

DIGITAL PRESS CONFERENCE

Health Update

Dr K Cloete

19 January 2021



Overview

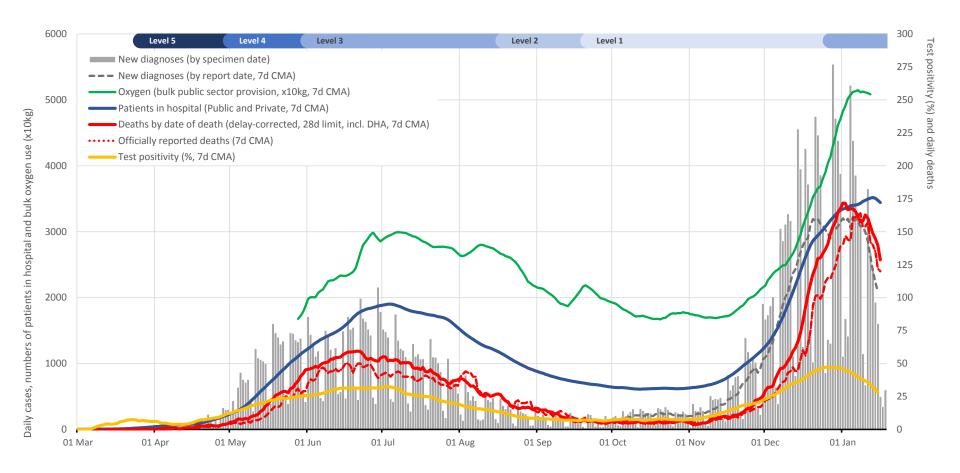
- 1. Surveillance & Response Update
- 2. The health platform COVID capacity
- 3. Scaling down non-COVID capacity
- 4. Safe-guarding well-being of health care workers
- 5. Vaccine strategy
- 6. Key messages for coming months
- 7. Conclusions



Surveillance & Response Update



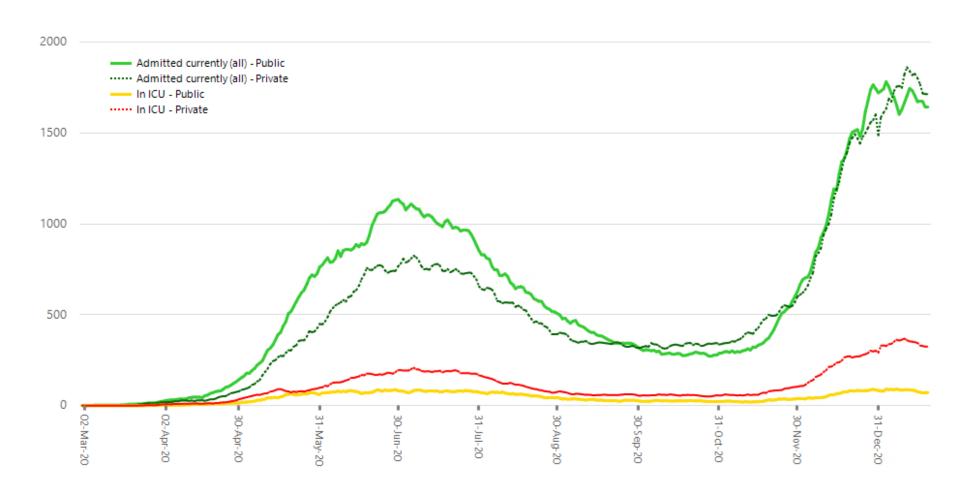
Integrated testing, case, hospitalisation and mortality trends





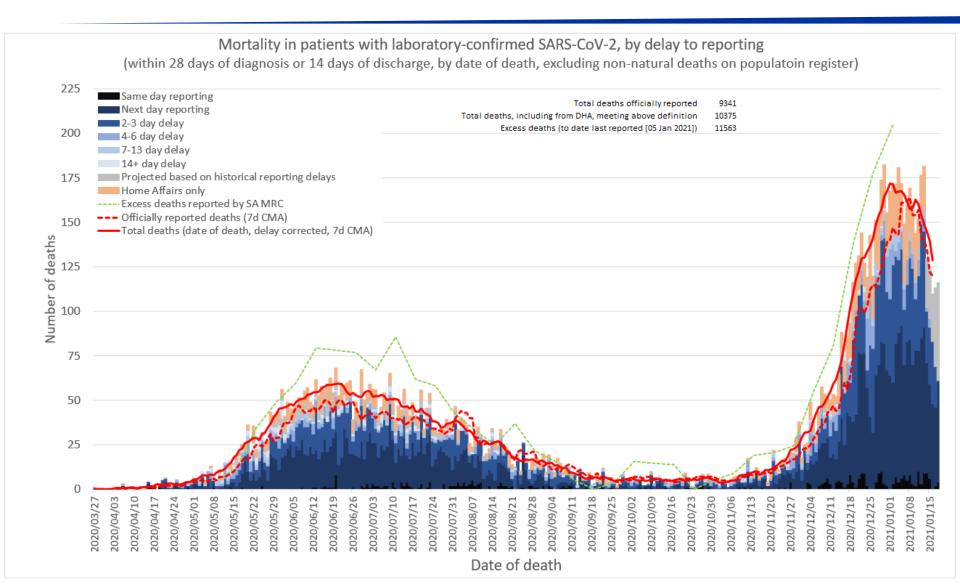
Hospitalisation trends of patients with confirmed SARS-CoV-2

(including specialised hospitals, excluding PUIs)





