

# KwaZulu-Natal Department of Health COVID-19 Situation report: 12 April 2020

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**South Africa recorded 2 171, 27 deaths,  $\Delta$  143**

Unallocated patients: 15

**As at 12 April 2020**

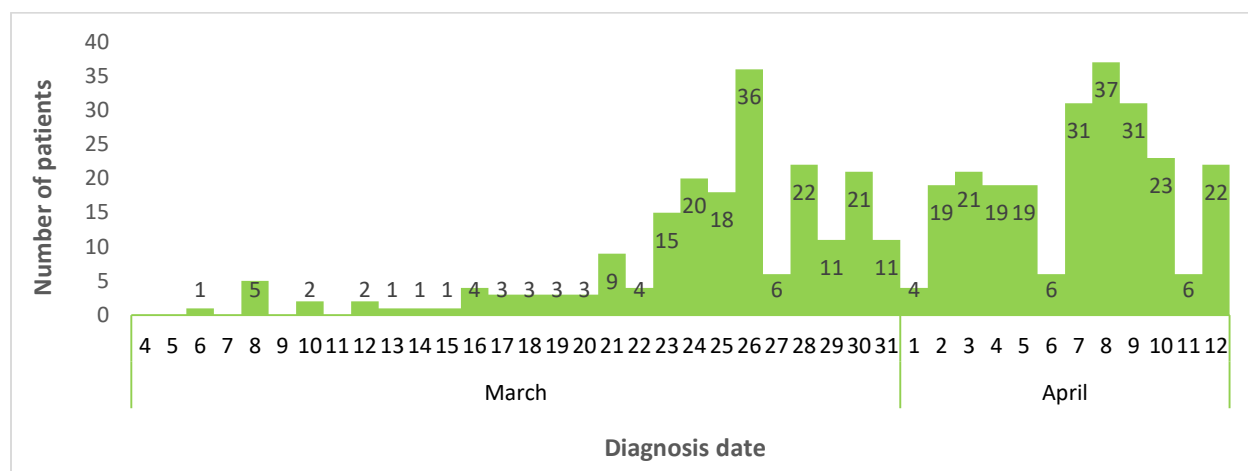


**Figure 1:** Number of laboratory-confirmed COVID-19 patients, South Africa, 5 March-11 April 2020 (N=2 171)

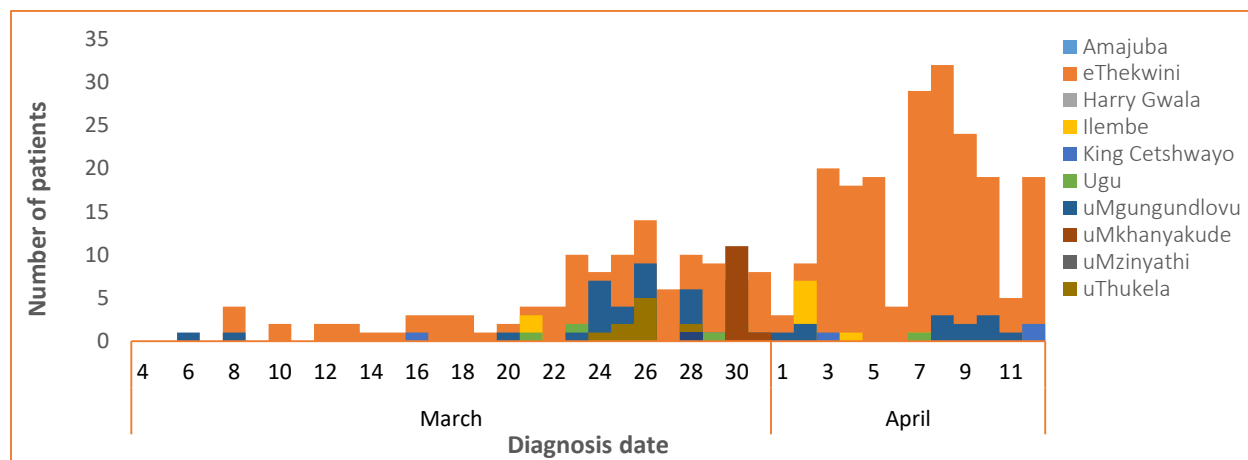
### Highlights

- KwaZulu-Natal reported yet another death on 12 April 2020. The province has a total of 15 deaths. The deceased was a 86-year old female, known hypertensive on treatment. Patient died in St. Augustine’s hospital.
- Total number of laboratory-confirmed COVID-19 health care workers in the province is still standing at 70 (16%).
- EThekweni Metro Municipality continues to be the district with highest magnitude of COVID-19 patients in the province. The district had been reporting more than 80% of the new patients in the province daily.

### Distribution of patients by diagnosis date



**Figure 2:** Epidemic curve of laboratory-confirmed COVID-19 confirmed patients by diagnosis date, KwaZulu-Natal, 5 March-12 April 2020 (n=440).



