



**Progress on COVID-19:
South Africa's Public Health Response**

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12th of May 2020

COVID-19: Global Situation

Based on WHO *SITREP 111* with data as of 9th May 2020

- As reported by the WHO, the spread of coronavirus continues to affect more countries, with an increase in the total number of confirmed global cases which is currently at 3 917 366 with 274 361 deaths, 7% mortality rate (9th May 2020).

Situational Report as of the 9th of May 2020					
	# of Confirmed COVID-19 Positive Cases	Increase in Confirmed cases over 24 hours	# of Fatalities	Increase in fatalities over 24hours	Case Fatality Rate
Global	3 917 366	61 578	274 361	8 499	7,0%
African Region	42 626	2 082	1369	47	3,2%
<i>SADC Region</i>	<i>12 118</i>	<i>1 397</i>	<i>275</i>	<i>30</i>	<i>2,3%</i>
Americas	1 655 378	18 537	98 723	6 830	6,0%
Eastern Mediterranean	255 728	9 706	8 878	130	3,5%
Europe	1 707 946	25 608	155 552	1 319	9,1%
South-East Asia	95 314	4506	3356	152	3,5%
Western Pacific	159 662	1139	6470	21	4,1%

COVID-19: African Region

Based on WHO SITREP 111 with data as of 9th May 2020

- Within Africa, South Africa has the highest number of cases followed by Algeria (5558), Ghana (4263), and Nigeria (4151); however, Algeria has a higher number of deaths at 494.
- Within the SADC region, South Africa has 78% of the total cases and 68% of the total deaths.

SADC Country	Total Confirmed Cases	% of Confirmed Cases	Deaths	% of Deaths	Case Fatality Rate
South Africa	9 420	78%	186	68%	2,0%
DRC	991	8%	41	15%	4,1%
Tanzania	509	4%	21	8%	4,1%
Mauritius	332	3%	10	4%	3,0%
Madagascar	169	1%	0	0%	0,0%
Zambia	252	2%	4	1%	1,6%
eSwatini	163	1%	2	1%	1,2%
Mozambique	87	1%	0	0%	0,0%
Malawi	56	0%	3	1%	5,4%
Zimbabwe	35	0%	4	1%	11,4%
Angola	43	0%	2	1%	4,7%
Botswana	23	0%	1	0%	4,3%
Namibia	16	0%	0	0%	0,0%
Seychelles	11	0%	0	0%	0,0%
Comores	11	0%	1	0%	9,1%
Lesotho	0	0%	0	0%	0,0%
Total	12 118		275		2,3%

COVID 19: South Africa Epidemiology and Surveillance

Through and including *cases and deaths* through 11th of May

- In South Africa, the total cumulative cases reported on 11th May is **10 652** reflecting a 6.4% increase or **637** new cases.
- The national **case fatality rate**, based on deaths from 11th May is **1.9%**, with the total number of **deaths as of the 11th of May being 201** reflecting an increase of 7 deaths (194 to 201).

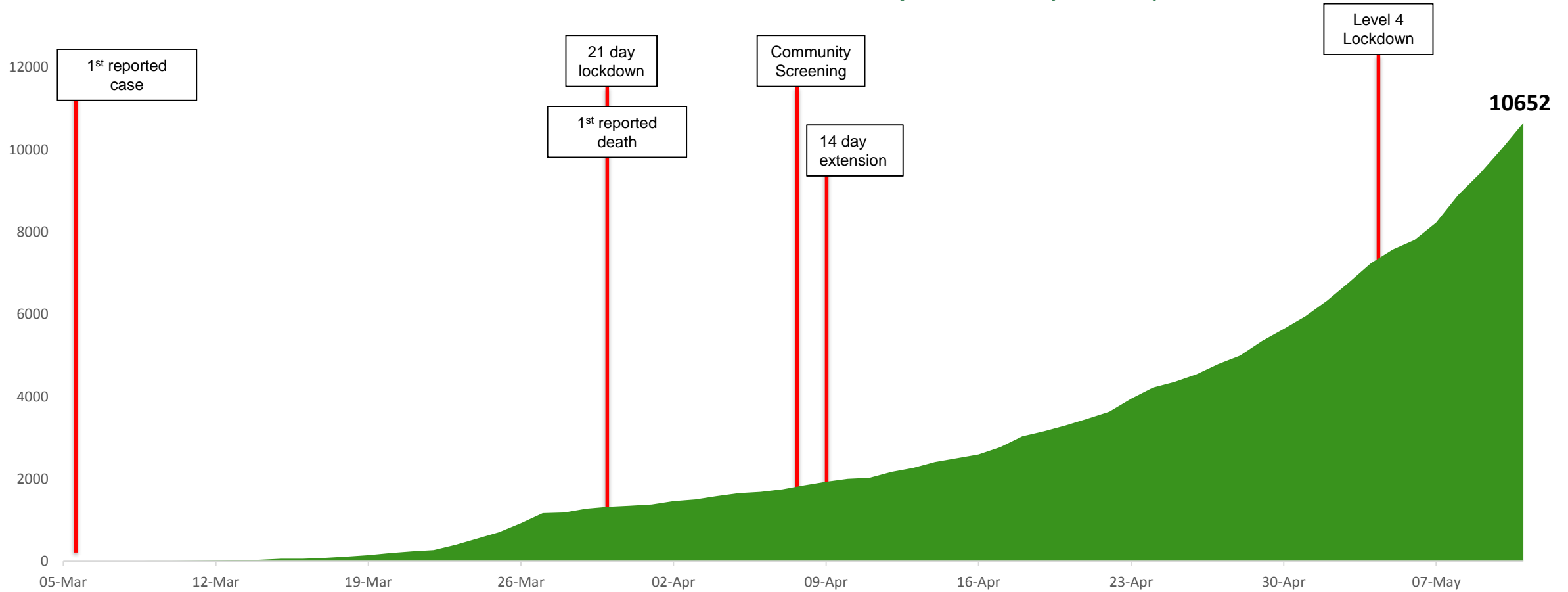
Tests Conducted	Positive Cases	Daily New Cases	Deaths	Recoveries
356 067	10 652	637	206	4 435

Province	Updated Cases Post Harmonisation 10 May 2020	New Cases 11 May 2020	Total Cases 11 May 2020	% Total Cases	Deaths 11 May 2020	Case Fatality Rate	Recoveries 11 May 2020
Eastern Cape	1218	138	1356	12,7%	24	1,8%	519
Free State	135	0	135	1,3%	6	4,4%	107
Gauteng	1952	19	1971	18,5%	22	1,1%	1305
KwaZulu-Natal	1353	19	1372	12,9%	44	3,2%	615
Limpopo	54	0	54	0,5%	3	5,6%	30
Mpumalanga	61	2	63	0,6%	0	0,0%	24
North West	45	5	50	0,5%	1	2,0%	23
Northern Cape	29	1	30	0,3%	0	0,0%	16
Western Cape	5168	453	5621	52,8%	106	1,9%	1796
Unknown	0	0	0	0,0%	0	0,0%	0
Total	10 015	637	10 652	100%	206	1,9%	4 435

