

#### Western Cape Government

Health

#### **DIGITAL PRESS CONFERENCE**

Health Update

Dr K Cloete

20<sup>tth</sup> May 2021



### **Overview**

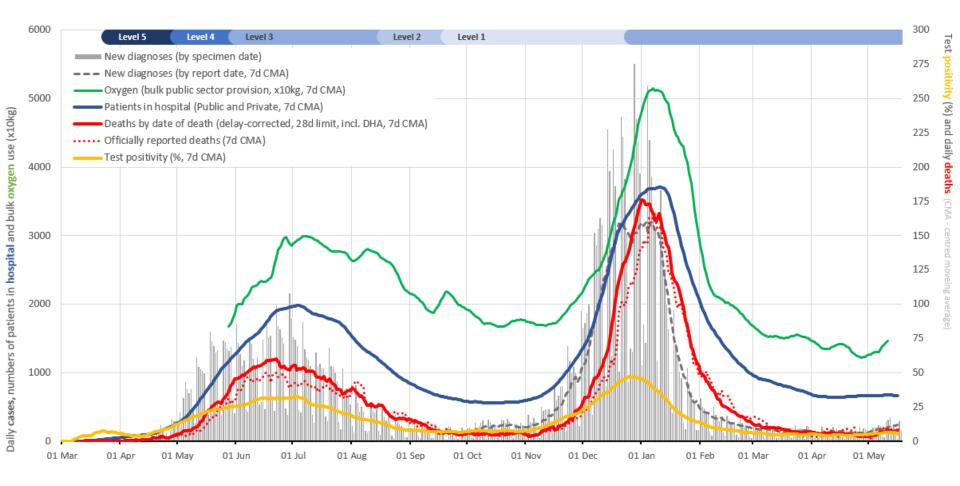
- 1. Surveillance & Response Update
- 2. Preparation for the third wave
- 3. Vaccine Implementation update
- 4. Conclusions



# Surveillance & Response Update



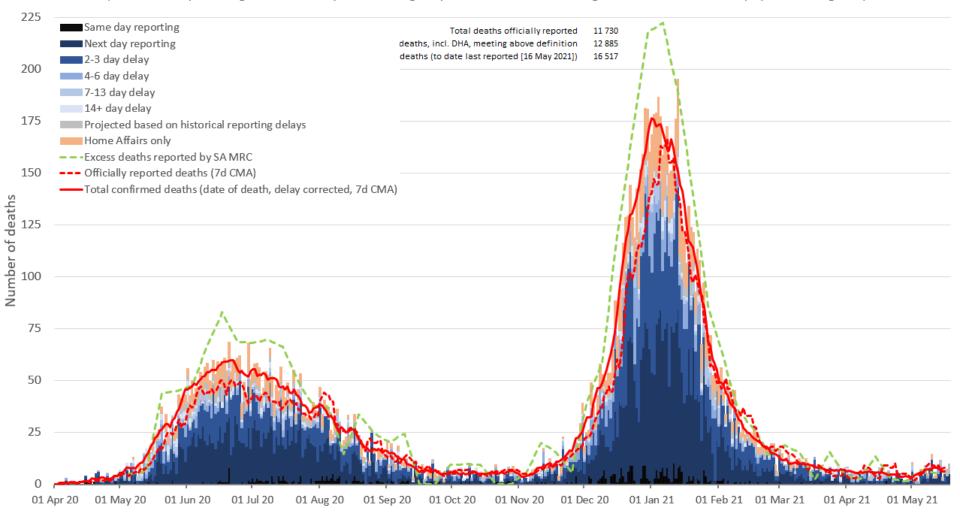
# Integrated testing, case, hospitalisation and mortality trends