**Figure 3:** Epidemic curve of laboratory-confirmed COVID-19 confirmed patients by diagnosis date and district, KwaZulu-Natal, 5 March-12 April 2020 (n=440).

## Distribution of patients by district

The province recorded 22 new patients on 12 April 2020, 15% of the new cases in the country. Of the 22 new patients reported, 86% (n=19) were from eThekwini district. The district contributes 70% (n=306) of the COVID-19 patients in the province.

**Table 1:** Distribution of patients by district, KwaZulu-Natal, 5 March-12 April 2020

District	Confirmed patients, 5 March-11 April 2020	New patients, 12 April 2020	Total patients, n (%)	Total deaths	Case fatality rate, (%)
Amajuba	8	0	8 (1.8)	0	0.0
Ethekwini	287	19	306 (70.1)	12	4.0
King Cetshwayo	9	2	11 (2.5)	0	0.0
Harry Gwala	1	0	1 (0.2)	0	0.0
Ilembe	18	1	19 (4.3)	1	5.3
Ugu	15	0	15 (3.4)	1	6.7
UMgungundlovu	43	0	43 (10.0)	0	0.0
UMkhanyakude	21	0	21 (4.8)	0	0.0
UMzinyathi	2	0	2 (0.4)	0	0.0
UThukela	10	0	10 (2.3)	1	10.0
Zululand	1	0	1 (0.2)	0	0.0
<b>Total</b>	<b>415</b>	<b>22</b>	<b>437 (100)</b>	<b>15</b>	<b>3.4</b>
*Three unallocated patients, (total patients=440); case fatality=total death/patients per district (11/440)					

Three districts haven't report new patients since the beginning of April. The districts without new patients for 10 days and above include Harry Gwala, uMzinyathi, and uThukela (Table 2).

**Table 2:** Number of days in reporting new patients by district, KwaZulu-Natal, 11 April 2020

District	Last date patient reported	Number of days without new patients
Amajuba	2 April 2020	10
Ethekwini	12 April 2020	0
King Cetshwayo	12 April 2020	0
Harry Gwala	31 March 2020	13
Ilembe	12 April 2020	0
Ugu	9 April 2020	3
UMgungundlovu	11 April 2020	1
UMkhanyakude	12 April 2020	0
UMzinyathi	25 March 2020	18
UThukela	28 March 2020	15
Zululand	10 April 2020	2