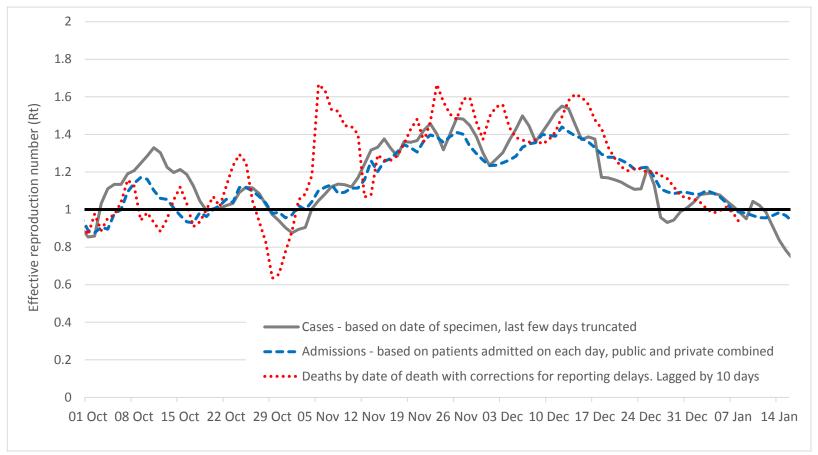
Mortality by date of death





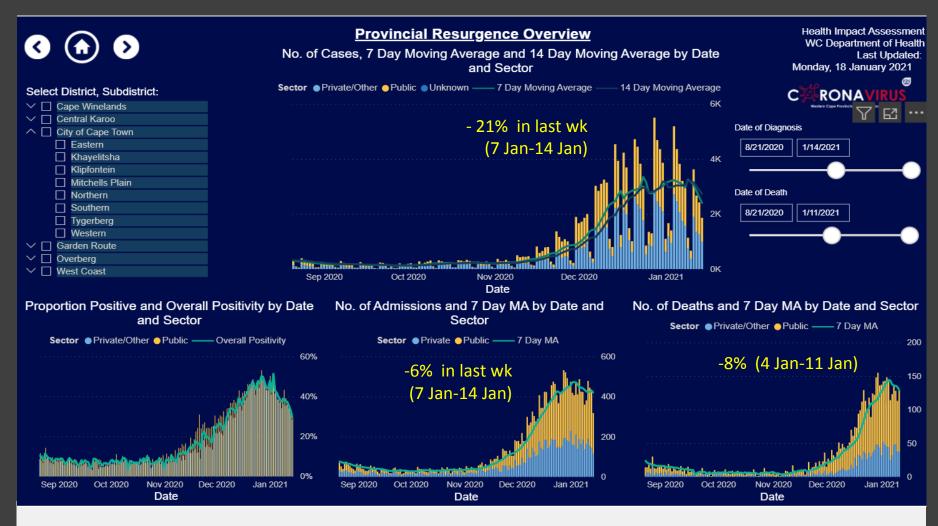
CMA - centred moving average

Current reproduction number (province-wide)



Calculated using epiestim





Provincial Overview

We start with the positive news that the total case numbers have dropped by 21% and is showing a downward trajectory. Importantly, this is not being influenced by testing as we did a record number of tests between 7 and 14 January 2021.

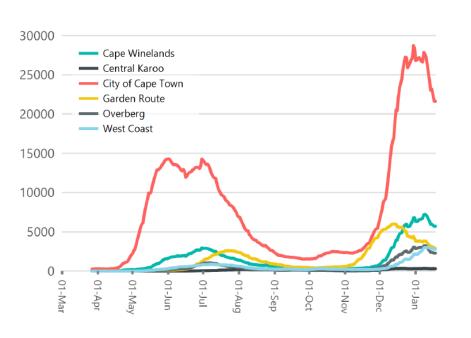
The **proportion positive** has dropped further and was **29.6%** on the 14th January 2021. This from a high of over 50%. The dropping proportion positive explains why we have declining cases, despite record testing.

Adding to the positive news is the slight drop in hospital admissions. **Hospital admissions and occupancy have plateaued** and reports from the hospitals are that there is a slight decrease in pressure.

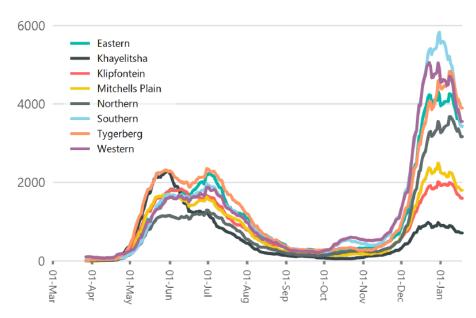
Finally, **deaths have stopped increasing**. This is important to note, particularly if we consider that a week ago we reported a 23% increase in deaths. This is an early positive sign and we will watch this measure over the next week.

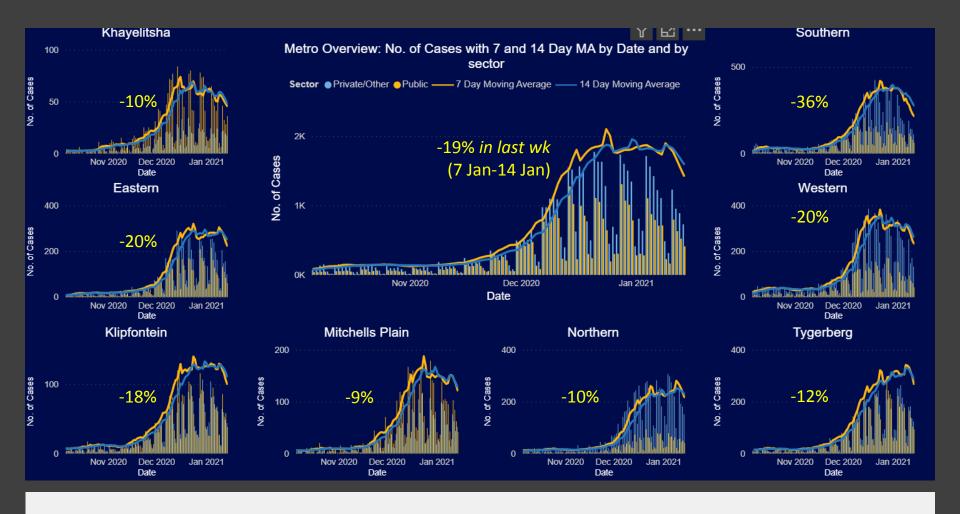
Active cases

Districts



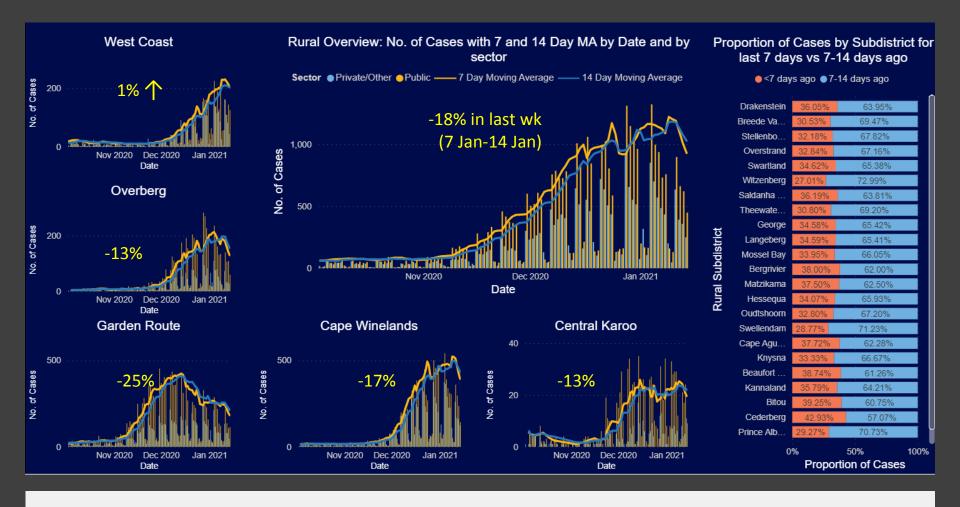
Cape Town subdistricts





Metro Overview

- Case numbers across the Metro have dropped by 19%, even in the context of increased testing.
- This drop is consistent across all sub-districts with a particularly large decline in the Southern sub-district- 36%



Rural Overview

- There has been an 18% decline in new cases in Rural.
- Only the West Coast shows an increase in cases, and even that appears to be increasing at a lower rate.
- All other sub-districts show a decline in cases.

