the person who demised. More than 60% of the PMTs and positive cases were among the elderly age group, i.e. 60 years and above.

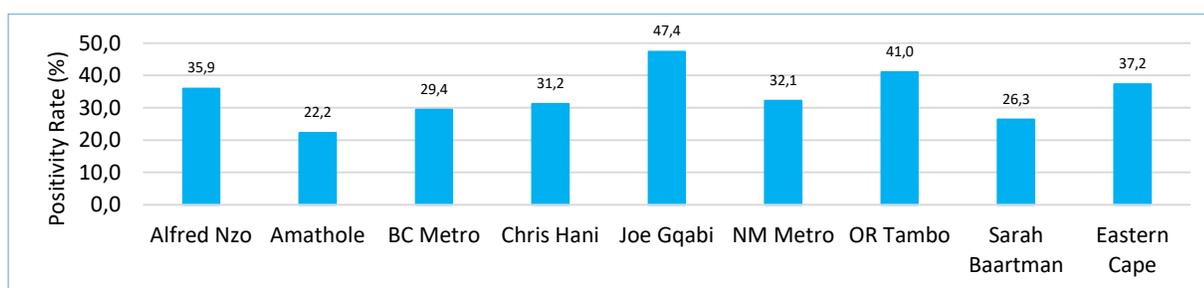


Fig. 22. Post-mortem SARS-Cov-2 positivity rate by district, as of 09 April 2021

Forty-eight percent (47,4%) positivity rate was seen in Joe Gqabi, followed by OR Tambo (41,0%), and Alfred Nzo (35,9%). Amathole reported the lowest positivity rate and the PMTs.

Table 6. Number PMTs and Positive Cases in the past 13 days, as of 9th April 2021						
	28 Mar-03 Apr		4-9 Apr		28 Mar-9 Apr	
	PMTs	Positive	PMTs	Positive	PMTs	Positive
Alfred Nzo	21	3	23	4	44	7
Amathole	0	0	0	0	0	0
BC Metro	1	0			1	0
Chris Hani	27	3	22	0	49	3
Joe Gqabi	21	1	8	1	29	2
NMB metro	0	0	0	0	0	0
OR Tambo	0	0	0	0	0	0
Sarah Baartman	1	0	5	0	6	0
E. Cape	71	7	58	5	129	12

In the past 13 days, the NHLS conducted 129 PMTs and 12 tested positive for SARS-Cov-2. Most of the PMTs were from Alfred Nzo, Chris Hani, and Joe Gqabi. The number of PMTs has decreased by 18,3% from 71 in the previous week to 58 in the current week. The number of confirmed cases has decreased by 28,6% from 7 to 5 during the above-mentioned period.

