

COVID-19 UPDATE

3 September 2020



Status update

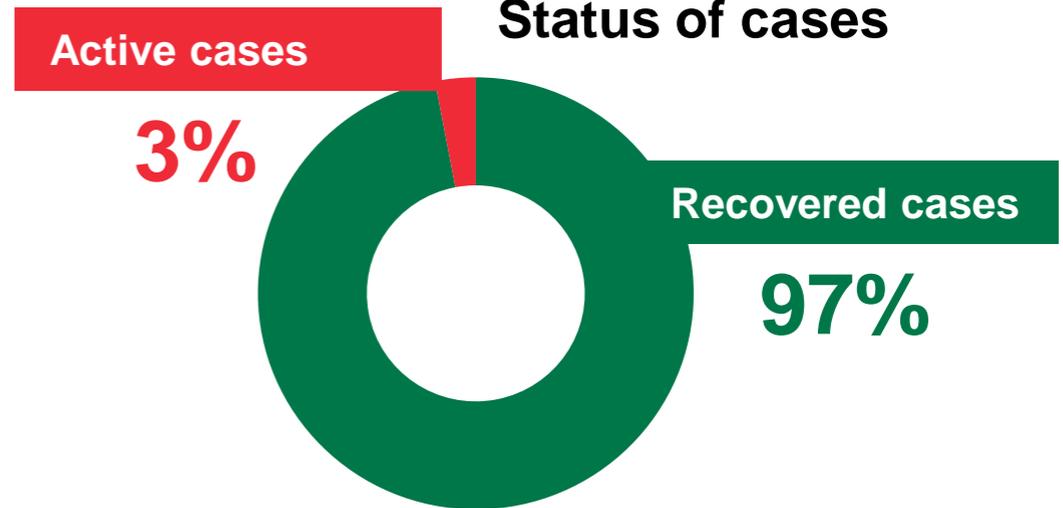
As at 3 September 2020

Total number of employees	450,987
Number of employees back at work	338,264
Total number of tests	47,121
Total positive cases	15,149
Active cases	426
Recovered	14,562
Deaths	161

Testing rates by population

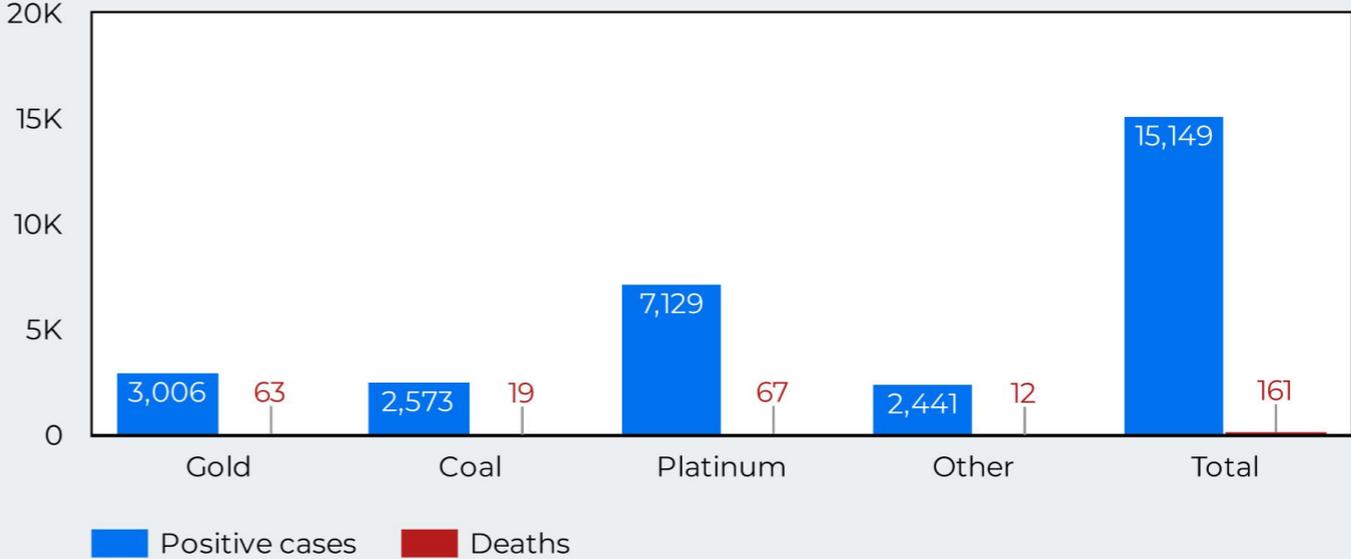
Global test rate	6.71%
RSA test rate	6.27%
Mining test rate	10.45%