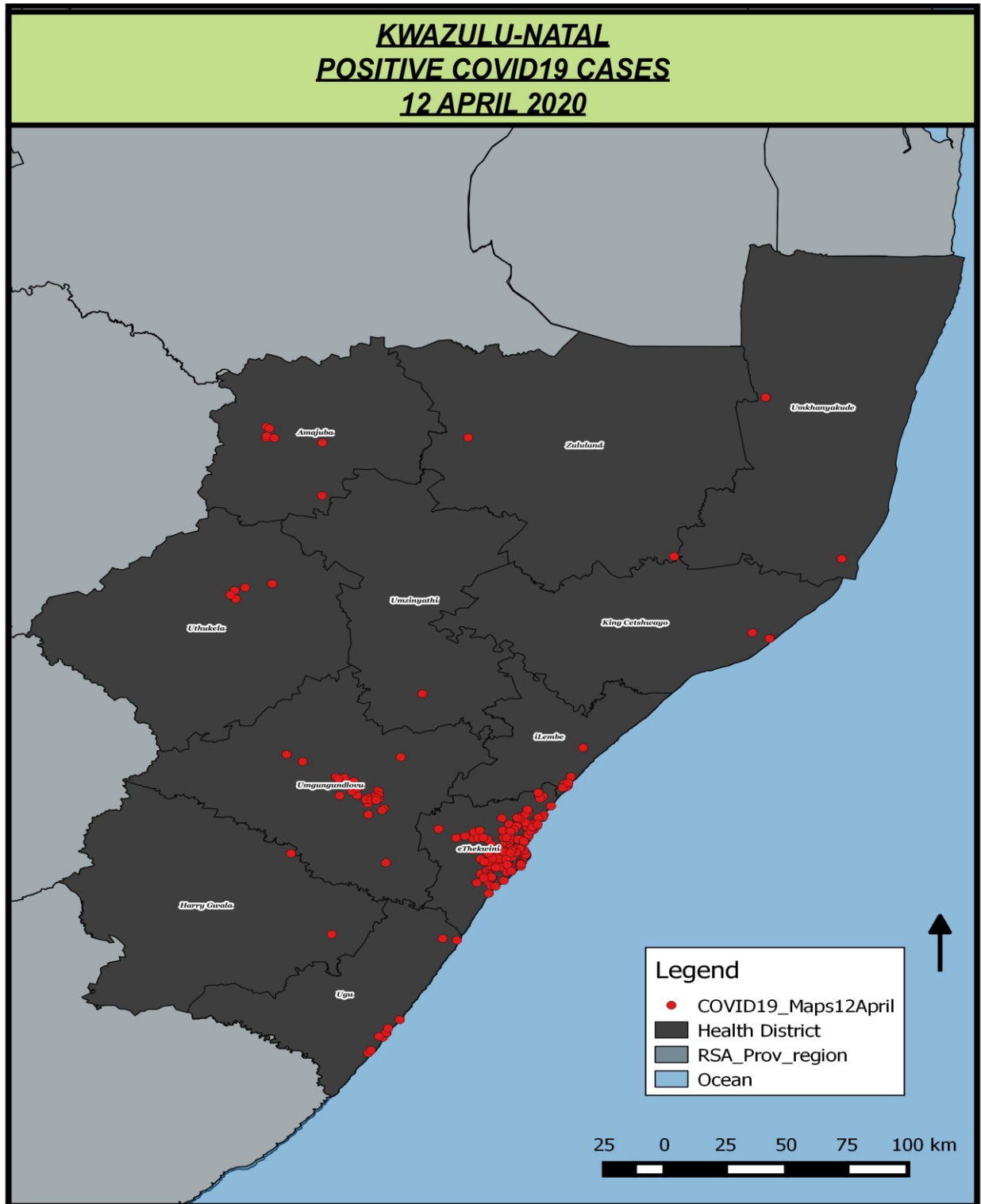


Figure 4: Map indicating distribution of patient, KwaZulu-Natal, March-April 2020

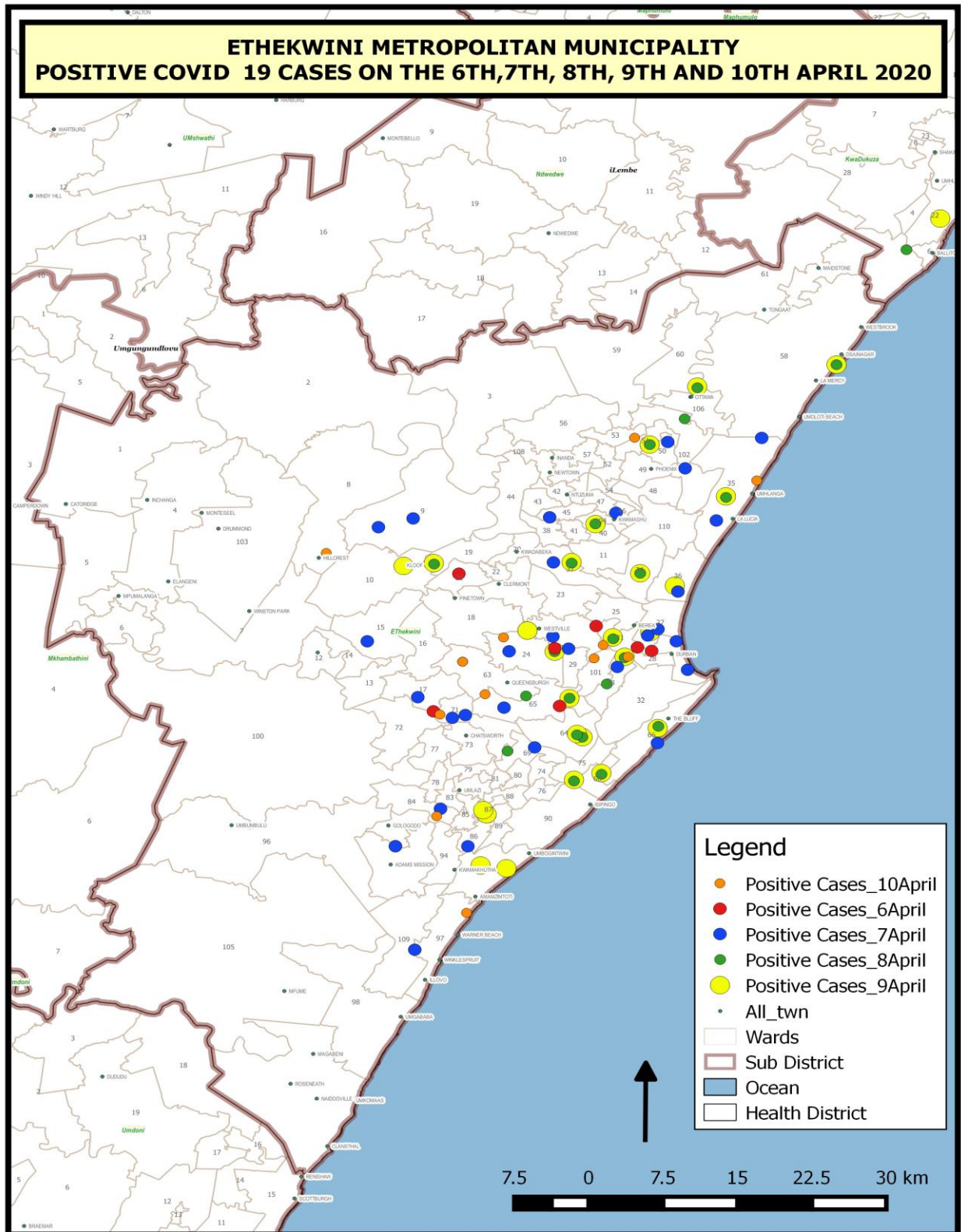


Figure 5: Map indicating distribution of patients in eThekweni district, KwaZulu-Natal, 6-10 April 2020