COVID-19 Cases since 1st reported case National

Through and including *cases and deaths* through 11th of May

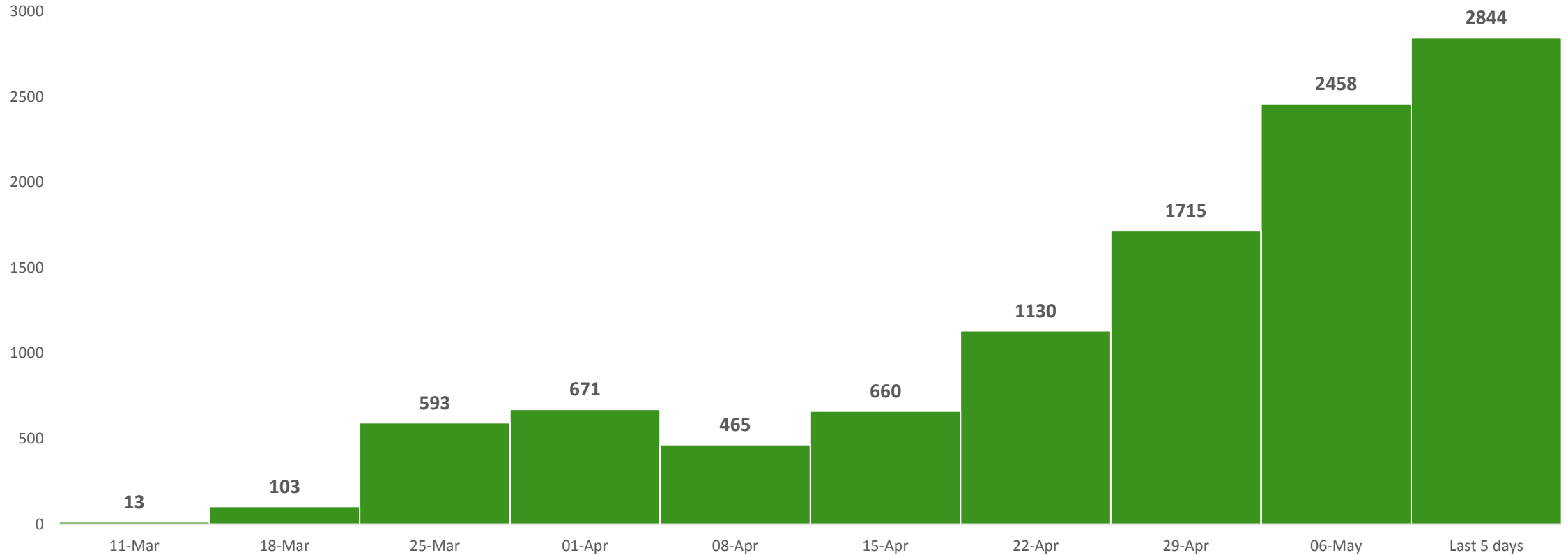
Total # of Cumulative Cases since 1st Reported Case (National)



Number of Weekly New COVID-19 Cases National

Through and including *cases and deaths* through 9th of May

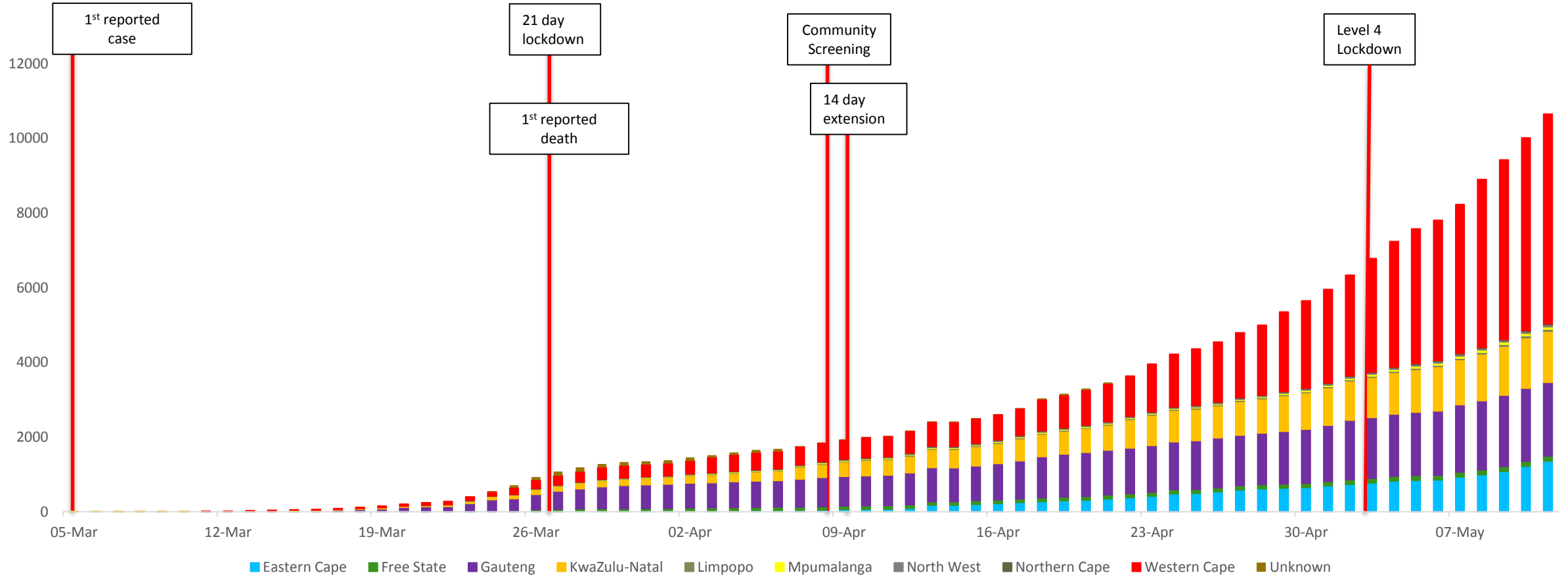
Total Number of New Cases per week since the 1st Reported Case (National)



COVID-19 Cases since 1st reported case by Province

Through and including *cases and deaths* through 11th of May

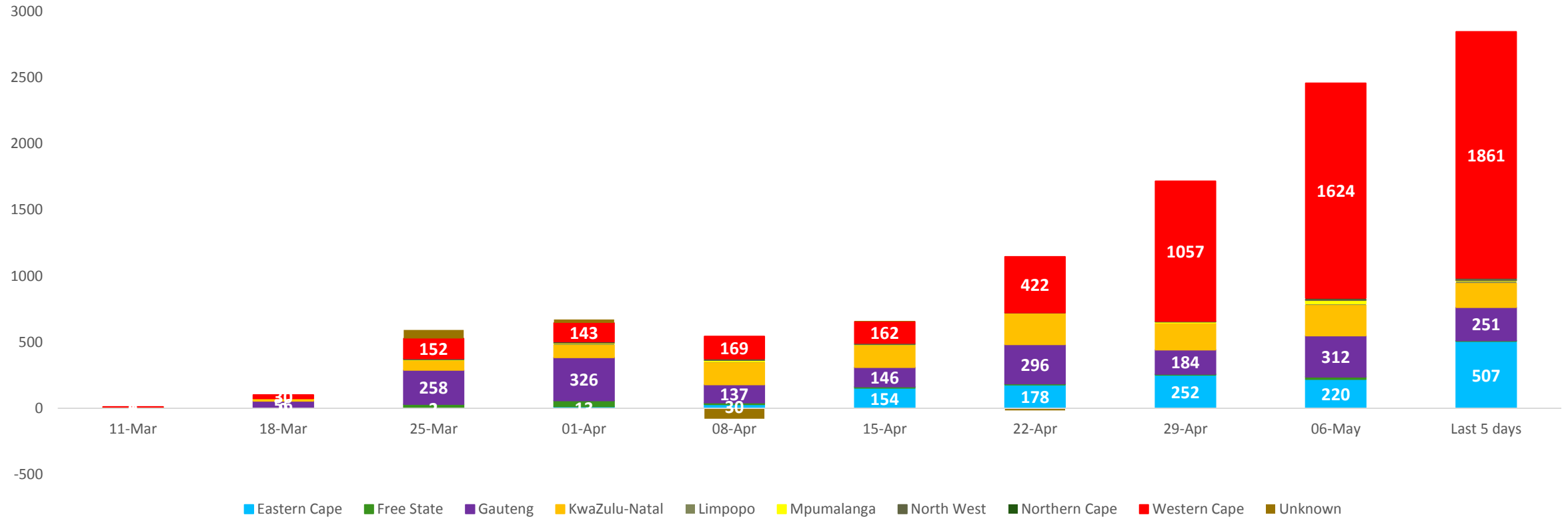
Total # of Cumulative Cases since 1st Reported Case by Province