Status of cases



Status update

Cases and deaths per commodity

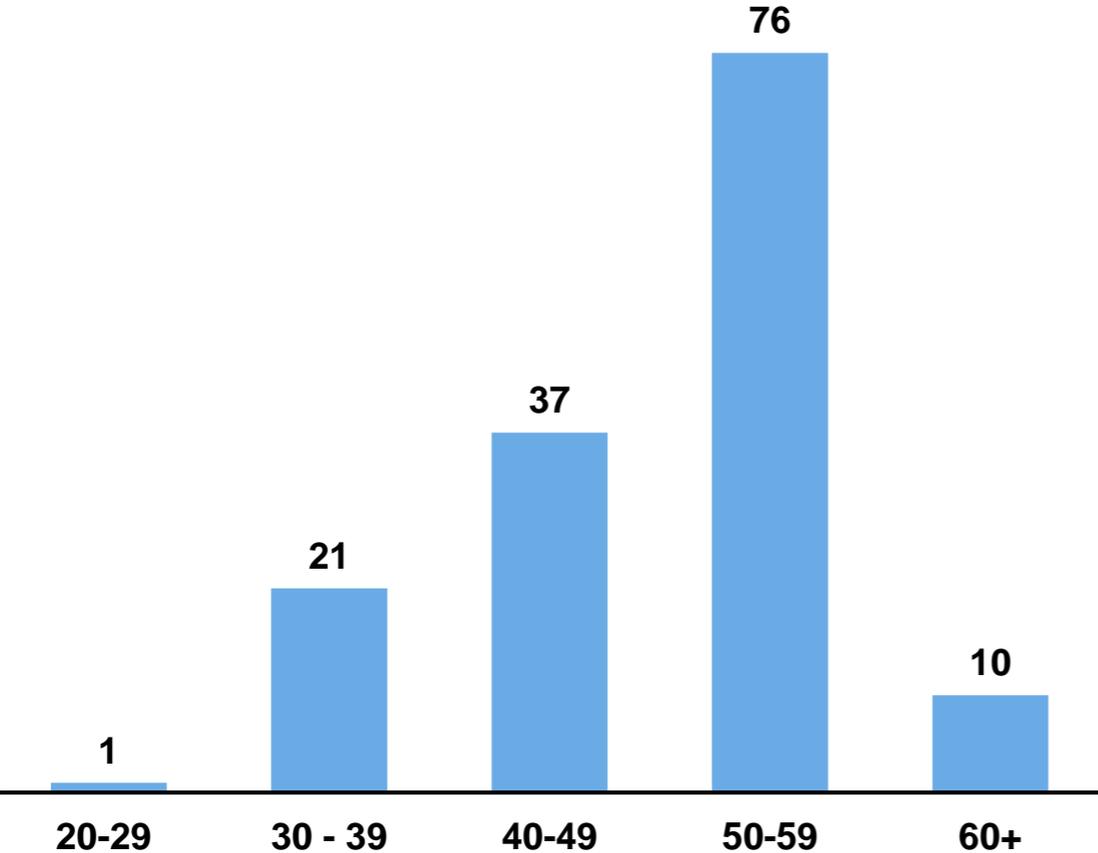


Cases and deaths per region to date

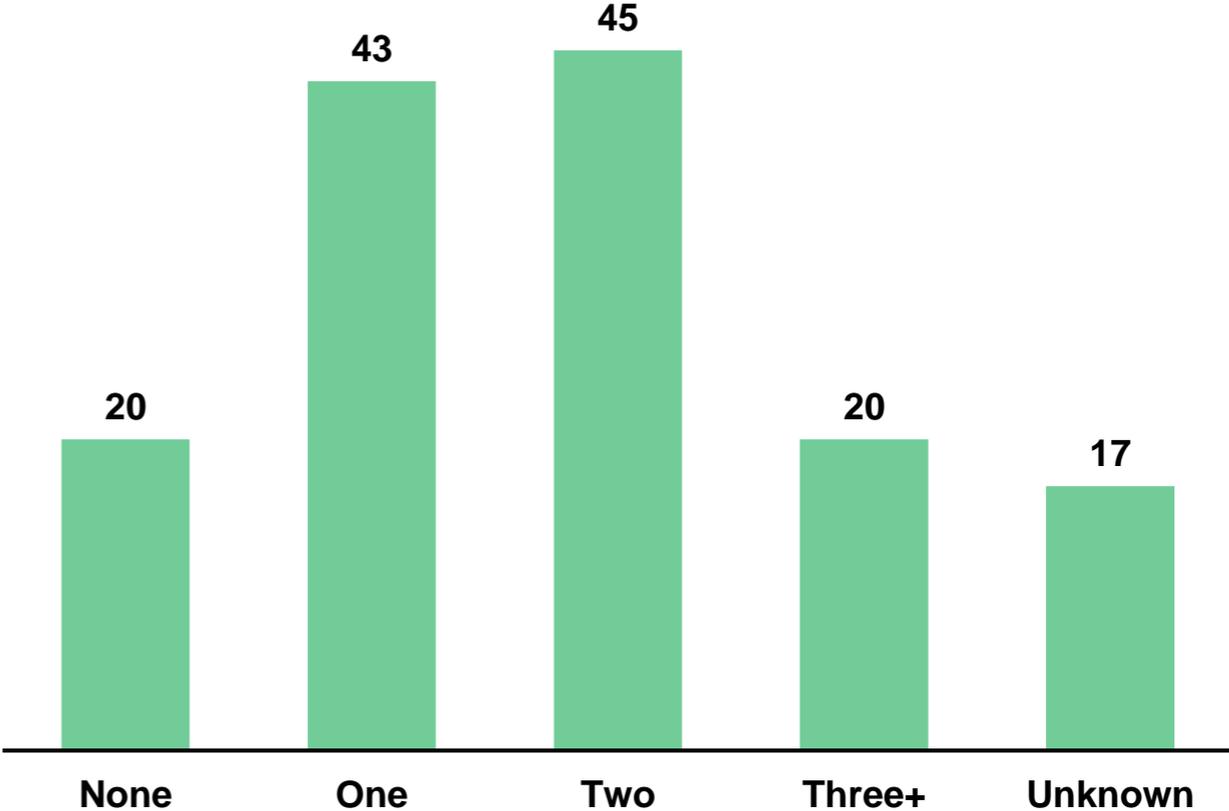


Analysis of deaths

Age distribution



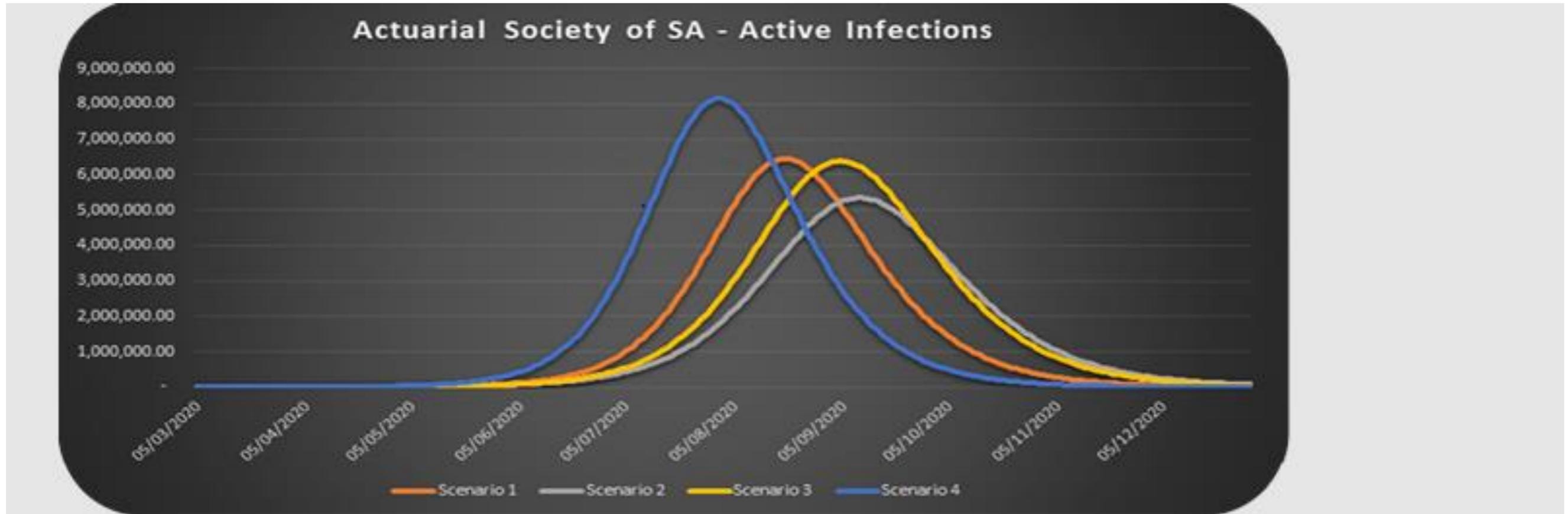
Comorbidities



Upscaling Testing Capacity



Forecasting demand



The key differences between the scenarios relates to the infection rate (i.e. the average number of people that each infected person infects) and the impact of the social distancing interventions – our modelling is closest to scenario 2 showing a peak in infections during September |