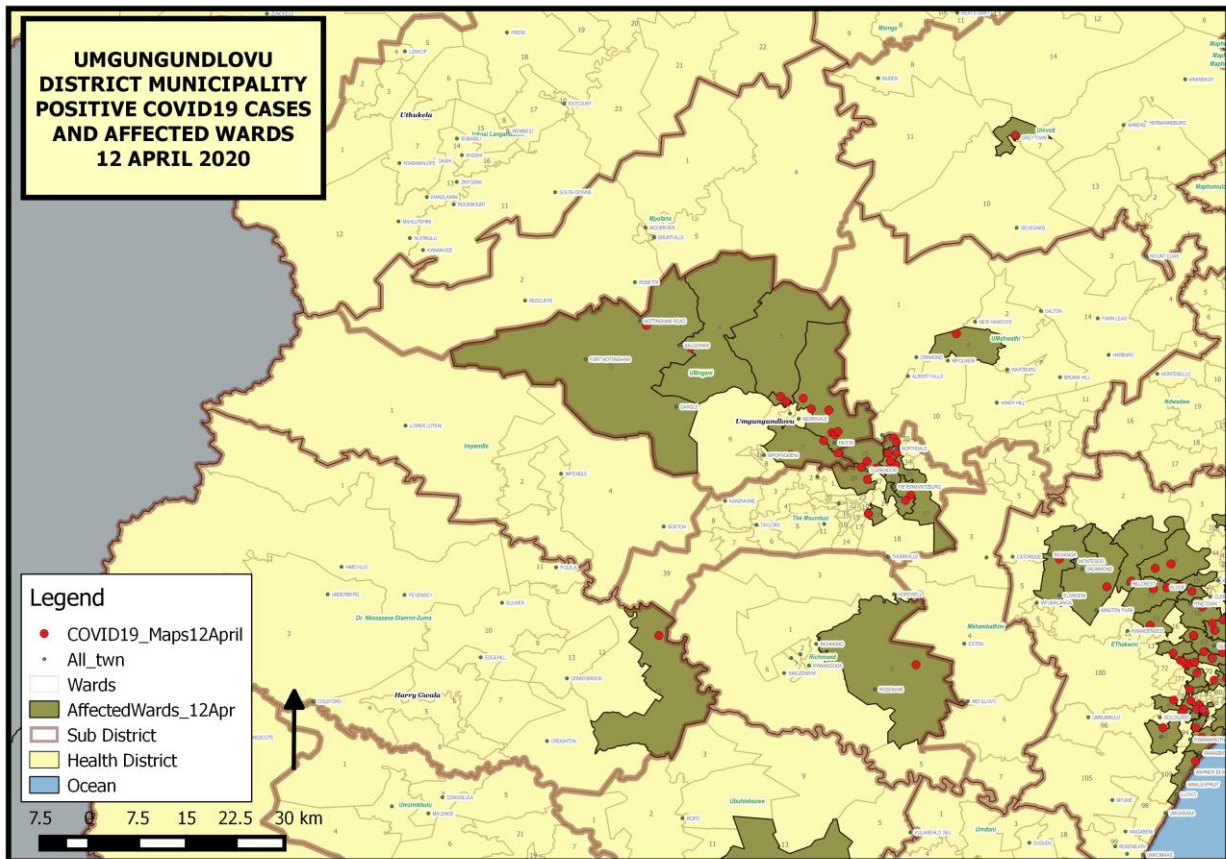
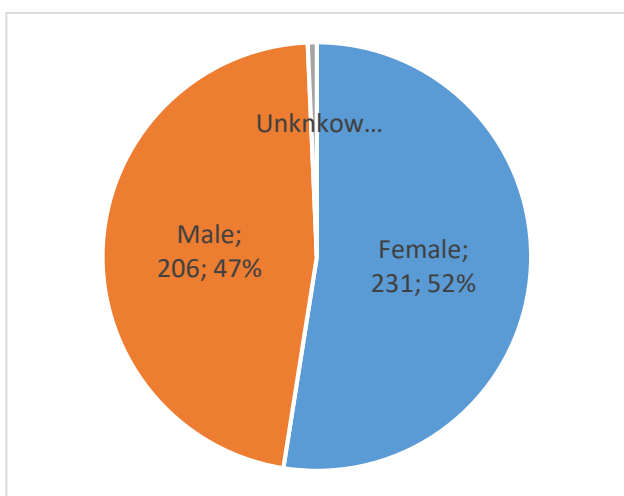