7.6. Deaths by health facilities

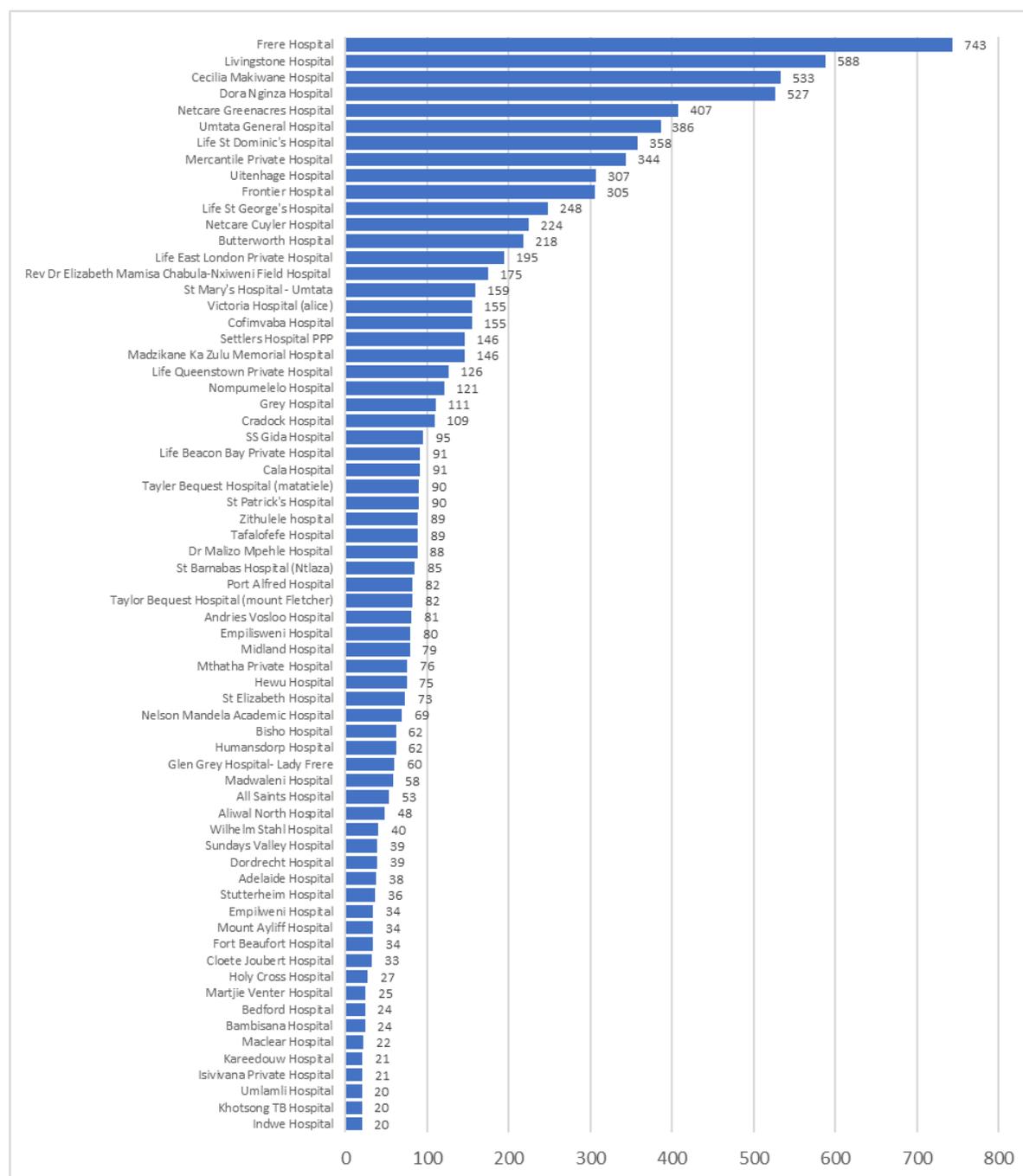


Fig. 23. Number of SARS-Cov-2 related deaths by the facility, as of 14 April 2021

Fifty-five percent (55%) of the deaths occurred in 12 hospitals, i.e. 7 public and 5 private. These are the facilities, which reported more than 200 deaths from the beginning of the pandemic until now. The public hospitals include Frere, Livingstone, CMH, Dora Nginza, Frontier, Uitenhage, and Butterworth hospitals. And the private hospitals include Netcare Greenacres, Life St. Dominics, Mercantile, Life St Georges, and Netcare Cuyler hospitals.

6. HEALTHCARE WORKERS

6.1. Cases and deaths among healthcare workers (HCWs)

As of 13 April 2021, 11,941 HCWs tested positive for SARS-Cov-2 and 307 persons demised.

Five districts submitted zero reporting of healthcare workers who tested positive.