Triangulating with wastewater



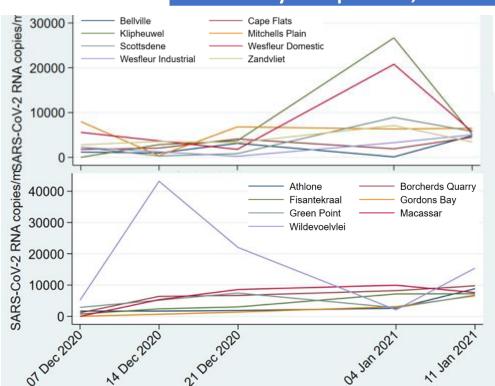


SAMRC COVID- 19 AND WASTEWATER EARLY WARNING SYSTEM

WEEK

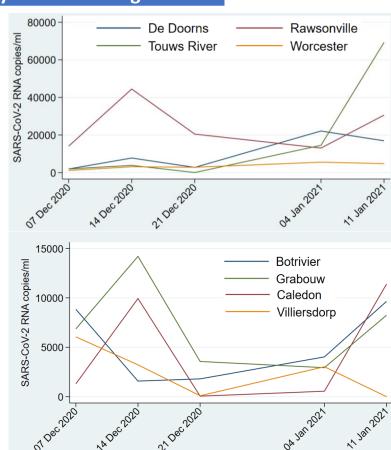
2021

City of Cape Town, Breede Valley AND Overberg



Metro: Declines in SARS CoV-2 RNA signal at several sites with previous spikes but some increases noted in:

Athlone Bellville Cape Flats **Gordons Bay** Wildevoelvlei Also increase in airport pump station.



Breede Valley:

Noticeable increase in Touws River (highest levels to date) and Rawsonville

Theewaterskloof:

Increases in Caledon, Botrivier and Grabouw

18 January **2021**

Surveillance Huddle Report



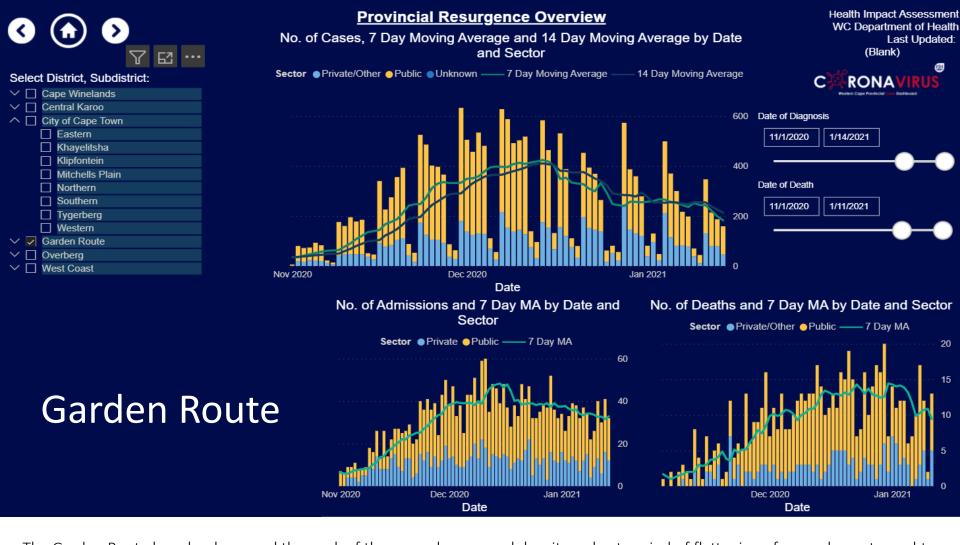
Surveillance Update - Monday 18 January 2021

Metro

KESS	Numbers are stabilizing
KMPSS	 Nothing major to report. Numbers are stabilizing and no clusters at this stage. The third ward at Aquarius Hospital of Hope opened on Friday and we now have 116 patients altogether
NTSS	 A decline in cases in both Northern and Tygerberg sub-districts has been noted Mostly household contacts as cases Retirement Villages with independent living units are problematic as clients move freely between the retirement village and the greater community
SWSS	 Nothing major to report We are embarking on screening and testing at a few congregate settings We are supporting workplaces that have concerns

Rural

 Mobile Test lab at Ceres Hospital – support with reducing the PUIs in the 						
EC						
Hospital O2 supply stable						
Non COVID admissions— high burden						
Case numbers increasing						
 Deaths increasing 						
 Identified lots of family clusters and "street clusters" – positive cases in 						
the same street.						
 Cluster outbreak at old age home in Beaufort West 						
 Only Hessequa and Kannaland with problematic new numbers now, 						
Hessequa starting to improve now						
Hospitals: Oudtshoorn and Riversdale remain at the same busy level, but						
manageable. Other district hospitals manageable.						
 George Hospital shows decreased pressure for the first time in a long 						
<mark>while.</mark>						
 Overall, we are down from the peak, but numbers still not coming down 						
nicely and now hovering at a level which is still quite high; i.e. every day						
sub-districts still getting ongoing ± same number of new cases or slightly						
less; not sure what this means but is not re-assuring.						
Definite decline in positive cases since Friday						
Substantial number of patients currently hospitalized (± 87) in public and						
private hospitals (in the District and Metro hospitals)High numbers of healthcare workers infected (32 active cases currently)						



The Garden Route has clearly passed the peak of the second wave, and despite a short period of flattening of cases, has returned to a downward trajectory of new cases.

Cases and hospitalisations are on a downward trajectory.

For the first time since the peak in mid-December, George Regional Hospital is experiencing a decrease in service pressure.

The health platform COVID capacity



The health platform COVID capacity – general comments

1. PHC capacity:

- a) The PHC facilities have offered **COVID testing**, and provided **triage** for **confirmed cases**.
- b) There has been active **de-escalation** of **non-COVID PHC services**.