Collaborative venture in upscaling testing capacity

Map out existing capacity in mining companies

- Explore partnership with companies that already has labs set up
- Harness the real power of networks and explore partnerships

Define the objectives
Set target to track the evolution of the initiatives

- Set out the principles for a collaborative venture
- Set out the key commercial terms and conditions
- Establish a Project Committee

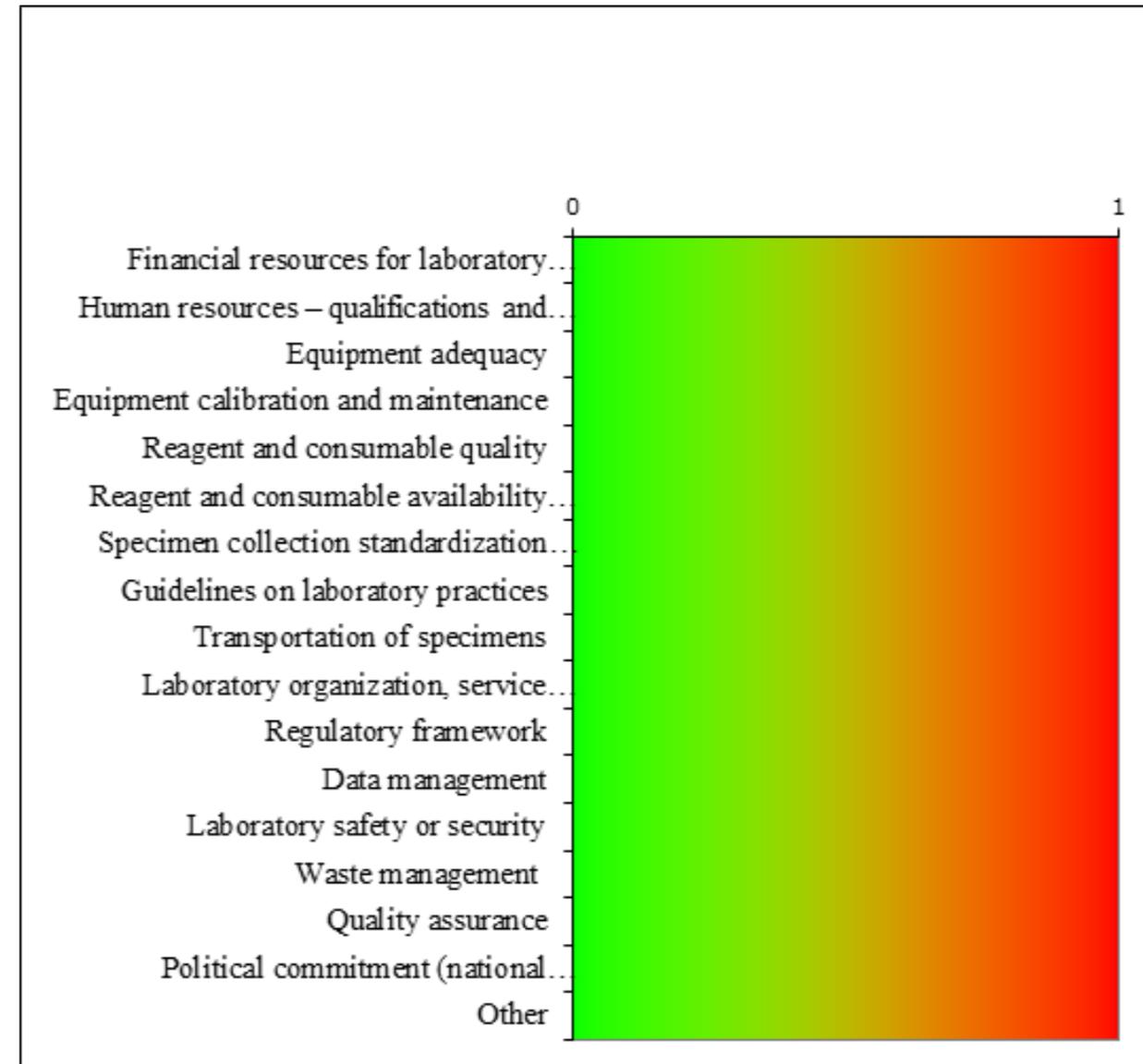
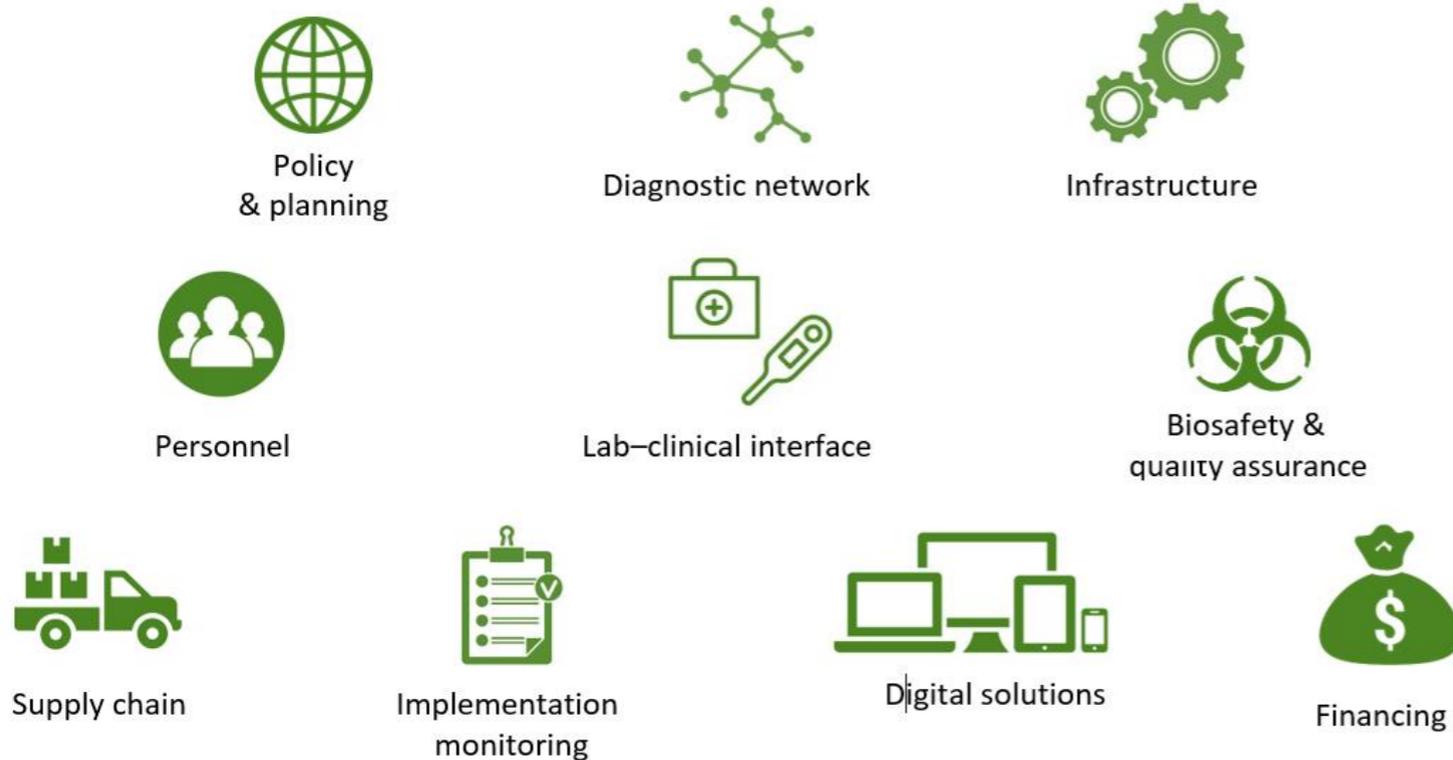
Support national efforts to address testing capacity