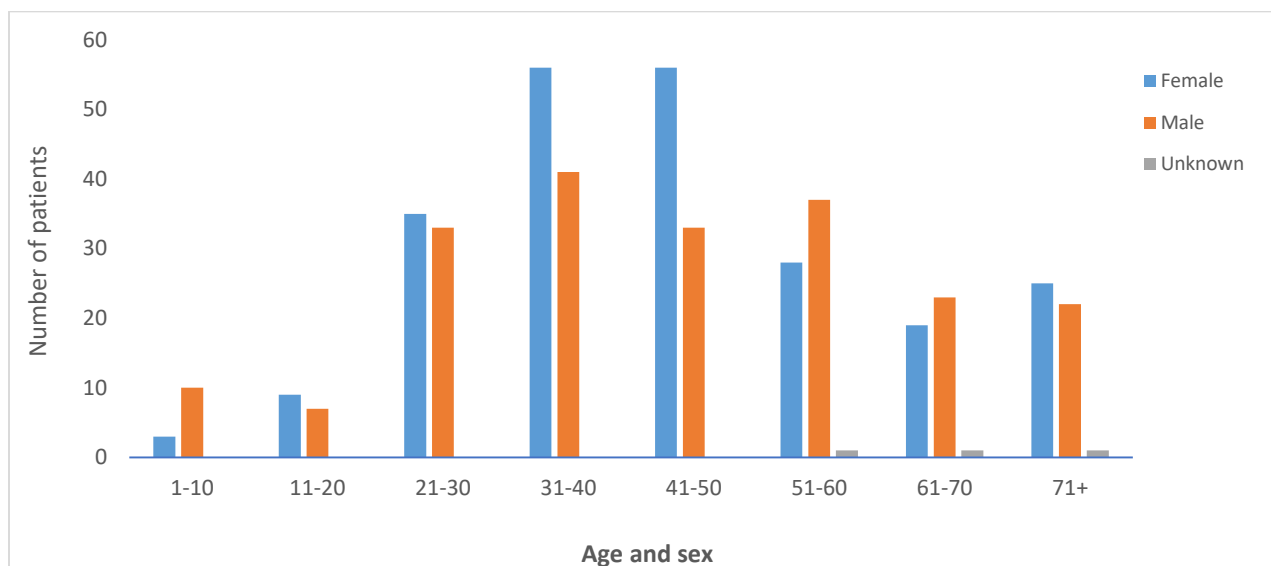
Figure 6: Map indicating distribution of patients, uMgungundlovu district, KwaZulu-Natal, March-April 2020.

Distribution of patients by age and sex



- Female patients contributes over half of the confirmed patients
- Three patients have no specified sex

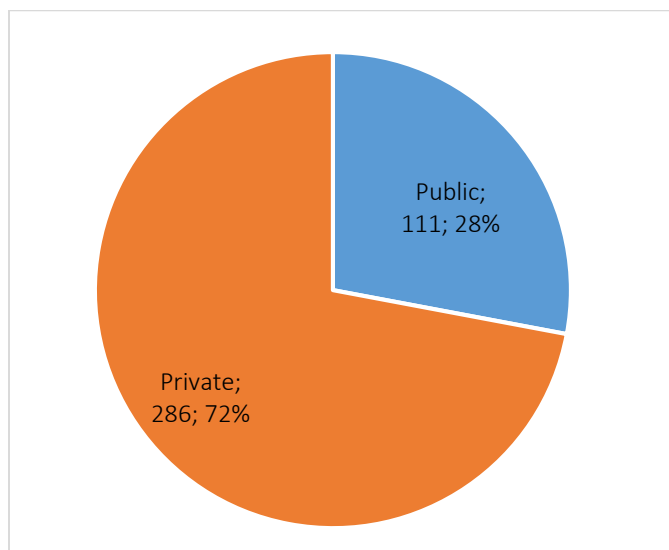
Figure 7: Sex distribution of laboratory-confirmed COVID-19 patients, KwaZulu-Natal, 5 March-12 April 2020 (n=440).



**Figure 8:** Age and sex distribution of laboratory-confirmed COVID-19 patients, KwaZulu-Natal, 5 March-12 April 2020 (n=440)

### Type of testing laboratories

- Ninety percent (n=397) of the patients had testing laboratories specified.
- Of the 397 patients, 72% of the confirmed patients were tested by private laboratories
- Using Inkosi Albert Luthuli Laboratory as a proxy, the positivity rate was 2.5 (7/282) of the total tests performed for the 11 April 2020.



