

## Daily Epidemiological Report for SARS-Cov-2

Report No. 430

Date Issued: 07 June 2021

### 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 07 June 2021.

### 2. HIGHLIGHTS

#### 2.1. New cases, active cases, and recoveries

- In the past 24 hours, 44 new cases and 1 death were reported. Eighty-six percent (86,4%), i.e. 38 of the new cases were from NM Metro, followed by BC Metro (3 cases, 6,8%), Joe Gqabi (2 cases, 4,5%) and OR Tambo (1 case, 2,3%).
- Of the 1,071 active cases, 732 (68,3%) were from NM Metro, followed by BC Metro (111 cases, 10,4%), Sarah Baartman (104 cases, 9,7%), Chris Hani (55 cases, 5,1%), Joe Gqabi (45 cases, 4,2%), Amathole (8 cases, 0,7%), and Alfred Nzo and OR Tambo (13 cases, 1,2%). Three (3) were misallocated to the province from other provinces.
- The number of recoveries that were reported from the beginning of the pandemic was 185,995, i.e., a 93,7% recovery rate.

#### 2.2. SARS-Cov-2 related deaths

- In the past 24 hours, 1 death was reported. The case fatality rate was 5.9%, i.e., 6.3% reported among males and 5,6% females.
- There is a need to investigate whether there were no deaths that were SARS-Cov-2 related.

#### 2.3. Hospitalizations and outcomes

- The cumulative number of hospitalizations was 31,957, i.e., 22,258 (69,6%) in public and 9,669 (30,4%) in private. Sixty-five percent (64,9%), i.e., 20,730 of hospitalized patients were discharged alive and 13, 464 (64,9%) occurred in public sector.

- Thirty percent (29,7%) of hospitalized cases, i.e., 9,486 demised and 7,188 (75.8%) occurred in public sector facilities.
- Of the 142 currently admitted (96 in private and 46 in public), 87 (61,3%) were from NM Metro. In the past day, 7 admissions occurred in BC Metro (3) and NM Metro (4).
- There were 111 cases (78,2%) were admitted in the General Ward (66 in private & 45 in public sector); 24 cases (16,9%) in ICU (in private); 7 cases (4,9%) in High Care (1 in public & 6 in private); 27 cases (19,0%) on oxygen (18 in public & 9 in private) and 16 cases (11,3%) was on ventilation (4 in public and 12 in private sector).

## **2.4 Healthcare workers**

- The number of HCWs who tested SARS-Cov-2 positive was 12,074 and 307 persons demised. Most of the health workers who tested positive for SARS-Cov-2 were nurses, followed by doctors and clinical associates.
- The number of healthcare workers who tested positive for SARS-Cov-2 was from NM Metro, followed by BC Metro.

## **2.5 Conclusion**

In the past 7 days, the incidence of SARS-Cov-2 increased by 39,1% from 11,5 cases per 100,000 population to 16,0 cases per 100,000 population. The highest incidence was observed in NM Metro with more than 60 cases per 100,000, which was followed by Sarah Baartman. More than half of the active cases were in NM Metro and Sarah Baartman. The two districts are now hotspots but not yet entered the third wave.

Local municipalities or sub-districts to watch include East London (BC Metro), Inxuba Yethemba LM (Chris Hani), Walter Sisulu LM (Joe Gqabi), Sub-District C (NM Metro), and Dr Beyers Naude LM, Kouga LM, Ndlambe LM & Sundays River Valley LM (Sarah Baartman).

There is a need to ensure that non-pharmaceutical preventive measures are implemented, increase case detection, enhance contact tracing, and case management.

### 3. SARS-Cov-2 CASES & DEATHS

#### 3.1. Summary of all cases and deaths

In the past 24 hours, 44 new cases and 1 death were reported. Cumulatively, **198,739 cases** and **11,673 deaths** were reported.

|              | No. of cases  | New Cases | Total         | %            | Deaths       | New Deaths      |                  | Total        | CFR (%)    |
|--------------|---------------|-----------|---------------|--------------|--------------|-----------------|------------------|--------------|------------|
|              |               |           |               |              |              | *Newly Reported | **Newly occurred |              |            |
| Male         | 78842         | 18        | 78860         | 39,7         | 4932         | 0               | 0                | 4932         | 6,3        |
| Female       | 119834        | 26        | 119860        | 60,3         | 6740         | 0               | 1                | 6741         | 5,6        |
| Unknown      | 19            | 0         | 19            | 0,0          | 0            | 0               |                  | 0            | 0,0        |
| <b>Total</b> | <b>198695</b> | <b>44</b> | <b>198739</b> | <b>100,0</b> | <b>11672</b> | <b>0</b>        | <b>1</b>         | <b>11673</b> | <b>5,9</b> |

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

Six percent (5.9%) of the cases demised, and 6.3% were males and 5.6% were females.

| District       | Cases         | New Cases | Total Cases   | Recoveries    | Deaths       | New Deaths      |                  | Total Deaths | CFR (%)    | Recovery Rate | Active Cases |
|----------------|---------------|-----------|---------------|---------------|--------------|-----------------|------------------|--------------|------------|---------------|--------------|
|                |               |           |               |               |              | *Newly Reported | **Newly occurred |              |            |               |              |
| Alfred Nzo     | 8064          | 0         | 8064          | 7555          | 500          | 0               | 0                | 500          | 6,2        | 93,8          | 9            |
| Amathole       | 19429         | 0         | 19429         | 18310         | 1111         | 0               | 0                | 1111         | 5,7        | 94,3          | 8            |
| BC Metro       | 39303         | 3         | 39306         | 36830         | 2365         | 0               | 0                | 2365         | 6          | 93,8          | 111          |
| Chris Hani     | 19875         | 0         | 19875         | 18209         | 1611         | 0               | 0                | 1611         | 8,1        | 91,6          | 55           |
| Joe Gqabi      | 7767          | 2         | 7769          | 7224          | 500          | 0               | 0                | 500          | 6,5        | 93,1          | 45           |
| NM Metro       | 57747         | 38        | 57785         | 53701         | 3351         | 0               | 1                | 3352         | 5,8        | 93,2          | 732          |
| OR Tambo       | 22512         | 1         | 22513         | 21126         | 1383         | 0               | 0                | 1383         | 6,1        | 93,9          | 4            |
| Sarah Baartman | 22192         | 0         | 22192         | 21237         | 851          | 0               | 0                | 851          | 3,8        | 95,7          | 104          |
| Imported       | 680           | 0         | 680           | 677           | 0            | 0               | 0                | 0            | 0          | 100           | 3            |
| Unspecified    | 1126          | 0         | 1126          | 1126          | 0            | 0               | 0                | 0            | 0          | 100           | 0            |
| <b>E. Cape</b> | <b>198695</b> | <b>44</b> | <b>198739</b> | <b>185995</b> | <b>11672</b> | <b>0</b>        | <b>1</b>         | <b>11673</b> | <b>5,9</b> | <b>93,7</b>   | <b>1071</b>  |

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

Eighty-six percent (86,4%), i.e. 38 of the new cases were from NM Metro, followed by BC Metro (3 cases, 6,8%), Joe Gqabi (2 cases, 4,5%) and OR Tambo (1 case, 2,3%).

Of the 1,071 active cases, 732 (68,3%) were from NM Metro, followed by BC Metro (111 cases, 10,4%), Sarah Baartman (104 cases, 9,7%), Chris Hani (55 cases, 5,1%), Joe Gqabi (45 cases, 4,2%), Amathole (8 cases, 0,7%), and Alfred Nzo and OR Tambo (13 cases, 1,2%). Three (3) were misallocated to the province from other provinces.

The number of recoveries that were reported from the beginning of the pandemic was 185,995, i.e., a 93,7% recovery rate.

### 3.2. Newly diagnosed cases

The number of new cases has increased by 27,3% from 99 on the 30<sup>th</sup> of May to 126 on the 06<sup>th</sup> of June.

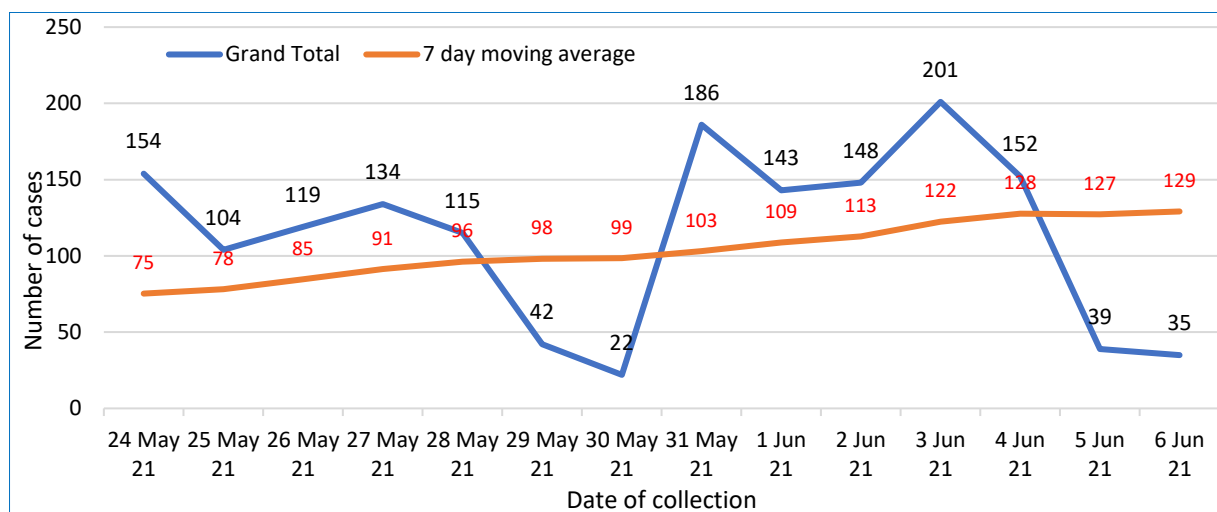


Fig. 1. Daily SARS-Cov-2 cases & 7-day moving average by date of collection, as of 07<sup>th</sup> June 2021

NM Metro reported the highest number of newly diagnosed cases, followed by Sarah Baartman, Chris Hani and Joe Gqabi.

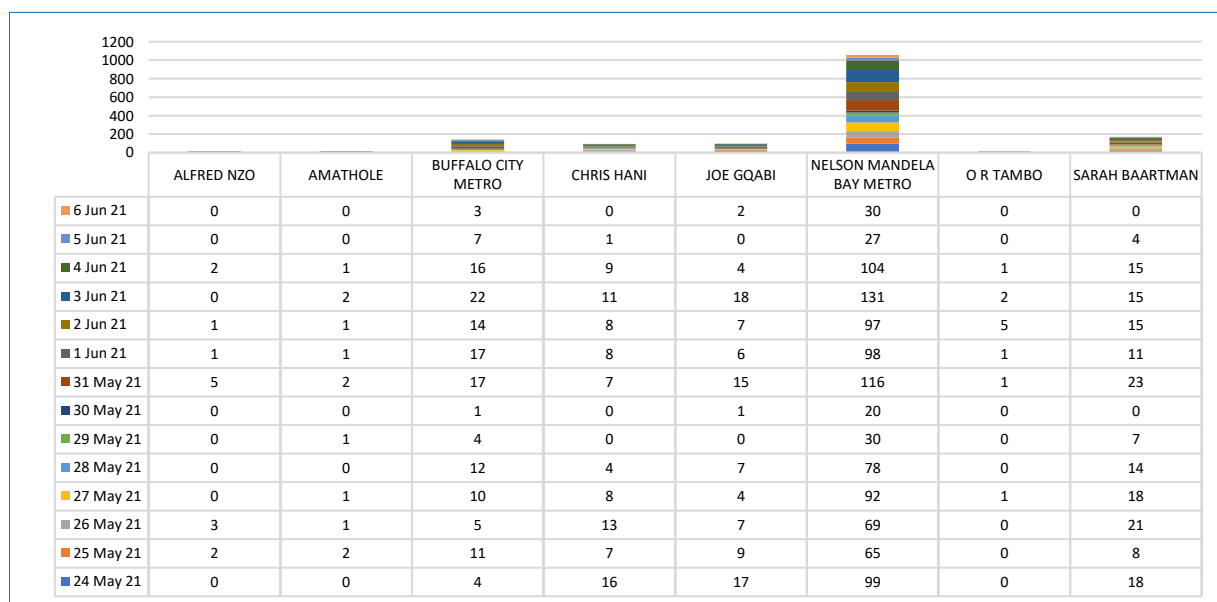


Fig. 2. Daily SARS-Cov-2 cases by district and date of collection, as of 07<sup>th</sup> June 2021

There is a need to improve case detection (including increased testing) and contact tracing and monitoring. Alfred Nzo, Amathole and OR Tambo still report a low number of newly diagnosed cases.

