

# KwaZulu-Natal Department of Health COVID-19

## Situation report : 3 April 2020

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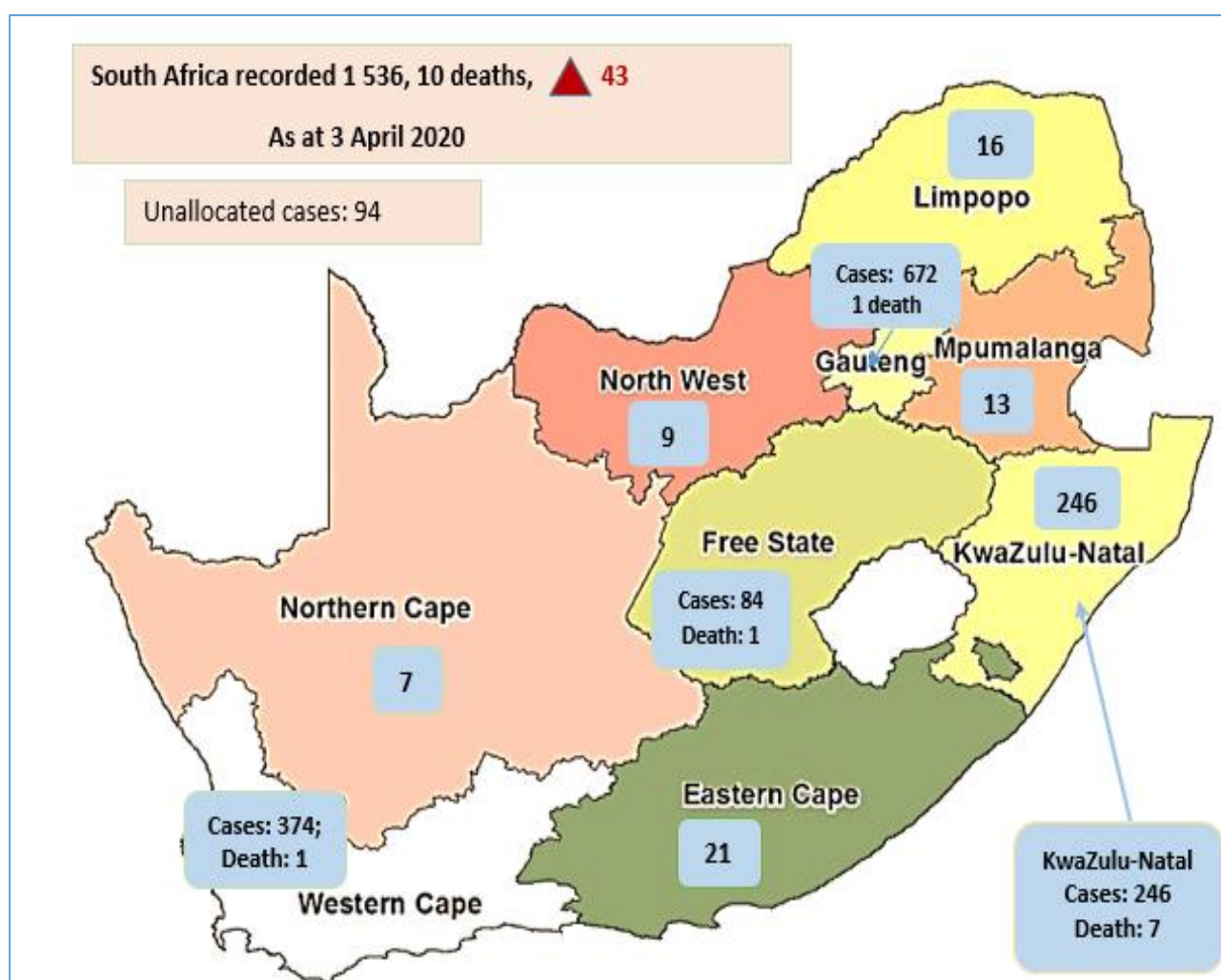