Number of Weekly New COVID-19 Cases by Province

Through and including *cases and deaths* through 11th of May

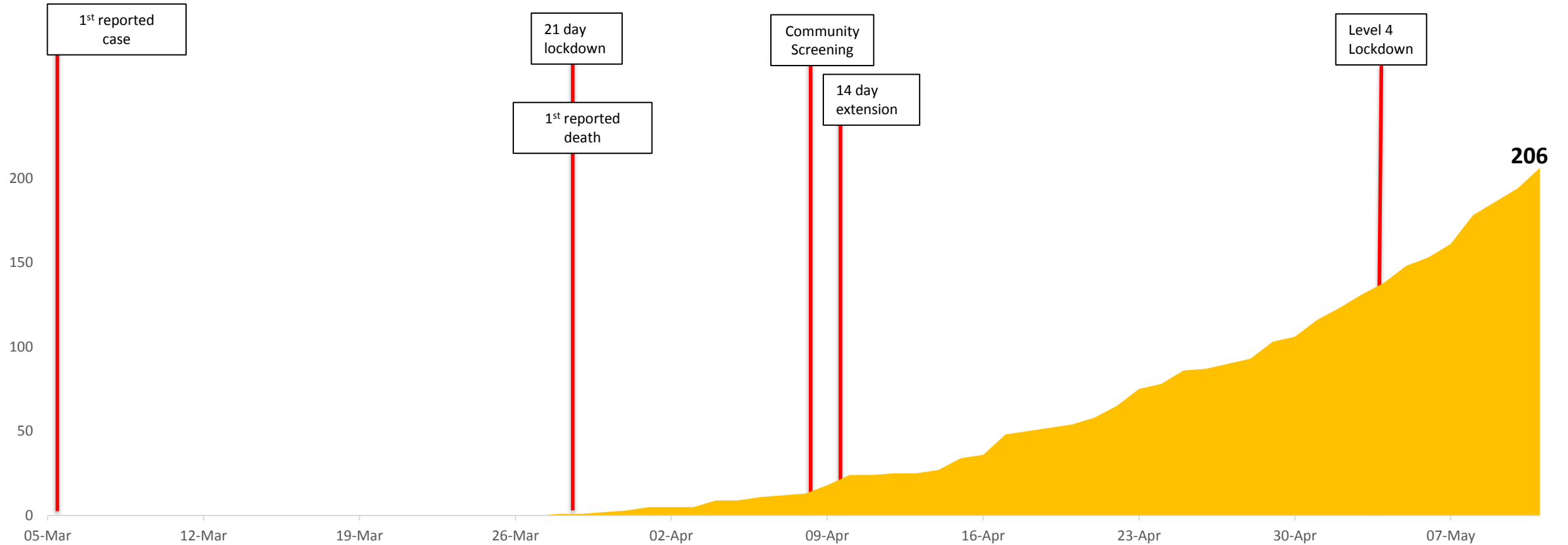
Total Number of New Cases per week since the 1st Reported Case (Province)



COVID-19 Deaths since 1st reported case National

Through and including *cases and deaths* through 11th of May

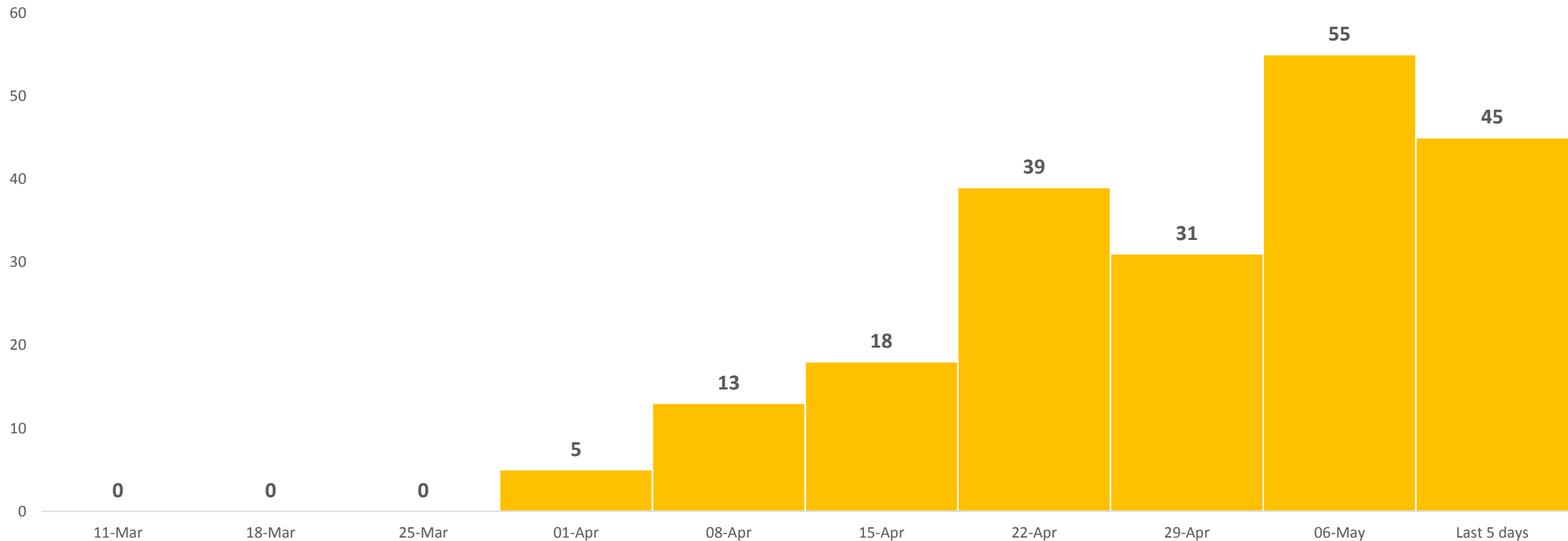
Total # of Cumulative Deaths since 1st Reported Case



Number of Weekly New COVID-19 Cases and Deaths National

Through and including *cases and deaths* through 11th of May

Total Number of New Deaths per week since the 1st Reported Case (National)



Laboratory Testing

Through and including testing through 11th May 2020

All tests

Sector	Total tested		New tested	
	Count	Percentage	Count	Percentage
Private	174 978	49%	6 439	44%
Public	181 089	51%	8 292	56%
Grand Total	356 067		14 731	

Community Screen and Test (CST)

Case-finding method	Total tested		New tested	
	Count	Percentage	Count	Percentage
Community screen and test	83 308	23%	4 877	33%
Passive case-finding	272 759	77%	9 854	67%
Grand Total	356 067		14 731	

Province	Total Tests		Total Test Positivity Rate	New tests		New Test Positivity Rate
	Count	Percentage		Count	Percentage	
Eastern Cape	35659	10,0%	4,1%	1627	11,0%	8,5%
Free State	17648	5,0%	1,0%	417	2,8%	0,5%
Gauteng	116038	32,6%	1,9%	4408	29,9%	0,6%
KwaZulu-Natal	63869	17,9%	2,5%	2068	14,0%	1,0%
Limpopo	7899	2,2%	0,7%	116	0,8%	0,0%
Mpumalanga	10269	2,9%	1,0%	446	3,0%	0,4%
North West	5311	1,5%	0,9%	98	0,7%	2,0%
Northern Cape	3317	0,9%	1,1%	225	1,5%	0,4%
Western Cape	74937	21,0%	7,8%	4902	33,3%	9,3%
Unknown	21120	5,9%	2,0%	424	2,9%	3,1%
National	356 067		3,3%	14 731		4,5%

- A cumulative total of **356 067 tests** have been conducted as of 10th May.
 - ◆ Of the total number of tests conducted, **14 731 new tests were performed** and of those 4 877 tests (33%) were from community screen and testing (CST).
 - ◆ Of the new tests conducted, 8 292 (56%) have been in the public sector.
- The volume of tests decreased from 17 257 tests conducted on the 09th of May to 14 731 conducted on the 10th of May.
- The proportion of positive cases is 4.3% today.
- The overall proportion positive (new cases/total new tested) nationally has been stable for 7 days with an average of 3.4%.
 - ◆ This 7-day average has been gradually increasing.