2. Hospital capacity:

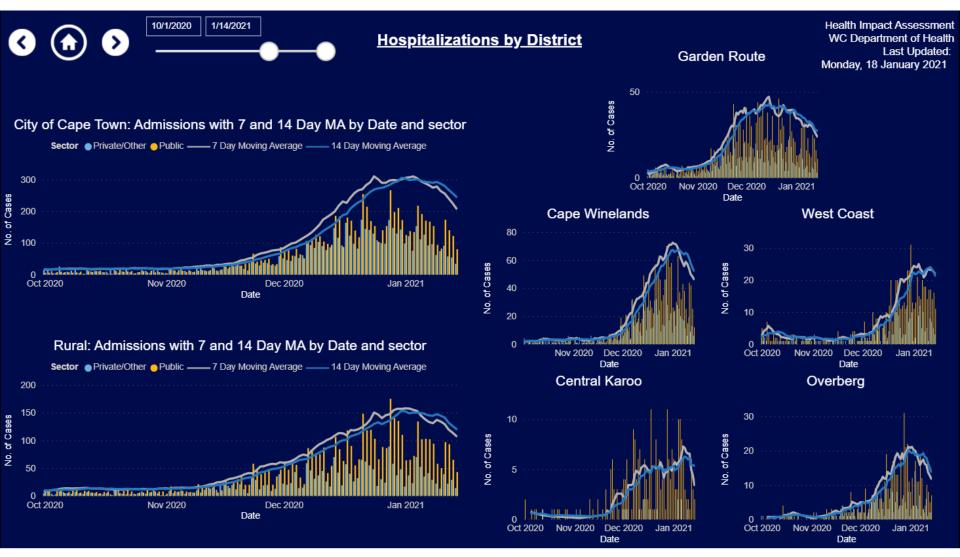
- 7 659 total acute operational public sector beds (excluding specialised beds at psych hospitals, TB hospitals, Red Cross hospitals, Mowbray Maternity hospital), for COVID patients.
- b) 626 inter-mediate care beds in Metro provisioned: 336 Brackengate Hospital of Hope, 90 at Lentegeur, 200 at MPH Hospital of Hope beds commissioned in an incremental fashion.
- c) We also have **64 intermediate care beds at Sonstraal Hospital**, in Paarl.
- d) We have opened only 20 beds of the potential additional 136 intermediate care beds.

3. Fatalities management capacity:

- a) Mass fatality centre in the Metro has capacity for **240 bodies** [COCT had initially retained an additional 96 spaces but these were not needed]; currently **85 decedents** (cumulative total of **1139** bodies) admitted.
- b) Mass fatality work group has successfully co-ordinated capacity across the province.



Hospital Admissions By Health District (public and private)





Admissions across the Province have plateaued, and this is being experienced as a decrease in pressure in most hospitals across the system. Hospitalisations follow new infections, and the recent decline in new infections is another positive sign. We remain nervously optimistic, and will watch this data over the next week.

Acute service platform – general comments

- Currently 3512 COVID patients in our acute hospitals (1977 in public hospitals & 1535 in private hospitals). This excludes PUIs and cases in specialised hospital settings.
- 2. COVID hospitalisations have begun showing a plateau whilst we continue to experience psychiatric pressures; trauma has decreased significantly.
- 3. The **Metro hospitals** are running at an average **occupancy rate** of **93%**; **George** drainage area hospitals at **60%**; **Paarl** drainage area hospitals at **76%** & **Worcester** drainage area hospitals at **67%**.
- Occupancies in the COVID general beds however reflect the COVID pressures with Metro
 hospitals at 86%; George drainage area hospitals at 51%; Paarl drainage area hospitals at 78%;
 Worcester drainage area hospitals at 55%.
- 5. COVID & PUI cases currently make up 31% of all available acute general hospital capacity in both Metro and Rural Regional Hospital drainage areas.
- 6. COVID inter-mediate care the Hospital of Hope (Brackengate) currently has 299 patients (2 897 cumulative admissions), Freesia & Ward 99 has 55 patients, Mitchell Plain Hospital of Hope has 136 patients and Sonstraal currently has 61 patients.



Acute service platform – general comments

- The temporary tents commissioned at the following hospitals: Khayelitsha,
 Wesfleur, Mitchell's Plain, Eerste River, Helderberg, Karl Bremmer, Brackengate –
 have been used for discharges mainly to ensure a more rapid turn-around time
 of the operational beds (Brackengate has two tents).
- 2. EMS and DTPW Taxi service have implemented an excellent streamlined transport system to assist with inter-facility transfers and rapid discharges, to optimise capacity across the platform.
- 3. Our data team has developed an integrated daily hospital bed availability and utilisation dashboard, which is also linked to available staffing and oxygen capacity at each of the hospitals, and across all 4 drainage areas in the Province.



Acute Care Availability & Utilisation per Drainage Area



WCDOH: Daily Operational Bed Status Dashboard as at 18/01/2021

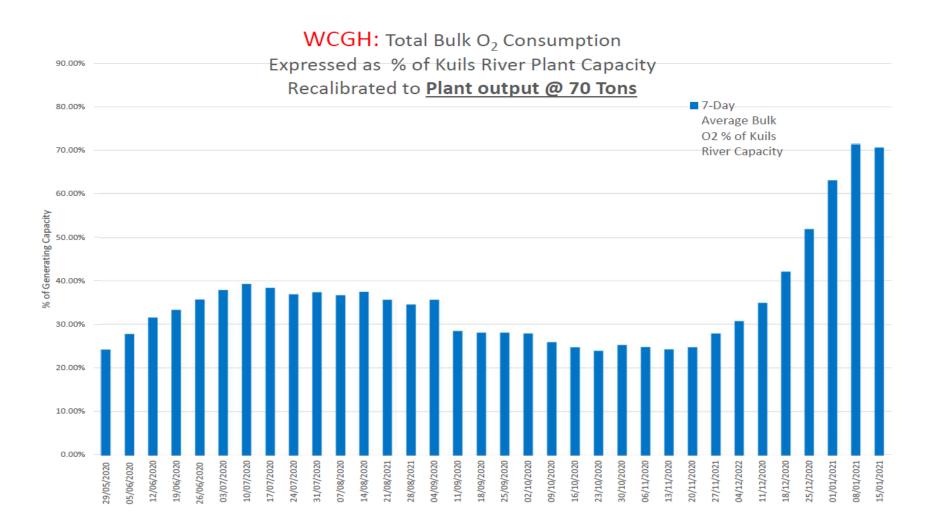
						BUR % for	BUR % for
Drainage Area		Filled				Designated Covid	Designated Covid
	Operational	Beds		COVID	% Covid	Beds(General	Beds(Critical
	Beds		BUR %	BUR %	patients	Wards)	Care)
Cape Town /Metro	5 011	4 644	93%	86%	30%	86%	100%
George	895	537	60%	51%	30%	49%	75%
Paarl	970	739	76%	78%	34%	75%	133%
Worcester	783	526	67%	55%	38%	56%	37%
SubTotal WCDOH	7 659	6 446	84%	76%	31%	76%	83%

Excluding Specialised Hospitals e.g. Mowbray Maternity, Psychiatric Hospitals, etc

Operational Bed = an inpatient bed available for inpatient use that is staffed and equipped.