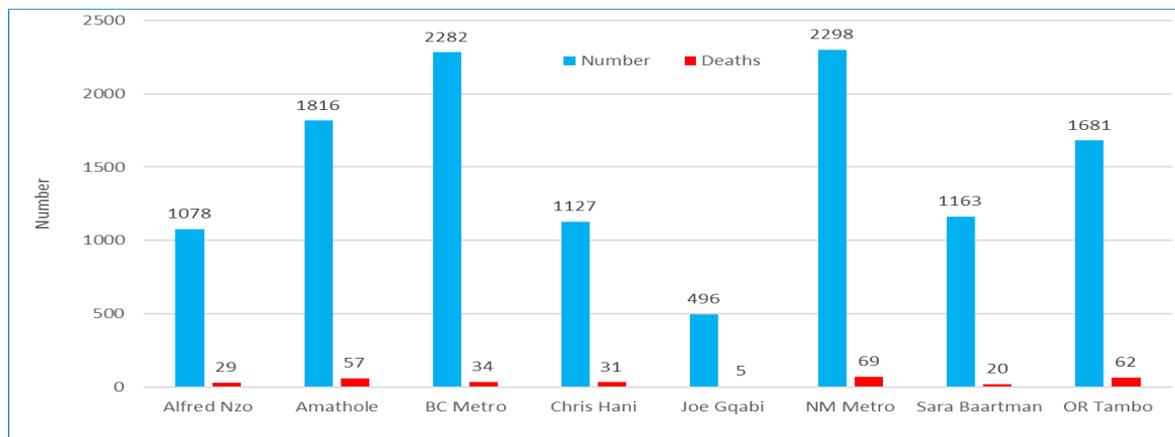


Fig. 24. SARS-Cov-2 positive Healthcare Workers, as of 13 April 2021 (N = 11,941)

Findings from data verification have identified some of the cases which were duplicated and eliminated them. The number of healthcare workers who tested positive for SARS-Cov-2 in Nelson Mandela Metro was 2,298 (69 deaths), Buffalo City Metro 2,282 (34 deaths), Amathole 1,816 (57 deaths), OR Tambo 1,681 (62 deaths), Sarah Baartman 1163 (20 deaths), Chris Hani 1,127 (31 deaths) and Alfred Nzo 1,078 cases (29 deaths). Amathole, A Nzo, Chris Hani, NM Metro, Joe Gqabi and Sarah Baartman has reported zero increase of cases.

6.2. SARS-Cov-2 Cases by job category

The table below provides the number of selected healthcare professionals employed by the State and SARS-Cov-2 cases by job categories, and the positivity rate of that job category.

	Population	Cases	Positivity Rate (%)
Admin	12434	800	6,4
Allied Professionals	3041	233	7,7
Doctors & Clinical Assoc	2369	450	19,0
Nurses	20650	4942	23,9
Emergency Medical Services	2498	286	11,4

The positivity rate among the nurses was 23,9%, followed by doctors and clinical associates (19%), allied professionals (7,7%), EMS (11,4%), and admin personnel (6,4%). The positivity rates among healthcare workers negatively affect patient safety, staff morale and confidence, and the capacity of the State to provide quality health services to the population.

6.3. Admissions of healthcare workers

The analysis of the admissions of the healthcare workers was 1,076 healthcare workers who admitted to the hospitals in the Eastern Cape. The source of the data was DATCOV.

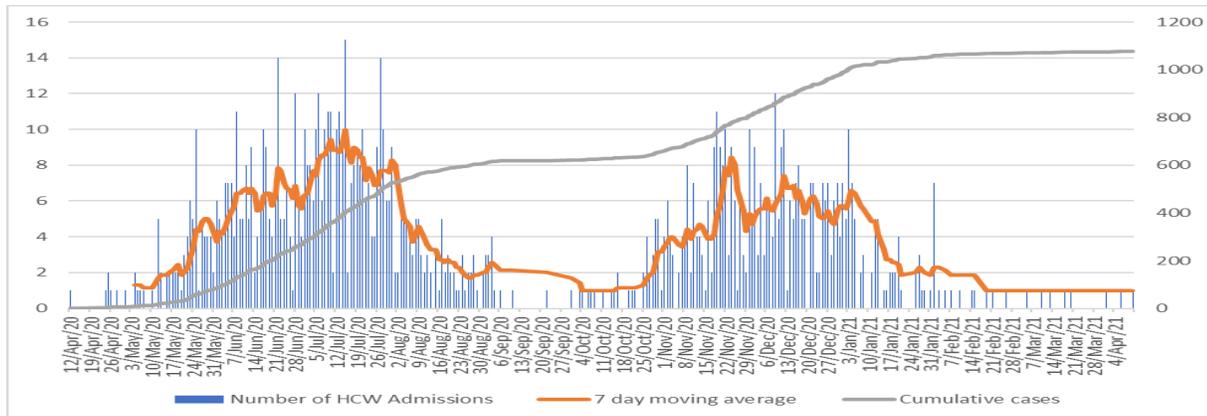


Fig. 25. No. of SARS-Cov-2 related admissions of healthcare workers, as of 14 April 2021

The abovementioned figure shows the number of admissions, 7-day moving average and cumulative cases among healthcare workers. Figure 25 appear to mimic the epi-curve and admissions of the general population in both the first and the second waves. In the past 6 weeks there was a plateau in the number of HCW admissions.

