

### Western Cape Government

Health

### **DIGITAL PRESS CONFERENCE**

Health Update

Dr K Cloete

15 December 2020



# **Overview**

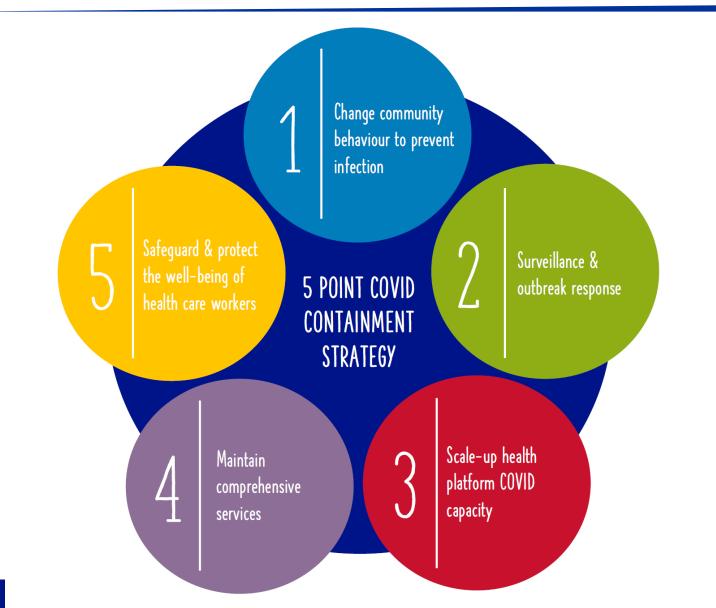
- 1. 5-point COVID Resurgence Strategy
- 2. Surveillance & Response Update
- 3. Scaling up health platform COVID capacity
- 4. Scaling down non-COVID capacity
- 5. Safe-guarding well-being of health care workers
- 6. Conclusions



# 5-point COVID Resurgence Strategy



# 5-point COVID Containment Strategy





# 5-point COVID Containment Strategy

### 1. Change community behaviours to prevent infections:

- a) Ongoing strong, bold central public messaging and targeted local messaging
- b) Co-ordinated Provincial, District and local JOC enforcement, lead by Law Enforcement and EHPs

### 2. Surveillance and outbreak response:

- a) The surveillance and outbreak containment strategy continues, with established community transmission
- b) The daily huddles continue to identify, track and contain potential local outbreaks

### 3. Scale up health platform COVID capacity:

- a) The PHC and hospital COVID capacity are being scaled up in each geographic area, as cases increase
- b) The local teams use trigger points for step-wise escalation of PHC, inter-mediate, acute and critical care access

### 4. Scale down con-COVID services:

- a) Ensure a core quantum of essential non-COVID services be maintained, while scaling up COVID capacity
- b) Actively reducing non-COVID services to allow for COVID capacity, in the face of alcohol-related trauma

### 5. Safe-guard and protect well-being of health care workers:

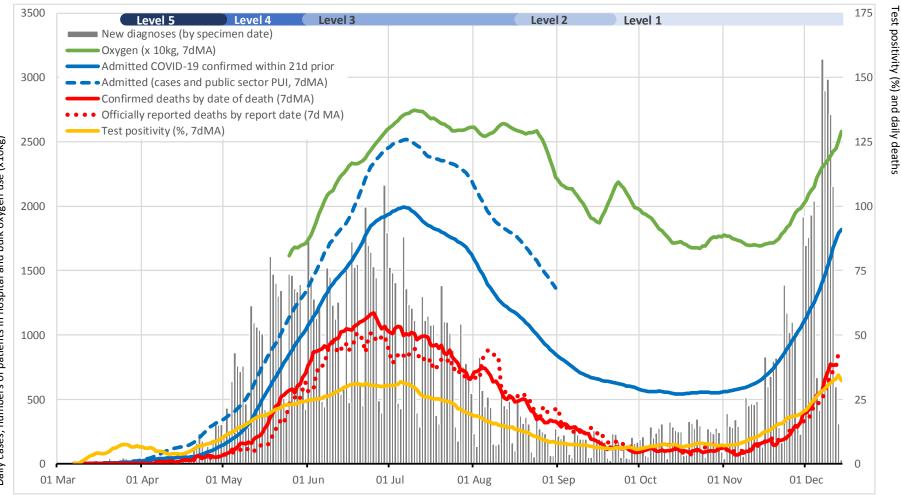
- a) Ensure sufficient PPE supplies to protect all front-line staff members
  - <u>Implementing OHS policy fully</u>, including addressing **mental well-being** for staff