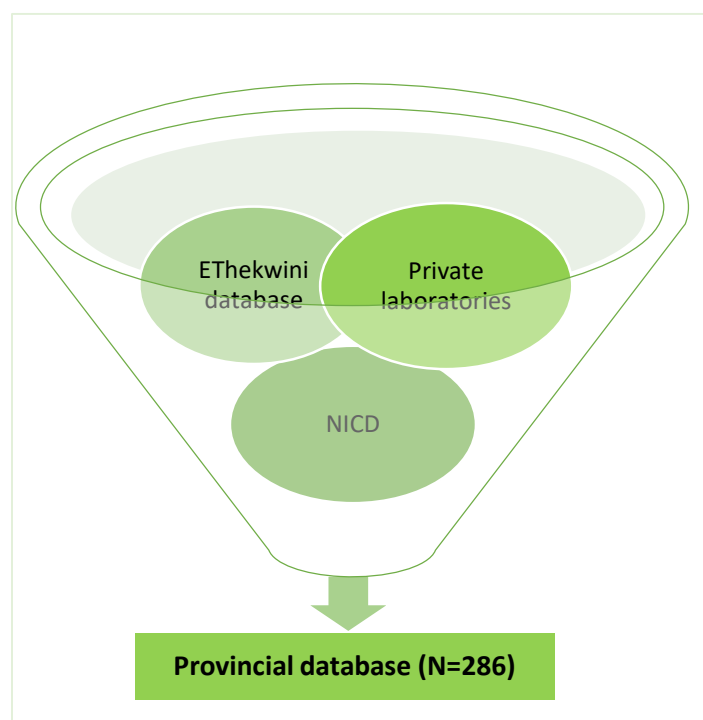
Figure 1: Number of laboratory confirmed cases, South Africa, 5 March-3 April 2020 (N=1 536)

## Highlights

- The province recorded seven deaths since the beginning of the pandemic. Over half (n=4) of all the provincial deaths occurred in St Augustines Hospital in eThekweni district. Eleven health care workers (n=11) from the same hospital tested positive for SARS-Cov2.

### Triangulation of data from various data sources:

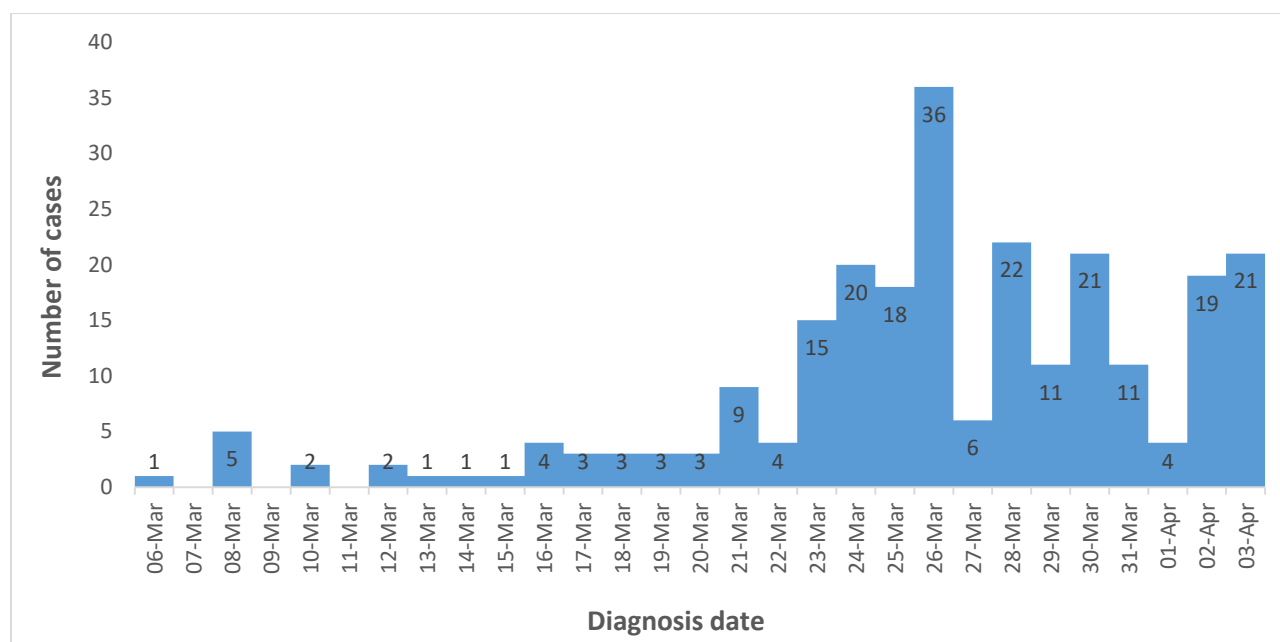
- On 3 April 2020, KwaZulu-Natal provincial war room team members visited eThekweni Metro Municipality to resolve data issues. During discussion, the team discovered that the district had number of patients who do not appear on the provincial database. Both the district and provincial teams triangulated the data.
- Data will be triangulated from the following sources:
  - a. National Institute for Communicable Diseases
  - b. Ethekeeni Metro Municipality database
  - c. Results from private laboratories which are submitted directly to KwaZulu-Natal provincial CDC coordinator