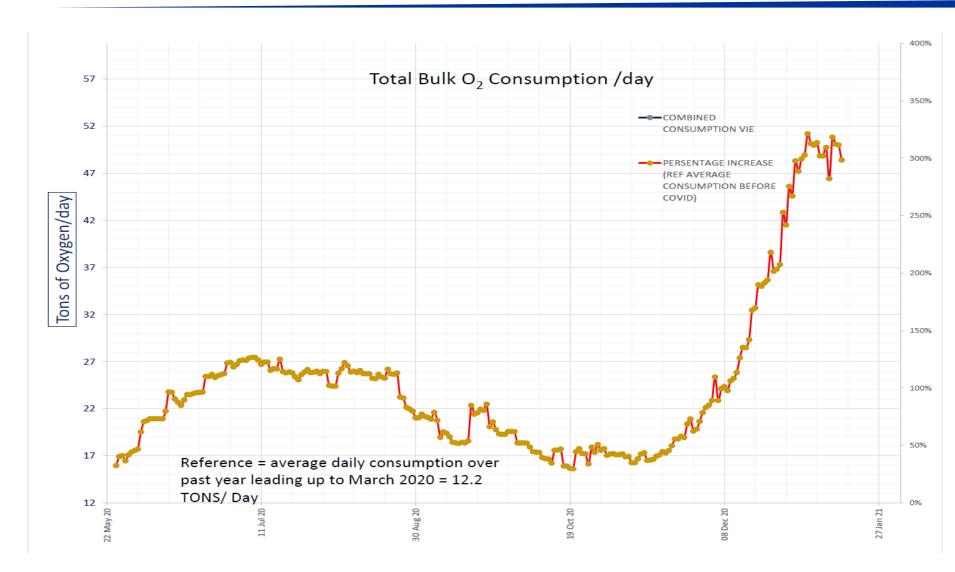
Provincial oxygen consumption at 70.56 % of total capacity





© Western Cape Government 2012 |

Total bulk oxygen consumption / day





Oxygen utilisation – general comments

- 1. The combined oxygen utilisation in the Western Cape Public and private hospital sectors is **72.8 tons/day** (after **a peak of 80 tons/day**).
- 2. Whilst Public sector hospital consumption is at **70.56%** of the Western Cape production capacity, the additional **29.44%** is used by the private sector the **combined utilisation** has still **above the maximal production capacity** of **70 tons/day** at the Afrox Western Cape plant.
- 3. Afrox continues to bring additional oxygen into the province daily, to augment the provincial supplies. There is 199 tons in all hospital tanks and the bulk store has 153 tons in reserve.
- 4. The Western Cape now have **4 bulk oxygen tankers** allocated for the daily delivery of oxygen supplies during this week.
- 5. We will **continue to monitor the utilisation of oxygen** over the coming weeks, but are confident we have **stabilised the situation**.

Scaling down non- COVID capacity



Scaling down non-COVID capacity – general comments

 The recent regulations have had a significant impact on reducing alcohol-related trauma, especially in the emergency centres and in critical care.

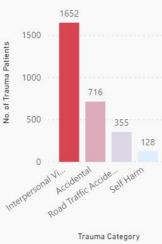
- 2. The **psychiatric pressures at acute hospitals** have also resulted in the need to bring on line **additional beds at psychiatric hospitals** to further decongest the acute hospital platform.
- The de-escalation of all other non-COVID PHC and hospital care activities has been managed actively across all hospitals on the service platform over this period.

How have the recent alcohol regulations affected hospital trauma presentations?



Overview of the impact of recent alcohol regulation changes on trauma presentations (01 Dec 2020-08 Jan 2021)

No. of Trauma Patients by Trauma Category

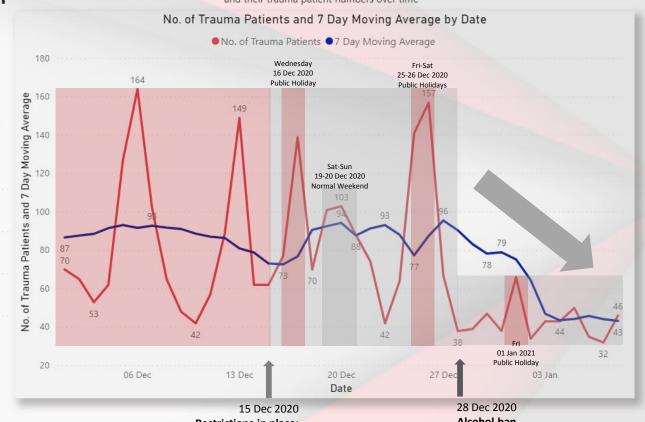


Date

1/12/2020 8/01/2021

WC Sentinel Trauma Report

This report shows a sample of hospital emergency centres and their trauma patient numbers over time



We saw a significant and sustained decline in trauma presentations to **Emergency Centres** immediately after the alcohol ban was reinstated.

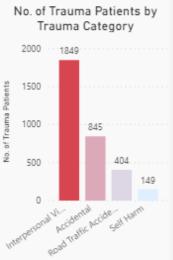
Restrictions in place:

- Nighttime curfew 23:00-04:00
- Retail alcohol sales restricted to Monday-Thursdays

Alcohol ban reinstated

Source: HECIS

Overview of the impact of recent alcohol regulation changes on trauma presentations (01 Dec 2020-17 Jan 2021)

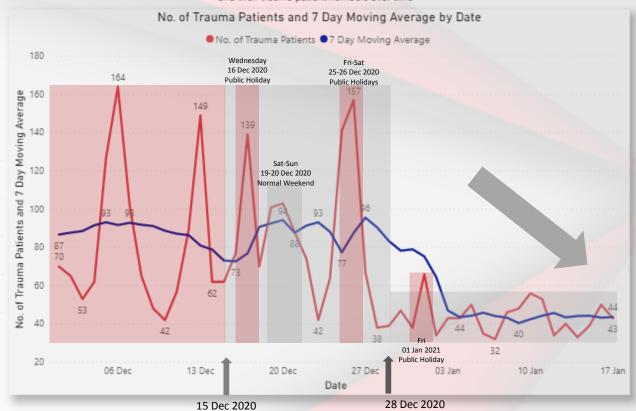




Trauma Category

WC Sentinel Trauma Report

This report shows a sample of hospital emergency centres and their trauma patient numbers over time

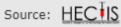


Since the reinstatement of the alcohol ban we see trauma presentations consistently remain low relative to the period just before the ban.