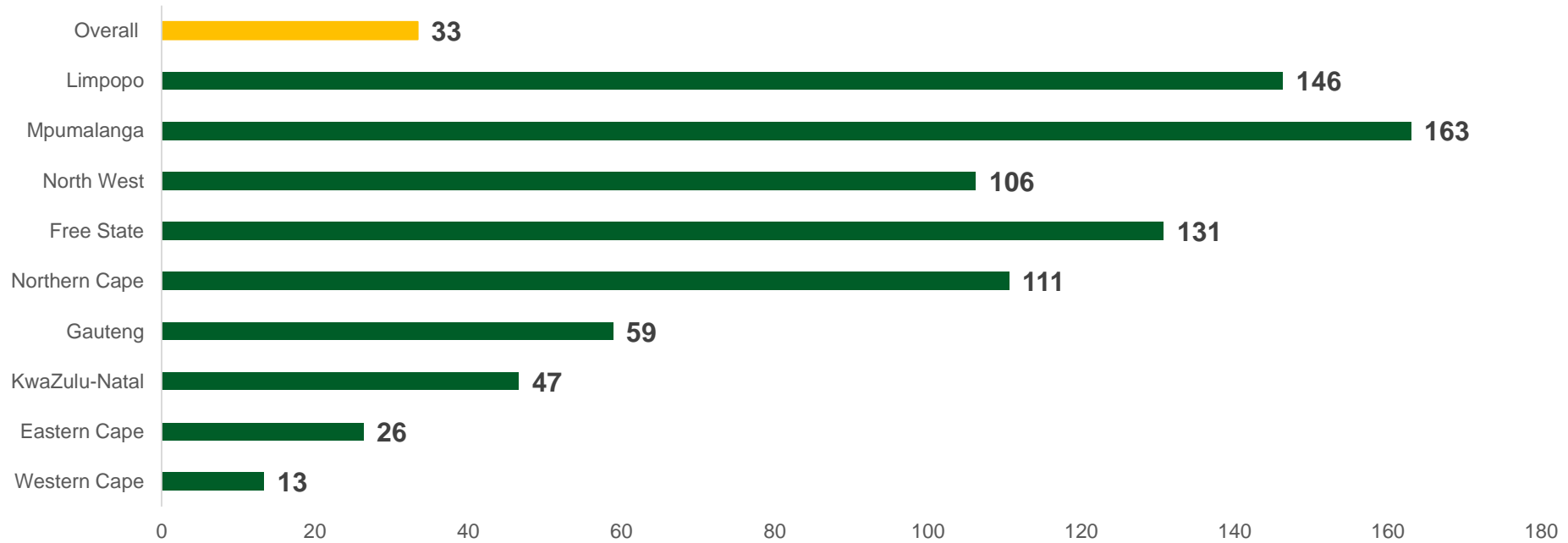
Number of COVID-19 tests performed Private and Public

Through and including testing through 11th May 2020



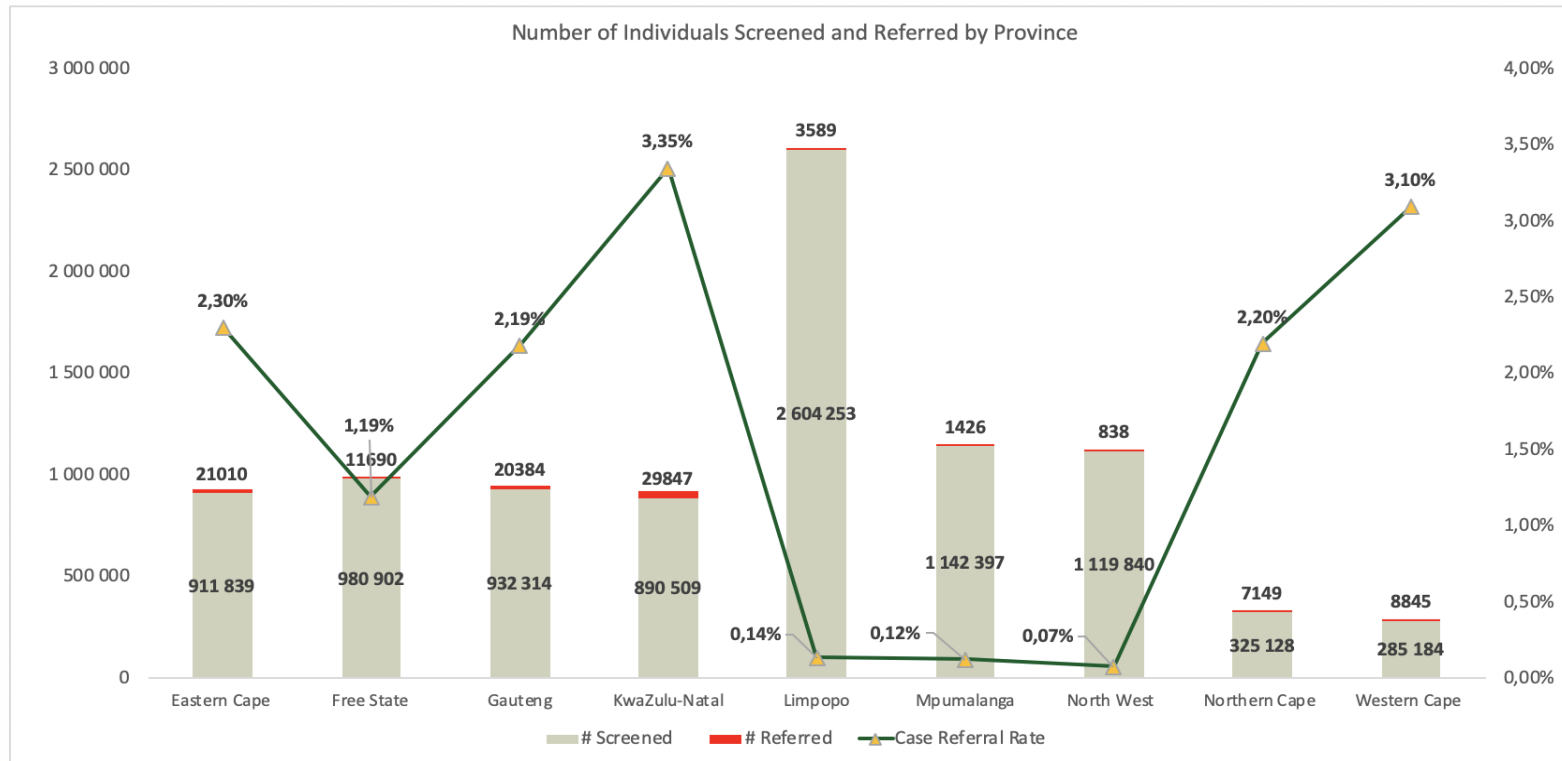
Number of COVID-19 tests performed to find 1 COVID-19 Case

Through and including testing through 11th May 2020



Community Screening

- As of 9th of May, **9 192 366** individuals have been **screened nationally** and **104 778** individuals have been **referred for testing**. Between May 8th and May 9th, total screening figures increased by 1.7% (from **9 038 918** to **9 192 366**), and total referrals.