### Outcome of triangulation process:

- A provincial database with all the cases from both private and public laboratories.
- Improved data quality
- True burden of COVID-19 in KwaZulu-Natal Province (N=286)
- Allocation of patients to different districts
- Improved epidemiologic curve

**Figure 2:** Triangulation of data sources of laboratory-confirmed COVID-19 cases, KwaZulu-Natal, 5 March-3 April 2020.



**Figure 3:** Epidemic curve of laboratory-confirmed COVID-19 confirmed cases by date of reporting, KwaZulu-Natal, 5 March-3 April 2020 (n=246).

### Distribution of cases by district

There are patients who were tested by the private (Lancet and Ampath) laboratories that are not on the database provided by the NICD daily. Most of the patients have laboratory results that are not accompanied by case investigation forms. These contributed to incompleteness of data and inability to successfully trace contacts. Details of this patients will be submitted to national in order to ensure completeness of data. The cases were also not allocated to the districts due to incomplete demographic data.

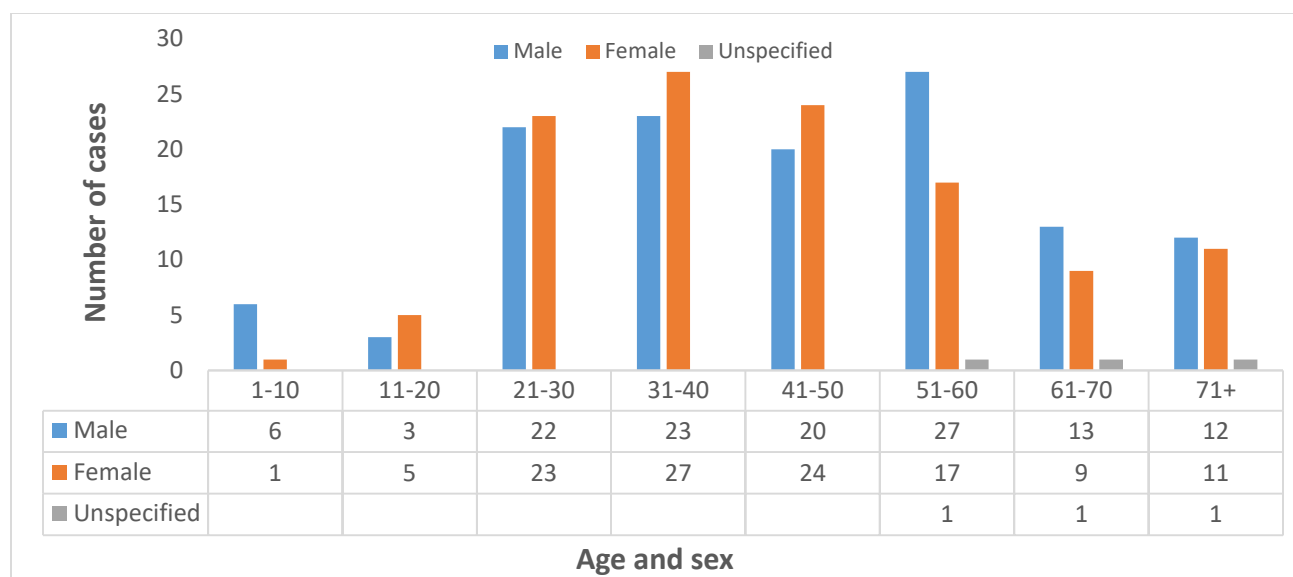
EThekweni Metro Municipality continues to be the district with highest frequency of COVID-19 cases in the Province. The district recorded over half of the COVID-19 cases. Harry Gwala and Zululand districts has one case since the beginning of the pandemic (Table 1).