- Engage with local DOH at regional level to support community testing in specific high incidence areas

Ensure compliance with regulatory body & reporting requirements

- Licensing, reporting accreditation & compliance certification

Key considerations for laboratory



Seriti testing stats

Mine	total headcount	Covid+ cases	% prevalence	+ve rate per 1 000	PCR Tests	testing percentage of total workforce	testing rate per 1'000	+ve rate per test
Kriel Colliery	1500	129	9%	86	340	23%	227	38%
New Denmark Colliery	1991	150	8%	75	358	18%	180	42%
New Vaal Colliery	1756	181	10%	103	531	30%	302	34%
New Largo Coal	184	14	8%	76				
Head Office / Smokey Mountain	88	4	5%	45	13	15%	148	31%
Seriti Coal Total	5519	478	9%	87	1242	23%	225	38%



MANAGING THE PANDEMIC COVID-19 TESTING

DR. JOSEPH MATJILA
GROUP MANAGER: HEALTH AND SAFETY

SEPTEMBER 2020

COVID-19 IS A
COMMUNICABLE DISEASE
that can affect anyone, for which
there is currently no vaccine.

*Therefore, early diagnosis is part
of our response in the absence of
a vaccine.*



EXXARO'S
HEALTH AND
WELLNESS
STRATEGY IS AN
INTEGRATED
APPROACH TO
HEALTH AND
WELLNESS



THE PREVENTATIVE & MANAGEMENT MEASURES FOR COVID-19 FIT WITHIN OUR HEALTH & WELLNESS STRATEGY

Based on the following pillars:

Prevent 

Diagnose 

Manage 



EXXARO'S RESPONSE MEASURES

Exxaro established private testing capacity at two of its Business Units to diagnose COVID-19.

Grootegeluk mine's Marapong occupational health facility in Lephhalale, Limpopo.



Matla coal mine's occupational health centre in Kriel, Mpumalanga.

ABOUT THE LABORATORIES

- For Exxaro group of companies;
- Shared with Seriti Resources in Mpumalanga;
- And Eskom in Limpopo to test their employees;
- Support the local public health departments.