## 4. SARS-Cov-2 LAB TESTS & RESULTS

### 4.1. Test Results by Laboratory

A total of 11,565 tests were reported from the 30<sup>th</sup> of May to the 5<sup>th</sup> of June. In the past 2 days, 2,099 were reported, with 47,2% done in the private sector. Cumulatively, 996,541 and 60,4% were done in public and 39,6% in the private sector.

**Table 3. Number of SARS-Cov-2 tests for Private and Public by Laboratories, as of 07<sup>th</sup> June 2021**

|                     | Private       | Public        | Total          | Percentage (%) | Tests 06-07 June | Tests 30 May-05 June |
|---------------------|---------------|---------------|----------------|----------------|------------------|----------------------|
| Alfred Nzo          | 4556          | 29477         | 34 033         | 3,4            | 14               | 107                  |
| Amathole            | 9821          | 73961         | 83 782         | 8,4            | 67               | 249                  |
| BC Metro            | 62909         | 102157        | 165 066        | 16,6           | 134              | 612                  |
| Chris Hani          | 13141         | 61590         | 74 731         | 7,5            | 83               | 511                  |
| Joe Gqabi           | 1281          | 29309         | 30 590         | 3,1            | 59               | 386                  |
| NMB Metro           | 93335         | 146949        | 240 284        | 24,1           | 592              | 2219                 |
| OR Tambo            | 30253         | 69350         | 99 603         | 10,0           | 53               | 168                  |
| Sarah Baartman      | 18788         | 88782         | 107 570        | 10,8           | 106              | 734                  |
| Unclassified        | 160882        | 0             | 160 882        | 16,1           | 991              | 6579                 |
| <b>Eastern Cape</b> | <b>394966</b> | <b>601575</b> | <b>996 541</b> | <b>100</b>     | <b>2099</b>      | <b>11565</b>         |

NM Metro accounts for 24,1% of the tests, followed by BC Metro (16,6%), Sarah Baartman (10,8%) and OR Tambo (10,0%).

### 4.2. Antigen Testing

Antigen Test Method was used to test 125,390 specimens with a 6,8% positivity rate.

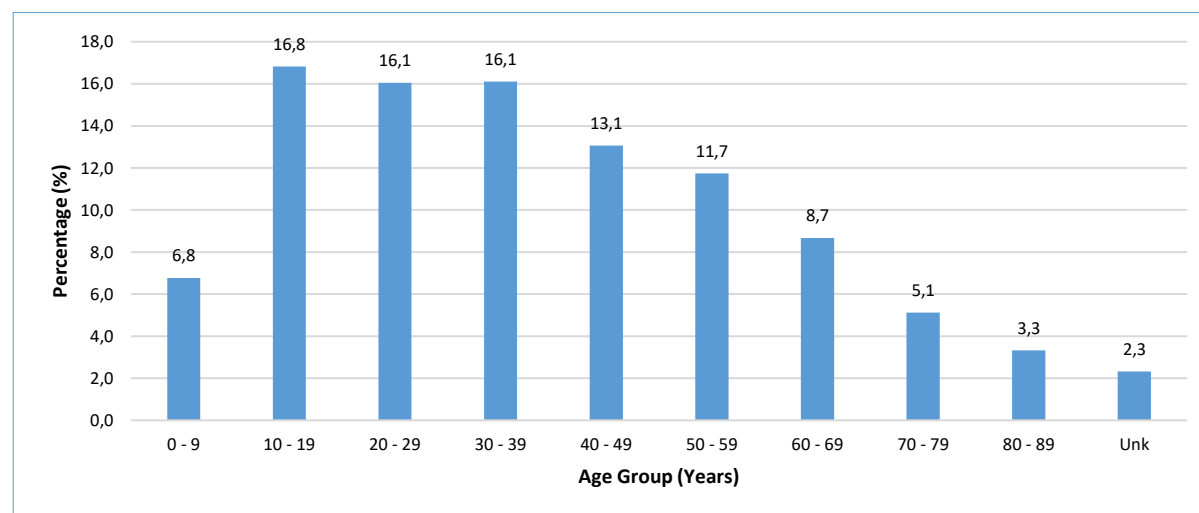
**Table 4. No. of SARS-Cov-2 Tests and results using Antigen Test Method, as of 07<sup>th</sup> June 2021**

|                | Negative      | Positive    | Total         | Percentage (%) | Positivity Rate (%) |
|----------------|---------------|-------------|---------------|----------------|---------------------|
| A Nzo          | 14573         | 934         | 15507         | 12,4           | 6,0                 |
| Amathole       | 4423          | 613         | 5036          | 4,0            | 12,2                |
| BC Metro       | 12530         | 1628        | 14158         | 11,3           | 11,5                |
| Chris Hani     | 10234         | 1181        | 11415         | 9,1            | 10,3                |
| Joe Gqabi      | 3785          | 479         | 4264          | 3,4            | 11,2                |
| NM Metro       | 39503         | 2024        | 41527         | 33,1           | 4,9                 |
| OR Tambo       | 24495         | 1361        | 25856         | 20,6           | 5,3                 |
| Sarah Baartman | 7295          | 332         | 7627          | 6,1            | 4,4                 |
| <b>Total</b>   | <b>116838</b> | <b>8552</b> | <b>125390</b> | <b>100,0</b>   | <b>6,8</b>          |

NM Metro accounted for 33,1% of the tests, followed by OR Tambo (20,6%) from OR Tambo, Alfred Nzo (12,4%) and BC Metro (11,3%). Four (4) districts reported more than 10% positivity rate among those tested using antigen testing, i.e. Amathole, BC Metro, Chris Hani and Joe Gqabi. The lowest positivity rate was observed in Sarah Baartman.

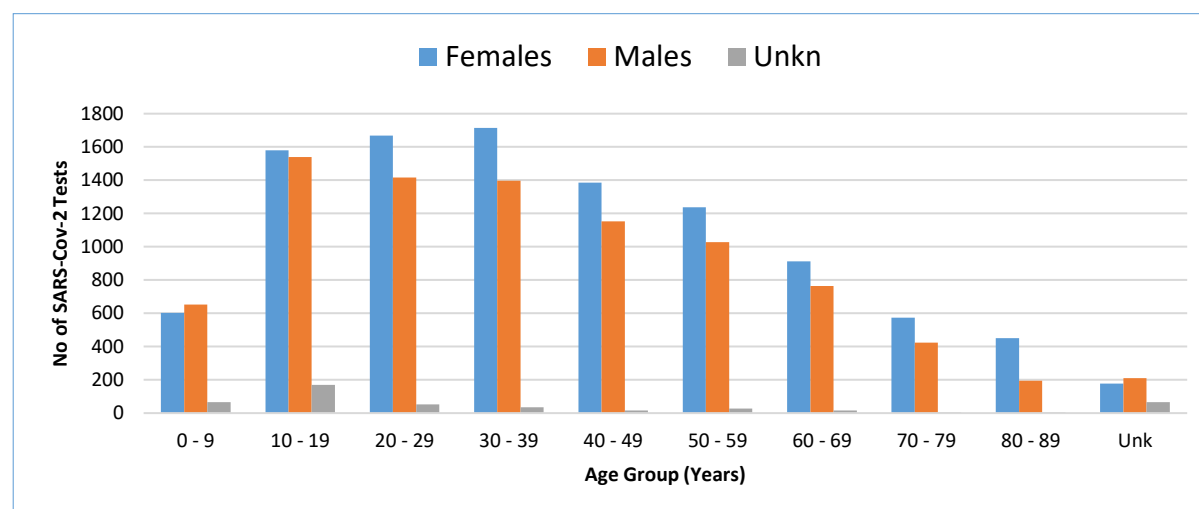
### 4.3. Tests by age group and sex

In the last 31 days, 19,537 specimens were tested for SARS-Cov-2 in public sector laboratories. Fifty-seven percent (57%) of the tests were among the 20 to 59 year's age group. Forty percent (40,7%) of the tests were among the younger and elderly population.



**Fig. 3. The number of SARS-Cov-2 tests by age group in the last 31 days, as of 03 June 2021**

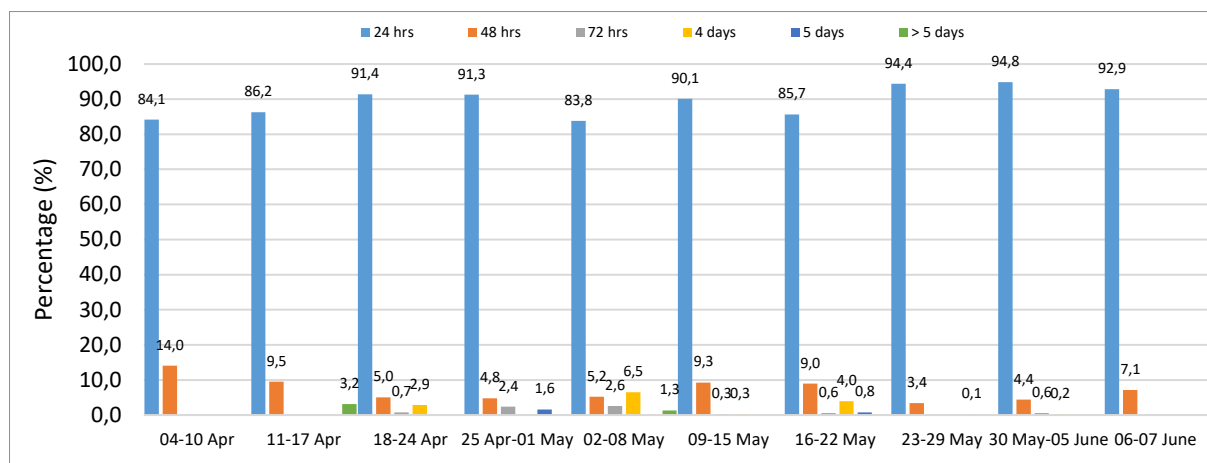
Only 2,3% of the tests did not have information on the age of the person who was tested for SARS-Cov-2.



**Fig. 4. No. of SARS-Cov-2 public sector tests by age group and gender, as of 03 June 2021**

More than half of all the tests (52,7%), which were done in the last 31 days, were predominantly among the female population. Only 44,9% of the tests were among the male population and 2,3% 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.