**Table 1:** Distribution of COVID 19 cases by district, KwaZulu-Natal, 5 March-3 April 2020 (n=246)

District	Confirmed cases, 5 March-2 April 2020	New cases, 3 April 2020	Number of deaths	Total cases, 5 Mar-3 April 2020, n (%)
Amajuba	8	0	0	8 (3.2)
Ethekwini	115	20	5	135 (54.8)
King Cetshwayo	8	1	0	9 (3.6)
Harry Gwala	1	0	0	1 (0.4)
Ilembe	14	0	1	14 (5.7)
Ugu	11	0	0	11 (4.5)
UMgungundlovu	34	0	0	34 (13.8)
UMkhanyakude	21	0	0	21 (8.5)
UMzinyathi	2	0	0	2 (0.8)
UThukela	10	0	1	10 (4.1)
Zululand	1	0	0	1 (0.4)
<b>Total</b>	<b>225</b>	<b>21</b>	<b>7</b>	<b>246</b>
Unallocated cases in KZN = 40				

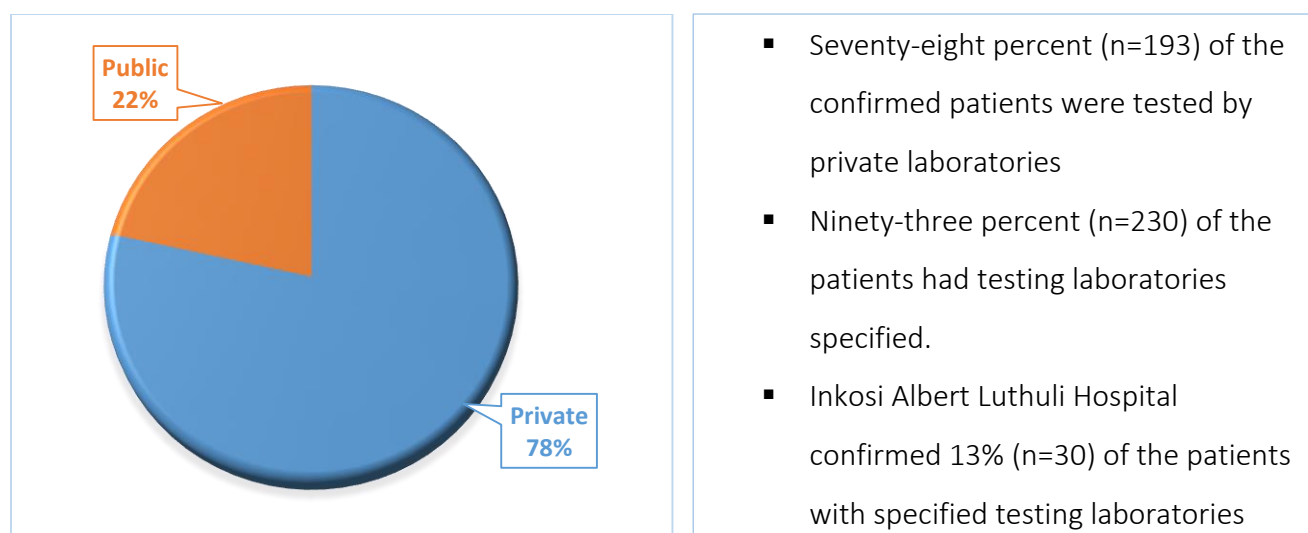
### Distribution of cases by age and sex

The disease is distributed among all age groups including seven children (3%) below 10 years. The median age is 45 years (range 2-87). Over half of the COVID-19 patients are male. There are three patients with unspecified sex (Figure 3).



**Figure 4:** Age and sex distribution of laboratory-confirmed COVID-19 cases, KwaZulu-Natal, 5 March-3 April 2020 (n=246)