6.4. Case Fatality Rate (%) among HCWs

The figure below provides the cases fatality rate among all healthcare workers.

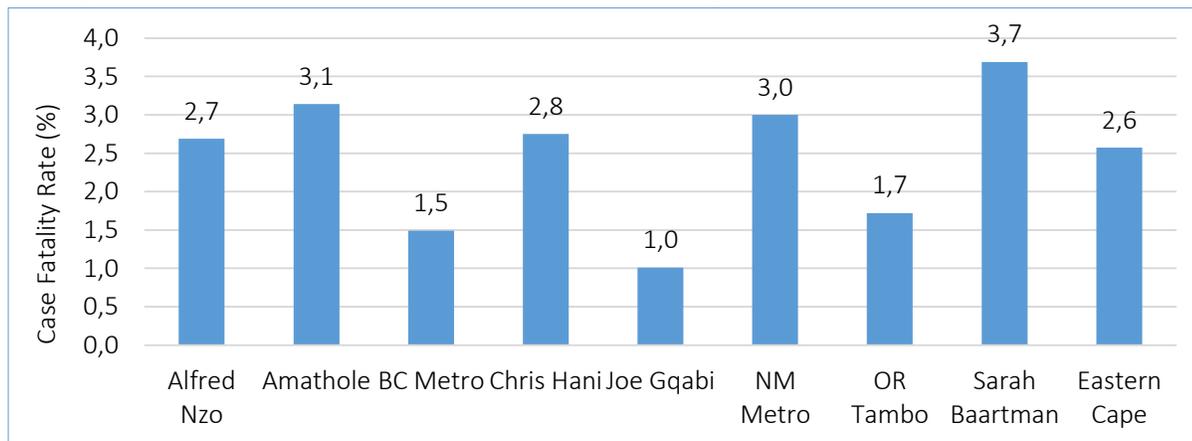


Fig. 26. SARS-Cov-2 Case Fatality Rate (%) among HCWs, as of 08 April 2021 (N=307)

The case fatality rate among healthcare workers was 2.6%. The case fatality rate was 1,0% and above in all the districts. Sarah Baartman reported the highest case fatality rate, followed by Amathole, Nelson Mandela Metro, Chris Hani and Alfred Nzo. The case fatality rate of less than 2% in three districts, i.e. Joe Gqabi, BC Metro and OR Tambo.

7. Hospitalization and outcomes

7.1. Admissions and outcomes

The cumulative number of SARS-Cov-2 hospitalizations is 31,628. Fifty-eight percent (58,4%) of the hospitalizations occurred in the Metros. Chris Hani and OR Tambo reported 10,4% and 10,2% of the hospitalizations, respectively.

District	Public	Private	Grand Total	Percentage
Alfred Nzo	1690	105	1795	5,7
Amathole	2359	0	2359	7,5
Buffalo City Metro	4223	3129	7352	23,2
Chris Hani	2565	739	3304	10,4
Joe Gqabi	708	0	708	2,2
Nelson Mandela Bay Metro	6678	4446	11124	35,2
O R Tambo	2353	890	3243	10,3
Sarah Baartman	1605	138	1743	5,5
EC Province	22181	9447	31628	100

Of the reported hospitalizations, 22,181 (70.1%) occurred in the public sector and 9,447 (29.9%) occurred in private sector health facilities.

Eastern Cape	Public	Private	Total
Cumulative Admissions	22181	9447	31628
Died	7154	2277	9431
Discharged Alive	13400	7084	20484
Transferred Out	1559	35	1594
Currently Admitted	29	46	75
In ICU	1	13	14
In High Care	0	4	4
In General	28	29	57
On Oxygen	6	2	8
Ventilated	0	3	3

Of all the hospitalized cases, 64.8% (20,484) of hospitalized patients were discharged alive and 65.4% (13,400) of the reported discharges were from the public sector. Thirty percent (29.8%) of hospitalized cases, i.e. 9,431 demised due to SARS-Cov-2 related causes with 75.8% (7,154) of those reported deaths occurring in public sector facilities.

Of the 75 currently admitted, 57 (80%) were admitted in the general ward, 14 (18.6%) in ICU and 4 (1.3%) in high care. A total of 8 (13.3%) patients hospitalized were on oxygen and 3 (4%) were on ventilation.