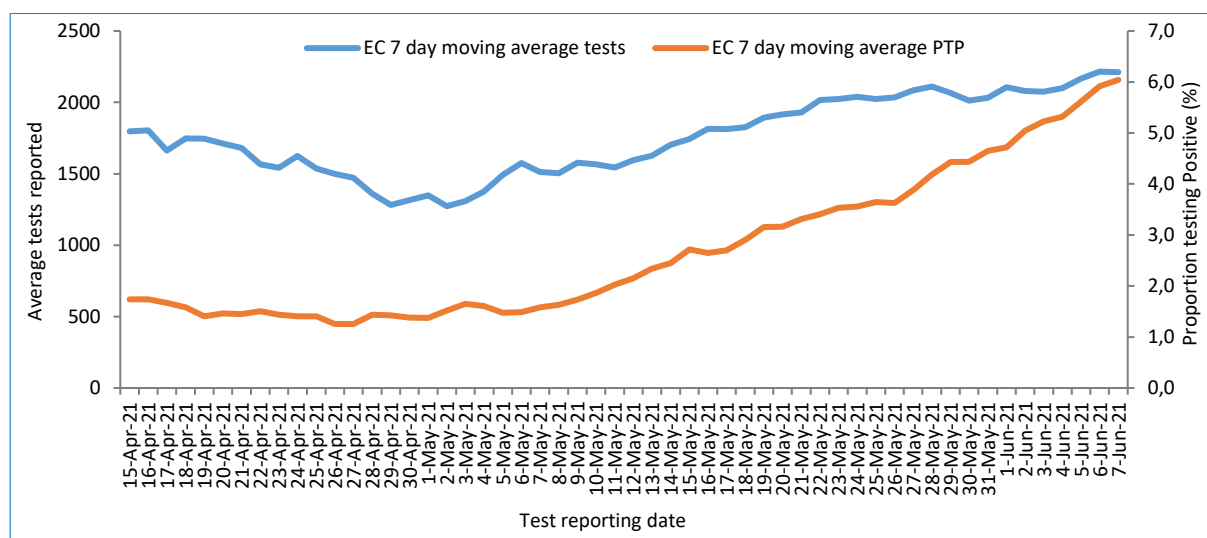
#### 4.4. Turnaround Time



**Fig. 5. Turnaround time for SARS-Cov-2 positive results by week as of 07 June 2021**

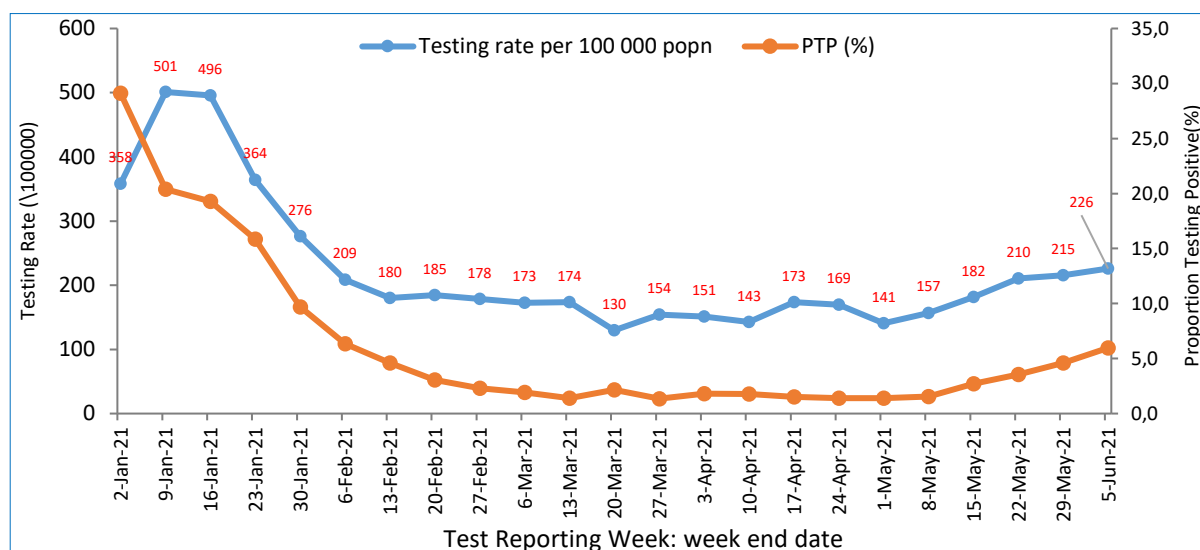
Results that were available within 24 hours has decreased by 2,0% from 94,8% during the previous week to 92,9% in the current week. Results that were available within 48 hours increased by 2,2% from 97,8% in the previous week, to 100% in the current week.

#### 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 07 June 2021**

In the past 7 days, there is a 9,0% increase in the number of SARS-Cov-2 tests from 2,106 on the 01<sup>st</sup> June to 2,212 on the 07<sup>th</sup> of June 2021. The positivity rate has increased by 27,7% from 4,7% to 6,0% during the same period.

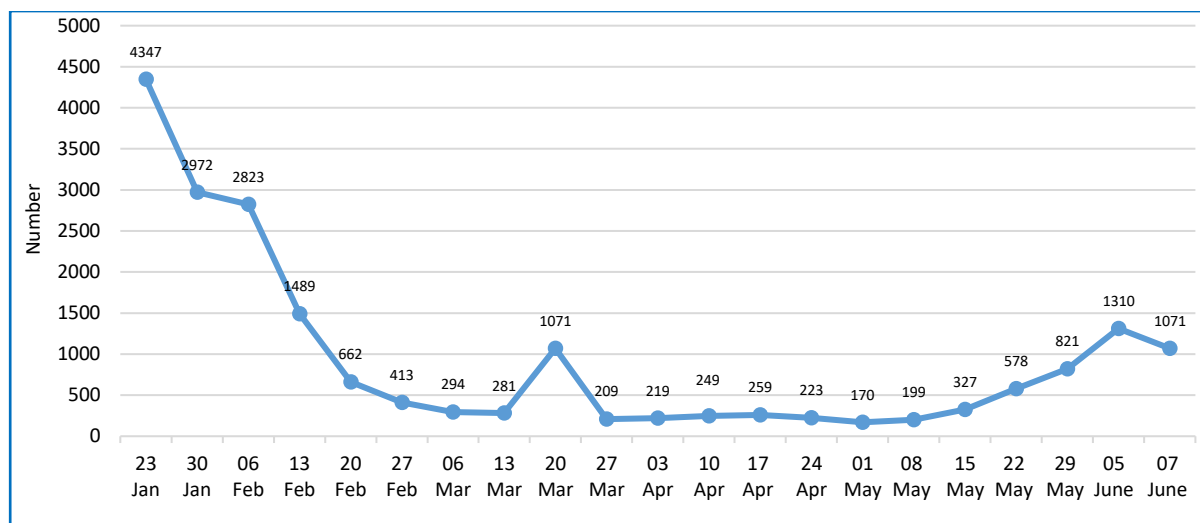


**Fig. 7. Testing Rate for SARS-Cov-2 by week for past 23 weeks, as of 06 May 2021**

The testing rate for SARS-Cov-2 has increased by 5,1% from 215 tests per 100,000 on the 29<sup>th</sup> of May to 226 tests per 100,000 on the 06 June. The testing rate has increased to more than 200 tests per 100,000 per week.

## 5. ACTIVE CASES, INCIDENCE & POSITIVITY RATE

### 5.1. Active SARS-Cov-2 Cases

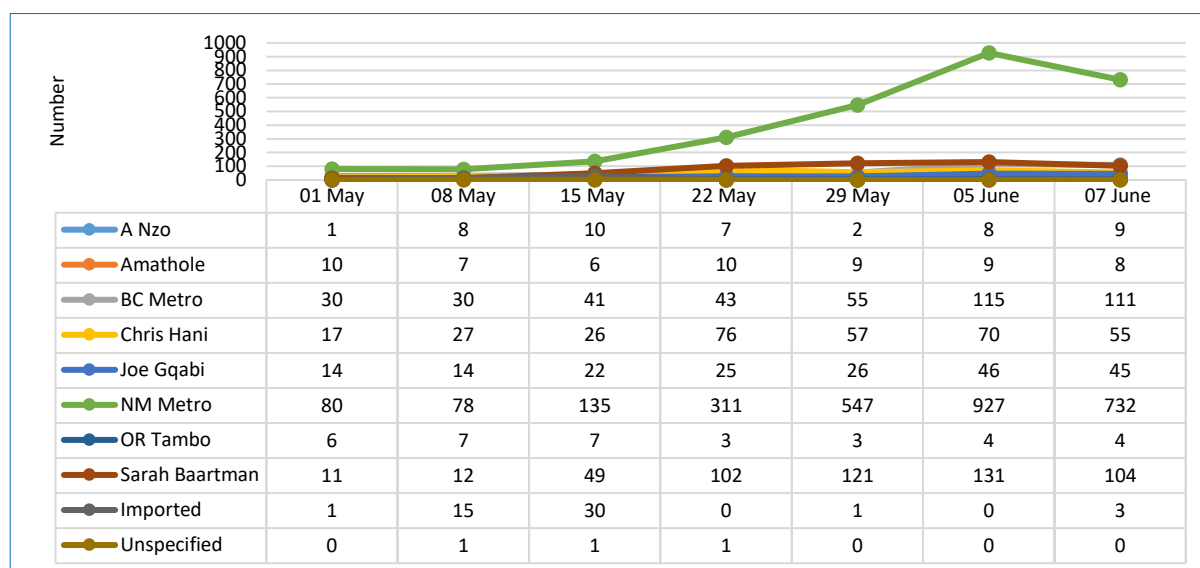


**Fig. 8. Number of active SARS-Cov-2 cases by week, as of 07<sup>th</sup> June 2021**

The number of active cases has increased by 30,5% from 821 on the 29<sup>th</sup> of May to 1,071 on the 07<sup>th</sup> of June. Over the past 24 hours, the number of active cases decreased by 6,3% from 1,143 to 1,071. There is a need to improve the implementation of non-pharmaceutical preventive measures with the vaccination services.

Figure 9 below provides the number of active cases by districts and the date of collection.





**Fig. 9. Number of weekly Active SARS-Cov-2 cases by district, as of 07<sup>th</sup> June 2021**

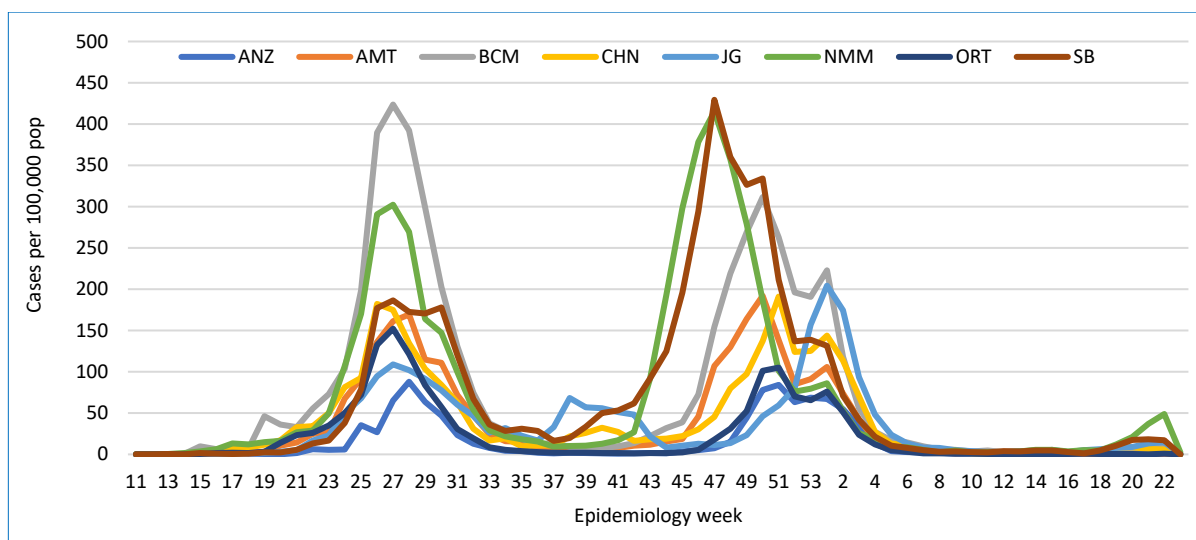
There was a rapid increase in the number of active cases in NM Metro, followed by Sarah Baartman, Chris Hani and Joe Gqabi. More than two-thirds of the active cases were from NM Metro, followed by Sarah Baartman. Both BC Metro and Joe Gqabi also have an increase in the number of active cases.

## 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               | 34 033          | 8064                   | 9                       | 1,1                             | 23,7                       |
| Amathole       | 798067               | 83 782          | 19429                  | 8                       | 1,0                             | 23,2                       |
| BC Metro       | 798798               | 165 066         | 39306                  | 111                     | 13,9                            | 23,8                       |
| Chris Hani     | 733743               | 74 731          | 19875                  | 55                      | 7,5                             | 26,6                       |
| Joe Gqabi      | 343075               | 30 590          | 7769                   | 45                      | 13,1                            | 25,4                       |
| NM Metro       | 1210803              | 240 284         | 57785                  | 732                     | 60,5                            | 24,0                       |
| OR Tambo       | 1520922              | 99 603          | 22513                  | 4                       | 0,3                             | 22,6                       |
| Sarah Baartman | 480223               | 107 570         | 22192                  | 104                     | 21,7                            | 20,6                       |
| Imported       |                      | 0               | 680                    | 3                       | 0,0                             | 0,0                        |
| Unspecified    |                      | 160 882         | 1126                   | 0                       | 0,0                             | 0,7                        |
| <b>E.Cape</b>  | <b>6713457</b>       | <b>996 541</b>  | <b>198739</b>          | <b>1071</b>             | <b>16,0</b>                     | <b>19,9</b>                |

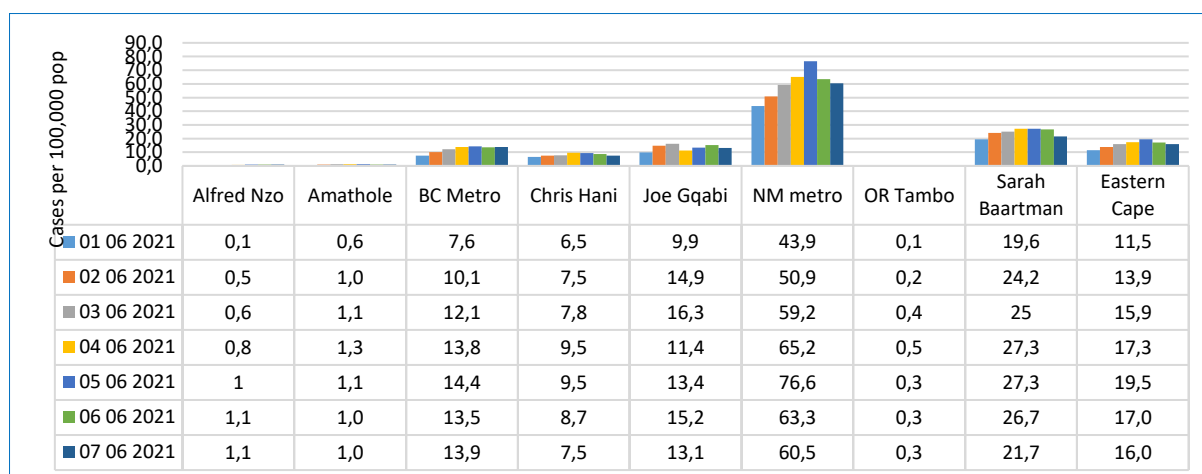
The incidence of SARS-Cov-2 was 16,0 cases per 100,000 populations. Five (5) districts reported more than 5 cases per 100,000 populations, i.e., BC Metro, Chris Hani, Joe Gqabi, NM Metro, and Sarah Baartman. However, Chris Hani has less than 10 cases per 100,000 populations. Both NM Metro and Sarah Baartman are hotspots that reported more than 20 cases per 100,000 populations.