ACCREDITATION OF THE LABORATORIES

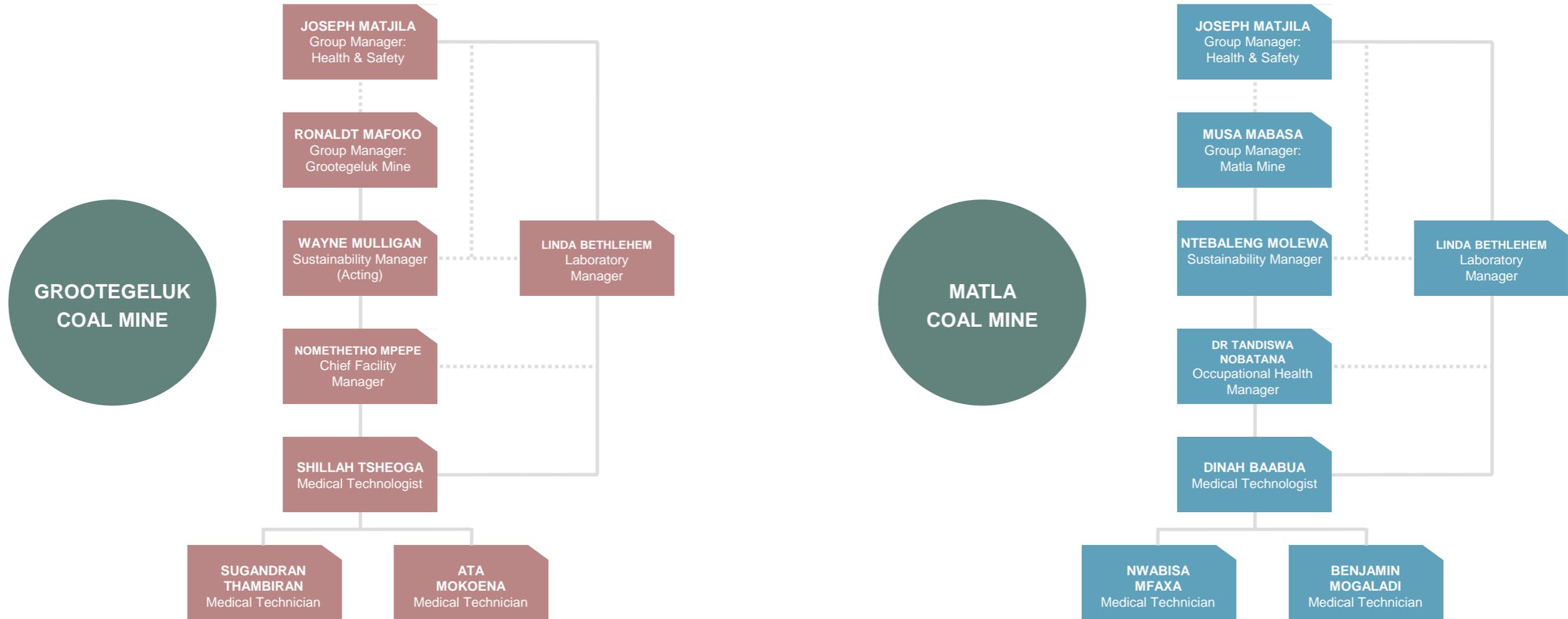
- Currently Exxaro can only perform tests in-house (for staff members only).
- Exxaro has applied for a certification of the laboratories to the National Department of Health.
- Upon receipt of the certification, an MoU will be concluded with the National Health Laboratory Services for accreditation to test communities.
- The PCR laboratory equipment is certified by – ThermoFisher Scientific.
- The biological safety cabinet is certified by – Air Filter Maintenance Services RSA.
- All laboratory equipment is approved by the South African Health Products Regulatory Authority (SAHPRA).
- All laboratory personnel are registered with the Health Professional Council of South Africa (HPCSA).
- The laboratory procedures are validated by a professional pathologist.



THE PCR TESTING AS APPROVED BY WHO

- PCR-Test, is a COVID-19 specific Reverse Transcriptase Polymerase Chain Reaction (RT-PCR) test
- The RT-PCR test is both specific and sensitive
- The PCR analyser executes a maximum of 96 tests on a run (a full run in 2.5 hours)
- Results can be available within 3 hours