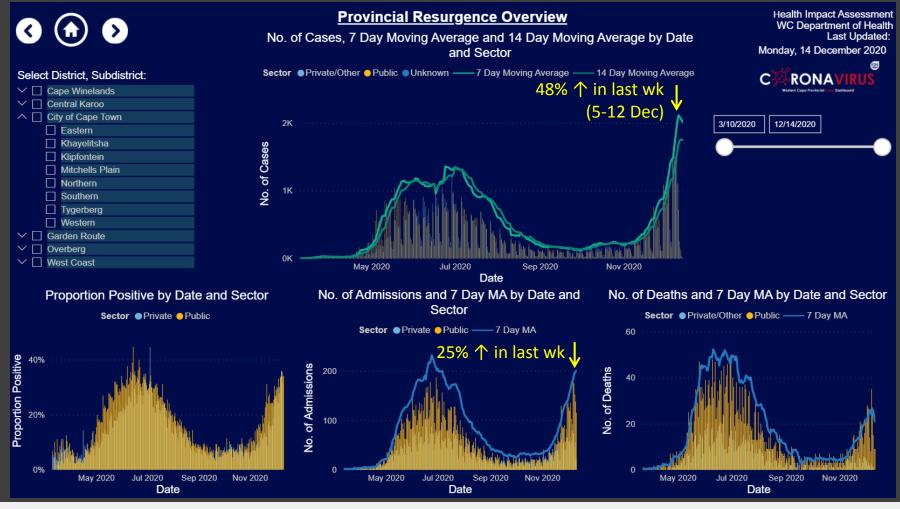
# Surveillance & Response Update



### Integrated testing, case, hospitalisation and mortality trends (by event dates, until 14 December 2020)

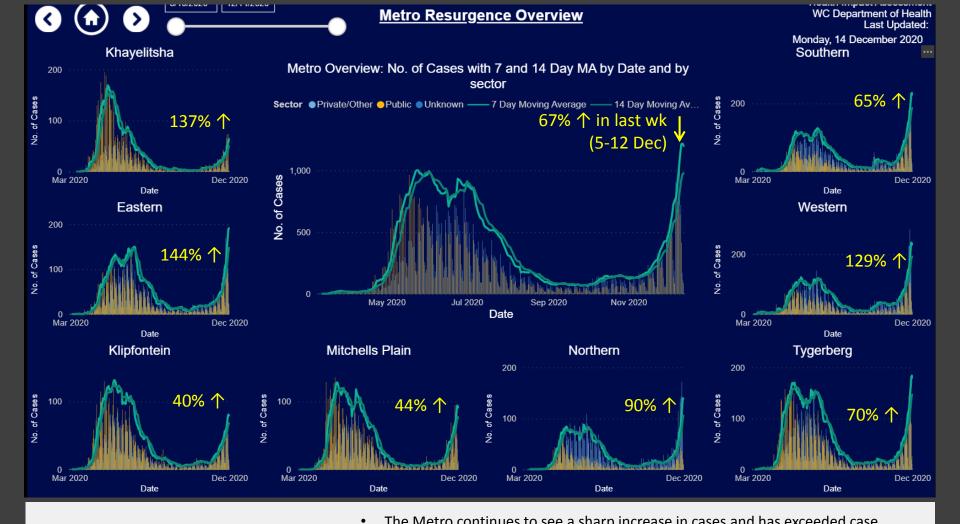






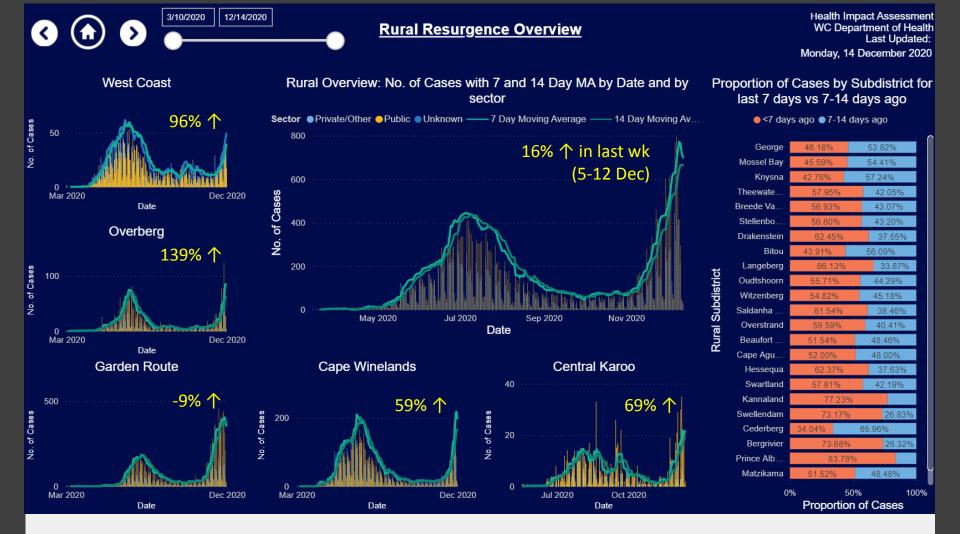
Provincial Overview

- The Province as a whole continues to see a marked increase in cases taking us well above levels previously seen in June. Hospitalisations and deaths have increased sharply since mid- November.
- The % proportion positive continues to rise and is now **35-40%**, at the same level of our previous peak of 40%.
- The key message is that **hospitalisations and proportion positive** are rapidly headed toward **levels seen at the peak of the first wave**. We must also be mindful that this time, we do not have the protection of a lockdown or an alcohol ban.



- The Metro continues to see a sharp increase in cases and has exceeded case numbers from first peak.
- The patterns differ between subdistricts, but all areas show an increase in cases.
- The Southern, Western, Eastern, Northern and Tygerberg sub-districts show a stark and rapid increase in cases, with the 7 day moving average line exceeding the first peak for these sub-districts.