Restrictions in place:

Nighttime curfew 23:00-04:00

 Retail alcohol sales restricted to Monday-Thursdays Alcohol ban reinstated



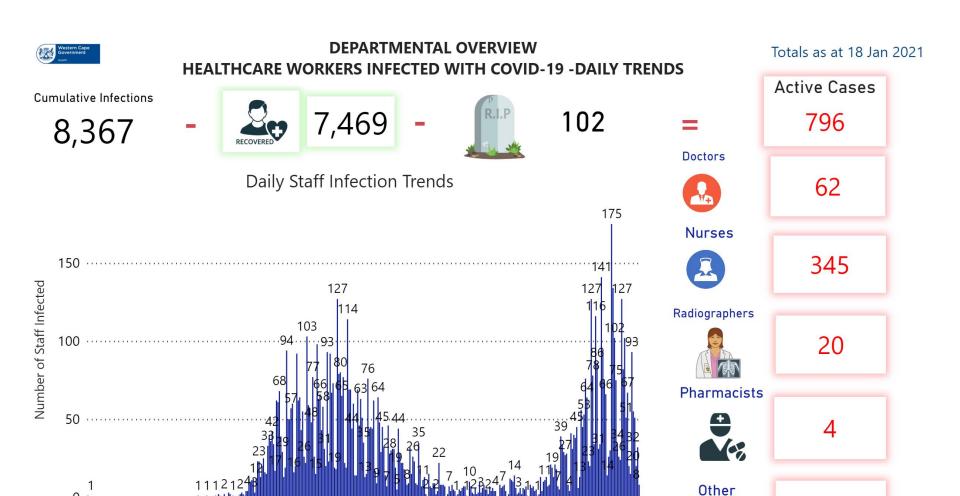
Safe-guarding well-being of health care workers



Safe-guarding health care workers – general comments

- 1. The biggest challenge is the high **COVID** infection rate amongst health care workers, and the impact on staff member isolation.
- 2. The availability of additional staff members for voluntary work, contract work and via agencies is also a significant challenge.
- 3. There is sufficient PPEs across all the health facilities, and in central storage, with additional orders being placed in recent weeks.
- 4. The system to provide on-site support to frontline staff in terms of mental well-being is being scaled-up.
- We have started an intentional process of grieving and healing for all health care workers, after the significant emotional and mental trauma experienced.





Mar 2020

May 2020

Jul 2020

Date of Diagnosis

Sep 2020

Categories

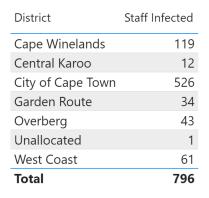
Jan 2021

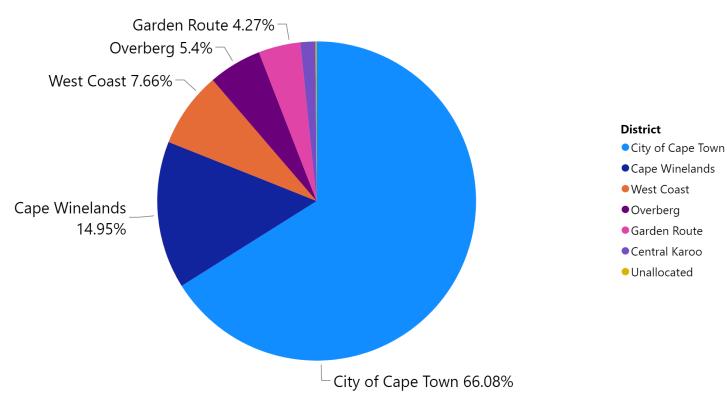
Nov 2020

365



DISTRIBUTION OF ACTIVE CASES PER DISTRICT





High Level Summary on Recruitment Drive



Category of HCW	Possibly Available	Appointed on PERSAL
MO	143	18
Enrolled Nurse(EN)	97	11
Enrolled Nursing Auxiliary (ENA)	114	10
Not Indicated	26	4
Professional Nurse	130	30
Professional Nurse with Specialty	34	8
	544	81

Institutions have made 529 Offers to the following categories of staff:

Reserved
Posts
10
36
469
1
1
1
11
529

Of the 529 offers made, 81 were recruited from the Recruitment Drive and the balance were recruited from internal sources at Institutional level.



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Vaccine Strategy



Introductory Comments - Vaccines

- The vaccine is the most powerful global weapon to turn the tide against the Covid-19 pandemic.
- 2. The **National Department of Health** is driving the **procurement process** and **we align** with their efforts.
- 3. We are informed that the **country** is on track to acquire from the Serum Institute of India 1 million doses of the Covishield vaccine (which is similar to the A-Z vaccine) by the **end of January 2021** and a further 500 000 doses in February 2021.
- 4. Further **negotiations** are being pursued on with **other vaccine suppliers** for **more stock** in addition to the stock to be secured via the **Covax initiative**.
- The Western Cape Department of Health is focussing on readiness to implement the vaccination programme in the province. An Implementation Framework has been finalised.



South African Framework



SCIENCE

Evidence-informed

Availability of vaccine

Need for a vaccine



ETHICS

Equity & justice
Transparency
Maximize benefit
Minimize harm



IMPLEMENTATION

Logistics
HCW training
Surveillance
Data plus M&E



Vaccines – the scientific facts

- 1. Most effective health intervention after provision of safe water
- Have saved millions of lives
- We give them to our children, use them when we are injured (e.g. tetanus vaccine) and when we travel (e.g. yellow fever vaccine).
- 4. Now we can use them to ease and end the COVID-19 pandemic.