### 5.3. Incidence of SARS-Cov-2 cases



**Fig. 10. Incidence of SARS-Cov-2 cases by epidemiological week, as of 07<sup>th</sup> June 2021**

After the second wave, the NM Metro and Sarah Baartman have shown an increase in the incidence of SARS-Cov-2 cases. A rapid increase in incidence occurred from week 19 and continue to increase until week 22.

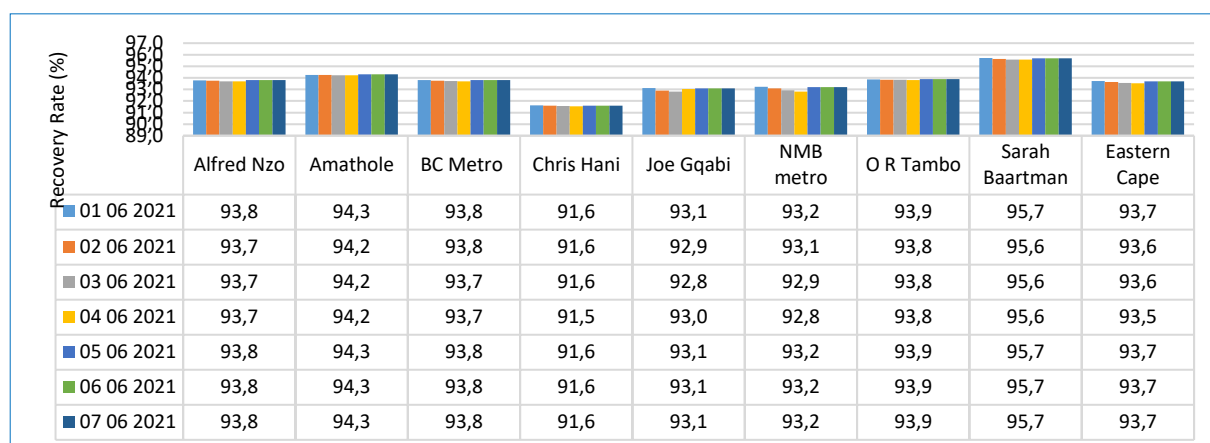


**Fig. 11. Active SARS-Cov-2 cases (per 100,000 pop) by district, as of 07<sup>th</sup> June 2021**

In the past 7 days, the incidence of SARS-Cov-2 increased by 39,1% from 11,5 cases per 100,000 population to 16,0 cases per 100,000 population. Three (3) districts have less than 5 cases per 100,000 populations, i.e. Alfred Nzo, Amathole, and OR Tambo. Five (5) districts have more than 5 cases per 100,000 populations, i.e., BC Metro, Chris Hani, Joe Gqabi, NM Metro and Sarah Baartman.

## 5.4. Recovery Rate (%)

The provincial recovery rate remained above 90% over the past 7 days. However, it has shown a decrease during the same period.

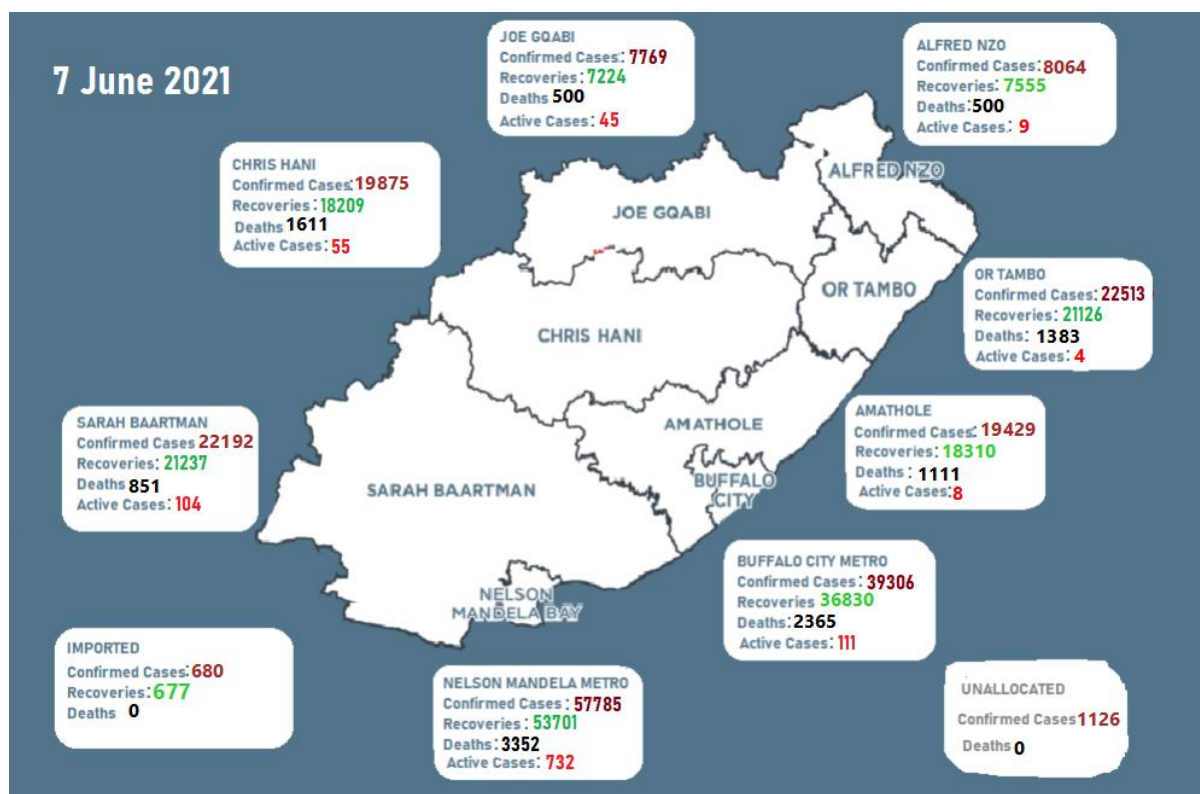


**Fig. 12. SARS-Cov-2 Recovery Rate (%) by districts, as of 07<sup>th</sup> June 2021 (N=185,995)**

As the number of new and active cases increases, the recovery rate also decreases. The recovery rate decreased by 0% in the past 7 days.

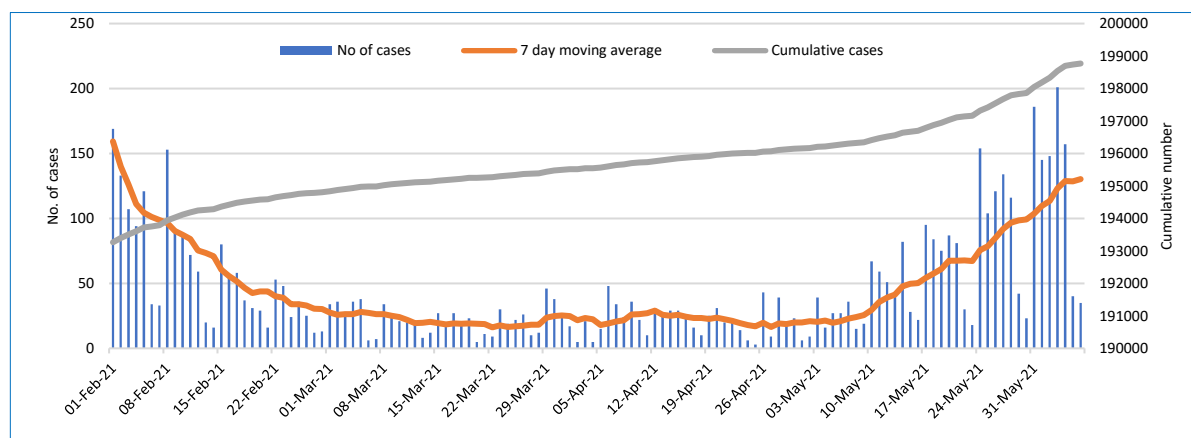
## 5.5. Mapping of active cases, recoveries, and deaths

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 07<sup>th</sup> June 2021**

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



**Fig. 14. The 7-day moving average for Covid-19 cases by date of collection, as of 07<sup>th</sup> June 2021**  
The end of the second wave marked a new period of low transmission of SARS-Cov-2 from the end of January. From the second week of May, there was a rapid increase in the number of new cases until to date.

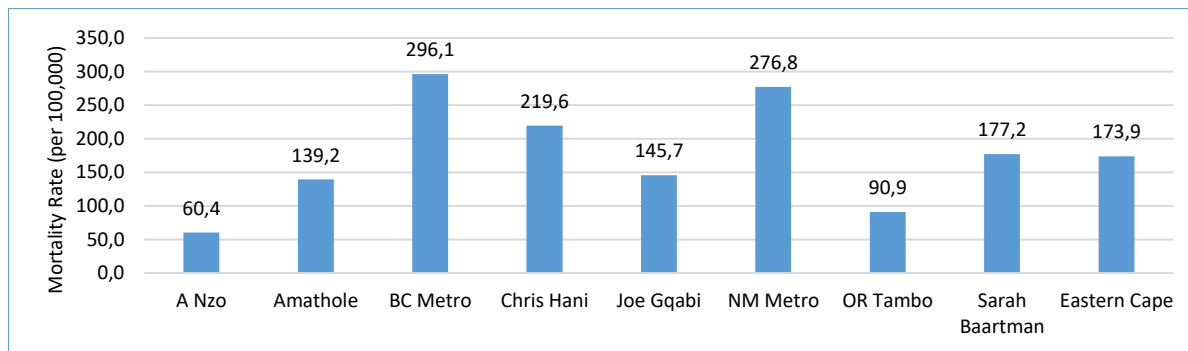
## 7. SARS-Cov-2 RELATED MORTALITY

### 7.1. SARS-Cov-2 related deaths

The table below provides the number of cases, deaths, and mortality rate by 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          | 2,4          | 8,7                    | 4,2                          |
| Jun 20       | 23793         | 1036         | 8,9          | 4,4                    | 15,4                         |
| Jul 20       | 50291         | 2035         | 17,4         | 4,0                    | 30,3                         |
| Aug 20       | 8295          | 668          | 5,7          | 8,1                    | 10,0                         |
| Sep 20       | 2992          | 213          | 1,8          | 7,1                    | 3,2                          |
| Oct 20       | 8626          | 287          | 2,5          | 3,3                    | 4,3                          |
| Nov 20       | 34232         | 1710         | 14,7         | 5,0                    | 25,5                         |
| Dec 20       | 42757         | 2777         | 23,8         | 6,5                    | 41,4                         |
| Jan 21       | 18168         | 1918         | 16,4         | 10,6                   | 28,6                         |
| Feb 21       | 1705          | 312          | 2,7          | 18,3                   | 4,6                          |
| Mar 21       | 701           | 107          | 0,9          | 15,3                   | 1,6                          |
| Apr 21       | 625           | 56           | 0,5          | 9,0                    | 0,8                          |
| May 21       | 1895          | 82           | 0,7          | 4,3                    | 1,2                          |
| Jun 21       | 682           | 5            | 0,0          | 0,7                    | 0,1                          |
| Unknown      | 0             | 145          | 1,2          | 0,0                    | 2,2                          |
| <b>Total</b> | <b>198695</b> | <b>11672</b> | <b>100,0</b> | <b>5,9</b>             | <b>173,9</b>                 |

Twenty-four percent (23,8%) of the deaths occurred in December; 16,4% in January; 2,7% in February; 0,9% in March; 0,5% in April; and 0,7% in May. The Case Fatality Rate was 6,5% in December, 10,6% in January, 18.3% in February, 15.3% in March, 9,0% in April, 4.3% in May and 0,7% in June.