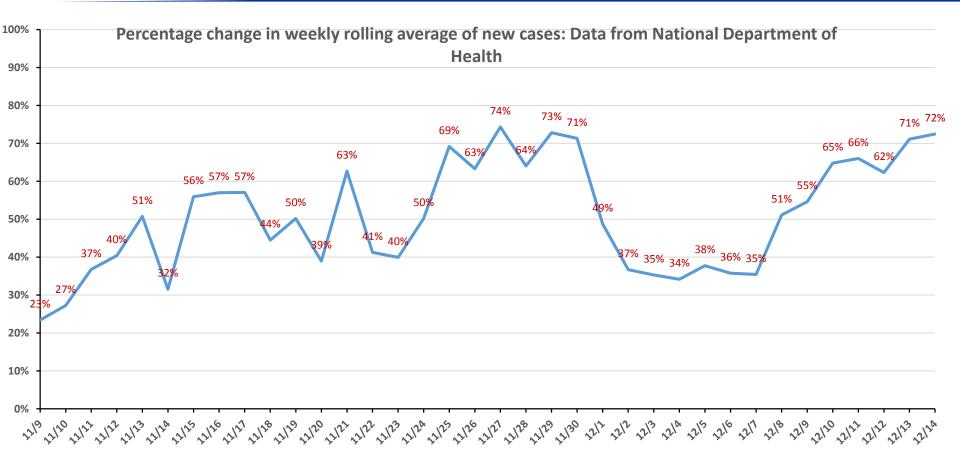
### Metro Overview



### **Rural Overview**

- Rural has exceeded its first peak.
- The Garden Route has also exceeded its first peak, but there are early signs that cases are stabilising.
- Cape Winelands, Central Karoo and Overberg have also exceeded maximum daily case numbers of first peak. West Coast is on an upward trend.

# Growth in cases based on NDoH reported case numbers

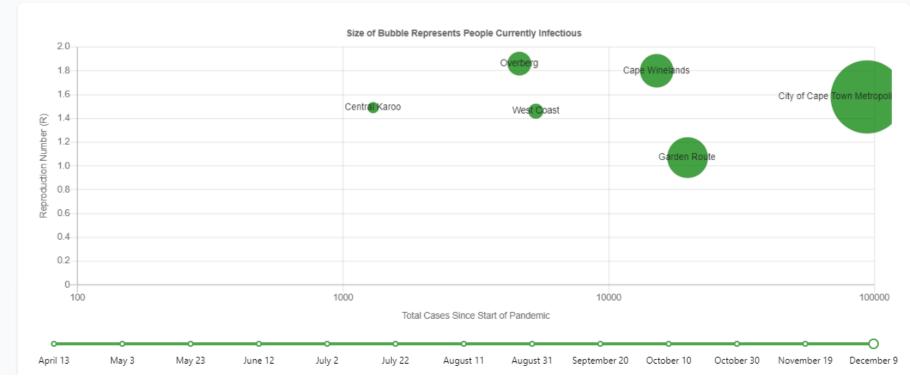


- Using NDOH data , we see that the percentage change in the weekly average of new cases is 72%
- If we look at the Western Cape Data from the daily report, the percentage change in the weekly average of new cases is 74.3%
- The entire Province is experiencing a rapid increase in new cases.



# Net reproductive number

### Western Cape: R ≈ 1.46



Source: reproduction.live



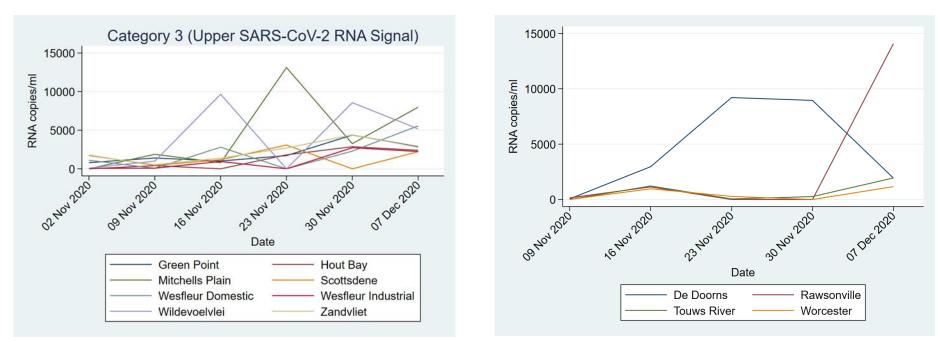
### Triangulating with wastewater

### SAMRC COVID- 19 AND WASTEWATER EARLY WARNING SYSTEM

WEEK 48 update

CITY OF CAPE TOWI ISIXEKO SASEKAPA

### City of Cape Town, Breede Valley AND Overberg



On average:  $\downarrow$  SARS-CoV-2 RNA in wastewater this wk. vs last week

### Still some areas with steep $\uparrow$ including:

Mitchells Plain, Wesfleur domestic & Scottsdene (Metro) Rawsonville (Rural)



#### Key points:

- 1. Increase in case numbers overwhelming contact tracing teams
- 2. Increase in hospitalisations putting strain on services
- 3. Complaints of increased lab turnaround time
- 4. Increased infections among health workers resulting in absenteeism- this is increasing the pressure on health services
- 5. While there are identifiable clusters, it is otherwise widespread community transmission.

#### KESS

Increase in case numbers Admissions and deaths are increasing, and hospitals are taking a lot of strain.

NTSS Our tracing team is struggling with the caseload they receive daily Hospital admissions increased Still household cases, cluster at M-Kem Pharmacy, which our EHO is already attending to

### **Cape Winelands**

Witzenberg: 217 active cases. Community spread, no work clusters. Ceres hospital burdened with PUI and Covid admissions in EC and ward. EC load trauma cases.

Langeberg: 273 active cases, 40 - 60 new cases per day. Bonnievale: community transmission and a few local clusters noted.

### 14 December 2020

## Surveillance Huddle Report



**Stellenbosch:** *263 active cases.* Community spread (all areas affected). Kayamandi and Idas Valley are areas of concern Load on hospital with symptomatic patients and load on EC. Adequate capacity for admissions.