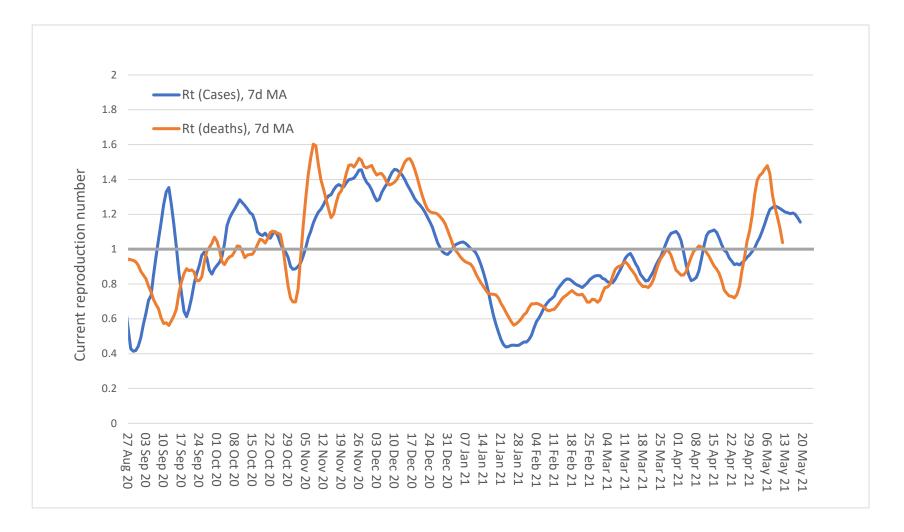
### Mortality by date of death

Mortality in patients with laboratory-confirmed SARS-CoV-2, by delay to reporting\* (within 28 days of diagnosis or 14 days of discharge, by date of death, excluding non-natural deaths on population register)

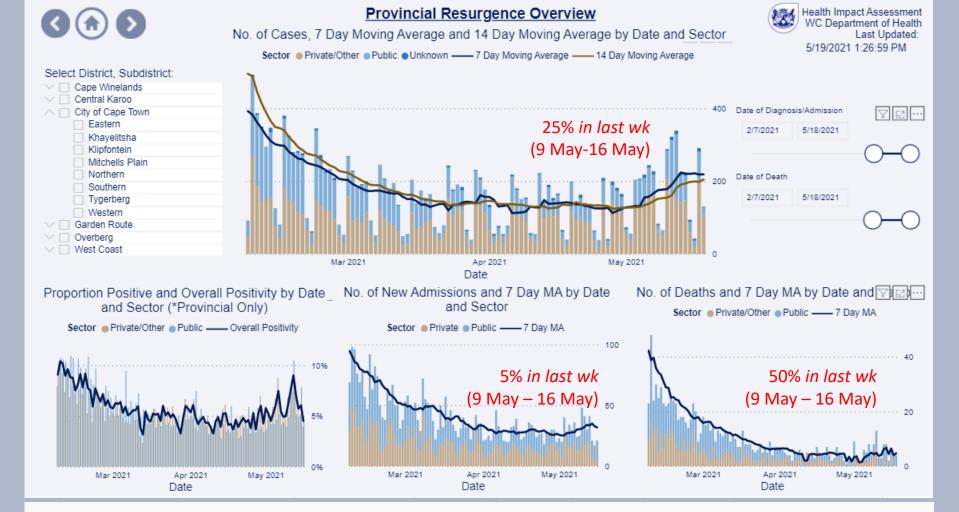


\* Excludes deaths in those with undiagnosed COVID-19, in patients with clinical diagnoses in spite of absent or false negative SARS-CoV-2 test results, and in those without recorded ID numbers dying at home or in ambulatory or emergency room care; CMA - centred moving average