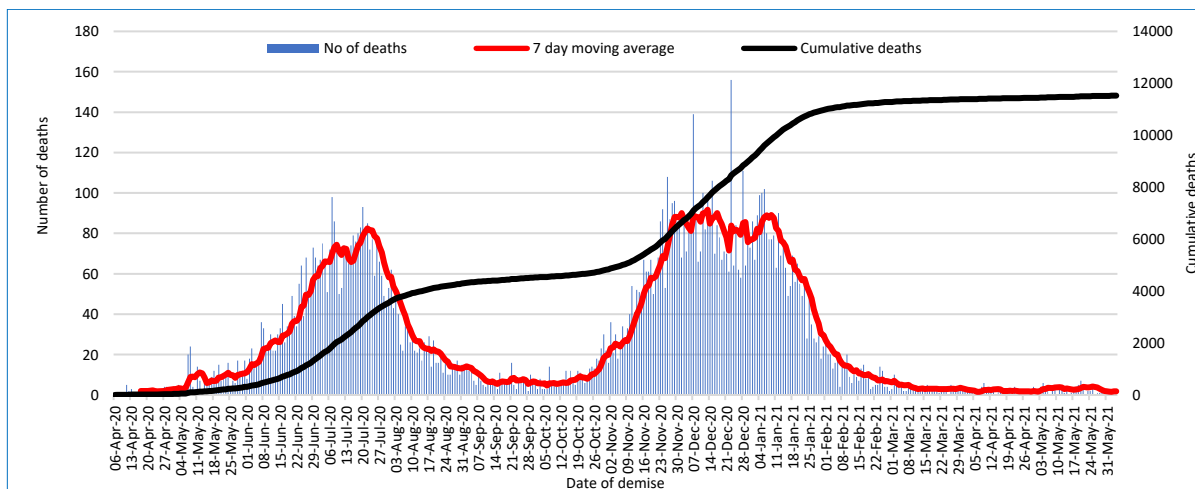


**Fig. 15. SARS-Cov-2 related mortality per 100,000 by district, as of 07<sup>th</sup> June 2021**

The provincial mortality rate was 173,9 deaths per 100,000 populations. BC Metro reported the highest mortality rate at 296,1 per 100,000 followed by NM Metro (276,8 per 100,000); Chris Hani (219,6 per 100,000) and Sarah Baartman (177,2 per 100,000).

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

The figure below depicts the daily and the cumulative number of SARS-Cov-2 related deaths which occurred in the province from the beginning of the pandemic.

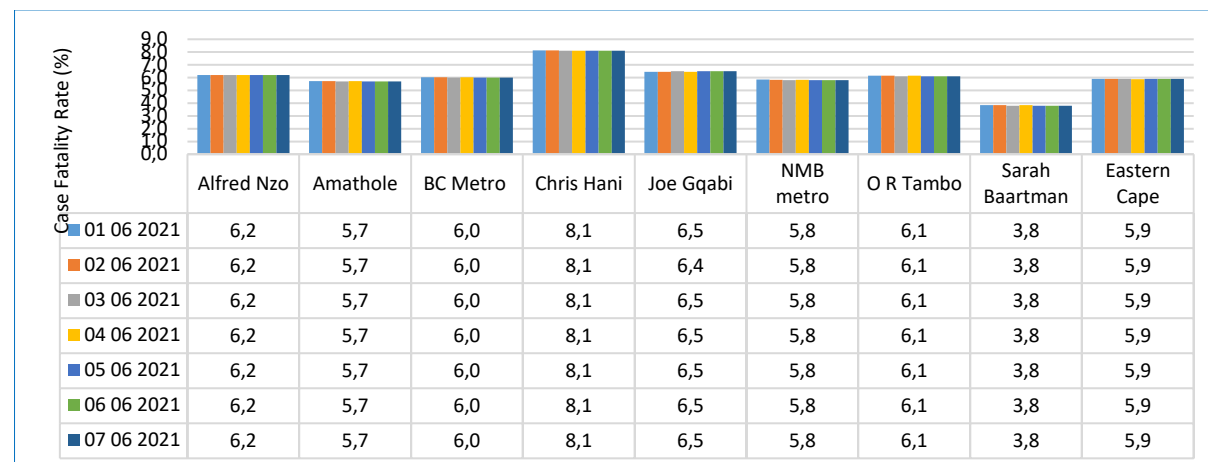


**Fig. 16. Daily and cum. SARS-Cov-2 related deaths by date of demise, as of 07<sup>th</sup> June 2021**

The second wave appears to have been severe compared to the first wave, i.e., there were more cases and more deaths compared to the first wave. And the duration of the second wave was longer than the first wave. The number of deaths continues to decline from the first week of January until to date. However, with the increase in the number of cases, there is a need to strengthen the reporting of the deaths including post-mortem tests.

### 7.3. Case Fatality Rate by district

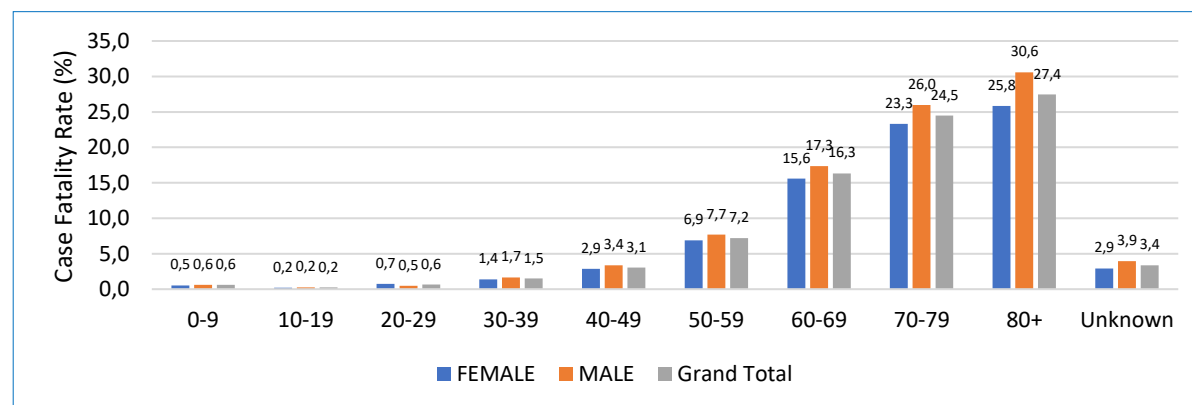
Chris Hani reported 8,1% of the SARS-Cov-2 deaths, followed by Joe Gqabi (6,5%), Alfred Nzo (6,2%), OR Tambo (6,1%), BC Metro (6,0%), NM Metro (5,8%), Amathole (5,7%) and the lowest being Sarah Baartman (3,8%).



**Fig. 17. SARS-Cov-2 Case Fatality Rate (%) by district, as of 07<sup>th</sup> June 2021 (N=11,673)**

The case fatality rate in the province has not changed in the past 7 days, including the 6 districts. From February, the number of SARS-Cov-2 related deaths has declined significantly.

### 7.4. Case Fatality Rate by age group

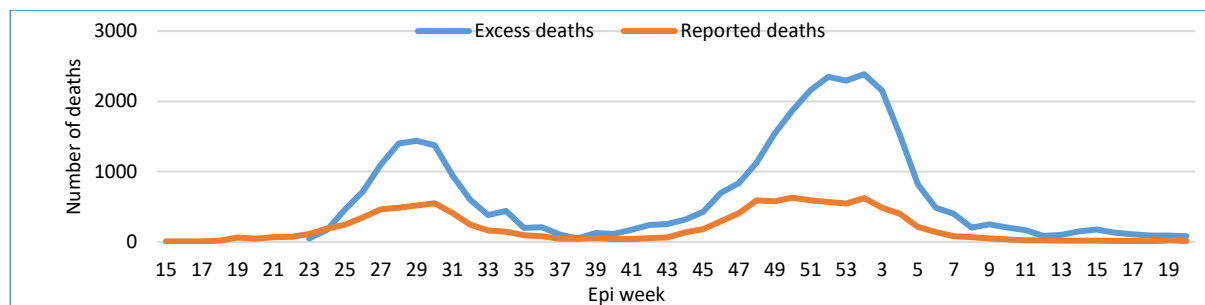


**Fig. 18. SARS-Cov-2 related Case Fatality Rate (%) by age group, as of 07<sup>th</sup> June 2021**

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.

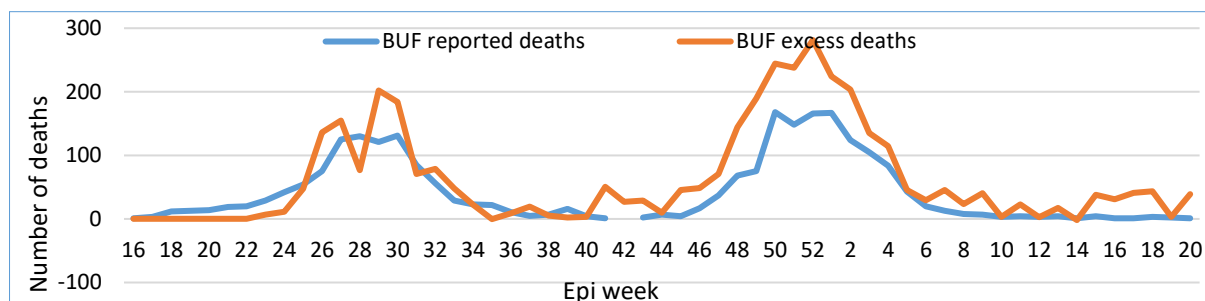
## 7.5. Excess versus reported deaths

Data is from the Medical Research Council (as of the 15<sup>th</sup> May 2021) and ECDOH (24 May).

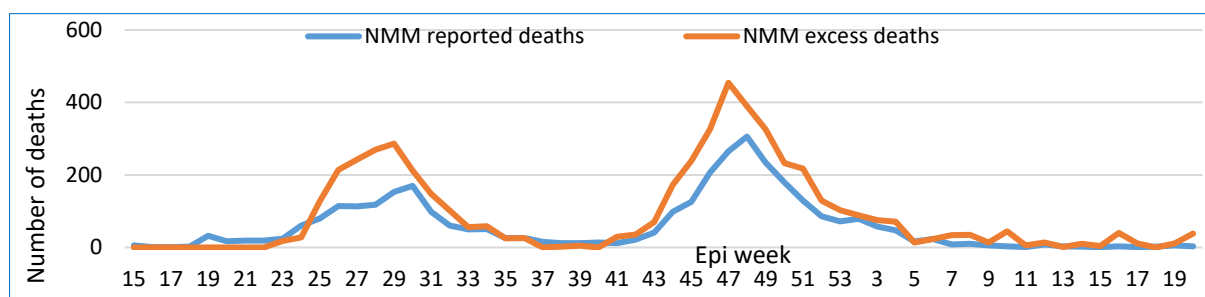


**Fig. 19. Excess & reported Covid-19 deaths by week, as of 24 May 2021 (ECDOH, MRC<sup>1</sup>)**

The number of excess deaths from the MRC was greater than the number of deaths as reported by the Department. The differences in the number of deaths during the period of low transmission appear to be lower compared to the period of high transmission. The gap between the number of reported deaths related to SARS-Cov-2 appears to be narrower in BC Metro and NM Metro compared to the provincial figures. Like the provincial figures, there were notable gaps during the peak periods in the first and second waves.



**Fig. 20. Reported SARS-Cov-2 versus excess deaths in BC Metro, as of the 24 May 2021**



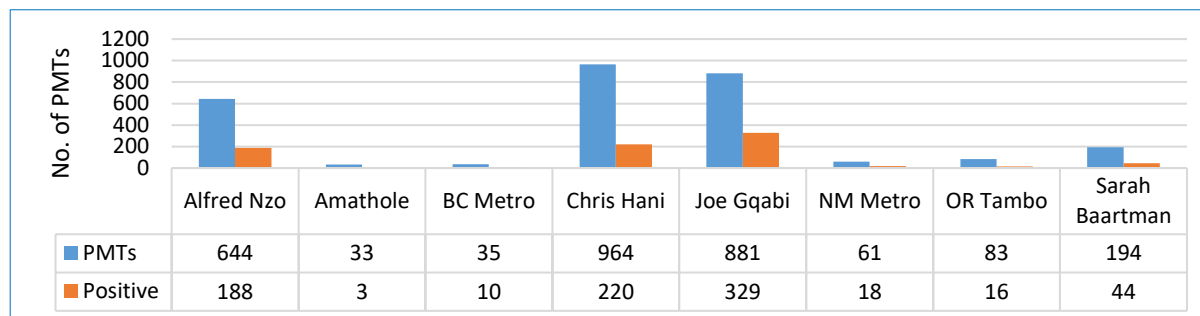
**Fig. 21. Reported SARS-Cov-2 versus excess deaths in NM Metro, as of the 24 May 2021**

Figures 20 and 21 shows that the gap between the number of excess deaths in BC Metro and NM Metro appears to be narrower, which is contrary to the provincial picture.