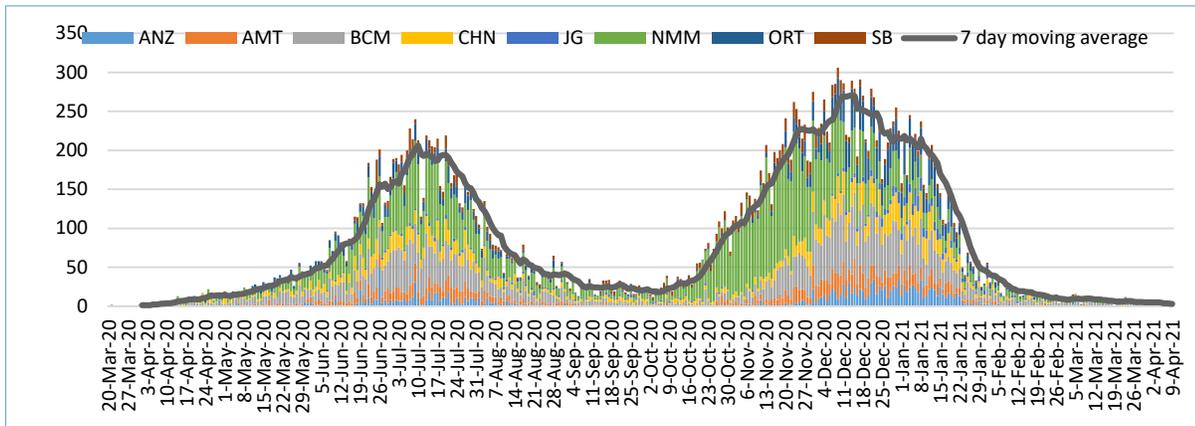


Fig. 27. Average (7 days moving) daily admissions by districts, as of 14 April 2021 (DATCOV)

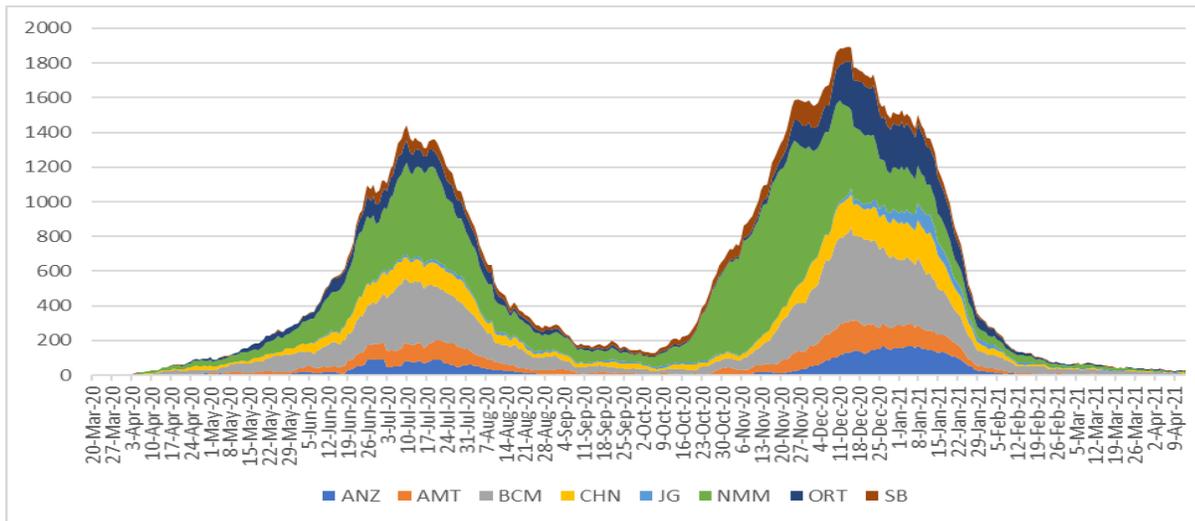


Fig. 28. No. of hospitalizations by date of admission for each district, as of 14 April 2021