Aims of COVID-19 vaccine in South Africa

- 1. Prevent severe illness and death
- Reduce transmission
- 3. Protect our health system







Vaccines licensed for COVID-19 (January 2021)

		_	
Characteristic	ChAdOx1-nCOV19	BNT 162b2	mRNA-1273
Developed by	University of Oxford/ Astrazeneca	BioNTech/ Pfizer	Moderna
TradeName	Covishield	Comirnaty	Name pending
Vaccine type	Adenovirus vector	mRNA-based	mRNA-based
Storage temperature	Standard fridge	Ultra-cold freezer	Standard freezer
Shelf life	6 months	6 months (5 days in a standard fridge)	6 months (1 month in a standard fridge)
Approximate cost	\$4	\$20	\$15-25
Availability	Wide through partnerships with 10 major pharma manufacturers	Limited availability in Africa in 2021	No availability in Africa in 2021
Dosing schedule	Two shots 4 weeks apart	Two shots 4 weeks apart	

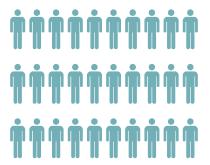
ChAdOx1-nCov19 vaccine best choice for wide-scale use in South Africa

Our first 1.5 million doses have been secured from the world's largest vaccine manufacturer: The Serum Institute of India

Government

ChAdOx1-nCov19 vaccine reduced symptomatic test-positive cases by 70% in 11 636 participants

30 people who got the COVID vaccine developed COVID-19





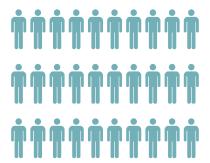
101 people who did not get the COVID vaccine developed COVID-19



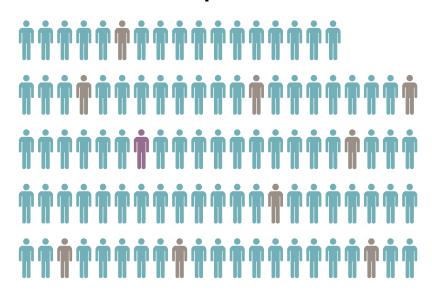


No-one who received the vaccine developed severe COVID, needed to be hospitalised or died

30 people who got the COVID vaccine developed COVID-19



101 people who did not get the COVID vaccine developed COVID-19











What can be expected from the vaccine?

Common side effects

- Discomfort at injection site: upper arm (common)
- Flu-like symptoms: resolves within 4-5 days (common)

Note: This is your body's immune system reacting to the vaccine and is not COVID. The vaccine will not give you COVID.

Protection

- Against symptomatic COVID, particularly severe COVID and death
- Best 3 weeks after 2nd dose of vaccine (but some protection immediate)

Continued use of masks and social distancing

Until more is known about asymptomatic transmission



Phases and Prioritisation Groups

Phase I

- Health Care Workers:
 - Public & Private Health Sectors
 - Care Workers
 - CHWs
 - Health Science students
 - Traditional Healers
- Estimated target:
 - 105 000

Phase II

- Essential Workers
- Clients in congregate settings
- Older than 60 Years
- Older than 18 yrs with Co-morbidities
- Estimated target :
 - 2m

Phase III

• Older than 18 years

- Estimated target :
 - 3m



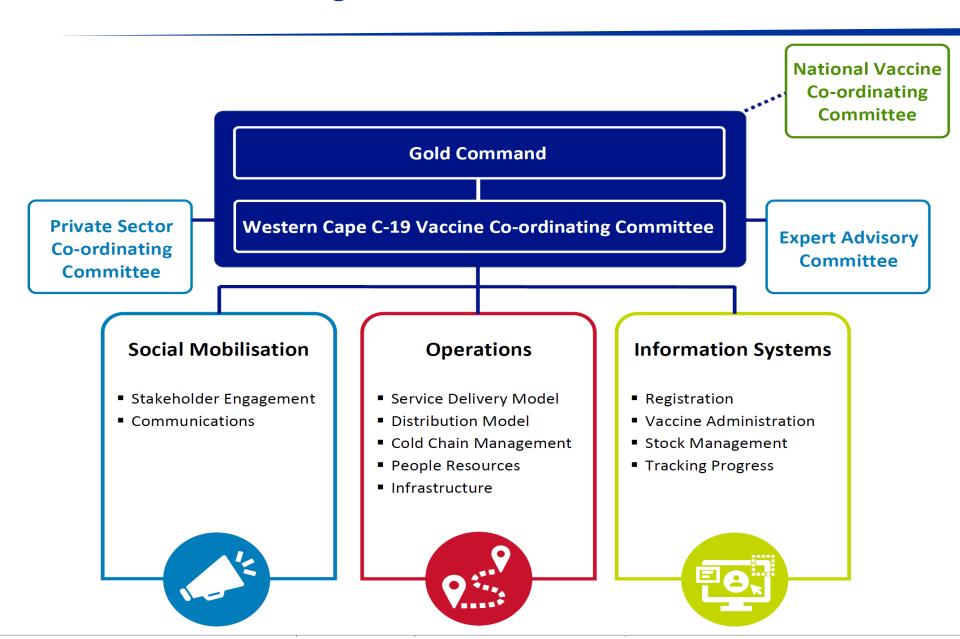


Estimating the scale of the roll out programme

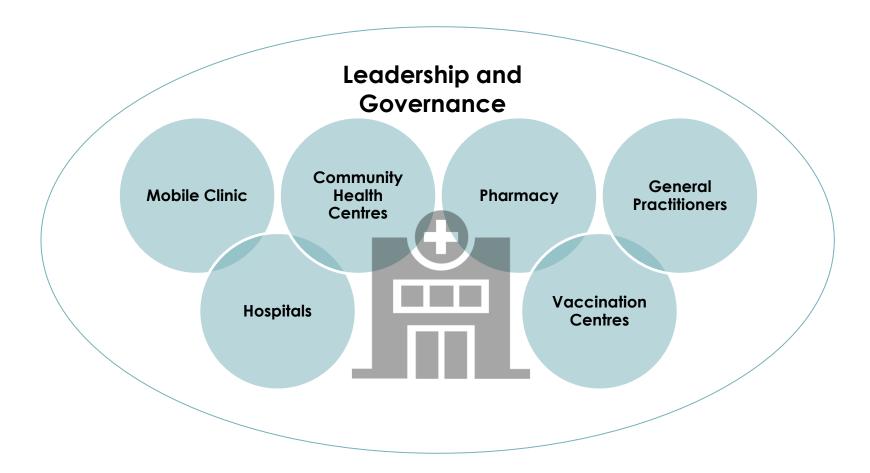
PHASE	TARGET GROUP	No. of PEOPLE ³
Phase 1	Health Workers	103 535
Phase 2	Essential workers	99 582
	Congregate living settings	26 800
	People 60 years and over	723 168
	People 18-59 years with co-morbidities	1 149 582
	Total number of people to be vaccinated in Phase 2	1 964 250
Phase 3	People 18 years and older not included in the previous 2 phases	2 907 096
	5 010 563	