<sup>1</sup> Medical Research Council (MRC) data was updated on the 15<sup>th</sup> May 2021

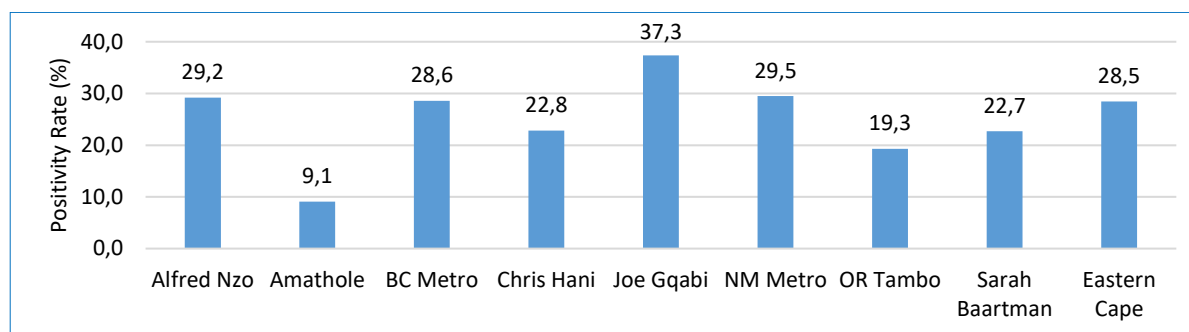
## 7.6. Post-mortem tests (PMTs) and results

To date, 2,895 PMTs were done and 828 confirmed positive for SARS-Cov-2.



**Fig. 22. Number of Post-Mortem Tests & Positive Cases by district, as of 07 June 2021**

Of all the PMTs, 2,489 (86,0%) were from Alfred Nzo, Chris Hani and Joe Gqabi. Similarly, 737 of the 828 (89%) confirmed cases were from the 3 districts.



**Fig. 23. Post-mortem SARS-Cov-2 positivity rate by district, as of 07 June 2021**

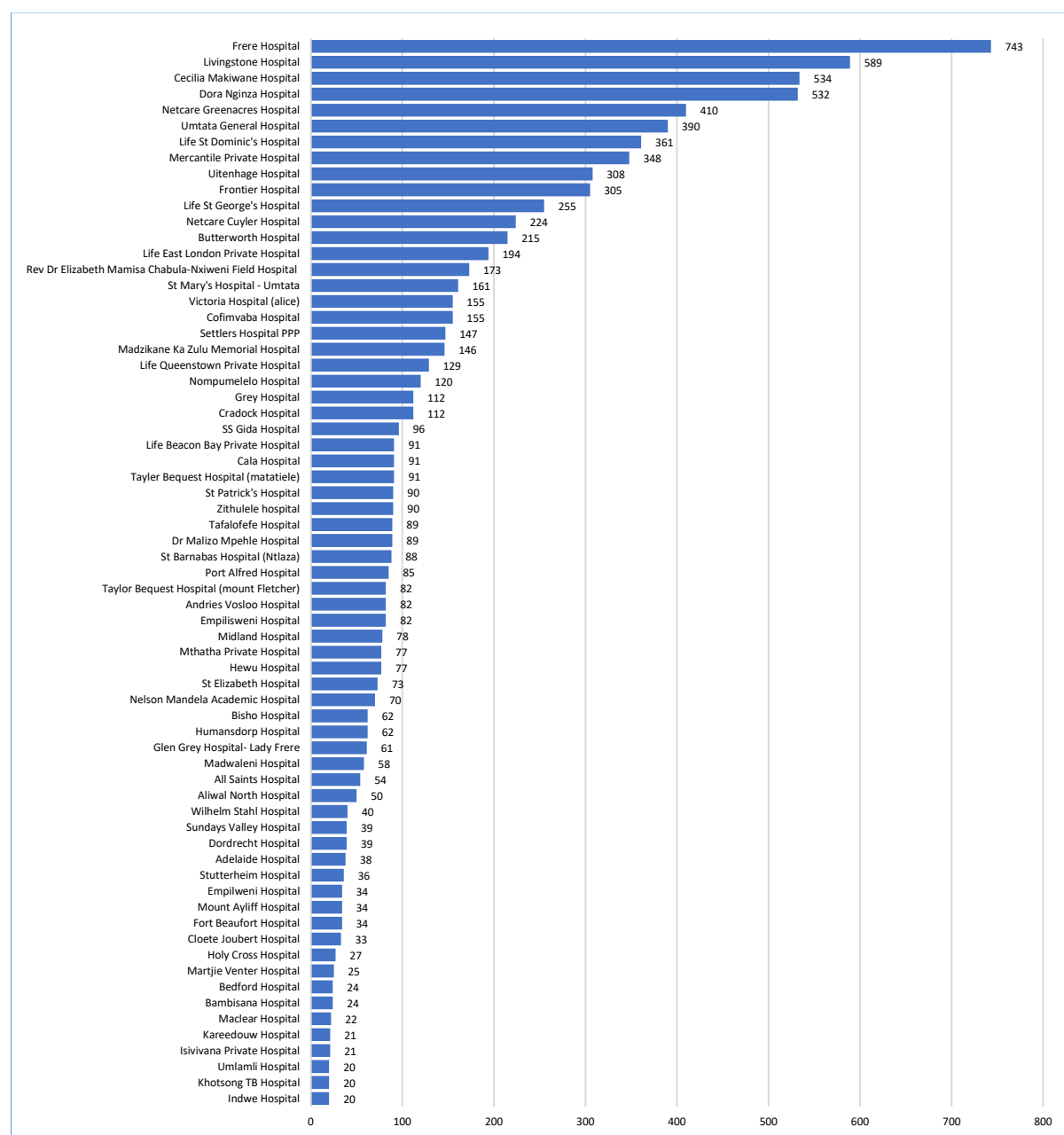
Twenty-nine percent (28,5%) of the PMTs tested positive. Joe Gqabi reported the highest positivity rate, followed by NM Metro, Alfred Nzo, BC Metro and Chris Hani.

|                     | 16-22 May  |           | 23-29 May |          | 30 May-05 June |          | 16 May-05 June |           |
|---------------------|------------|-----------|-----------|----------|----------------|----------|----------------|-----------|
|                     | PMTs       | Positive  | PMTs      | Positive | PMTs           | Positive | PMTs           | Positive  |
| Alfred Nzo          | 35         | 5         | 23        | 1        | 20             | 1        | 78             | 7         |
| Amathole            | 5          |           | 3         |          | 1              |          | 9              | 0         |
| BC Metro            | 1          |           | 0         |          | 0              |          | 1              | 0         |
| Chris Hani          | 36         | 7         | 28        | 3        | 38             |          | 102            | 10        |
| Joe Gqabi           | 28         | 2         | 35        | 1        | 17             | 2        | 80             | 5         |
| NM Metro            | 1          |           | 0         |          | 1              |          | 2              | 0         |
| OR Tambo            | 7          |           | 8         |          | 3              |          | 18             | 0         |
| Sarah Baartman      | 5          |           | 2         |          | 3              |          | 10             | 0         |
| <b>Eastern Cape</b> | <b>118</b> | <b>14</b> | <b>99</b> | <b>5</b> | <b>83</b>      | <b>3</b> | <b>300</b>     | <b>22</b> |

In the past 15 days, 22 of the 300 PMTs tested positive for SARS-Cov-2. Alfred Nzo, Chris Hani and Joe accounted for 260 PMTs (86,7%). The 22 confirmed cases were from Alfred Nzo, Chris Hani and Joe Gqabi districts. There was an improvement in the number of PMT in Amathole and OR Tambo.



## 7.6. Deaths by health facilities



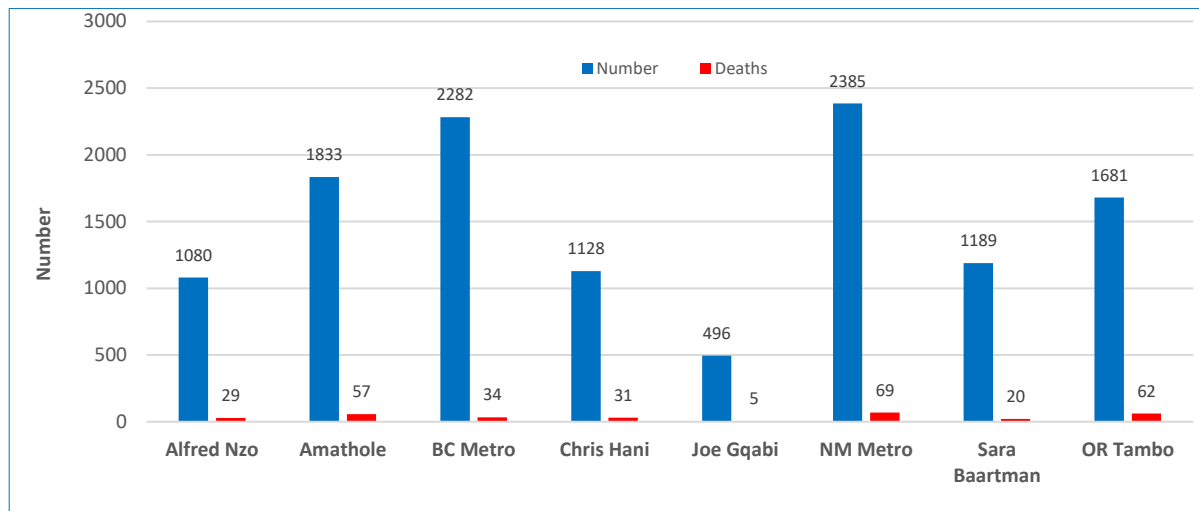
**Fig. 24. Number of SARS-Cov-2 related deaths by the facility, as of 07<sup>th</sup> June 2021**

Fifty-five percent (55%) of the deaths occurred in 13 hospitals, i.e., 8 public and 5 private sectors. The public hospitals include Frere, Livingstone, CMH, Dora Nginza, Frontier, Mthatha, Uitenhage, and Butterworth hospitals. And the private hospitals include Netcare Greenacres, Life St. Dominics, Mercantile, Life St Georges, and Netcare Cyler hospitals. These hospitals reported more than 200 deaths from the beginning of the pandemic. Only hospitals with a minimum of 20 deaths are included in the above-mentioned figure.

## 6. HEALTHCARE WORKERS

### 6.1. Cases and deaths among healthcare workers (HCWs)

The number of HCWs who tested SARS-Cov-2 positive was 12,074 and 307 persons demised.



**Fig. 25. SARS-Cov-2 positive Healthcare Workers, as of 03 May 2021 (N = 12,074)**

The number of healthcare workers who tested positive for SARS-Cov-2 in Nelson Mandela Metro was 2,385 (69 deaths), Buffalo City Metro 2,282 (34 deaths), Amathole 1,833 (57 deaths), OR Tambo 1,681 (62 deaths), Sarah Baartman 1189 (20 deaths), Chris Hani 1,128 (31 deaths) and Alfred Nzo 1,080 cases (29 deaths).