**Figure 9:** Type of laboratory testing for COVID-19 patients, KwaZulu-Natal, 5 March-12 April 2020

## Hospital admissions/isolations

The province have a total of 74 (17%) patients admitted in both private (n=49, 66%) and public (n=25, 34%) hospitals. Two of the admitted patients (3%) are in intensive care unit (Midlands Medical Centre and Greys hospital). The province had two new admissions as at 12 April 2020. The province discharged 36% (n=41/115) of the hospitalized patients since the beginning of the pandemic.

**Table 3:** Admissions of patients by hospital type, KwaZulu-Natal, 12 April 2020 (n=74)

Public hospitals: 25 (34%), n (%)		
Greys	5 (20)	1 (ICU)
Addington	7 (28)	
Ngwelezana	1 (4)	
Clairwood	8 (32)	
King Edward	1 (4)	
Doris Goodwin	3 (12)	
Private hospitals: 49 (66%), n (%)		
Midlands Medical Centre	1 (2)	1 (ICU)
St Augustines	21 (43)	
Umhlanga	1 (2)	
Life Mount Edgecombe	1 (2)	
Wembley house	7 (14)	
Life Entabeni	1 (2)	
Parklands	1 (2)	
Kingsway	15 (31)	12-in Procure stepdown ward
Ethekwini Heart Centre	1 (2)	

## Fatalities

A total of 15 deaths (3%) has been reported in KwaZulu-Natal in four different districts. The province contributes over half of the country's fatalities (54%). The province recorded its first death on 28 March 2020 in Uthukela district. Ethekwini Metro Municipality contributes 80% of the reported deaths (n=12). The province also recorded two home deaths, with Ugu recording its first death. The median age for the deceased is 73 years (range 46-86). Sixty percent (n=9) of the



deceased were male patients. The most common comorbidity amongst the deceased were hypertension (40%) followed by diabetes mellitus (27%) and Asthma (20%).

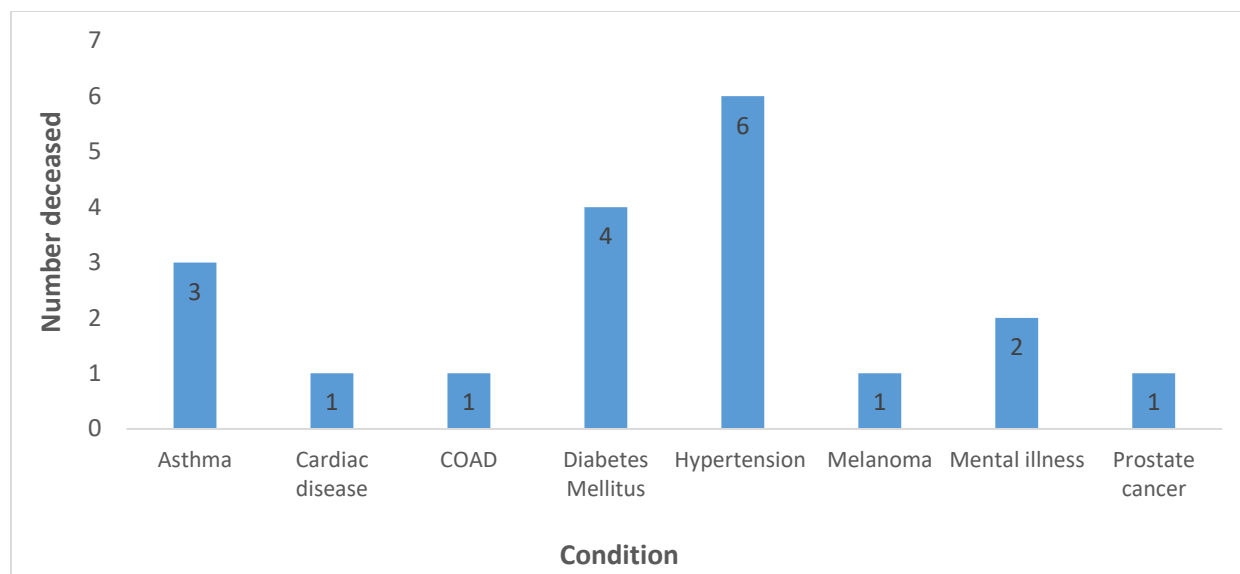


Figure 10: Common comorbidities amongst the deceased patients, KwaZulu-Natal, 5 March-12 April 2020