#### Types of testing laboratories for COVID-19 patients

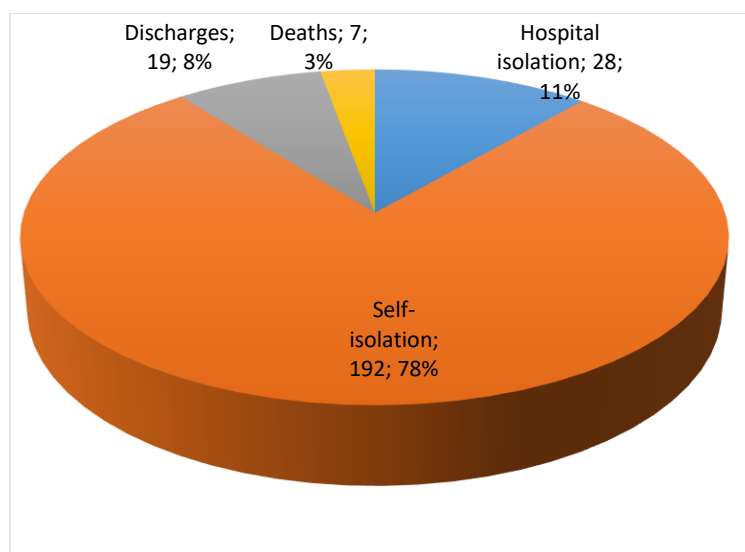


**Figure 4:** Type of laboratory testing for COVID-19, KwaZulu-Natal, 5 March-3 April 2020 (n=246)

#### Admissions and outcomes

The province have a total of 28 patients admitted in both private (n=8) and public (n=20) hospitals. Two of the admitted patients (7%) are in intensive care unit (Midlands Medical Centre and Inkosi Albert Luthuli Hospital). The province discharged 40% (n=19/47) of the hospitalized cases since the beginning of the pandemic.

- The province recorded its first death on 28 March 2020 from Lavergho Hospital, Uthukela district.
- This was the second death reported in the country following Western Cape



**Figure 5:** Admissions and outcomes of laboratory-confirmed COVID-19 patients, KwaZulu-Natal, 5 March-3 April 2020 (n=246)

**Table 2:** Number of admissions for laboratory-confirmed patients by hospital, KwaZulu-Natal, 2 April 2020

Hospital	Number of cases, n=28 (%)
Greys	3 (10.7)
Addington	6 (21.4)
Manguzi	4 (14.2)
Ngwelezana	2 (7.1)
Midlands Medical Centre	3 (10.7)
St Augustines	5 (17.8)
IALCH	1 (3.6)
Clairwood	3 (10.7)
Umhlanga	1 (3.6)
<b>Total</b>	<b>28 (100)</b>

#### Key indicators for KwaZulu-Natal Province

Key indicators	No. of cases	Comment
No tested Nationally	47541	
NHLS Nationally	6000	

No tested Provincially	Awaiting from NICD	
<b>Tests done at provincial level</b>		
No of people tested (contacts)	485	
No. of people tested positive (contacts)	29	
No. of people tested negative	313 (NICD database)	This excludes the negative tests done by private laboratories
No. of deaths	7	
No. of recoveries	19	

**Table 2:** Number of contacts traced and samples collected, KwaZulu-Natal, 5 March-3 April 2020

Case number	No. of contacts	Contacts monitored	Monitoring in progress	Completed 14 days	Samples collected	COVID-19 Positive contacts	Patient days	Final results
1	48	48	33	15	15	8	11	1 x Negative
2	10	10	5	5	9	0	8	Positive
3	20	20	19	1	9	0	8	Negative
4	13	13	12	1	9	0	8	Positive
5	43	43	18	25	13	1	8	Positive
6	19	4	9	10	4	0	8	Positive
7	30	30	30	0	11	0	12	Positive
8	12	4	4	0	8	0	12	2x Negative
9	5	5	5	5	5	0	13	2x negative
10	4	4	4	0	1	0	11	Positive
11	8	8	8	0	8	1	11	Positive
12	8	8	8	0	8	0	11	Positive
13	6	6	6	0	3	0	9	Negative
14	3	3	0	3	1	0	10	Positive
15	27	27	27	0	3	0	8	Positive
16	7	7	7	0	4	0	10	Positive
17	3	3	3	0	3	0	13	Negative
18	8	8	8	0	8	0	11	Positive
19	8	8	8	0	8	0	11	Positive
20	8	8	8	0	8	0	11	Positive
21	4	4	4	0	4	0	6	Positive
22	8	8	8	0	8	0	11	Positive
23	8	8	8	0	8	0	9	Positive
24	10	10	10	0	10	0	6	Positive
25	4	4	4	0	0	0	8	Positive
26	0	0	0	0	0	0	13	Positive
27	0	0	0	0	0	0	10	Positive
28	3	3	3	0	1	0	14	Positive