**Drakenstein:** >245 active cases, 72 new. Established community transmission and family clusters. No new clusters

**Breede Valley:** 343 active cases, 199 <u>private</u>. No clusters other than occasional households. Widespread also on farm areas. Taxis do not adhere to mask wearing.

Turn around time for all sub districts a real challenge and impact on hospital PUI's.

### **Central Karoo**

Increase in cases

Nelspoort - 2 staff members. 14 of the 18 psychiatric patients at Nelspoort Hospital de-isolate tomorrow. Q & I site in Beaufort West 71% full. Only site available in the district.

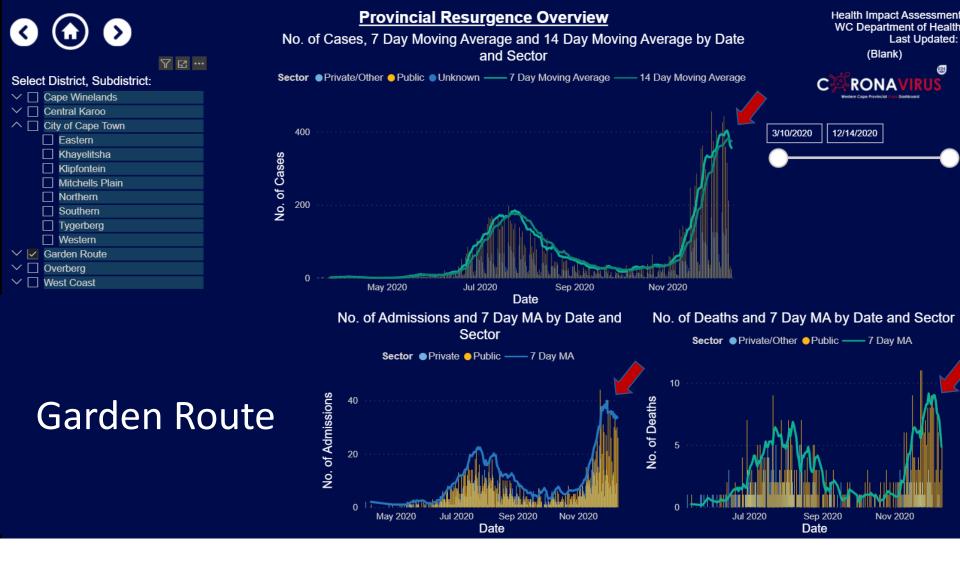
### Overberg

Rapid increase in positive cases in all subdistricts No super spreader events that we know of, household clusters Workplace and community spread People do not adhere to isolation and quarantine rules Correct mask wearing big issue

### 14 December 2020

## Surveillance Huddle Report





The 7 day and 14 day moving averages have crossed, with the 7 day moving average now moving below the 14 day moving average.

These are positive signs in the Garden Route, but this trend may be reversed by super spreader events.

The Garden Route is currently showing an increase in incidence of cases in Hessequa, Kannaland, Mossel Bay and Oudtshoorn

Data show that both hospitalisations and deaths in the Garden Route are decreasing.

### 14 December 2020

### Surveillance Huddle Report- P1

Garden Route

#### Garden Route and Central Karoo Districts Daily Huddle 14 Dec 2020

#### Hessequa

- New cases: 32 over weekend
  - Riversdale 14, Albertinia 10, Heidelberg 3, Melkhoutfontein 4, Still Bay 1
  - NHLS 27 and Private lab 5
  - Age: wide variation from 20 70 years

#### Mossel Bay

- 1. New cases: 205 over weekend
  - Asla and Kwanonqaba main areas
  - NHLS 134 and Private 71
  - Age: 30-39 years
  - Correctional Services one additional positive; now 23 (9 staff and 14 inmates)

#### George

- 1. New cases: 296 over weekend
- Active cases: 1791
- George Hosp: 76 patients
- 4. Private Hosp: 40 patients
- Harry Comay Hosp: 35 patients (looking to consolidate Ward 5 & 6 so as to free up staff to open the pod unit)
- 6. Uniondale Hosp: 3 patients
- Gateway Q/I site: 22 residents
- 8. 9 deaths over the weekend from the three George hospitals

#### George Hospital

 Some undertakers have reached maximum capacity; getting report later today so that we can plan way forward; may be necessary for mobile mortuary container from CT

#### Knysna/Bitou

- New cases: 204 over weekend
  - there may be a decrease in new numbers to observe
  - wide distribution
- 2. Active cases: Knysna about 300 and Knysna 120 (busy finalizing)
- Knysna Hosp: patients 33 patients of whom all are on oxygen or HFNO
- 6 deaths
- Issues:
  - Urgent decision needed on PCR test for neg antigen test
  - Urgent clarity needed on use of KN95 masks; Mr Brickles to follow up

### 14 December 2020

### Surveillance Huddle Report- P2

Garden Route

#### Kannaland

- 1. New cases: 48 over weekend (very high number)
  - Mainly in Ladismith and then some in Calitzdorp
  - Multiple staff members pos in Calitzdorp Clinic; others being tested today. Challenge for service delivery but making a plan; facility temporarily closed for decontamination
- Tests done: 68
- 3. Active cases: 67 (very high number)
- 4. Lab TAT: just over 48 hours
- 5. Ladismith Hospital: 3 patients

#### Oudtshoorn

- New cases: 55 over weekend
- Tests done: 35
- Pending: 56
- 4. Active cases: about 350, busy finalizing
- 5. Oudtshoorn Hosp: 32 patients (high number)
- 6. Private Hosp: not available
- 1 death