### 6.2. SARS-Cov-2 Cases by job category

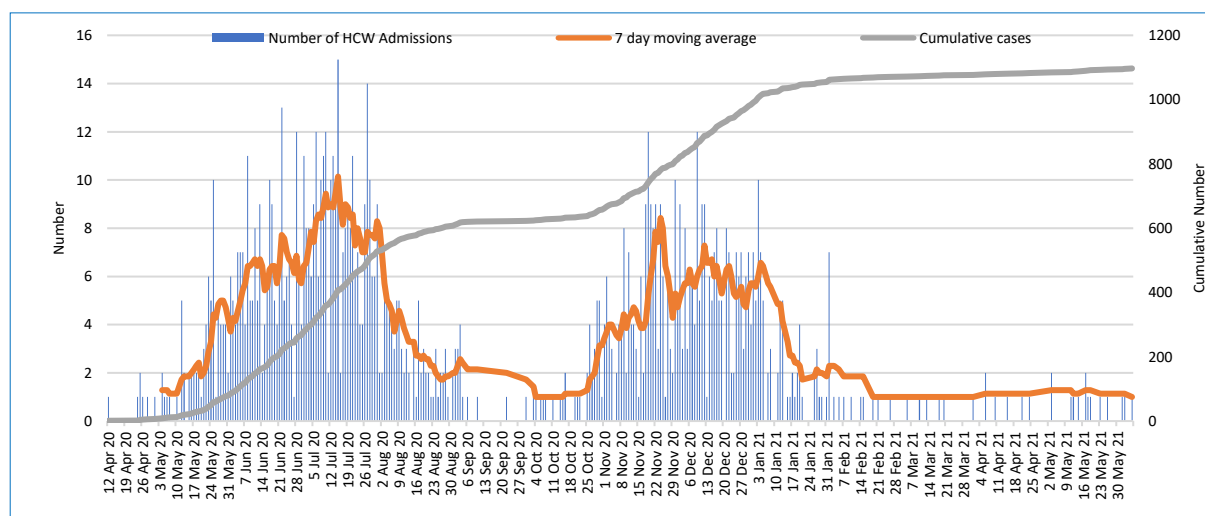
The table below provides the number of selected healthcare professionals employed by the State and SARS-Cov-2 cases by job categories, and the positivity rate of that job category.

|                            | Population | Cases | Positivity Rate (%) |
|----------------------------|------------|-------|---------------------|
| Admin                      | 12434      | 816   | 6,6                 |
| Allied Professionals       | 3041       | 235   | 7,7                 |
| Doctors & Clinical Assoc   | 2369       | 459   | 19,4                |
| Nurses                     | 20650      | 5026  | 24,3                |
| Emergency Medical Services | 2498       | 298   | 11,9                |

The positivity rate among the nurses was 24,3%, followed by doctors and clinical associates (19,4%), allied professionals (7,7%), EMS (11,9%), and admin personnel (6,6%). 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 cumulative number of admissions was 1,097 health workers. From January to date, 113 healthcare workers were hospitalized, i.e. 72 in January, 16 on February, 5 in March, 7 in April, and 11 in May and 3 in June. The last admission was on the 05<sup>th</sup> of June 2021. In the last 48 hours, there were no new admissions of HCWs.

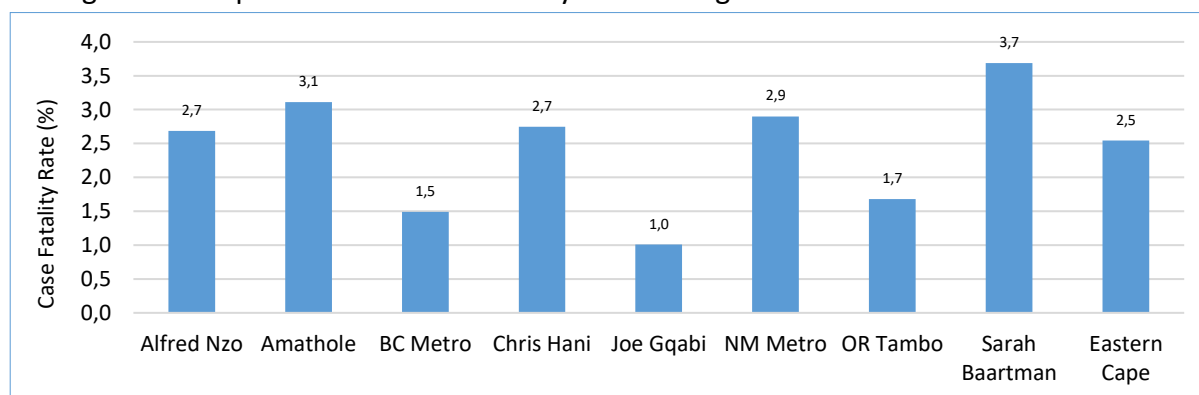


**Fig. 26. No. of SARS-Cov-2 related admissions of healthcare workers, as of 07<sup>th</sup> June 2021**

This graph appears to be mimicking the epi-curve and admissions of the general population including during the first and the second waves. There was less hospitalization of HCWs from February to date compared to January.

### 6.4. Case Fatality Rate (%) among HCWs

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



**Fig. 27. SARS-Cov-2 Case Fatality Rate (%) among HCWs, as of 24 May 2021 (N=307)**

The case fatality rate among healthcare workers was 2,5%. More than 1% case fatality was reported 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

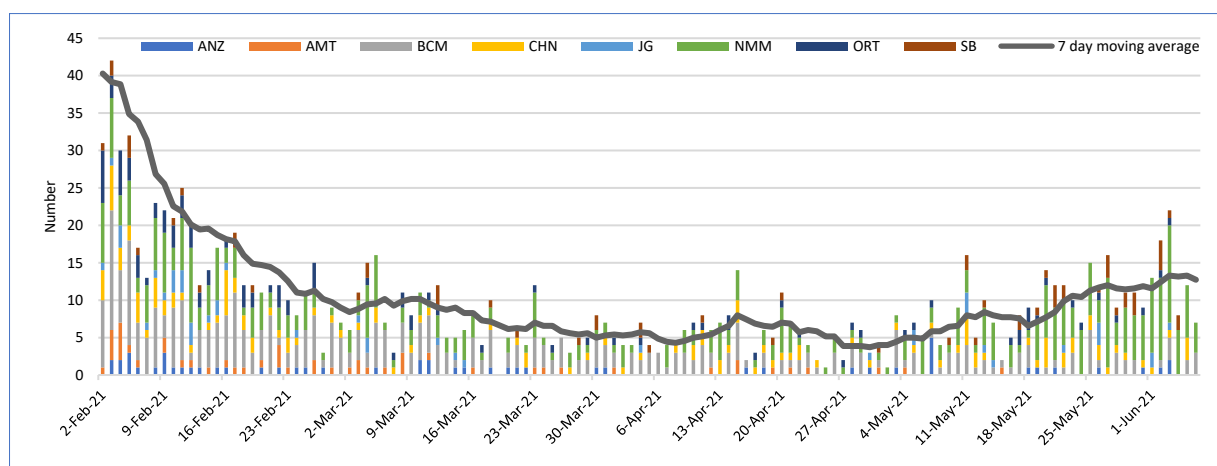
The cumulative number of hospitalizations was 31,957, i.e., 22,258 (69,6%) in public and 9,669 (30,4%) in private. Sixty-five percent (64,9%), i.e., 20,730 of hospitalized patients were discharged alive and 13, 464 (64,9%) occurred in public sector. Thirty percent (29,7%) of hospitalized cases, i.e., 9,486 demised and 7,188 (75.8%) occurred in public sector facilities.

| Districts                | Public       | Private     | Total        | Died        | Currently Admitted | Currently in ICU | Currently Ventilated | Currently Oxygenated | Admitted in past day |
|--------------------------|--------------|-------------|--------------|-------------|--------------------|------------------|----------------------|----------------------|----------------------|
| Alfred Nzo               | 1683         | 107         | 1790         | 422         | 4                  |                  |                      | 2                    |                      |
| Amathole                 | 2363         | 0           | 2363         | 889         | 0                  |                  |                      |                      |                      |
| Buffalo City Metro       | 4255         | 3181        | 7436         | 2098        | 26                 | 5                | 1                    | 7                    | 3                    |
| Chris Hani               | 2579         | 746         | 3325         | 1160        | 11                 | 0                |                      | 7                    |                      |
| Joe Gqabi                | 723          | 0           | 723          | 328         | 5                  |                  |                      | 1                    |                      |
| Nelson Mandela Bay Metro | 6676         | 4608        | 11284        | 2883        | 87                 | 19               | 15                   | 6                    | 4                    |
| O R Tambo                | 2363         | 902         | 3265         | 1138        | 2                  |                  |                      |                      |                      |
| Sarah Baartman           | 1616         | 155         | 1771         | 568         | 7                  | 0                |                      | 4                    |                      |
| <b>Eastern Cape</b>      | <b>22258</b> | <b>9699</b> | <b>31957</b> | <b>9486</b> | <b>142</b>         | <b>24</b>        | <b>16</b>            | <b>27</b>            | <b>7</b>             |

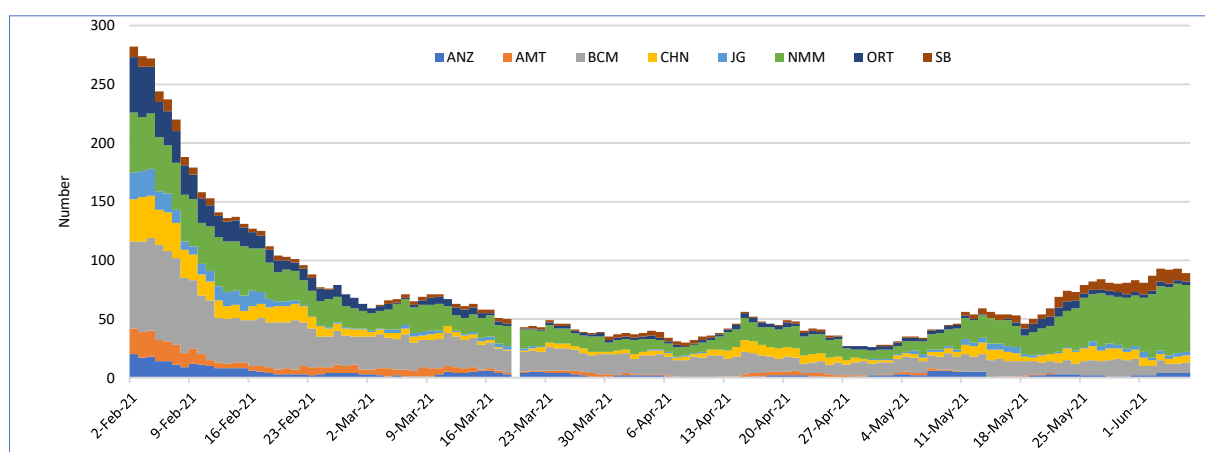
Of the 142 currently admitted (96 in private and 46 in public), 87 (61,3%) were from NM Metro. In the past day, 7 admissions occurred in BC Metro (3) and NM Metro (4).

| Eastern Cape          | Public | Private | Total |
|-----------------------|--------|---------|-------|
| Cumulative Admissions | 22258  | 9699    | 31957 |
| Died                  | 7188   | 2298    | 9486  |
| Discharged Alive      | 13464  | 7266    | 20730 |
| Transferred Out       | 1550   | 35      | 1585  |
| Currently Admitted    | 46     | 96      | 142   |
| In ICU                | 0      | 24      | 24    |
| In High Care          | 1      | 6       | 7     |
| In General            | 45     | 66      | 111   |
| On Oxygen             | 18     | 9       | 27    |
| Ventilated            | 4      | 12      | 16    |

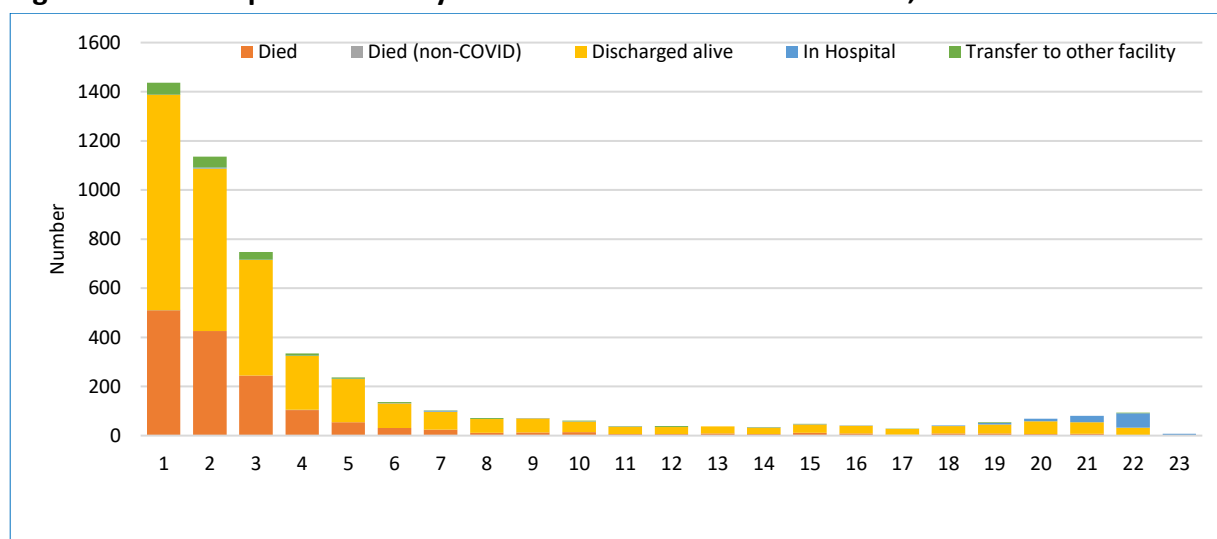
There were 111 cases (78,2%) were admitted in the General Ward (66 in private & 45 in public sector); 24 cases (16,9%) in ICU (in private); 7 cases (4,9%) in High Care (1 in public & 6 in private); 27 cases (19,0%) on oxygen (18 in public & 9 in private) and 16 cases (11,3%) was on ventilation (4 in public and 12 in private sector).