Governance Arrangements



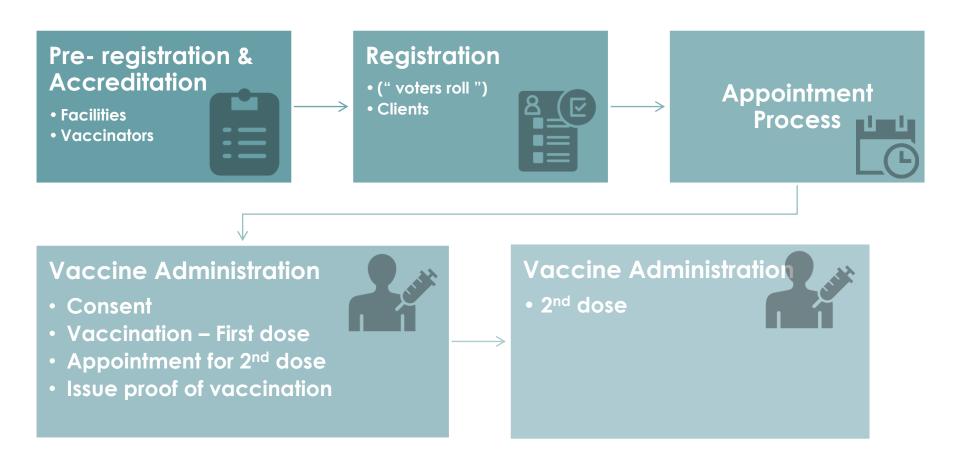
Geographic based service delivery model





United approach between public, private and civil society

Functional processes





Above processes supported by adequate supplies, infrastructure, skilled people and data systems

Communication & Messaging

1. Honest and transparent communication to build trust is essential.

2. Focus Areas:

- a) Motivating people and all sectors of society "lets unite to vaccinate" mass social mobilisation
- b) Build "vaccination confidence":
 - Address medical concerns efficacy, new variant, etc.
 - Address religious and cultural concerns
 - Address mis-information
- c) Logistics around availability, accessibility and acceptability



Staff Readiness: Rapid Poll Results

Number of respondents at the time of Report: 1680







Staff Readiness continued...

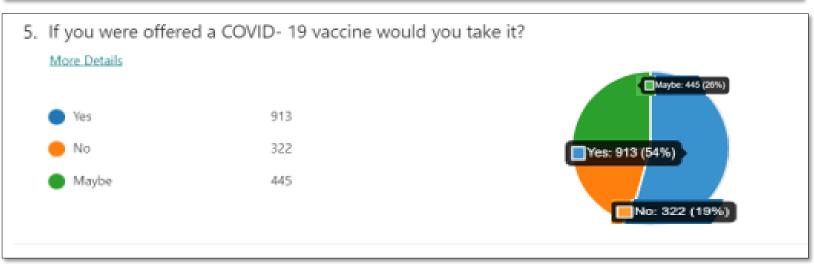
4. Have you tested positive for COVID-19 in the past 6 months?

More Details

Yes 325

No 1320

N/A 35





What influenced your decision – YES to the Vaccine (Q5)

Trust..

- In the science
- In the healthcare system
- The government won't harm the public
- Evidence backed by vaccine trials Immunised as a child, Vaccines work
- Research show positive international responses to the vaccine

It is the only solution!

Risk of Covid complications worse than possible side effects

Optimism and Hope that:

- The suffering will stop
- Protection for my family/colleagues
- Frontline workers will not get infected and enable us to protect the community
- Life can go back to normal
- Stop adding another burden of disease
- Reduce mortality
- Achieve herd immunity
- Fear for further infections and dying



General Comments - Vaccines

- The Department is focussed on getting ready to implement the vaccine roll out with an immediate priority being HCWs in Phase I.
- Over and above the procurement of vaccines, the National Department of Health is providing programme implementation support on multiple fronts including training, clinical protocols, information systems.
- Vaccination does not replace the need for NPIs like mask wearing, social distancing and hand washing, for the foreseeable future.
- 4. We call on the public and all stakeholders to join us on this most critical collective intervention "Lets unite to vaccinate"
- This is going to be collective effort between the WCGH, COCT, the private sector and our partners such as organised labor, HEIS and civil society.
- 6. The Department is committed to provide the **public information** on an **ongoing basis** on **our readiness and progress** with the roll out programme.



Key public messages for coming months



Handy information during the peak (and beyond)

Isolate when you had contact

WHEN AND HOW TO ISOLATE

COVID POSITIVE/ AWAITING TEST RESULTS/ CLOSE CONTACT OF A POSITIVE PERSON

Coronavirus is highly infectious and spreads through small air droplets when in close contact with an infected person. It's important to isolate if you develop symptoms or are awaiting a test result.

WHAT IS A CLOSE CONTACT?

Someone you have been in contact with for more than

contact with
for more than
15 minutes, closer than 1.5
m, without wearing a mask.
Download CovidAlertSA app
to receive notifications if you

How long must you isolate?

were a close contact.

Mild symptoms/COVID-19 positive: 10 days after your symptoms started.

COVID-19 positive but no symptoms:

10 days after you were tested.

Close contact with someone with symptoms or confirmed COVID-19: If you have no symptoms, 10 days after you had close contact. If you have symptoms, 10 days after symptoms started

WHAT YOU SHOULD DO

- Stay home or go to an isolation facility.
- Those with COVID-19 symptoms or who tested positive, must stay in a separate room from everyone else at home OR ask to use an isolation and quarantine facility.
- Do not leave your house or isolation facility until you completed your isolation period.
- . Do not go out or have visitors.
- Ask friends to drop groceries, meals and medicines at the door or order online

FOR MORE

Western Cape Government COVID-19 Hotline (toilfree) 021 928 4102 or 080 928 4102 National Hotline 0800 029 999 WhatsApp "Hi" to 0600 123 456



Continued prevention behaviour

Protect yourself and others this summer



Sick? Stay home & arrange a test



Keep physical distance



Wear a mask



Cover your cough



Open doors & windows



Avoid crowds, close-contact & confined spaces



Wash/sanitise hands often



December 2020



Conclusions



Concluding remarks

- There are clear signs that we have passed the peak of the 2nd wave in the Western Cape, with early signs of easing of pressures.
- 2. Our **local teams** remain on **high alert for surveillance & response** to localised clusters that can be targeted for maximum impact, **especially the vulnerable**.
- 3. Our biggest concern is the **non-adherence to protective behaviours** hence the **targeted law enforcement** interventions, in line with **new regulations**.
- 4. The hospitalisation and mortality data still points to a pressurised situation, and the need to continued vigilance to reduce new cases over the coming weeks.
- 5. We have **experienced** a significant reduction in **alcohol-related trauma**, which has brought some welcome relief across the health care platform.
- Our health care workers have and continue to face significant mental and emotional strain. We have started an intentional process of grieving and healing.
- 7. It is essential to maintain a **strong focus on behaviour change** to ensure containment for the **coming months**, as we gear up access to **vaccines**.



Thank you