### **Current reproduction number (Western Cape)**

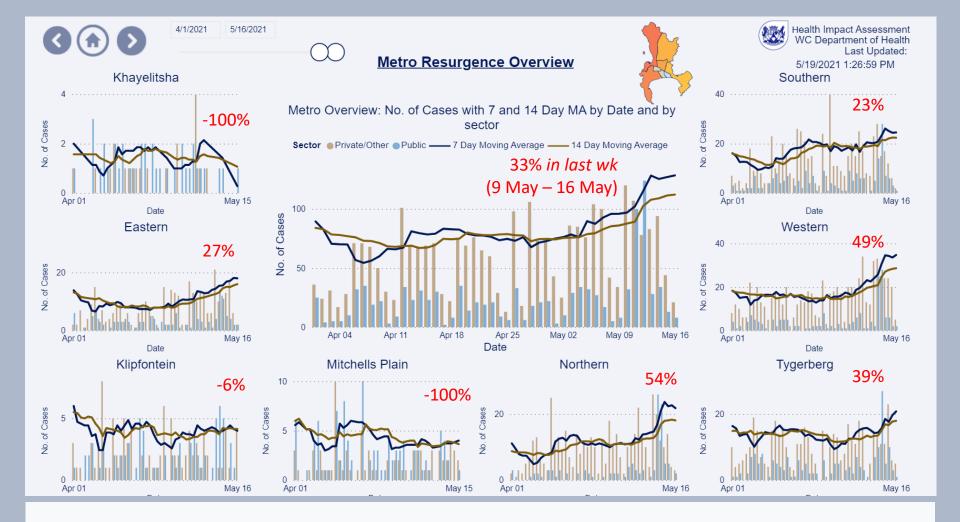






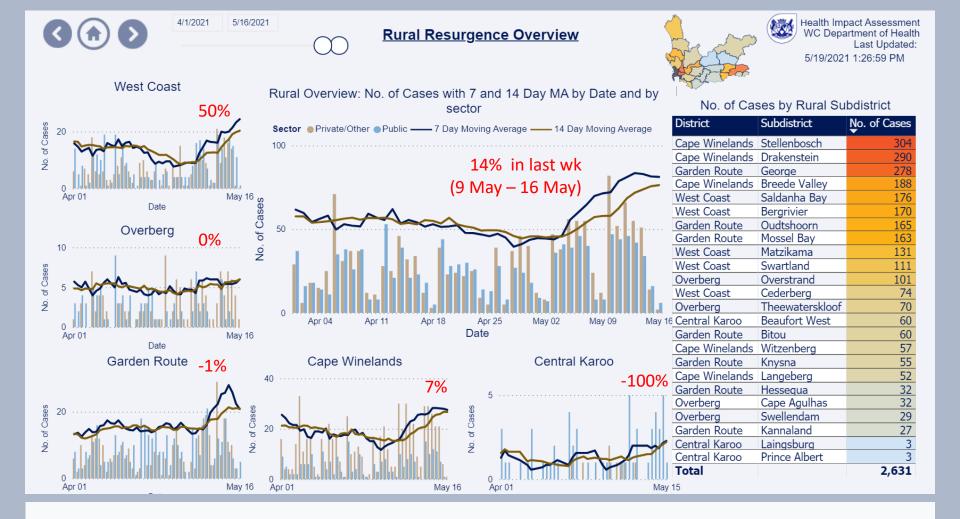
Provincial Overview

- Number of daily new COVID-19 cases has increased further to on average 200 new diagnoses each day with a 25% week on week increase (slightly slower than last week).
- Admissions and deaths continue to increase but the absolute numbers are still very small. On average we are had **30-35 admissions** and **4 deaths each day**.
- The average proportion positive has remained at just >5%.



Metro Overview

- Overall, there is a 33% week on week increase in cases in the Metro.
- Northern, Eastern, Southern, Western and Tygerberg continue to see increasing case numbers.



**Rural Overview** 

• The increase in case numbers in Rural has slowed down, but we continues to see big increases in the number of cases in West Coast, which is a concern considering proximity to the Northern Cape.

# Monitoring resurgence



The Resurgence Monitor now shows a **sustained increase for 12 days** in the number of new cases in the current week vs the previous week, so the province remains in a resurgence state, although the week on week percentage increases have declined.

We have not yet met the criteria for being in a third wave, but could enter a 3<sup>rd</sup> wave in 2-3 weeks if the current trajectory continues.