LAB PERSONNEL STRUCTURE AT GG & MATLA COAL MINES



LAB PERSONNEL STRUCTURE AT GG & MATLA COAL MINES



UTILISATION OF THE LABORATORIES



Kriel Colliery

New Denmark Colliery

New Vaal Colliery

New Largo Coal



Matimba PowerStation

Matla PowerStation

Medupi Powerstation

Matla Powerstation



Grootegeluk

Matla

FerroAlloys

Cennergie

ECC

Leeuwpan

Belfast

The conneXXion

Mafube



THANK YOU

exxaro
POWERING POSSIBILITY

TESTING AS A MANAGEMENT TOOL

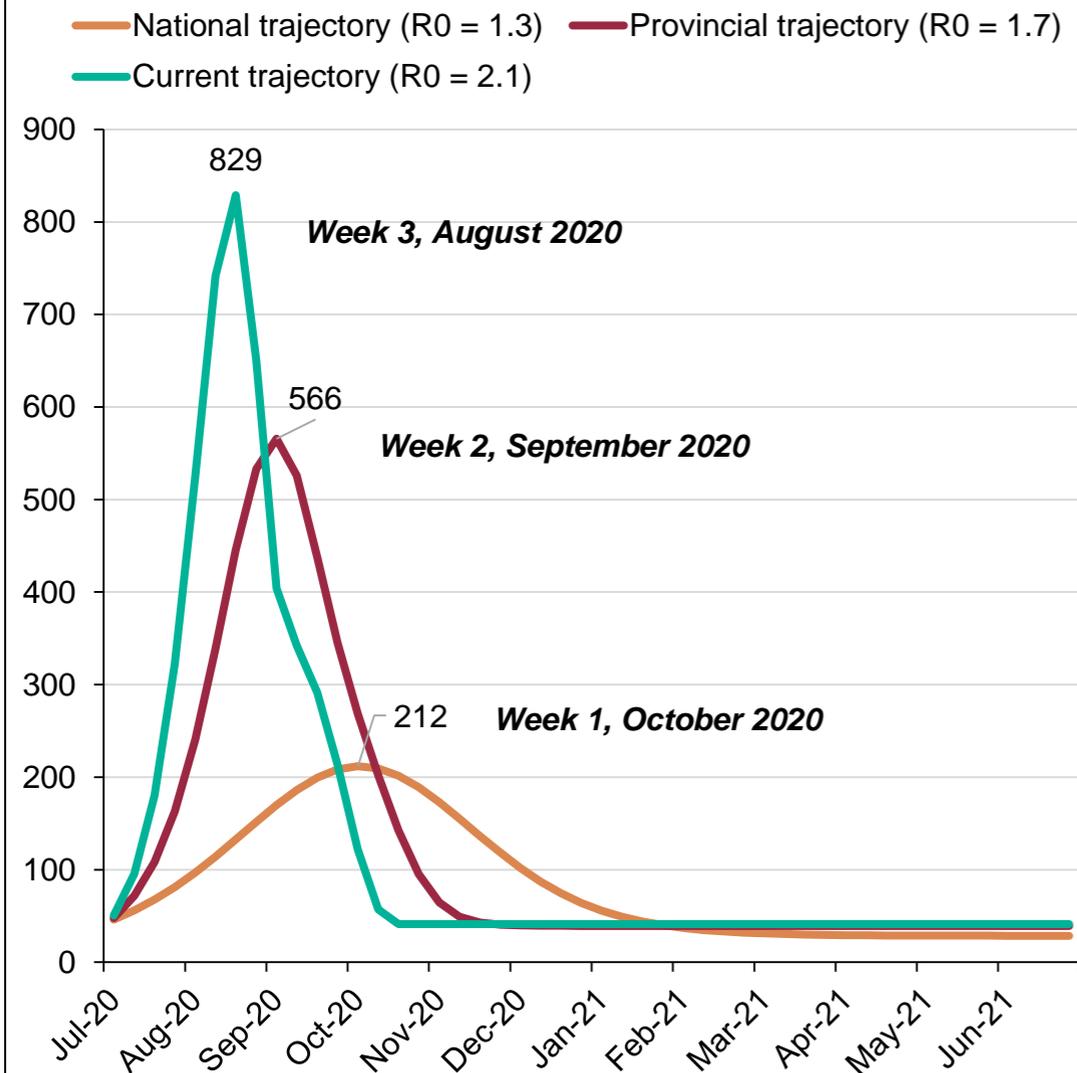


Testing Categories

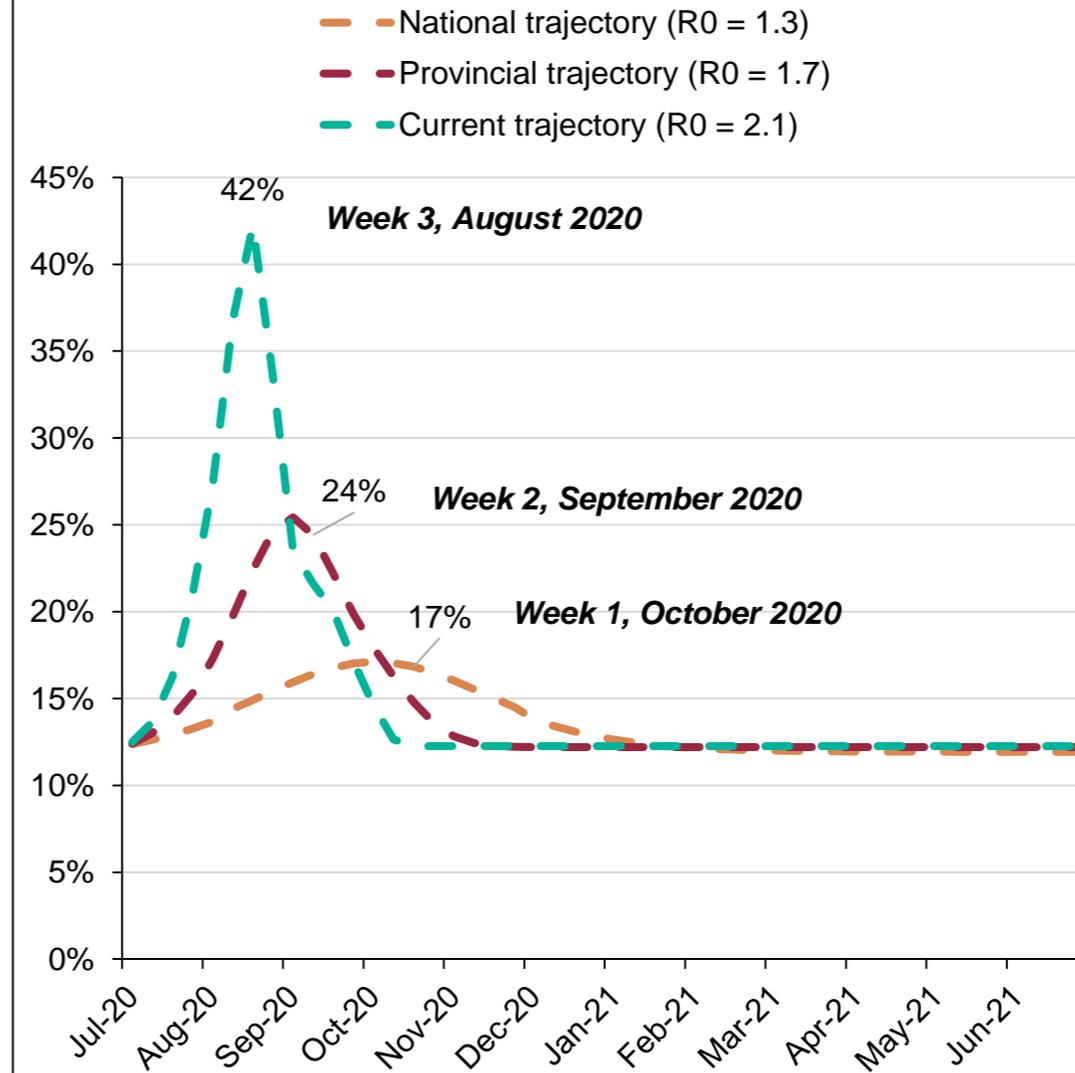
At risk	Returning to work	Risk-based sampling	Persons under investigation
<p>Cyclical testing of employees potentially exposed to the virus, (such as health workers, ER24 and security teams)</p>	<p>All recalled employees tested as part of fitness to work assessments before resuming duties and before being allowed to enter mine</p>	<p>60 - 80 employees tested per day to pick up potential cases very quickly</p>	<p>Individuals tested on a case-by-case basis as a result of self declaration, screening or contact tracing.</p>