**Fig. 28. Average (7 days moving) daily admissions by districts, as of 07<sup>th</sup> June 2021 (DATCOV)**



**Fig. 29. No. of hospitalizations by date of admission for each district, as of 02 June 2021**

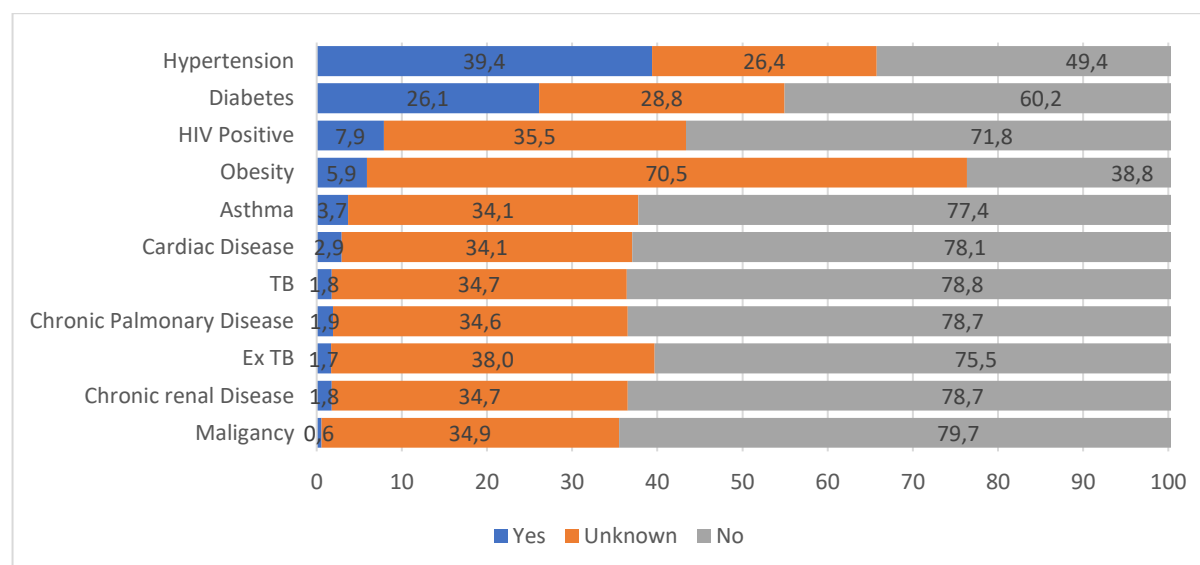


**Fig. 30. Hospitalizations & outcomes by admission week, as of 02 June 2021 (DATCOV)**

The number of currently hospitalized patients remained low since week 8 of this year.

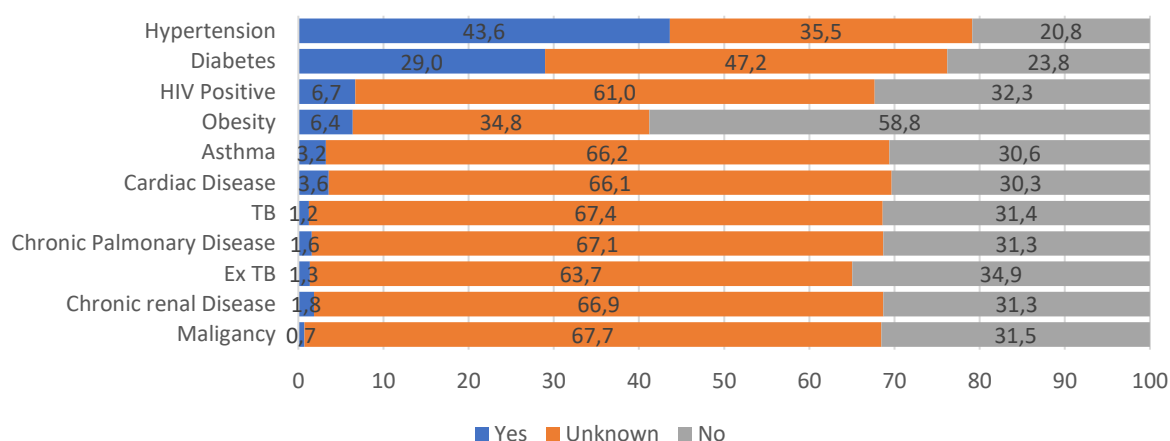
## 7.2. Co-morbidities among admitted cases and deaths

The most common co-morbidities among the hospitalized SARS-Cov-2 patients were hypertension (39.4%) and diabetes (26.1%) among hospitalized SARS-Cov-2 cases. Two other commonly reported co-morbidities HIV (7.9%), obesity (5.9%) and asthma (3.7%).



**Fig. 31. Co-morbidities among SARS-Cov-2 hospitalizations, as of 02 June 2021 (DATCOV)**

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



**Fig. 32. Co-morbidities among SARS-Cov-2 cases who demised, as of 02 June 2021 (DATCOV)**

The most common comorbidities among those cases that demised in the hospital include hypertension (43.6%) and diabetes (29%). Other 4 co-morbidities were reported, i.e. HIV (6.7%), obesity (6.4%), cardiac diseases (3.6%), and asthma (3.2%).



3 577 773

No Screened



996 541

Total Lab Tests



198 739

Positive Cases



185 995

Recoveries



11 673

Deaths

| DISTRICT             | TOTAL SCREENED | TOTAL TESTED | TOTAL CASES | RECOVERIES | DEATHS | ACTIVE CASES | AREAS   |
|----------------------|----------------|--------------|-------------|------------|--------|--------------|---|
| ALFRED NZO           | 694 706        | 34 033       | 8 064       | 7 555      | 500    | 9            | Badibanise,Bhakubha,Bizana,Brooksnek,Cedarville,Chithwa,Dutyini,Emanxiweni,Ezinteteni,Kokstad,Lucingweni,Ma-luti, Mandileni , Matatiele,Mount Ayliff, Mount Frere , Ndlantana, Ngcingo , Ntabakhulu, Sugar Bush, Tabankulu  |
| AMATHOLE             | 658 126        | 83 782       | 19 429      | 18 310     | 1111   | 8            | 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        | 165 066      | 39 306      | 36 830     | 2365   | 111          | Abbottsford, Amalinda , Beacon Bay, Bisho, Braelyn, Buffalo Flats, Dimbaza, Duncan Village, East London, Gins-berg, 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, Zwaitsha   |
| CHRIS HANI           | 515 346        | 74 731       | 19 875      | 18 209     | 1611   | 55           | Bankies, Dordrecht, Dukathole, Ekunene, Ezibeleni, Kwanobuhle, Mcwangele, Madeira Park, New Rest, Ngcobo, Nkonyama, Popcorn Valley, Qebe, Qoqodala, Queenstown, Sigadleni, Vaalbank, Sada, Middleburg, Thornhill, Ndzamel, Mtungisi,Westbourne,Ntlonze, Maya Village,Ekuphumleni, TopTown, Vleipoot, Zola   |
| JOE GGABI            | 87 855         | 30 590       | 7 769       | 7 224      | 500    | 45           | Aliwal North, Barkley East, Bhodi, Land Camp, Ugie, Inglewood, Maclear, Solomzi, Sunduza,Robbenn,Venterstad   |
| NELSON MANDELA METRO | 856 883        | 240 284      | 57 785      | 53 701     | 3352   | 732          | Algoa Park, Bethelsdorp, Bloemendal, Bluewater Bay, Boosens 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        | 99 603       | 22 513      | 21 126     | 1383   | 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, Ziphuzana  |
| SARAH BAARTMAN       | 288 877        | 107 570      | 22 192      | 21 237     | 851    | 104          | Aberdeen,Alexandria, Graaf-Reinet, Grahamstown, Jeffrey's Bay, Joubertina, Humansdorp, Parson, St. Francis Bay, Kirkwood, Lotusville, Bergendal, Bratenfel, Joza, Santaville, Somerset East, Thornhill, Willomore   |
| IMPORTED*            | -              | 0            | 680         | 677        | 0      | 3            | Bloemfontein, Ceres, Cape Town, Dunoon, Fishoek, George, Green Point, Gugulethu, Hout Bay, Langa, Khayelitsha, Knysna, Phillipi, Stellenbosch, Strand   |
| PENDING              | -              | 160 882      | 1126        | 1126       | 0      | 0            |   |
| GRAND TOTALS         | 3 577 773      | 996 541      | 198 739     | 185 995    | 11 673 | 1 071        |   |

## ACKNOWLEDGEMENTS

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

| PROVINCE                             |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 89      | 120     | 34,8     |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 12,19   | 19,50   | 60,0     |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 118     | 141     | 19,5     |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,13    | 0,19    | 46,2     |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 8,2     |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 177     |          |                 | There should be 5 tests for each positive case per 100000 population       |

| ALFRED NZO                           |  |         |         |          |                 |   |
|--------------------------------------|--|---------|---------|----------|-----------------|---|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target  |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 1       | 2       | 100,0    |                 | < 10% increase from previous week   |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 0,24    | 1,00    | 316,7    |                 | < 10% increase from previous week   |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 3       | 4       | 33,3     |                 | < 10% increase from previous week   |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,12    | 0,12    | 0,0      |                 | < 10% increase from previous week   |
| All cause mortality                  |  |         |         |          |                 |   |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 1,2     |          |                 | Positivity rate rising above 20% in a geographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 81      |          |                 | There should be 5 tests for each positive case per 100000 population        |

| AMATHOLE                             |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 0       | 2       | infinity |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 1,13    | 1,10    | -2,7     |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 0       | 0       | 0,0      |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,00    | 0,00    | 0,0      |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 3,4     |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 29      |          |                 | There should be 5 tests for each positive case per 100000 population       |



| BUFFALO CITY METRO                   |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 6       | 13      | 116,7    |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 6,89    | 14,40   | 109,0    |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 23      | 23      | 0,0      |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,13    | 0,00    | -100,0   |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 11,2    |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 100     |          |                 | There should be 5 tests for each positive case per 100000 population       |

| CHRIS HANI                           |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 7       | 8       | 14       |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 7,77    | 9,50    | 22       |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 14      | 8       | -43      |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,55    | 0,27    | -51      |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 5,3     |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 105     |          |                 | There should be 5 tests for each positive case per 100000 population       |

| JOE QQABI                            |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 5       | 8       | 60       |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 7,58    | 13,40   | 77       |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 3       | 5       | 67       |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,21    | 0,58    | 176      |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 13,5    |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 114     |          |                 | There should be 5 tests for each positive case per 100000 population       |

| NELSON MANDELA BAY                   |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 59      | 81      | 37,3     |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 45,18   | 76,60   | 69,5     |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 65      | 91      | 40,0     |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,08    | 0,41    | 412,5    |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 16,6    |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 294     |          |                 | There should be 5 tests for each positive case per 100000 population       |

| OR TAMBO                             |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 0       | 3       | infinity |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 0,20    | 0,30    | 50,0     |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 6       | 2       | -66,7    |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,00    | 0,13    | infinity |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 0,8     |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 71      |          |                 | There should be 5 tests for each positive case per 100000 population       |

| SARAH BAARTMAN                       |  |         |         |          |                 |  |
|--------------------------------------|--|---------|---------|----------|-----------------|--|
| Indicator                            | Description  | week 21 | week 22 | % change | Phase/Threshold | Target   |
| New cases (seven day moving Average) | COVID-19 cases (percentage change from previous week)                          | 11      | 14      | 27,3     |                 | < 10% increase from previous week  |
| Active cases incidence               | Active COVID-19 cases per 100 000 population                                   | 25,20   | 27,30   | 8,3      |                 | < 10% increase from previous week  |
| Current COVID-19 hospital admissions | Current COVID-19 hospital admissions (Public and Private)                      | 4       | 8       | 100,0    |                 | < 10% increase from previous week  |
| COVID-19 mortality                   | COVID-19 deaths in the last 7 days   | 0,21    | 0,21    | 0,0      |                 | < 10% increase from previous week  |
| All cause mortality                  |  |         |         |          |                 |  |
| Positivity Rate                      | Percentage of positive tests of all tests conducted within a geographical area |         | 10,8    |          |                 | Positivity rate rising above 20% in ageographical area constitute an alert |
| Testing rate                         | Number of tests/ 100000 population   |         | 178     |          |                 | There should be 5 tests for each positive case per 100000 population       |