18 May 2021

#### Surveillance Huddle Notes



KESS	<ul> <li>Increase in numbers but not specific clusters, generalised community transmission especially</li> </ul>
	Eastern.
	<ul> <li>Mostly public in Khayelitsha and private in Eastern</li> </ul>
	Slow increase seen in admissions
	<ul> <li>Follow up in schools done but measures followed well in noted schools and no spike in cases</li> </ul>
KMPSS	<ul> <li>High in list in increases over 7 days, no increase in admissions or deaths though</li> </ul>
	No noticeable clusters
NTSS	<ul> <li>Household clusters noted (one cluster 6 cases)</li> </ul>
	<ul> <li>Some social events as spreaders (e.g. party on farm – 4 cases found). Contacts being follower</li> </ul>
	up where possible.
SWSS	<ul> <li>Numbers gone up, 472 from 359. Private sector cases are the majority.</li> </ul>
	<ul> <li>80% of tests performed are rapid antigen</li> </ul>
	Clusters
	o Pub social event 3 cases
	<ul> <li>Increased conversation about travel in call center – becoming more of a challenge for</li> </ul>
	the call center and task team. E.g. Ship with 17 crew members positive and had to be
	isolated.
	<ul> <li>UCT dribble of cases but not seeming connected</li> <li>A Mathematic Days suggest 7 and af 20 of these attacking</li> </ul>
	<ul> <li>A Mother's Day event 7 out of 20 of those attending</li> <li>No clusters in schools noted</li> </ul>
	o No clusters in schools noted
Rural	
Cape Winelands	Breede Valley 27 active cases, no clusters noted
cape wineiands	Witzenberg: no clusters noted and admission quiet
	<ul> <li>Stellenborg: No clusters noted and admission quet</li> <li>Stellenborch 71 active cases, school cluster: School was closed with 15 active cases found, m</li> </ul>
	with Dep of Education and discussion was about smoothing future coms with Dep of Health
	<ul> <li>Drakenstein: no clusters, active cases 79 people</li> </ul>
Central Karoo	Brakenstein, no dasters, active cases / 5 people
Garden Route	In general numbers is creeping up, Hessequa stable
	<ul> <li>Mosselbay had 2 big clusters followed up and cases in quarantine.</li> </ul>
	<ul> <li>Concern about increases in Bitou from low base, mostly private sector</li> </ul>
	Other sectors mixed public and private
	<ul> <li>Admissions stable, Oudtshoorn slightly higher 50/50 public and private</li> </ul>
Overberg	<ul> <li>Overberg lower increases than other districts, still increase but 48-58 cases, Overstrand most</li> </ul>
8	cases 36, more private 70%
	No clusters identified
	No increase of deaths and admissions stable
1	
West Coast	Hotspots in Vredendal and Matzikama

#### Triangulating with wastewater

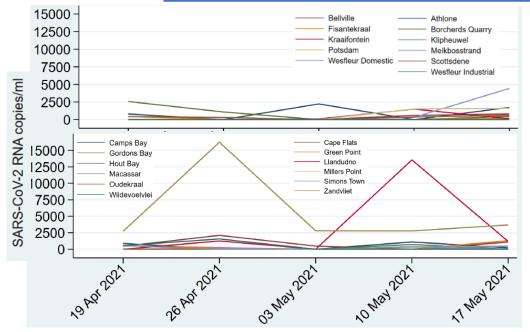


WEEK 20 2021 update

Theewaterskloc Municipality

BREEDE VALLEY

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



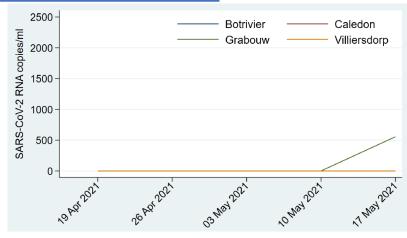
#### Metro:

SARS-CoV-2 not detected at 8 wastewater treatment plants.

Noticeable increases in SARS-CoV-2 at the following plants:

- Cape Flats
- Green Point
- Athlone
- Melkbosstrand

Noticeable decreases in SARS-CoV-2 at Kraaifontein & Llandudno No report for Mitchells Plain due to technical issues.