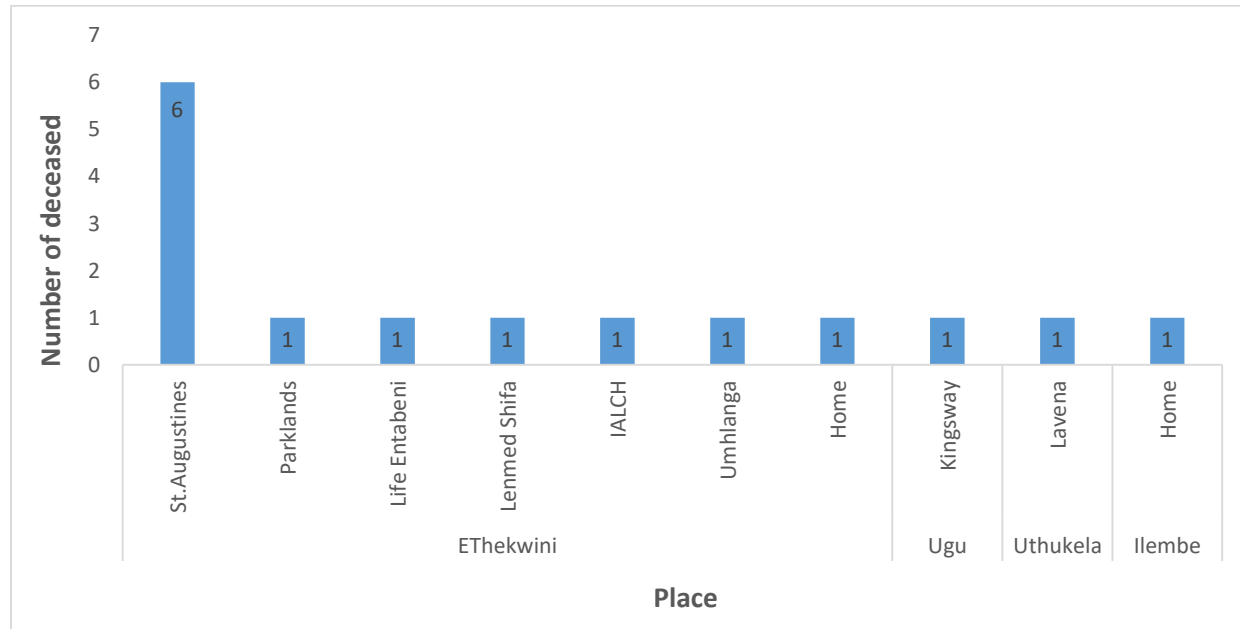
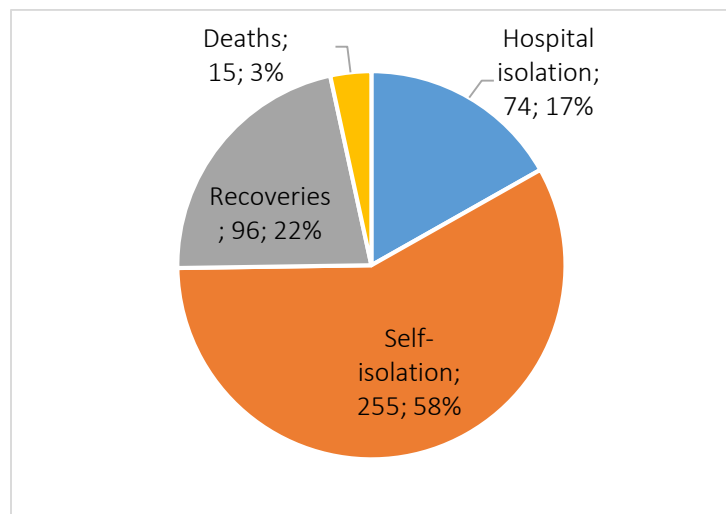


Figure 11: Deceased patients by place of death, KwaZulu-Natal, 5 March-12 April 2020 (n=15)

Patient status for laboratory-confirmed COVID-19 patients, 5 March-11 April 2020



- Over half of the patients are on self-isolation
- Twenty-two percent of the patients have recovered

Figure 12: Patient status for laboratory-confirmed COVID-12 April 2020 (n=440)

Contact tracing status

KwaZulu-Natal province managed to identify 1 598 contacts since the beginning of the pandemic. The province managed to monitor 95% of the identified contacts. Of the 1 508 monitored contacts, 67% had their specimens collected. The province has five percent (n=50) positivity rate of the contacts.

Table 4: Summary of contact traced and samples collected, KwaZulu-Natal, 5 March-12 April 2020

Contact tracing (5 March-12 April 2020), n=1 598 (%)		
Contacts identified	Contacts monitored	1 508 (95.0)
	Contacts not yet traced	82 (5.0)
Status of contacts monitored (n=1 508)	Completed 14 days monitoring	256 (17.0)
	Monitoring in progress	1 252 (83.0)
Total Samples	Samples collected from contacts monitored (n=1 003/1 508)	1 003 (66.5)
	Contacts tested positive (n=50/1 003)	50 (5.0)