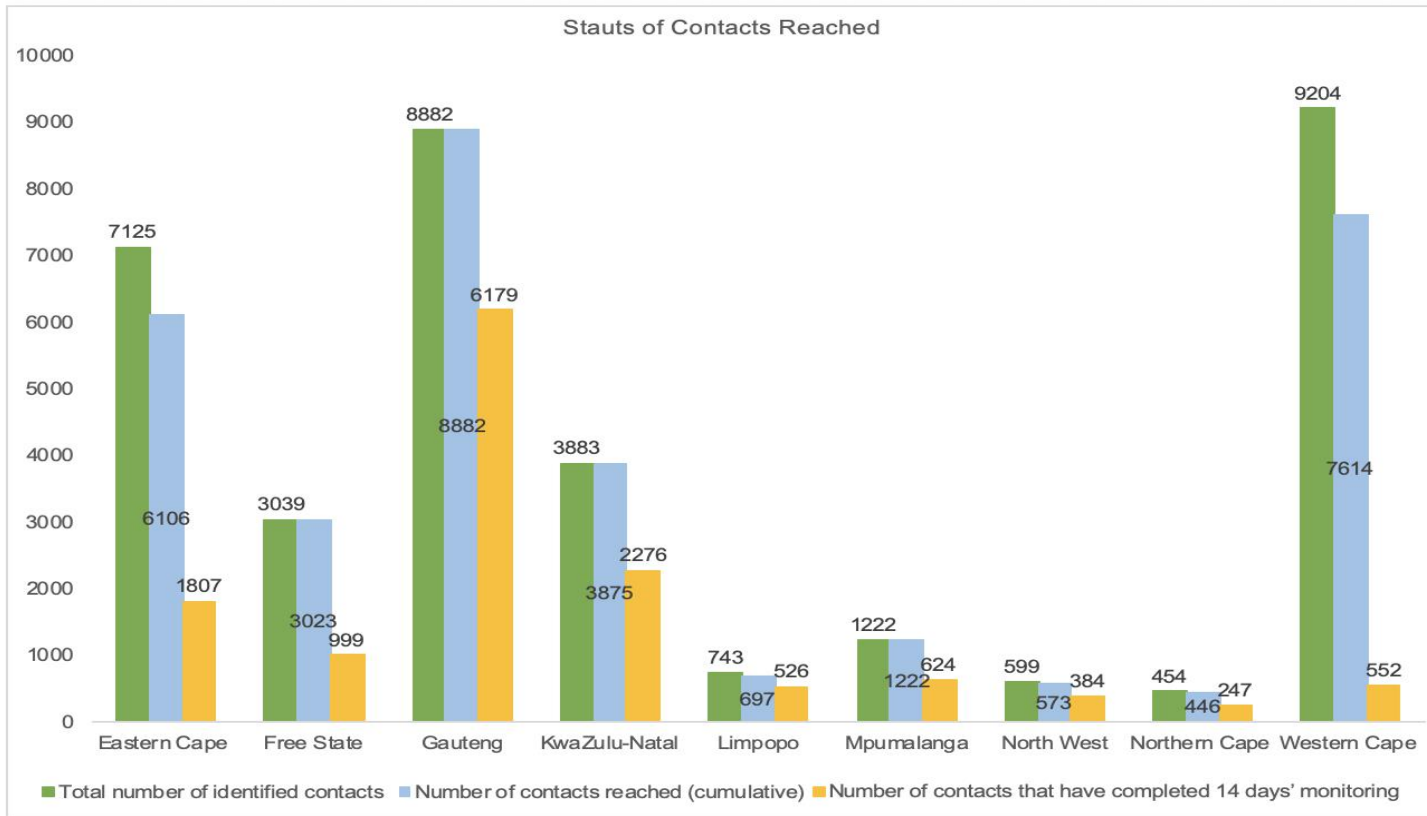


Province	Case Referral Rate
Eastern Cape	2,30%
Free State	1,19%
Gauteng	2,19%
KwaZulu-Natal	3,35%
Limpopo	0,14%
Mpumalanga	0,12%
North West	0,07%
Northern Cape	2,20%
Western Cape	3,10%
National	1,14%

	National Total
Screened	9 192 366
Referred	104 778

Contact Tracing

- As of the 10th of May, a total of **35 151 contacts** have been identified through contact tracing.
- To date, **92% (32 438 of 35 151)** of contacts have been monitored in South Africa



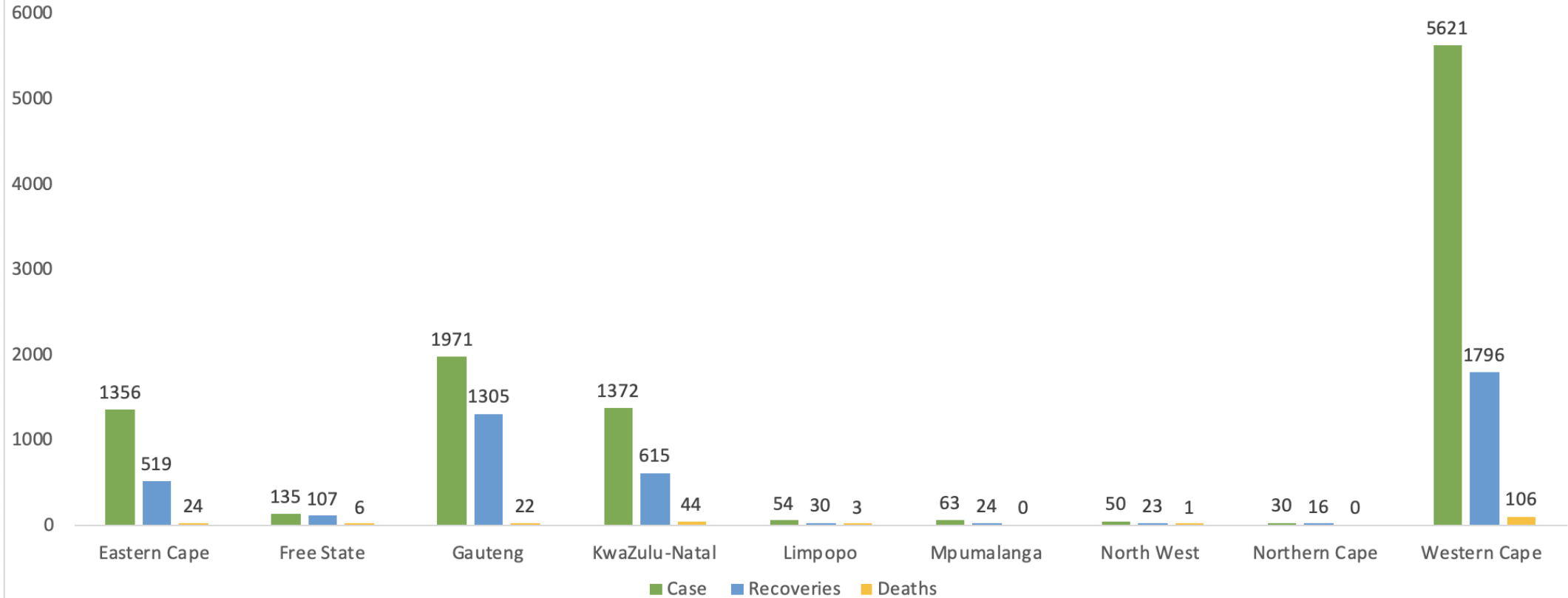
Province	% of Contacts Reached	% Completed 14 day monitoring
Eastern Cape	86%	25%
Free State	99%	33%
Gauteng	100%	70%
KwaZulu-Natal	94%	59%
Limpopo	94%	71%
Mpumalanga	100%	51%
North West	96%	64%
Northern Cape	98%	54%
Western Cape	83%	*
National	92%	39%

National # Identified	35 151
National Total Reached	32 438
National Total Not yet Reached	2 713
Total Complete 14 days monitoring	13 594