CITY OF CAPE TOWN ISIXEKO SASEKAPA

#### Theewaterskloof:

Increase in SARS-CoV-2 detected at Grabouw after no detection for nearly 2 months.

#### Breede Valley:

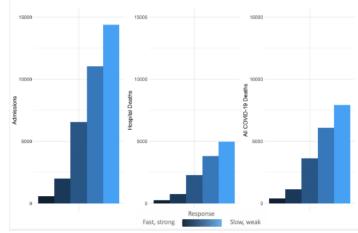
No results for this week yet.

# Preparation for the 3<sup>rd</sup> wave



## Why do we need to reduce the size of a 3<sup>rd</sup> wave?

 SA COVID-19 Modelling Consortium predicts a third wave that will be smaller
 than the second wave in the Western Cape but there is lots of uncertainty
 e.g. if different variants emerge. The Third Wave: Quantifying the Impact Western Cape



- If we respond strongly and quickly to an increase in cases (darker blue bars) we can dramatically reduce the number of admissions and deaths.
- Increased hospital admissions are associated with increased mortality if the healthcare system overwhelmed (avoid preventable deaths).
- Limit need for de-escalation of routine health services.
- Not interrupt the vaccine programme.

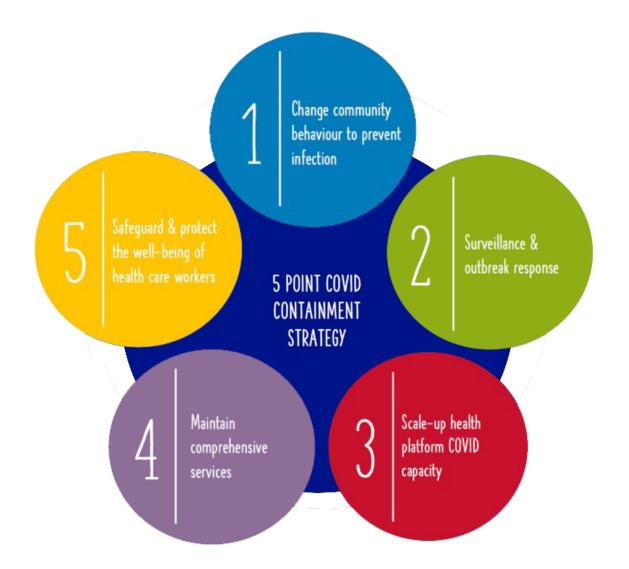


### 3<sup>rd</sup> wave - resurgence and response

- 1. We continue to see **a very concerning increase** in the number of cases and remain in **resurgence**.
- Behaviour change is key to mitigate the 3<sup>rd</sup> wave. We can delay the onset and/or reduce the size of the 3<sup>rd</sup> wave (flatten the curve) until more people are vaccinated.
- 3. Call on Western Cape community to flatten the curve by:
  - Ensuring consistent social distancing, mask wearing, hand hygiene.
  - Avoiding all non-essential gatherings
  - Essential gatherings to be outdoors if possible and reduce size of essential gatherings to <50 people indoors and <100 outdoors.</li>
  - Work remotely if possible
  - Avoid non-essential travel especially to provinces/areas with increasing case numbers
- 4. We will be engaging with religious leaders, sporting bodies, retail, restaurant/bar, entertainment and hospitality sectors to collectively ensure adherence to NPIs. We are also engaging with the JOCs to ensure enforcement of Level 1 regulations.