#### Central Karoo

- New cases: 54
  - Beaufort West 33, Nelspoort 6 (not patients in hosp), Prince Albert 6, Leeu-Gamka 5 (a concern), Laingsburg 4
  - No new patients from Nelspoort Hosp
- Active cases: 274 (Beaufort West 239, Laingsburg 5, Prince Albert 30)
- 3. Beaufort West: 19 patients
- Q/I site: 71% full
- 5. 1 death in Beaufort West

#### General

 Request for CST from smaller towns: communities are becoming concerned and many are asking for CST

#### Urgent issues

- Assessment of undertaker situation in George; possible commissioning of mortuary container needed
- Delayed TAT for NHLS for Mossel Bay
- 3. Antigen testing: Need answer re management of negative antigen tests and SMS messaging
- 4. Clarity of use of KN95 masks

### Garden Route: Containment Strategy -Overview

- The Garden Route remains under pressure with increasing incidence of cases in Hessequa, Kannaland, Mossel Bay and Oudtshoorn, with a slowing in George, Knysna and Bitou
- The health platform remains under severe pressure.
- Health worker infections are a major concern, particularly in George.

- Surveillance using available data and on the ground knowledge. Daily district surveillance huddles continues.
- Intensified screening, testing and contact tracing as well as outbreak cluster management, in targeted and selective instances.
- Communication campaign using social media to encourage positive behaviour change.
- Managing and mitigating hospital capacity availability.
- COVID-19 Antigen testing has assisted, but test turn around times have increased.
- Multisectoral response including health, local government, law enforcement, education, private sector, etc.
- The President has declared the Garden Route a hotspot.

# Scaling up health platform COVID capacity



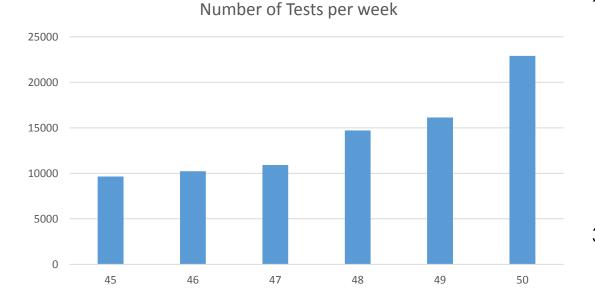
# Scaling up COVID capacity – general comments

- 1. PHC capacity:
  - a) The PHC facilities facing **increasing demand** for **COVID testing**, and providing **triage** for **confirmed cases**.
  - b) Systematic de-escalation of non-COVID PHC services.
- 2. Hospital capacity:
  - a) 6 736 acute public sector beds (including 630 additional beds) and
     381 critical care public sector beds (including 135 additional beds)
  - b) Potential for 180 additional beds in Metro, depending on oxygen points and availability of staff.
- 3. Fatalities management capacity:
  - a) Mass fatality centre in the Metro with capacity for **240 bodies**
  - b) Mass fatality work group co-ordinating capacity across province



# **Total Number of Public Sector Tests Done**

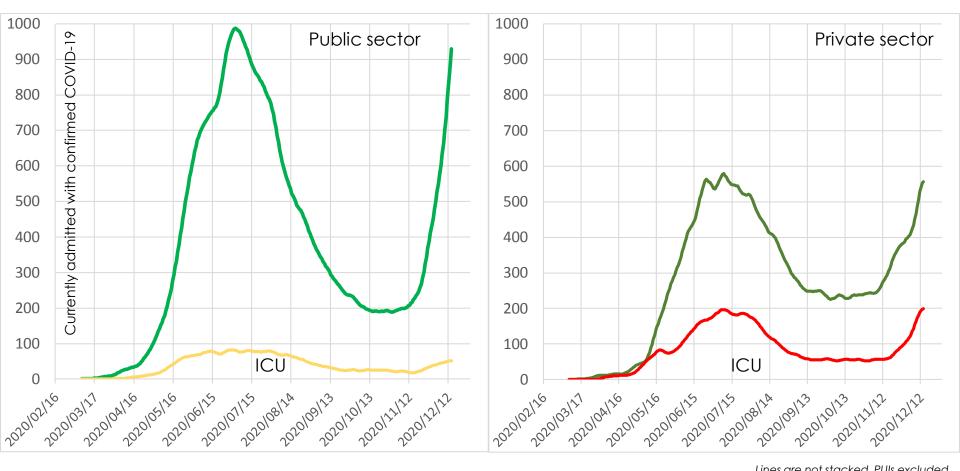
TOTAL NUMBER OF TESTS DONE						
Week	Total					
Week 8 9-15 November 2020	10,229					
Week 9 16-22 November 2020	10,909					
Week 10 23 - 29 November 2020	14,70					
Week 11 30 November - 06 Dec	ember 16,131					
Week 12 7 - 13 December 2020	22, 93					
TOTAL	71,725					
	,					



- There has been a significant increase in testing in the public sector – the testing has virtually doubled over the past month.
- NHLS successfully using the antigen testing in the Garden Route and Metro – but the turn-around times (TATs) are increasing for PCR testing.
- The testing criteria have been updated based on available testing capacity.