Hospitalisation

Updated as of **the 10^h May 2020**

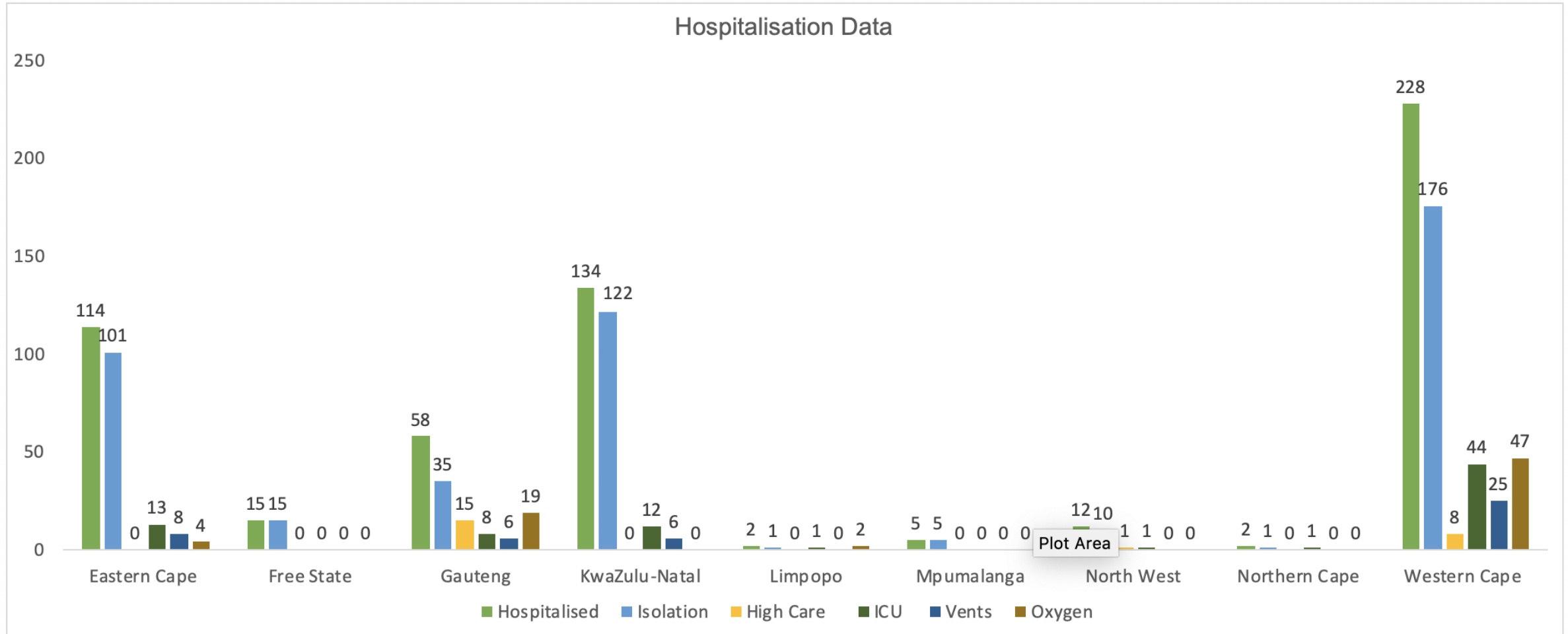
Number of Cases, Recoveries and Deaths



	National
Case	10652
Recoveries	4435
Deaths	206

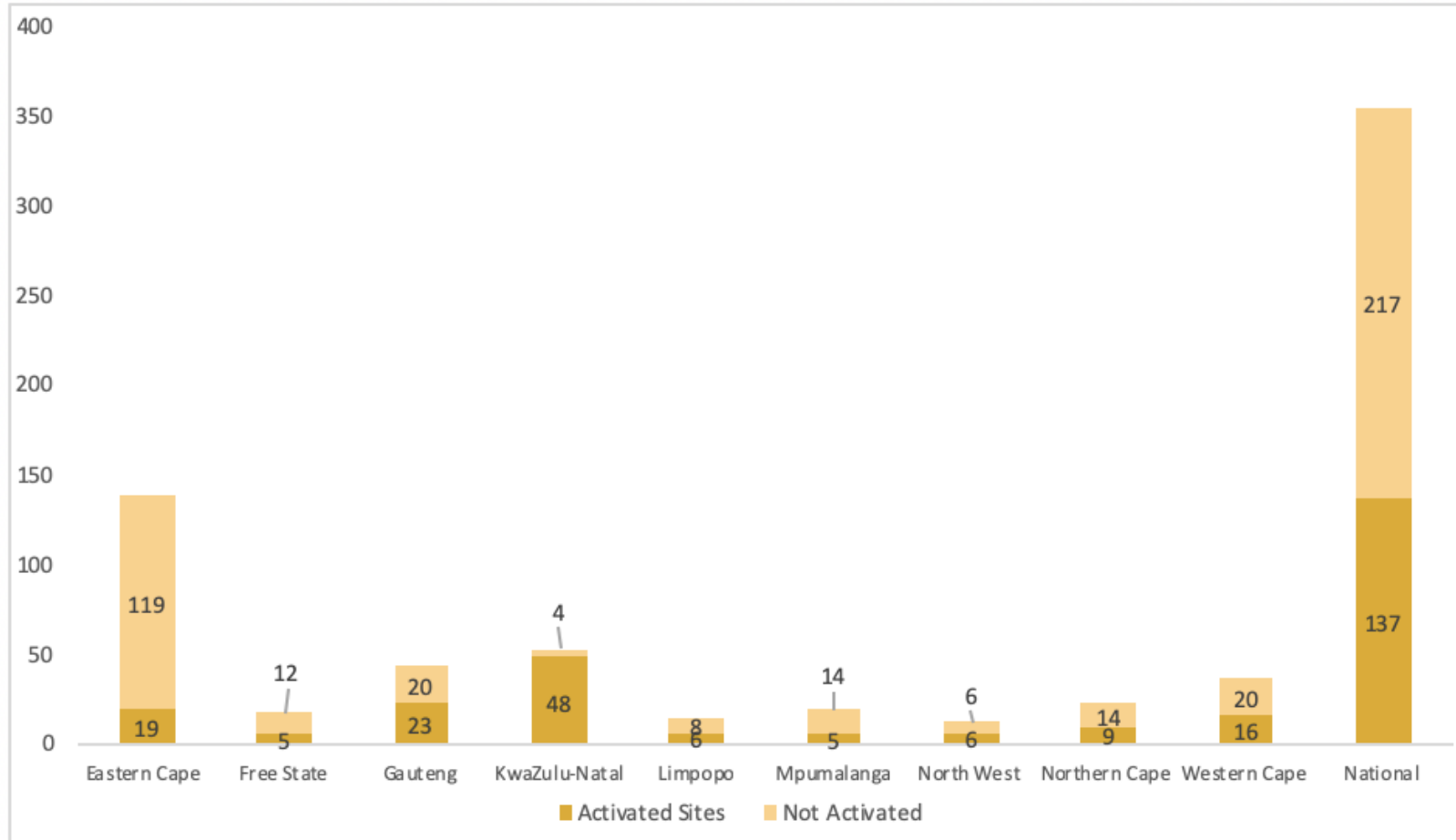
Hospitalisation

Updated as of **the 10th May 2020**



Quarantine – Number of Activated Sites from Planned Sites

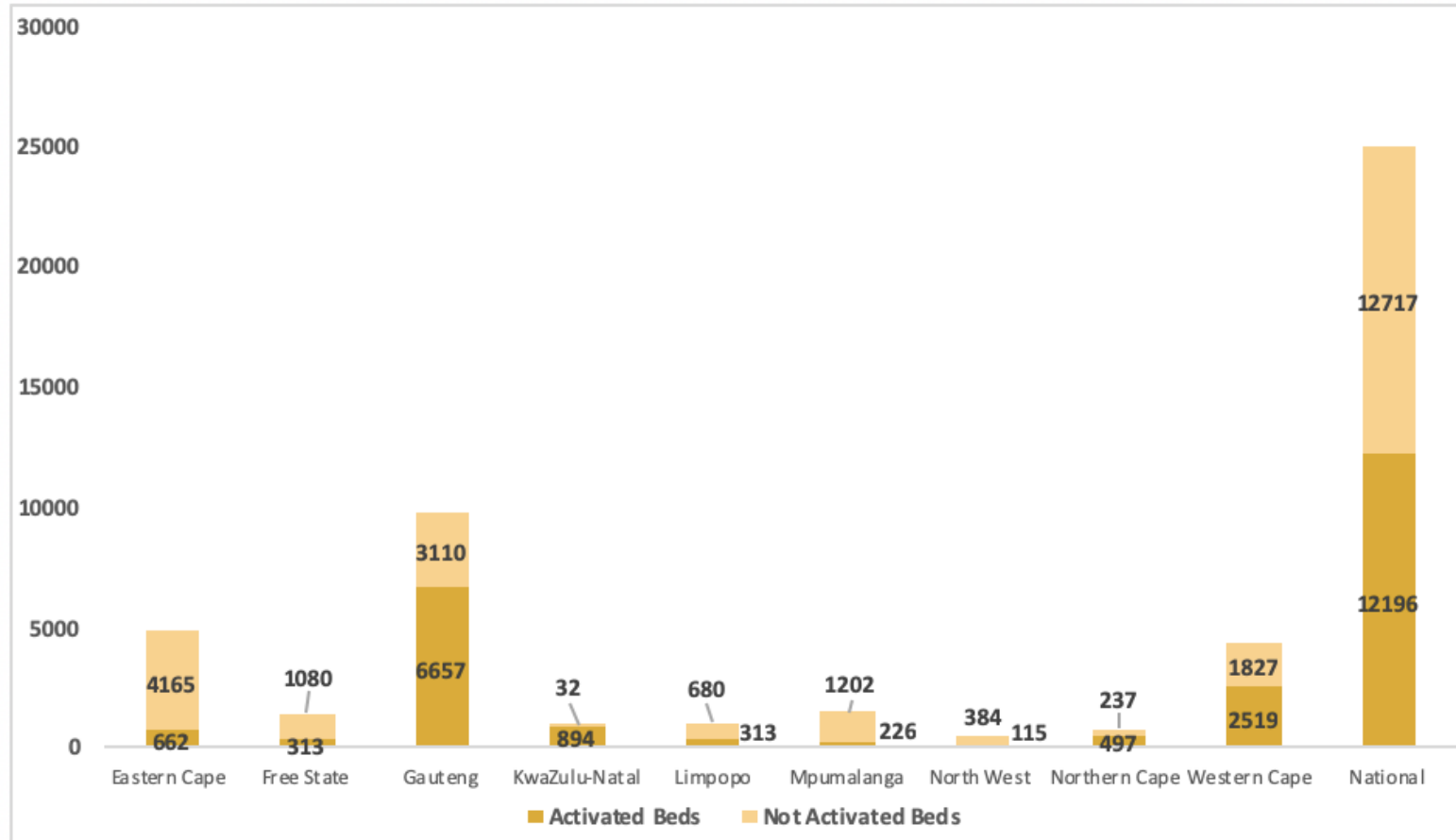
Updated as of **the 8^h May 2020**



Province	Total Sites Planned	% Activated
Eastern Cape	138	14%
Free State	17	29%
Gauteng	43	53%
KwaZulu-Natal	52	92%
Limpopo	14	43%
Mpumalanga	19	26%
North West	12	50%
Northern Cape	23	39%
Western Cape	36	44%
National	354	39%