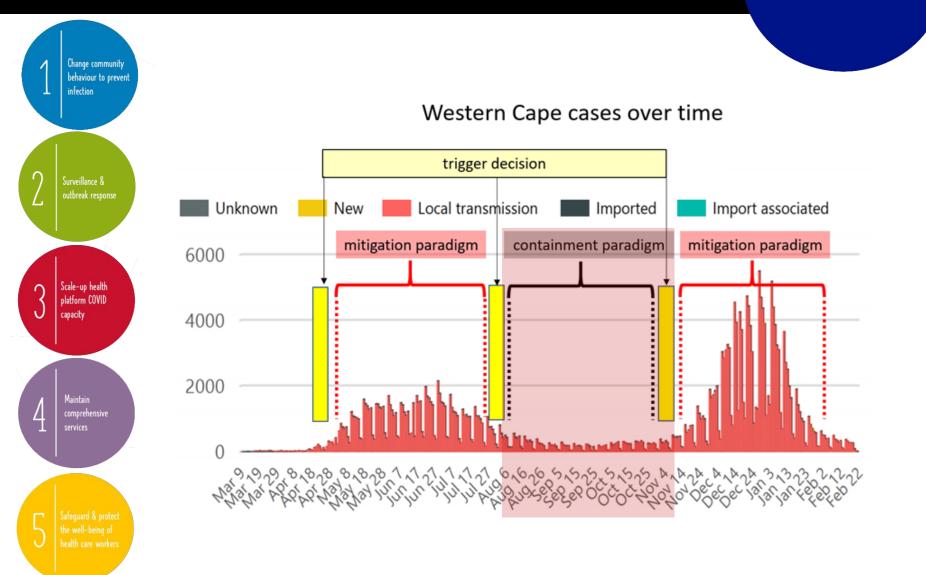


# Overview of the 3<sup>rd</sup> wave Response Strategy



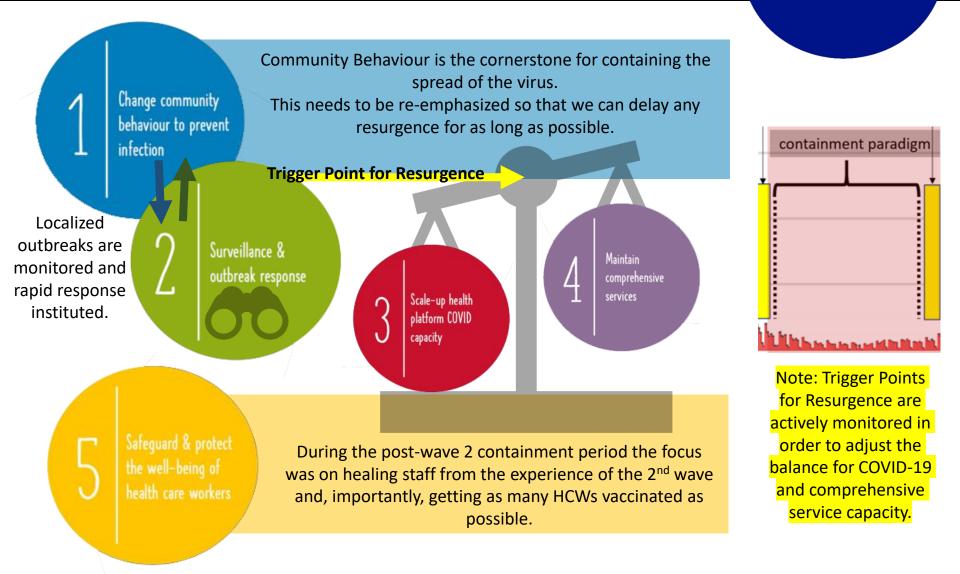
## **Containment Paradigm**

5 POINT COVID CONTAINMENT STRATEGY



### **Containment Paradigm**

5 POINT COVID CONTAINMENT STRATEGY



### Mitigation Paradigm

5 POINT COVID CONTAINMENT STRATEGY

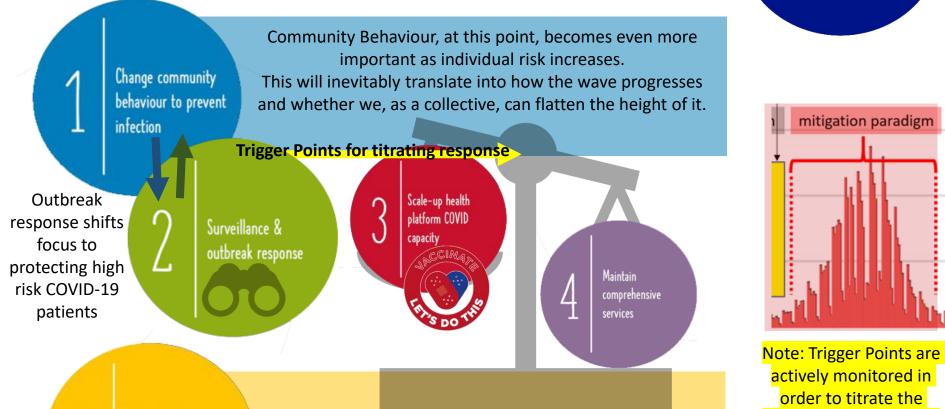
response to the COVID-

19 wave and achieve

balance for COVID-19

and comprehensive

service capacity.



Safeguard & protect the well-being of health care workers

During the wave 3 period we will be asking of our staff to manage increasing COVID-19 cases and a Phase 2 vaccine programme over and above their normal clinical duties. This additional burden will stretch our staff.

### Acute service platform – current picture

- 1. Currently **763 COVID patients** in our acute hospitals (**416** in **public** hospitals & **347** in **private** hospitals). This **excludes PUIs** and **cases in specialised hospital** settings.