Example of modelling applied (1) - Scenario planning

SEIR profile



Absenteeism profile



Scenario	R ₀ value	Test rate
National	1.3	3%
Gauteng	1.7	2%
Current	2.1	50%

Key assumptions

- R0 value for South Deep has been reversed engineering using an epidemic calculator
- Planned absenteeism at 5% (exc. training and leave)
- All vulnerable at 159 employees
- SADC employees at 88 employees
- Disruption factor included in absenteeism

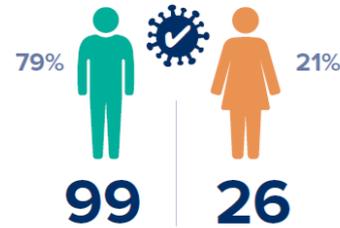
4th evolution of modelling based on National, Gauteng, and Current trajectories (1st week - July 2020)

Portraying testing results

POSITIVE CASES PER AGE CATEGORY

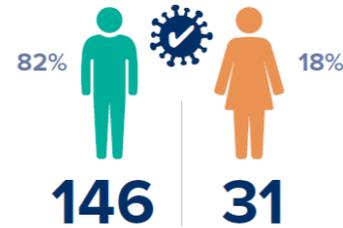
BETWEEN 20-35 YEARS OLD

Total number positive COVID-19 cases in this age group



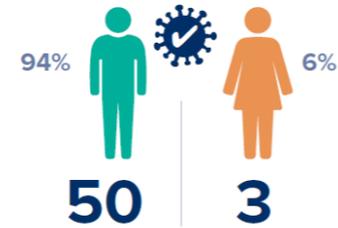
BETWEEN 36-50 YEARS OLD

Total number positive COVID-19 cases in this age group



BETWEEN 51-65 YEARS OLD

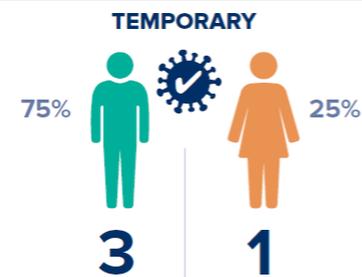
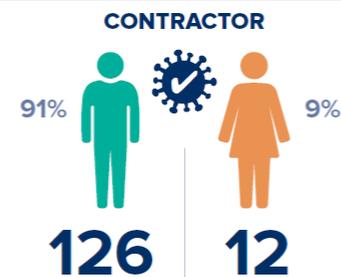
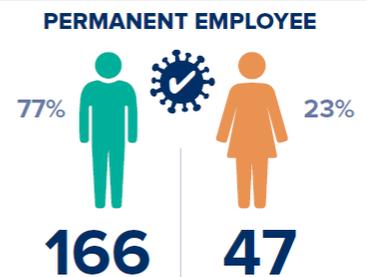
Total number positive COVID-19 cases in this age group



POSITIVE CASES PER TESTING CATEGORY



POSITIVE CASES PER EMPLOYMENT CATEGORY



	At risk		Returning to work		Risk-based sampling		Persons under investigation		Total
	This week	Total	This week	Total	This week	Total	This week	Total	
Tested (1 st round)	0	169	6	1 961	2	1 974	0	132	4 236
Tested (2 nd round)	0	1	0	0	83	624	0	0	625
Positive	0	4	0	56	0	224	0	71	355
Negative	0	166	0	1 898	0	2 288	0	61	4 413
Awaiting results	0	0	6	7	85	86	0	0	93
Deceased	0	0	0	0	0	0	0	1	1
Active cases	0	0	0	6	0	15	0	5	26
Recovery testing	0	4	0	18	0	90	0	33	145
In hospital	0	0	0	0	0	0	0	0	0
Recoveries									
Recovered as per NICD	0	4	2	55	8	221	2	71	351
Recovered (back at work)	0	4	2	50	12	209	0	65	328
Unfit for Work/ Sick leave	0	0	0	2	0	3	1	3	8
Medical Assessment in Progress	0	0	2	3	6	9	0	2	14
Not yet Assessed	0	0	0	0	0	0	0	0	0
Deceased	0	0	0	0	0	0	0	1	1

THANK YOU



Corporate Social Investment Initiatives
Real Time PCR Equipment Sponsorship – Ndlovu Care Group

Ndlovu Care Group:



Ndlovu Care Group Report



Donation funded purchase of RT PCR Equipment



COVID-19 DASHBOARD

Date; 31/08/2020 for information up to 30/08/2020

New Cases reported 30 August
2020: Two (2)

GLENCORE

Alloys Statistics

Deaths: 3
Cases Tested: 1658
Tested Negative: 1168
Tested Positive: 497
Active Cases: 39