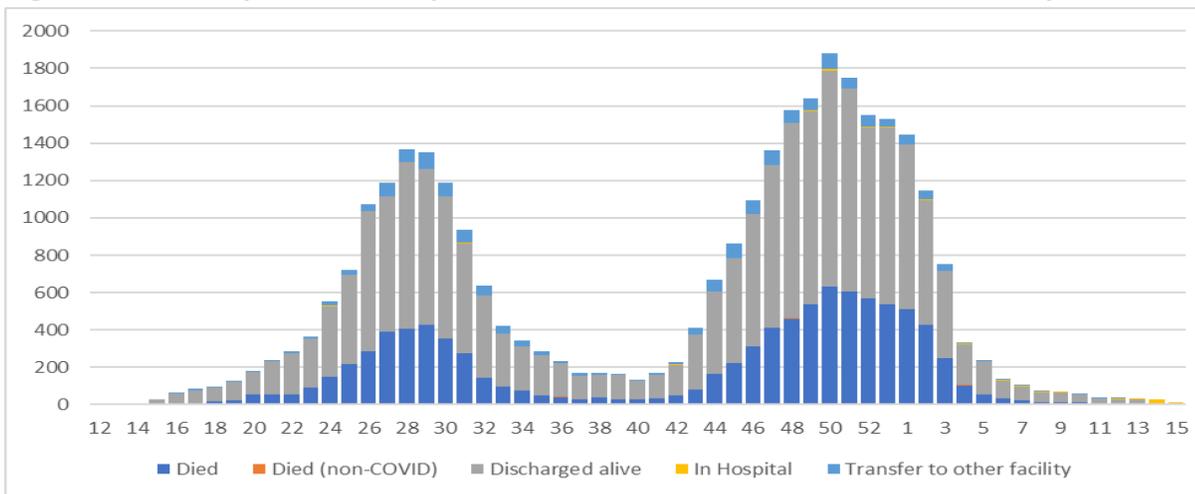


Fig. 29. Hospitalizations & outcomes by admission week, as of 14 April 2021 (DATCOV)

The number of currently hospitalized patients remained high during the last part of the year and started to decline thereafter.

7.2. Co-morbidities among admitted cases and deaths

The most common co-morbidities among the hospitalized SARS-Cov-2 patients were hypertension (39.1%) and diabetes (25.9%) among hospitalized SARS-Cov-2 cases. Two other commonly reported co-morbidities HIV (7.7%), obesity (5.8%) and asthma (3.6%).

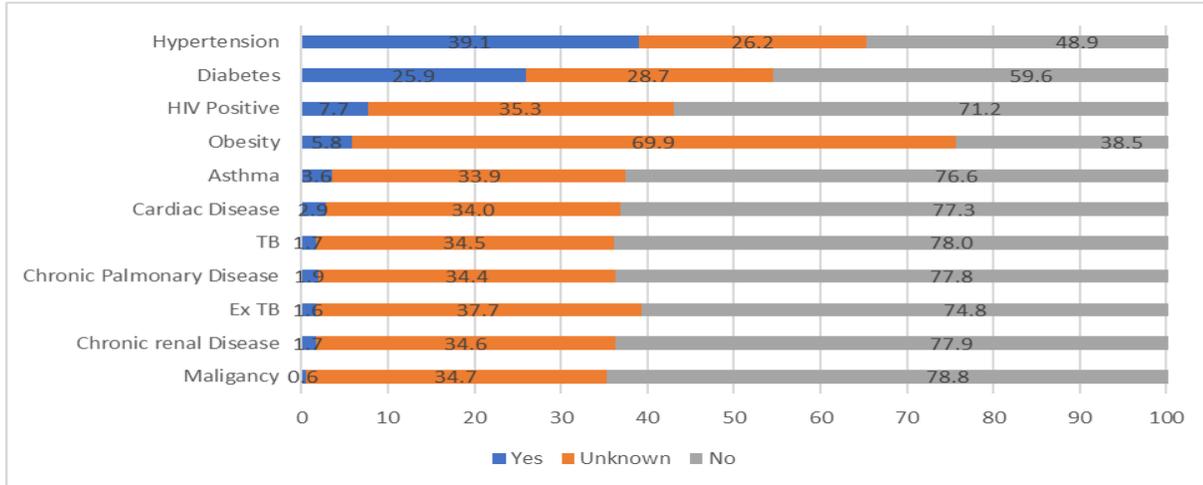


Fig. 30. Co-morbidities among SARS-Cov-2 hospitalizations, as of 14 April 2021 (DATCOV)

A significant percentage of hospitalized patients did not have co-morbidities. This may have resulted in the under-estimation of the burden of co-morbidities among hospitalized cases.