29	0	0	0	0	0	0	14	Positive
30	1	1	1	0	1	0	14	Positive
31	16	16	16	0	11	0	5	Positive
32	16	16	16	0	0	0	4	Positive
33	7	7	7	0	0	0	4	Positive
34	2	2	2	0	2	0	5	Positive
35	14	14	14	0	14	0	14	Positive
36	12	12	12	0	0	0	5	Unknown
37	0	0	0	0	0	0	9	Positive
38	3	3	3	0	3	0	5	Positive
39	4	4	4	0	4	0	3	Positive
40	10	10	10	0	1	0	4	Positive
41	5	5	5	0	5	0	11	Positive
42	7	7	7	0	1	1	8	Positive
43	7	7	7	0	1	1	8	Positive
44	7	7	7	0	1	0	11	Positive
45	5	5	5	5	5	5	5	1x Negative
46	6	6	6	0	6	0	3	Positive
47								Positive
48								Positive
49								Positive
50	0	0	0	0	0	0	0	Positive
51								Positive
52								Positive
53								Positive
54								Positive
55								Positive
56	41	41	41	0	14	0	5	Positive
57	1	1	1	0	1	0		Positive
58								Positive
59	16	16	16	0	0	0	3	Positive
60	4	4	4	0	0	0	3	Positive
61								Positive

62	58	58	58	0	0	0	4	Positive
63								Positive
64								Positive
65								Positive
66								Positive
67								Positive
68								Positive
69								Positive
70								Positive
71								Positive
72								Positive
73	2	2	2	0	2	0		Positive
74								Positive
75								Positive
76								Positive
77								Positive
78								Positive
79								Positive
80	0	0	0	0	0	0		Positive
81								Positive
82								Positive
83								Positive
84								Positive
85	17	17	17	0	1	0		Positive
86								Positive
87								Positive
88								Positive
89								Positive
90								Positive
91								Positive
92								Positive
93								Positive
94								Positive

95								Positive
96								Positive
97								Positive
98								Positive
99								Positive
100								Positive
101								Positive
102	72	72	72	0	72	0		Positive
103	3	3	3	0	3	0		Positive
104								Positive
105								Positive
106								Positive
107								Positive
108								Positive
109								Positive
110								Positive
111								Positive
112								Positive
113								Positive
114	20	20	20	0	0	0	0	Positive
115	6	6	1	0	0	0		Positive
116	2	2	0	0	2	0		Positive
117	2	2	2	0	2	0		Positive
118	1	1	1	0	1	0		Positive
119	1	1	1	0	1	0		Positive
120	1	1	1	0	1	0		Positive
121	6	6	6	0	6	0		Positive
122	1	1	1	0	1	0		Positive
123	3	3	3	0	3	0		Positive
124	3	2	3	0	1	0		Positive
125	2	2	2	0	2	0		Positive
126	22	22	22	0	0	0		Positive
127	13	13	13	0	13	0		Positive

128	1	1	1	0	1	0		Positive
139	3	3	3	0	3	0		Positive
130	10	10	10	0	10	4		Positive
131	2	2	2	0	2	0		Positive
132	1	1	1	0	1	0		Positive
133	3	3	3	3	0	0		Positive
134	1	1	1	0	1	0		Positive
135	2	2	2	0	2	0		Positive
136	1	1	1	0	1	0		Positive
137	1	1	1	0	0	0		Positive
138	6	6	6	0	6	3		Positive
139	1	1	1	0	1	0		Positive
140	6	6	6	0	6	0		Positive
141	1	1	1	0	1	0		Positive
142	3	3	3	0	3	0		Positive
143	19	19	19	0	19	0		Positive
144	9	9	9	0	9	0		Positive
145	9	9	9	0	9	3		Positive
146	11	11	11	0	11	2		Positive
147	5	5	5	0	5	0		Positive
148	1	1	1	0	1	0		Positive
149	5	5	5	0	5	0		Positive
150	5	5	5	0	0	0		Positive
151	8	8	8	0	0	0		Positive
152	5	5	5	0	0	0		Positive
153	30	30	30	0	0	0		Positive
154	3	3	3	0	0	0		Positive
155	10	10	10	0	10	0		Positive
156	16	16	16	0	16	0		Positive
157	3	3	3	0	3	0		Positive
158	2	2	2	0	2	0		Positive
159	1	1	1	0	1	0		Positive
160	1	1	1	0	1	0		Positive