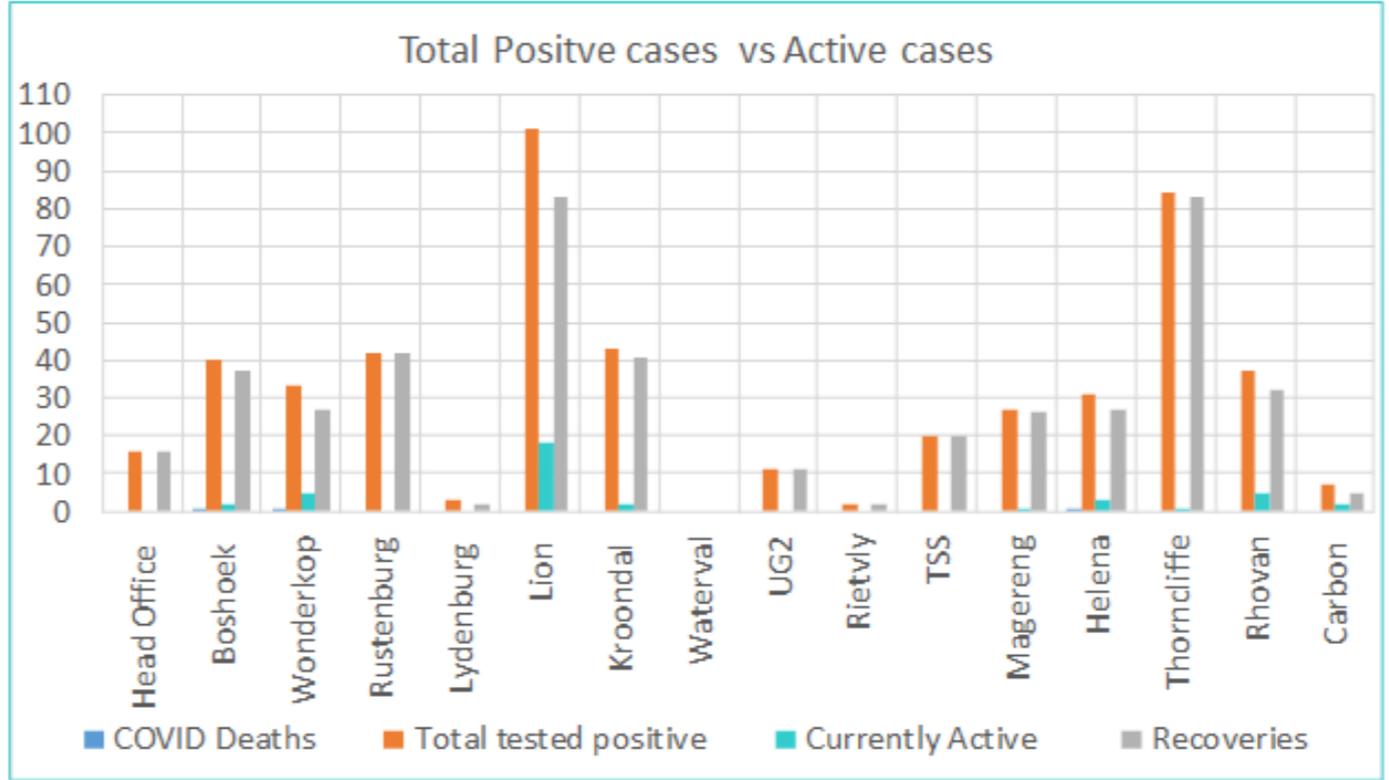
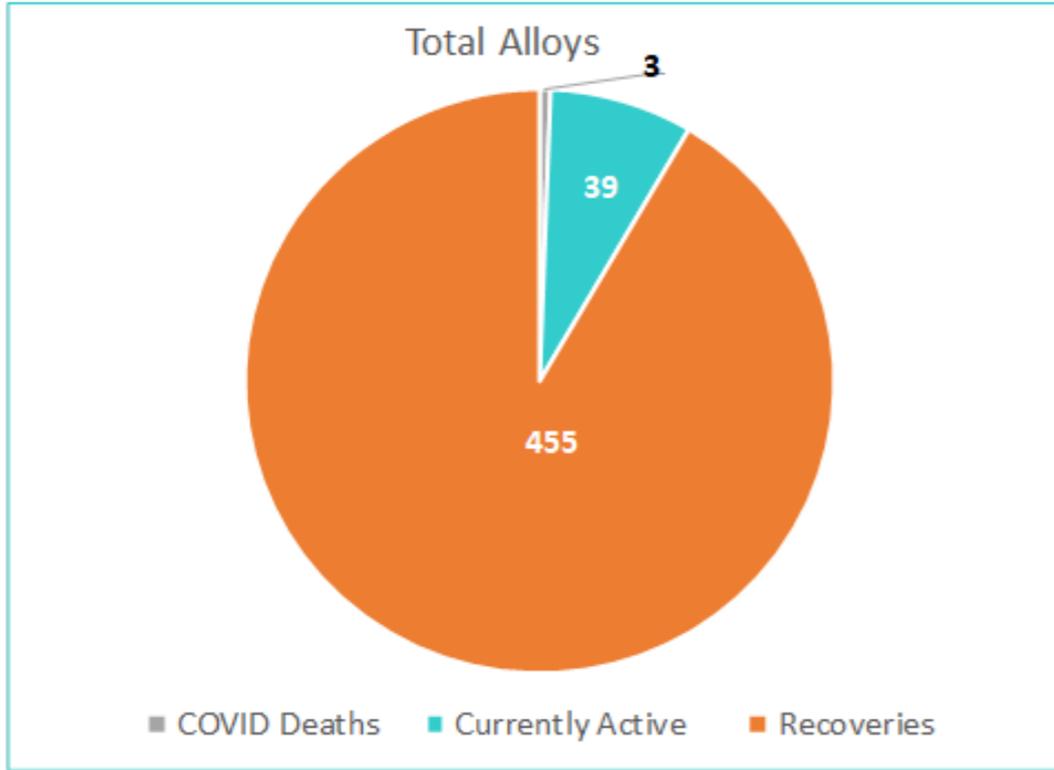
Alloys Statistics

Section	Referred for testing	Tested Positive	Tested Negative	Positive active cases	Recovered cases
Total Alloys	1658	497	1168	39	455
Smelters	776	219	570	25	192
Mines	718	218	494	7	210
Rhovan	123	37	86	5	32
HO	26	16	10	0	16
Carbon	15	7	8	2	5

SA Statistics

	Cases	Deaths	Recoveries	Daily increase	Active Cases
SA	625,056	14,028	538,604	2,505	72,424
Gauteng	209,648	3,572	179,827	525	26,249
Limpopo	13,167	179	11,939	128	1,049
Mpumalanga	24,132	341	22,017	186	1,774
North West	25,240	240	18,412	154	6,588

SA Daily changes 2 505 ↑ positive cases and 400 ↑ deaths





GLENCORE



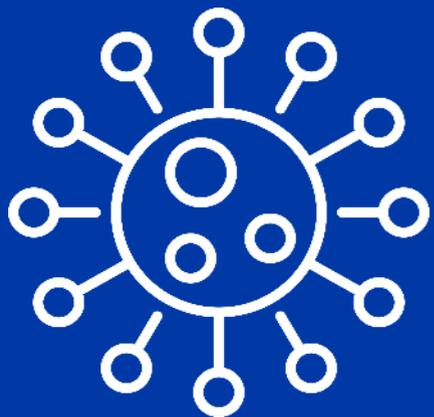
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