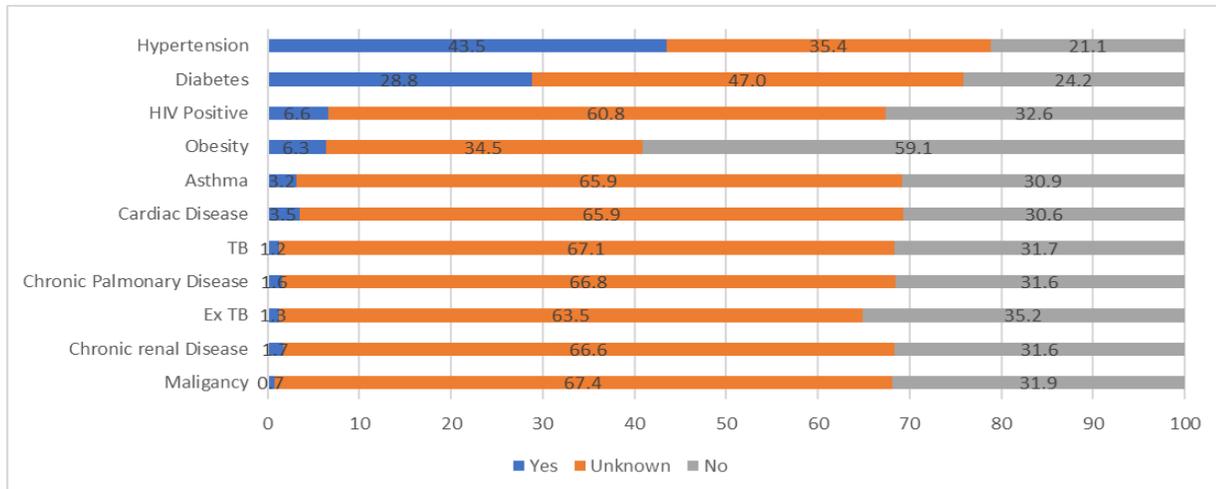


Fig. 31. Co-morbidities among SARS-Cov-2 cases who demised, as of 14 April 2021 (DATCOV)

The most common comorbidities among those cases that demised in the hospital include hypertension (43.5%) and diabetes (28.8%). Other 4 co-morbidities were reported, i.e. HIV (6.6%), obesity (6.3%), asthma (3.2%) and cardiac diseases (3.5%).

8. KEY INTERVENTIONS

There are key issues, which require improvement;

- Strengthen surveillance of SARS-Cov-2 including collection and testing of specimens
- Prioritize contact tracing and monitoring to minimize the spread of the infections
- Isolate positive cases and quarantine contacts to minimize transmission
- Promote the use of prevention measures against SARS-Cov-2, i.e. wearing of masks, social distancing, and frequent handwashing.