**Table 5:** Summary of contact traced and samples collected by district, KwaZulu-Natal, 5 March-12 April 2020

District	Total identified contacts	Number of contacts reached	Contacts not yet reached	Contacts untraceable	Asymptomatic contacts	Symptomatic contacts	Specimen taken	Contacts tested positive	Contacts completed 14 days' monitoring
Amajuba	88	88	0	0	47	41	41	0	134
EThekwini	619	549	27	0	*	*	591	34	45
King Cetshwayo	41	41	0	0	15	5	26	0	0
Ugu	124	124	0	0	*	108	18	2	4
Harry Gwala	22	22	0	0	0	22	22	0	0
ILembe	32	32	0	0	0	32	32	0	0
Umgungundlovu	191	171	20	0	0	156	172	9	55
Umkhanyakude	74	74	0	0	39	35	35	5	12
Umzinyathi	37	37	0	0	0	37	37	0	6
UThukela	348	348	0	0	319	29	29	0	0
Zululand	22	22	0	0	22	0	0	0	0
<b>Total</b>	<b>1598</b>	<b>1508</b>	<b>47</b>	<b>0</b>	<b>442</b>	<b>465</b>	<b>1003</b>	<b>50</b>	<b>256</b>

### Community screening

Community screening commenced on the 4th April 2020 in eThekwini district. A total of 20 259 people were screened between 8-11 April 2020. Of the total screened, less than one percentage (0.7%) was tested for SARS-CoV2.

**Table 6:** Community and facility-based screening and sample collection by district, KwaZulu-Natal, 8-11 April 2020

District name	Community screening							
	8 April 2020		9 April 2020		10 April 2020		11 April 2020	
	Number Screened	Number tested	Number screened	Number tested	Number Screened	Number tested	Number Screened	Number tested
Ethekwini	1063	22 (2)	785	7 (1)	627	70 (11)	498	2 (<1)
Umgungundlovu	110	0 (0)	136	0 (0)	108	0 (0)	1391	0 (0)
ILembe	136	5 (4)	103	3 (3)	1432	3 (<1)	1367	3 (<1)
Ugu	202	5 (3)	177	4 (2)	15	0 (0)	21	1 (5)
Uthukela	330	2 (<1)	279	0 (0)	560	0 (0)	1845	1 (<1)
Umkhanyakude	0	0 (0)	525	3 (1)	272	3 (1)	212	3 (1)
King Cetshwayo	0	0 (0)	502	0 (0)	1545	4 (<1)	1293	2 (<1)
Amajuba	136	2 (2)	346	3 (1)	0	0 (0)	0	0 (0)
Umzinyathi	38	0 (0)	13	0 (0)	94	0 (0)	253	0 (0)
Harry Gwala	720	0 (0)	1018	0 (0)	0	0 (0)	0	0 (0)
Zululand	231	0 (0)	232	0 (0)	0	0 (0)	1644	0 (0)
<b>Total</b>	<b>2966</b>	<b>36 (1)</b>	<b>4116</b>	<b>20 (&lt;1)</b>	<b>4653</b>	<b>80 (2)</b>	<b>8524</b>	<b>12 (&lt;1)</b>

## Facility screening

A total of 13 632 patients were screened in health care facilities. Of the total screened, less than a percentage was tested (n=25).

**Table 7:** Facility-based screening and testing by district, KwaZulu-Natal, 10-11 April 2020

Facility screening				
Date	10/04/2020		11/04/2020	
District	Number screened	Number tested, n (%)	Number screened	Number tested, n (%)
Ethekwini	0	0 (0)	864	8 (1)
Umgungundlovu	1170	6 (<1)	606	6 (1)
Ilembe	8	0 (0)	560	1 (<1)
Ugu	122	1 (1)	77	0 (0)
Uthukela	2004	1 (<1)	6646	0 (0)
Umkhanyakude	0	0 (0)	45	0 (0)
King Cetshwayo	0	0 (0)	501	2 (<1)
Amajuba	0	0 (0)	0	0 (0)
Umzinyathi	0	0 (0)	0	0 (0)
Harry Gwala	0	0 (0)	0	0 (0)
Zululand	0	0 (0)	1029	0 (0)
<b>Total</b>	<b>3304</b>	<b>8 (&lt;1)</b>	<b>10328</b>	<b>17 (&lt;1)</b>

## Call Centre

On the 12<sup>th</sup> April from 07h00- 16h00, the call Centre received 6 calls:

Call Centre	06
Manager on call( referred & direct	0
Provincial CDC coordinator	03
<b>Total</b>	<b>09</b>

## Queries included:

- Issues regarding testing for COVID 19
- Shortage of testing swabs
- Prophet claiming to have a cure for COVID19
- Counselor distributing food parcels and violating lockdown rules
- Relative suspected of having COVID 19
- Company needing health education on COVID 19

**Appendices:**

Appendix A	Detailed information on contact tracing per patients
Appendix B	Detailed information on bed occupancy and availability
Appendix C	Detailed information on partner support

**Disclaimer**

Data is continuously cleaned, de-duplicated, and updated, hence is subject to change. All numbers reported are preliminary unless otherwise stated.

**Acknowledgements**

- KwaZulu-Natal Department of Health
- KwaZulu-Natal Communicable Disease Control
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- KwaZulu-Natal Nursing Department
- Centre for Disease Control and Prevention
- University of KwaZulu-Natal
- World Health Organization