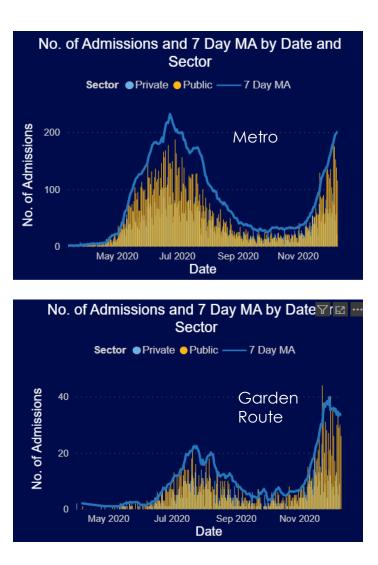
# **Hospitalisation**

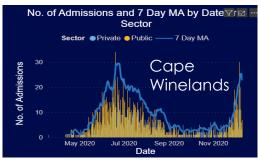


Lines are not stacked. PUIs excluded

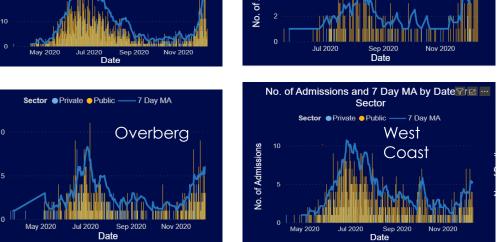


# **Hospital Admissions By Health District**





No. of Admissions



Sector 
Private 
Public 
7 Day MA

Central

Karoo

Hospitalisations continue to increase across all districts, approaching levels seen at the previous peak.

The concern with hospitalisations is that unlike during the first wave, the health department now has to contend with a high trauma load.



# Acute service platform – general comments

- Currently 1733 Covid patients in our acute hospitals (1041 in public hospitals & 692 in private hospitals)
- COVID hospitalisations have increased sharply while we are experiencing trauma and psychiatric pressures.
- 3. The metro hospitals are running at an average occupancy rate of 78% whilst rural hospitals are running at an average occupancy rate of 91%.
- COVID & PUI cases make up 13% of hospital admissions in the metro and 16% of hospital admissions in the rural areas (both increasing daily).
- 5. The Hospital of Hope (Brackengate) had 253 patients (1437 cumulative cases), and Sonstraal had 14 COVID patients (and 22 TB patients), as at yesterday.
- 6. The oxygen utilisation remains stable (51.85% of available capacity) and the mass fatality centre has admitted 516 bodies to date (currently 21).



### **METROPOLE ACUTE CARE AVAILABILITY & UTILISATION**

Western Cape Vestern Cape BETTER TOGETHER. WCG Health: M	:45 dimension data			
	Operational Beds	Filled Beds	Available Beds	BUR %
TBH - Tygerberg Hospital	1,227	960	267	78%
GSH - Groote Schuur Hospital	825	580	245	70%
RXH - Red Cross War Memorial Children's Hospital	195	167	28	86%
NSH - New Somerset Hospital	358	234	124	65%
ERH - Eerste River Hospital	185	143	42	77%
FBH - False Bay Hospital	76	48	28	63%
HHH - Helderberg Hospital	196	151	45	77%
KHA - Khayelitsha Hospital	372	372	0	100%
KBH - Karl Bremer Hospital	360	284	76	79%
MPH - Mitchells Plain Hospital	426	353	73	83%
VHW - Victoria Hospital	181	147	34	81%
WFH - Wesfleur Hospital	58	37	21	64%
Totals	4,459	3,476	983	78%

Operational Beds = Beds that are Equipped and Staffed Bed Utilisation Rate = % Operational Beds Occupied



### **OCCUPANCY IN METRO ACUTE CARE PLATFORM IS 78%**

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### COVID BED OCCUPANCY AS % OF THE ACUTE SERVICE PLATFORM IN THE METROPOLE

WCG Health: Metropole COVID Bed Occupancy Count at 14/12/2020 13:43:45							
	Covid Ventilated Cases	HFNO	PUIs	Covid Non Ventilated Cases	Total Covid Cases		
TBH - Tygerberg Hospital	15	11	18	38	82		
GSH - Groote Schuur Hospital	12	18	1	79	110		
RXH - Red Cross War Memorial Children's Hospital	2	0	14	8	24		
NSH - New Somerset Hospital	1	0	21	24	46		
ERH - Eerste River Hospital	0	0	10	3	13		
FBH - False Bay Hospital	0	0	13	7	20		
HHH - Helderberg Hospital	11	0	9	0	20		
KHA - Khayelitsha Hospital	1	1	31	13	46		
KBH - Karl Bremer Hospital	0	0	6	15	21		
MPH - Mitchells Plain Hospital	0	6	2	43	51		
VHW - Victoria Hospital	1	3	18	18	40		
WFH - Wesfleur Hospital	0	0	12	0	12		
R300 - Brackengate	1	8	0	243	252		
SICF - Sonstraal Intermediate Care Facility	0	0	0	0	0		
Totals	44	47	155	491	737		