COVID-19 SITUATIONAL UPDATE

14 April 2021



3 577 773
No Screened



929 588
Total Lab Tests



195 738
Positive Cases



184 058
Recoveries



11 410
Deaths

DISTRICT	TOTAL SCREENED	TOTAL TESTED	TOTAL CASES	RECOVERIES	DEATHS	ACTIVE CASES	AREAS
ALFRED NZO	694 706	33 156	8 013	7 564	448	1	Badibanise,Bhakubha,Bizana,Brooksnek,Cedarville,Chithwa,Dutyini,Emanxiweni,Ezinteteni,Kokstad,Lucingweni,Maluti, Mandileni , Matatiele,Mount Ayliff, Mount Frere , Ndlantana, Ngcingo , Ntabakhulu, Sugar Bush, Tabankulu
AMATHOLE	658 126	81 789	19 381	18 261	1107	13	Adelaide, Alice, Bolotwa, Butterworth, Cathcart, Centane, Cuba, Debe Nek, Dikana, Elliotdale, Ethafeni, Frankfort, Fort Beaufort, Ibika, Idutywa, Keiskammahoek, Willowale, Lower Mhangcolo,Debe Nek, Mgababa, Nyaniso, Peddie
BUFFALO CITY METRO	210 367	160 978	39 021	36 604	2354	63	Abbottsford, Amalinda , Beacon Bay, Bisho, Braelynn, Buffalo Flats, Dimbaza, Duncan Village, East London, Ginsberg, Gonubie, Greenfields, Haven Hills, King William's Town, Mamata, Mdantsane, Masingata, Mantlani, Nahoon, Ndevana, Needs Camp, Parkside, Selbourne, Sunnyridge, Sunset Bay,Tshatshu, Vincent, West Bank, Zwelitsha
CHRIS HANI	515 346	70 246	19 590	18 042	1544	4	Bankies, Dordrecht, Dukathole, Ekunene, Ezibeleni, Kwanobuhle, Mcwangele, Madeira Park, New Rest, Ngcobo, Ngonyama, Popcorn Valley, Qebe, Qoqodala, Queenstown, Sigadleni, Vaalbank, Sada, Middleburg, Thornhill, Ndzamela, Mlungisi,Westbourne,Ntlonze, Maya Village,Ekuphumuleni, TopTown, Vleipoort, Zola
JOE GQABI	87 855	28 555	7 550	7 127	420	3	Aliwal North, Barkley East, Bhodi, Land Camp, Ugie, Inglewood, Maclear, Solomzi, Sunduza,Robberv, Venterstad
NELSON MANDELA METRO	856 883	229 370	56 125	52 689	3321	115	Algoa Park, Bethelsdorp, Bloemendal, Bluewater Bay, Booyens Park, Cotswold, Cuyler, Daleview, Despatch, Fernglen Port, Gelvandale, Govan Mbeki, Heath Park, Helenvale, Jacksonville, Joe Slovo, Kabega Park, Kamma Park, Kamvelihle, Khayalethu, Kleinskool, Kwa Dwesi, Kwa-Magxaki, Kwanobuhle, Kwanoxolo, KwaZakhele, Lovemore Heights, Missionvale, Motherwell, Mount Croix, New Brighton, Newton Park, North End, Port Elizabeth, Rowallan Park, Salt Lake, Sardinia Bay, Schauderville, Sherwood, Silvertown, Soweto-On-Sea, Steve Tshwete, Summerstrand, Tamboville, Uitenhage, Veeplaas, Walmer, West End, Westering, Zwide, Lorraine, Hillside, Daleview
OR TAMBO	265 613	98 252	22 462	21 089	1369	4	Gomora, Lutatweni, Machibi, Majola, Mandilini, New Payne Ngqeleni, Ntsimbini, Old Payne, Libode, Lusikisiki, Mqanduli, Tombo, Marhewini, Mpikwana,Bhongweni,Cibeni, Flagstaff, Magcakeni,Ngangelizwe, Ngqanda,Tyebelana, Pollar Park, Tabase Mission, Slovo Park, Southernwood, Waterfall Park, Zandukwana,Zimbane, Ziphunzana
SARAH BAARTMAN	288 877	104 146	21 823	20 952	847	24	Aberdeen, Alexandria, Graaf-Reinet, Grahamstown, Jeffrey's Bay, Jourbertina, Humansdorp, Parson, St. Francis Bay, Kirkwood, Lotusville, Bergendal, Bratenfel, Joza, Santaville, Somerset East, Thornhill, Willomore
IMPORTED*	-	0	646	632	0	14	Bloemfontein, Ceres, Cape Town, Dunoon, Fishoek, George, Green Point, Gugulethu, Hout Bay, Langa, Khayelitsha, Knysna, Phillipi, Stellenbosch, Strand
PENDING	-	123 096	1127	1098	0	29	
GRAND TOTALS	3 577 773	929 588	195 738	184 058	11 410	270	

ACKNOWLEDGEMENTS

- a. The epidemiological and surveillance functions continue because of the strong partnership between the following stakeholders;
- b. WHO supported epidemiologists, biostatisticians, and technical support
- c. The National Institute for Communicable Diseases (NICD) provided the province with epidemiologists and technical support
- d. The data analyst from TB/HIV Care has supported data management, mapping of the cases and other functions in the department
- e. Right to Care assists in mapping the cases in different areas in the province
- f. Centre for Disease Control (Atlanta-Pretoria) provided the Department with an epidemiologist and a statistician to support the province
- g. The Department of Health, both the National and Provincial Department of Health repurposed the employees to focus on the control and prevention of the pandemic
- h. Laboratories; National Health Laboratory Services, Pathcare and Ampath for prompt and regular reporting of SARS-Cov-2 newly diagnosed cases.