- 2. The Metro hospitals have an average occupancy rate of 90%; George drainage area hospitals at 65%; Paarl drainage area hospitals at 74% & Worcester drainage area hospitals at 72%.
- 3. COVID & PUI cases currently make up 5% of all available acute general hospital capacity in both Metro and Rural Regional Hospital drainage areas.
- COVID inter-mediate care the Brackengate Hospital of Hope currently has 17 patients (3 380 cumulative patients), Freesia & Ward 99 has 0 patients, Mitchell Plain Hospital of Hope has 0 patients and Sonstraal currently has 0 patient.
- 5. The Metro mass fatality centre has capacity for 240 bodies; currently 3 decedents (cumulative total of 1415 bodies) admitted. The overall capacity has been successfully managed across the province.



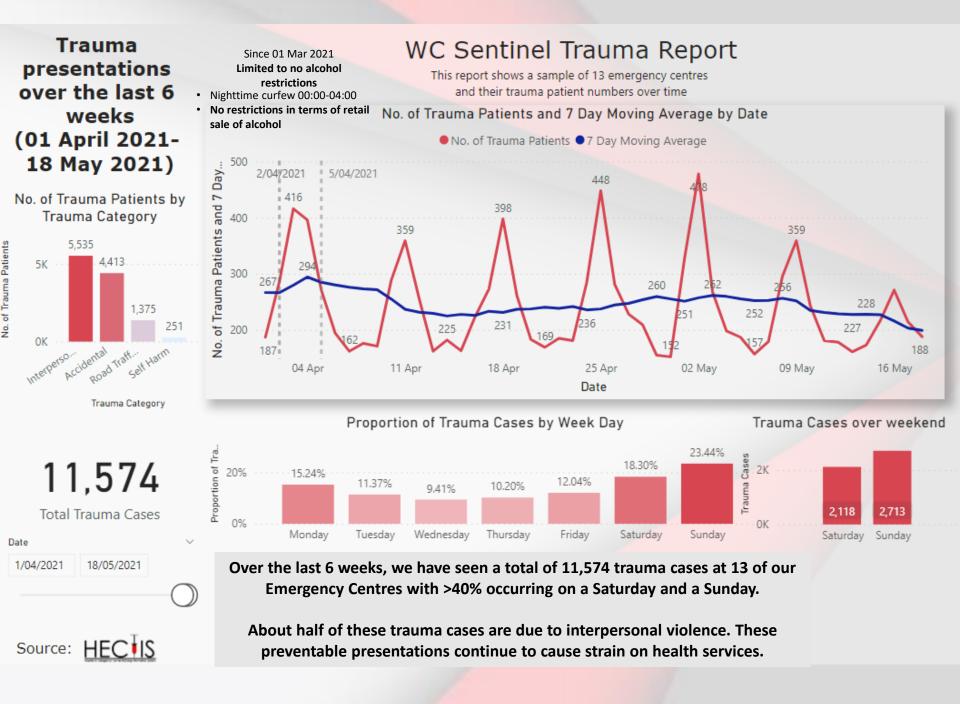
# **Current Acute Bed Utilisation per Drainage Area**