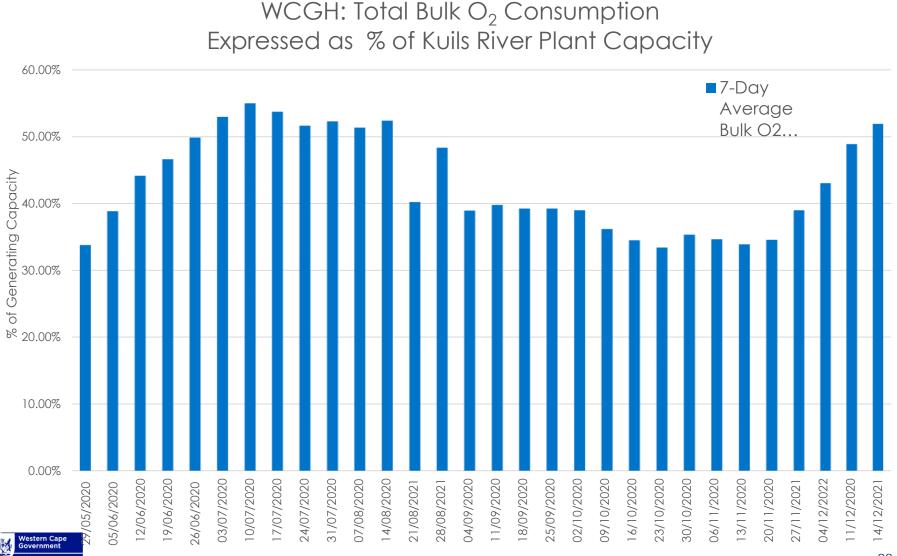
\*Percentage COVID Patients of Total Hospital Admissions (Excl. Brackengate & SICF)

13%

### PERCENTAGE COVID PATIENTS OF THE TOTAL HOSPITAL ADMISSIONS IS 13%



# Provincial oxygen consumption at 51.85 % of total capacity



# Scaling down non- COVID capacity

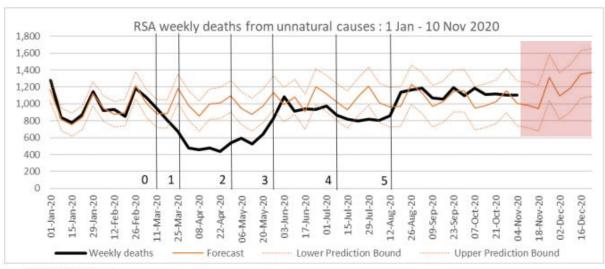


# Scaling down non-COVID capacity – general comments

- The single biggest challenge remains the impact of alcohol-related trauma, especially in the emergency centres and in critical care.
- 2. The impact of the new alcohol restrictions and the targeted law enforcement efforts will be monitored over the next 2 weeks.
- 3. The **psychiatric pressures** have also resulted in the need to bring on line additional capacity to cope with **increasing case numbers**.
- 4. The de-escalation of all other non-COVID PHC and hospital care activities are being managed actively across the health service platform.



# **SA MRC Report on unnatural deaths**



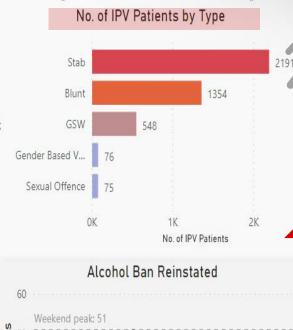
#### Vertical time lines:

- 0. Week Disaster Management Act implemented
- 1. Week lockdown level 5 introduced
- 2. Week lockdown changed to level 4 with curfew
- 3. Week lockdown changed to level 3 including unbanning sale of alcohol
- 4. Week sale of alcohol re-banned and curfew re-introduced
- 5. Week lockdown changed to level 2, including unbanning of alcohol

Numbers have been scaled to the estimated actual number of death and for the last week has been adjusted for delayed registrations

- The MRC noted significant drops in unnatural deaths during periods of decreased alcohol availability during COVID-19
- The MRC also forecasts a significant increase in unnatural deaths over the December period

### Impact of recent alcohol regulation changes on interpersonal violence (IPV) presentations to hospital (13 Jul - 26 Oct 2020)



### Sentinel Trauma Report

This report shows a sample of 4 hospital emergency centres and their trauma patient numbers over time

When alcohol regulations were further relaxed (21 Sept) the average (median) no. of daily IPV cases presenting to hospital increased to 41 (additional 21% increase) with weekend peaks at 159 (additional 53% increase)

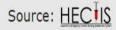
#### Further relaxation of alcohol regulations

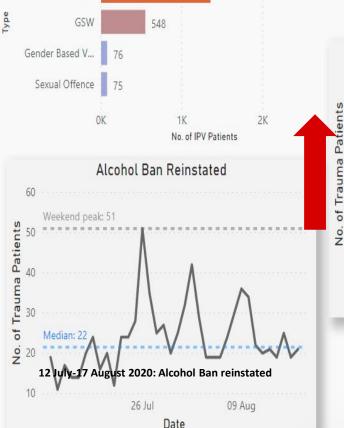


Over the period from 13 July to 26 October 2020 we have seen the average (median) number of daily IPV cases presenting to hospital increase from 22 to 41 and weekend peaks from 51 to 159. This equates to an 86% increase in average daily IPV cases to hospital and a 212% increase in weekend IPV peaks from the baseline of the recent alcohol ban at the hospitals sampled.

#### 21 September 2020 – 26 October 2020:

Alcohol regulations further relaxed with night time curfew extended to 12am and retail alcohol sales allowed on Friday





When the alcohol ban was lifted the average (median) no. of daily IPV cases presenting to hospital increased to 34 (55% increase) with weekend peaks at 104 (103% increase)

#### Second Alcohol Ban Lift

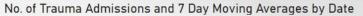


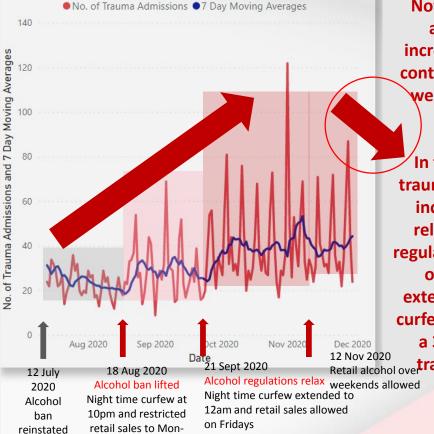
23 Aug 30 Aug 06 Sep 13 Sep 20 Sep Date

18 August - 20 September 2020: Alcohol Ban lifted with regulations in retail alcohol from Mon-Thursday and night time curfew at 10am

# The colliding epidemics of trauma and COVID-19 in terms of hospital admissions

# Trauma Admissions (13 July-01 Dec 2020):





Thurs

Over the month of November, COVID-19 admissions have increased by 409% and continues to increase as we continue with the resurgence.