161	8	8	8	0	8	0		Positive
162	5	5	5	0	5	0		Positive
163	1	1	1	0	1	0		Positive
164	2	2	2	0	2	0		Positive
165	5	5	5	0	5	0		Positive
166	3	3	3	0	3	0		Positive
167	2	2	2	0	2	0		Positive
168	3	3	3	0	3	0		Positive
169	5	5	5	0	5	0		Positive
170	2	2	2	0	2	0		Positive
171	4	4	4	0	4	0		Positive
172	3	3	3	0	3	0		
173	1	1	1	0	1	0		Positive
174	4	4	4	0	4	0		Positive
175	6	6	6	0	6	1		Positive
176	4	4	4	0	4	0		Positive
177	3	3	3	0	3	0		Positive
178	10	10	10	0	10	0		Positive
179	2	2	2	0	2	0		Positive
180	6	6	6	0	6	0		Positive
181	3	3	3	0	3	0		Positive
182	2	2	2	0	2	0		Positive
183	7	7	7	0	7	0		Positive
184	4	4	4	0	4	0		Positive
185	4	4	4	0	4	0		Positive
186	5	5	5	0	5	0		
187	6	6	6	0	6	0		Positive
188	3	3	3	0	3	0		Positive
189	2	2	2	0	2	0		Positive
190	2	2	2	0	2	0		Positive
191	4	4	4	0	4	4		Positive
192	2	2	2	0	2			Positive
193	1	1	1	0	1	0		Positive

194	2	2	2	0	2	0		Positive
195	4	4	4	0	4	0		Positive
196	4	4	4	0	4	0		Positive
197	2	2	2	0	2	0		Positive
198	6	6	6	0	6	0		Positive
199	1	1	1	0	1	0		Positive
200	3	3	3	0	3	0		
201	7	7	7	0	7	0		Positive
202	3	3	3	0	3	0		Positive
203	3	3	3	0	3	0		Positive
204	3	3	3	0	3	0		Positive
205	3	3	3	0	3	0		Positive
206	5	5	5	0	5	1		Positive
207	1	1	1	0	1	0		Positive
208	3	3	3	0	3	0		Positive
209	3	3	3	0	3	1		Positive
210	1	1	1	0	1	0		Positive
211	4	4	4	0	4	0		Positive
212	4	4	4	0	4	0		Positive
213	5	5	5	0	5	0		Positive
214	7	7	7	0	7	0		Positive
215	11	11	11	0	11	0		Positive
216	2	2	2	0	2	0		Positive
217	2	2	2	0	2	0		Positive
218	4	4	4	0	4	0		Positive
219	1	1	1	0	1	0		Positive
220	2	2	2	0	1	0		Positive
221	3	3	3	0	3	0		Positive
222	4	4	4	0	4	0		Positive
223	2	2	2	0	2	0		Positive
224	4	4	4	0	4	0		Positive
226	3	3	3	0	3	0		Positive
<b>Total</b>	<b>1212</b>	<b>1166</b>	<b>1093</b>	<b>73</b>	<b>718</b>	<b>29</b>		

## COVID 19 BED OCCUPANCY STATUS

No	Health Facility	Manager and Contact Number	Reporting Time	Number of isolation beds occupied	Number of isolation beds available	Number of admissions	Number of discharges	Number of deaths
1.	Greys Hospital	Mrs. KT McKenzie Nursing Manger: 0338973331/ 16	16:00	3	2+1 ICU	0	2	0
Comments:								

No	Health Facility	Manager and Contact Number	Reporting Time	Number of isolation beds occupied	Number of isolation beds available	Number of admissions	Number of discharges	Number of deaths
2.	Addington Hospital	Mrs B Ndhlovu Nurse Manager: 0313272000	16:00	6	1 +1 reserved for ICU	0	0	0
Comments: N/A								

No	Health Facility	Manager and Contact Number	Reporting Time	Number of isolation beds occupied	Number of isolation beds available	Number of admissions	Number discharge d	Number of deaths
3.	Manguzi Hospital	Dr. Marc Blaylock – Medical Manager: 0834800311	16:00	4	0	0	0	0
Comments:								