Quarantine – Number of Activated Beds from Planned Beds

Updated as of **the 10th May 2020**



Province	Total Planned Beds	% Activated
Eastern Cape	4827	14%
Free State	1393	22%
Gauteng	9767	68%
KwaZulu-Natal	926	97%
Limpopo	993	32%
Mpumalanga	1428	16%
North West	499	23%
Northern Cape	734	68%
Western Cape	4346	58%
National	24913	49%

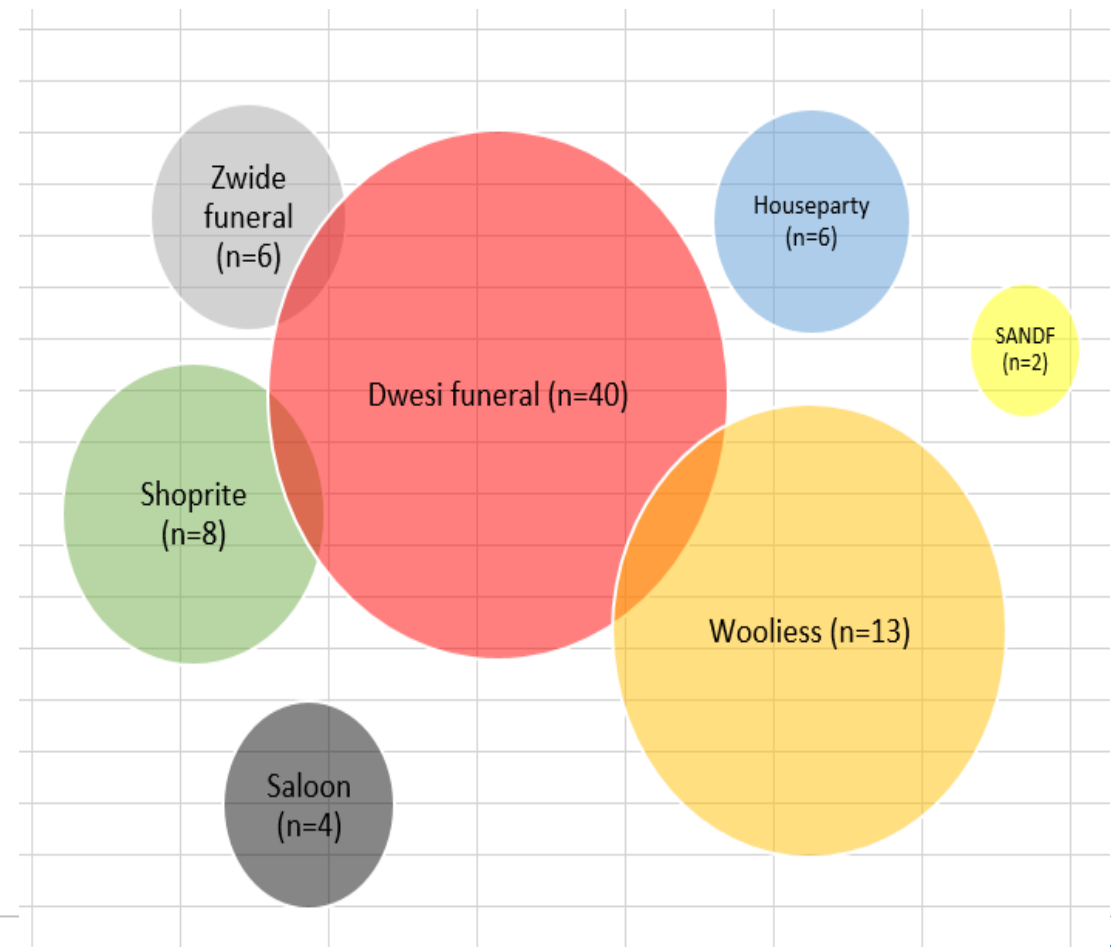
- Nelson Mandela Bay Metro (n=384)

- Findings

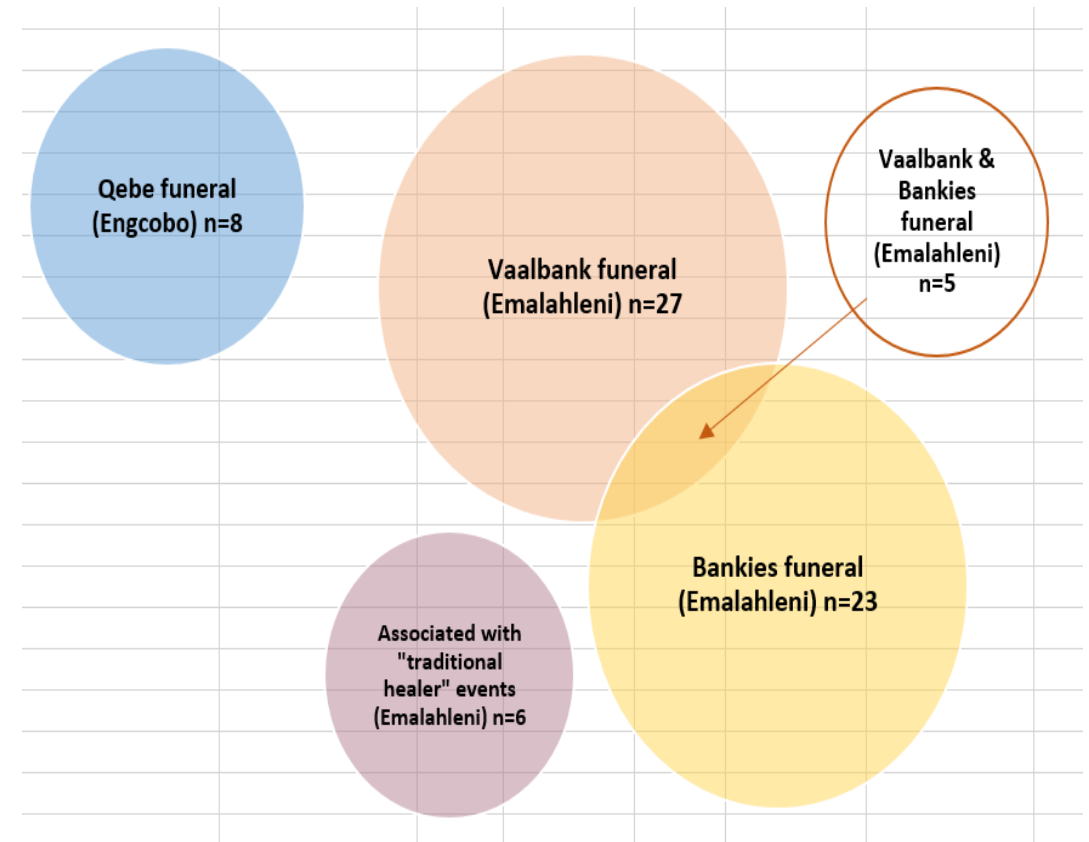
- Key challenge is in co-ordination and planning to support accountable contact tracing
 - Current cases reflect uncontained transmission following spreading events at funerals and shopping centres