Sentinel Trauma Report

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

> In the same context, trauma admissions have increased with each relaxation of alcohol regulation. The relaxation of retail sales and extension of night time curfew, in particular, saw a 36.2% increase in trauma admissions

### Retail alcohol over trauma admissions.

# COVID-19 Admissions (13 July-01 Dec 2020):

No. of COVID-19 Admissions and 7 Day MA by Date and Sector



Source: HECTIS and WC PHDC

# Safe-guarding well-being of health care workers



# Safe-guarding health care workers – general comments

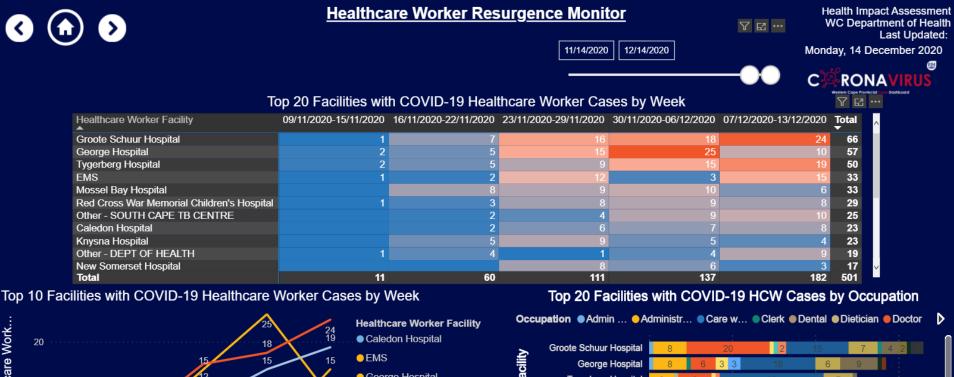
- 1. The single biggest challenge is the increasing COVID infection rate amongst health care workers, and the impact on staff member isolation and quarantine.
- The availability of additional staff members for contract work and via agencies is also a significant challenge.
- 3. The number of people willing to **volunteer their services** has also **decreased significantly**.
- 4. There is sufficient PPEs across all the health facilities, and in central storage, with additional orders being placed in recent weeks.
- 5. The system to support frontline staff in terms of mental well-being is being scaled-up.

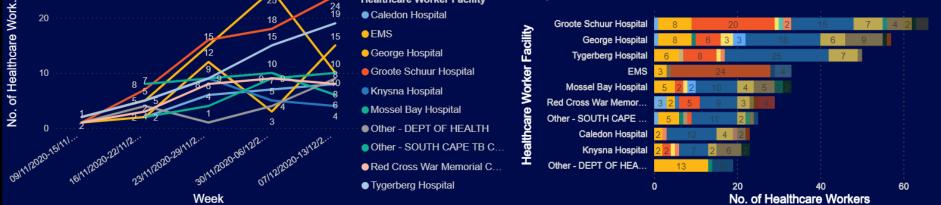


### WCG: Health, Health Worker COVID-19 Infections

WCG-H Healthcare Workers with COVID-19 140 120 HCW infections continue to increase. Presently there are 493 active cases, 100 42 admissions, 6 deaths over the last 14 days 80 67 60 40 20 0 9-Aug 15-Aug 21-Aug 28-Aug 3-Sep 10-Sep 16-Sep 23-Sep 23-Sep 5-Oct 13-Oct 20-Nov 2-Dec 8-Dec 15-Apr 23-Apr 29-Apr 5-May 17-May 22-Jun 28-Jun 22-Jul 28-Jul 3-Aug 14-Nov 26-Nov 24-Mar 11-May 23-May 29-May 4-Jun 10-Jun 16-Jun 4-Jul 10-Jul 16-Jul 20-Oct 26-Oct 8-Nov 2-Nov

### COVID-19 infections in HCW- 14 November 2020- 14 December 2020





We continue to see an increase in HCW infections week on week.

Groote Schuur Hospital is now the hospital with the most infections in the last calendar month, reflecting the increase of cases in the Metro, and in the Southern sub-district in particular.

# Conclusions



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### **Concluding remarks**

- The increase in active cases in all districts, represents an established 2<sup>nd</sup> wave in the Western Cape.
- 2. Our **local teams** are on **high alert for local surveillance and response** to localised clusters that can be targeted for maximum impact, especially the vulnerable.
- 3. The biggest concern is the **non-adherence to protective behaviours** hence the big drive for **targeted law enforcement and behaviour change** interventions.
- 4. The hospitalisation and mortality data showed a rapid increase over the past 2 weeks.
- 5. We have activated contingency plans per geographic area to scale up hospital COVID capacity as required, but alcohol-related trauma is a major challenge.
- 6. Our key concern is that our **health care workers face significant strain** over the coming weeks. We need to **safe-guard them and their families**.
- 7. It is essential to ensure a strong focus on behaviour change to ensure containment for the next 3-6 months, while clarity around the availability of a vaccine emerges.



# Thank you