No.	Health Facility	Manager and Contact Number	Reporting Time	Number of isolation beds occupied	Number of isolation beds available	Number of admissions	Number of discharges	Number of deaths
4.	Ngwelezana Hospital	Dr. R Moeketsi – Medical Manager: 0359017260	16:00	2	4	0	0	0

Comments: N/A

No.	Health Facility	Manager and Contact Number	Reporting Time	Number of isolation beds occupied	Number of isolation beds available	Number of admissions	Number of discharges	Number of deaths
5.	Clairwood hospital	Ms N. Linda Nurse Manager 0822949353	16:00	3	46	0	0	0

Comments:

18+1  
IALCH  
ICU=99

55

QUARANTINE FACILITIES 03/04/2020								
Name of facility	Number of quarantine beds	Contact person	Occupied beds	Gender		Discharges	Confirmed	Available
				M	F			
Doris Goodwin	14	Ms Van der Broeck 033 327 3500	2	1	1	0	negative	12
Emmaus Hosp	20	Ms Van der plank 036 488 1570	1	1	0	0	0	19
St Chads CHC	1	Ms Ndlovu C 036 637 9600	0	0	0	0	0	
Murchison	4	Ms Mkhwanazi C 039 687 7311	1	1	0	0	0	3
St Andrews	4	Ms Singh M 039 433 1955	0	0	0	0	0	
Othobothini CHC	10	Ms Mthethwa N	0	0	0	0	0	
Eshowe	4	Ms Dube N 035 473 4500	0	0	0	0	0	
UMphumulo	10	Mr Mbele NA 032 481 4199	0	0	0	0	0	



UNTunjambili	12	Mr Mthimkhulu 033 444 1259	0	0	0	0	0	
Manguzi	10	Ms Tembe 035 592 0150	0	0	0	2 Neg	0	10
Ladysmith	18	Ms Buthelezi TN 036 637 2347	1	0	1	0	0	17
EG&Usher	2	Mr Mbali M 039 797 8104	0	0	0	0	0	
Rietvlei	20	Mr Mbatha M 039 260 5205	0	0	0	0	0	
Christ the King	2	Ms Mthembu I 039 834 7503	0	0	0	0	0	
St Appolonaris	2	Ms Khumalo T 039 833 8000	0	0	0	0	0	
Clairwood	113	Ms Linda N 031 451 5000	0	0	0	0	0	
Mosvold	14	Ms Dlamini T 035-591 0122	0	0	0	0	0	
Hlabisa	20	Mr Mkhwanazi S 035 838 8690	0	0	0	0	0	
Mseleni	14	Ms Sibisi T 035-574 1004	0	0	0	0	0	
Bethesda	12	Ms Mkhwanazi M 035 595 3100	0	0	0	0	0	
Catherine booth	12	Ms Mbonambi Z 035 474 8407	0	0	0	0	0	
Mbongolwana	4	Ms Mthembu Z 035 476 6242	0	0	0	0	0	
St Marys KwaMagwaza	10	Ms Buthelezi P 035 450 8200	0	0	0	0	0	
Queen Nandi	4	Ms Mtshali EPN 035 907 7005	0	0	0	0	0	
Ekhombe	8	Ms Ntuli L 035 843 8005	0	0	0	0	0	
Nkandla	3	Ms Nguse S 035 833 5109	1	0	1	1	0	2
Ntambanana clinic	16		0	0	0	0	0	
Dundee	12	Ms Mkhize T 034 212 1111	0	0	0	0	0	
COSH	6	Ms Mabaso SZ 034 413 4010	0	0	0	0	0	
CJM	16	Ms Kunene N 034 271 6400	0	0	0	0	0	
Newcastle	12	Ms Ndumo M 034 328 2491	0	0	0	0	0	

Greytown	13	Ms Nkala L. 033 413 9400	0	0	0	0	0	
Madadeni	12	Ms Gumede Z 034 328 8150	2	1	1	0	0	10
King Dinuzulu	118	Dr Dlamini Z 031 242 6036	0	0	0	0	0	
Edendale hospital	23	Ms Masemola S 033 395 4349	1	1	0	1 neg	0	22

### Acknowledgements

World Health Organization

National Department of Health

KwaZulu-Natal Department of Health

National Institute for Communicable Diseases

KwaZulu-Natal Nursing Department

Centre for Disease Control and Prevention

University of KwaZulu-Natal