- Interventions

- Involvement of DM in daily meetings
 - Presence of contact tracers at daily meetings
 - Structure meetings to reflect #new cases, # contact tracing, # results

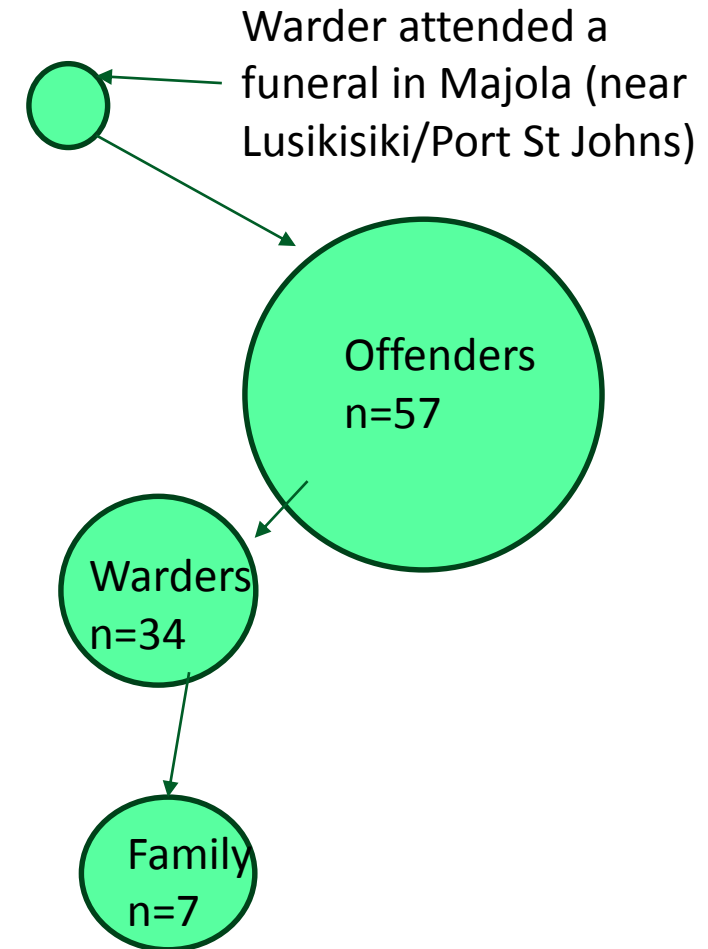


- Chris Hani (n=113)
 - Findings
 - Conflation of contact tracing and mass screening
 - Two funerals lead to multiplication of cases
 - Traditional healers not observing lockdown regulations
 - Interventions
 - Support for structured data collection
 - Training to support better understanding of role of contact tracing vs mass screening
 - Presentation of data to inform contact tracing



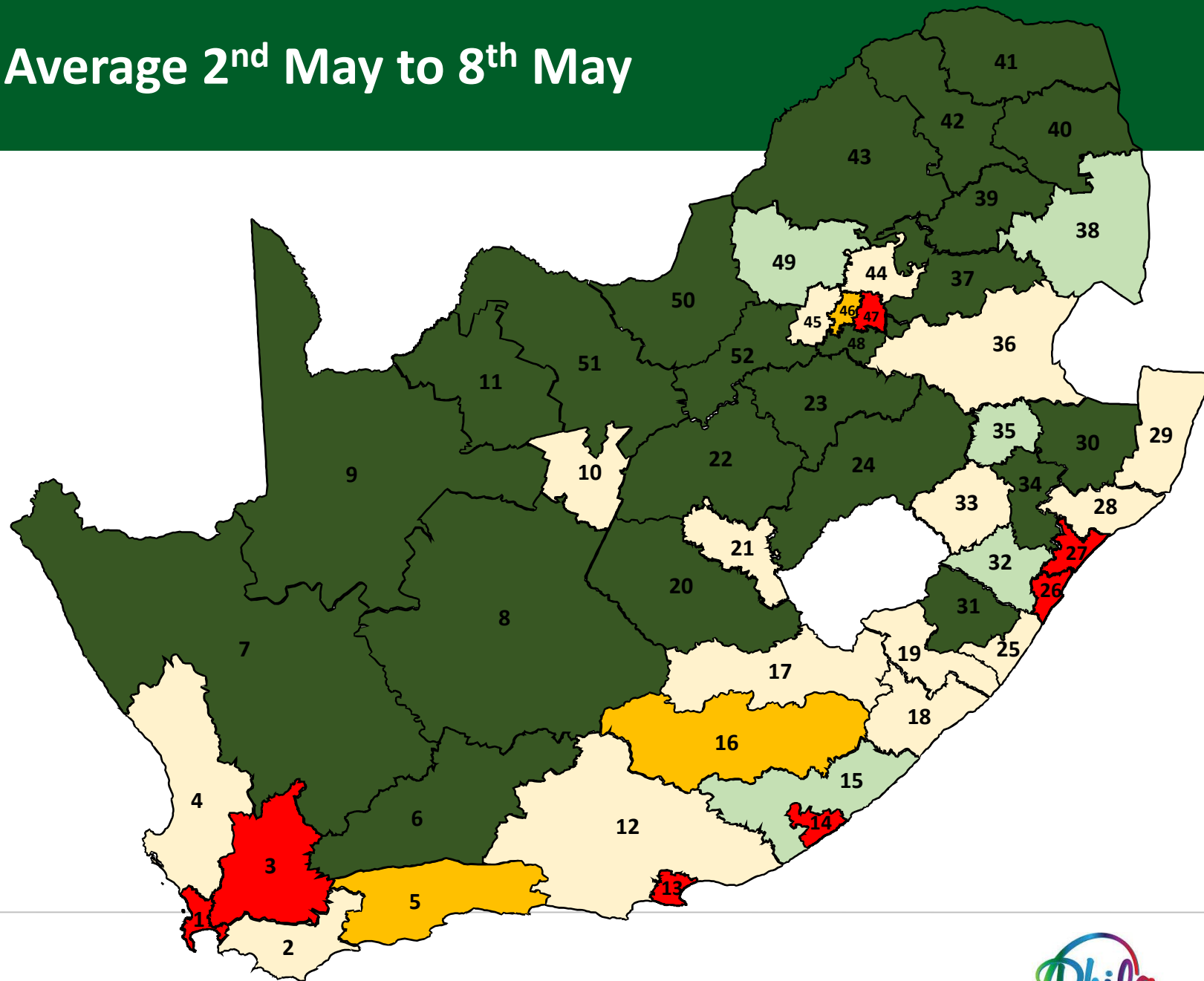
Epidemiological assessment

- Buffalo City Metro (n=171)
 - Findings
 - Massive outbreak in prison which is ongoing. (n=98, 2 deaths)
 - Uncontained spread in Bisho and Mdantsane
 - Delays in contact tracing due to delay in receiving results
 - Interventions
 - Support for DCS clinical management, cohorting
 - Reduce communication delays in lab results
 - Tracking indicators to better understand outbreak



EPI Hotspots: Active Cases Average 2nd May to 8th May

Legend (Positive Cases per 100k pop)



Conclusions

- Rate of increase in cases and mortality variable by province
 - FS, LP, LP, NC, NW
 - GP & KZN
 - EC and WC
- Rate of increase variable by district
- Test, isolation, treat, contact tracing, quarantine
- Challenges with testing capacity (who to prioritise?)
- Clusters of infections with rapid transmission