Western Cape Government Health							
WCDOH: Daily Opera	ational Bed Sta	atus Das	hboard a	as at 19/	05/2021		
						BUR % for	BUR % for
		Filled				Designated	Designated
Drainage Area						Covid	Covid
	Operational	Beds		COVID	% Covid	Beds(General	Beds(Critical
	Beds		BUR %	BUR %	patients	Wards)	Care)
Cape Town /Metro	5,041	4,531	<b>90</b> %	11%	4%	10%	31%
George	918	596	65%	<b>12</b> %	<b>7</b> %	13%	
Paarl	940	696	74%	20%	<mark>8</mark> %	<b>19</b> %	<b>50%</b>
Worcester	769	551	72%	15%	10%	14%	27%
SubTotal WCDOH	7,668	6,374	83%	12%	5%	12%	25%

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

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





### Oxygen utilisation – general comments

- The combined public-private utilisation is now 31.84 tons/day or 45.49% of the maximal production capacity (70 tons/day) at the Afrox Western Cape plant.
- The public sector total average bulk oxygen consumption has reduced to 14.68 tons/day. This equates to around 20.86 % of the daily bulk consumption of the Afrox WC plant for the 7-day period ending 30<sup>th</sup> April 2021. This is compared to 51 tons/day in the first week of January.
- 3. Both **public and private sectors** are **addressing some of the capacity challenges** at facility level, as identified during the 2<sup>nd</sup> wave, in preparation for the 3<sup>rd</sup> wave.
- We will continue to monitor the utilisation of oxygen over the coming weeks, with an undertaking from Afrox to be able to scale up the provision as required for a 3<sup>rd</sup> wave.



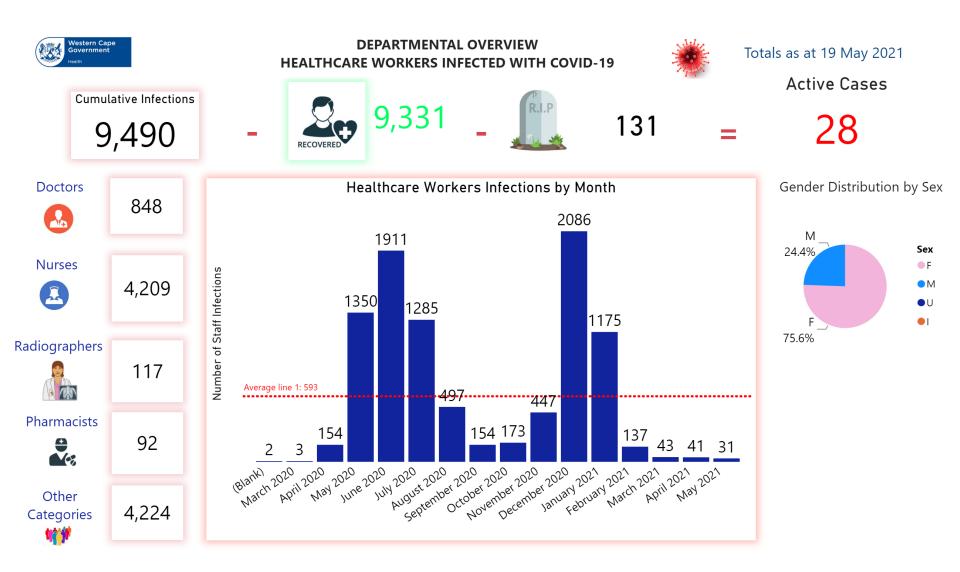
# PM Response: Planning for 3rd Wave

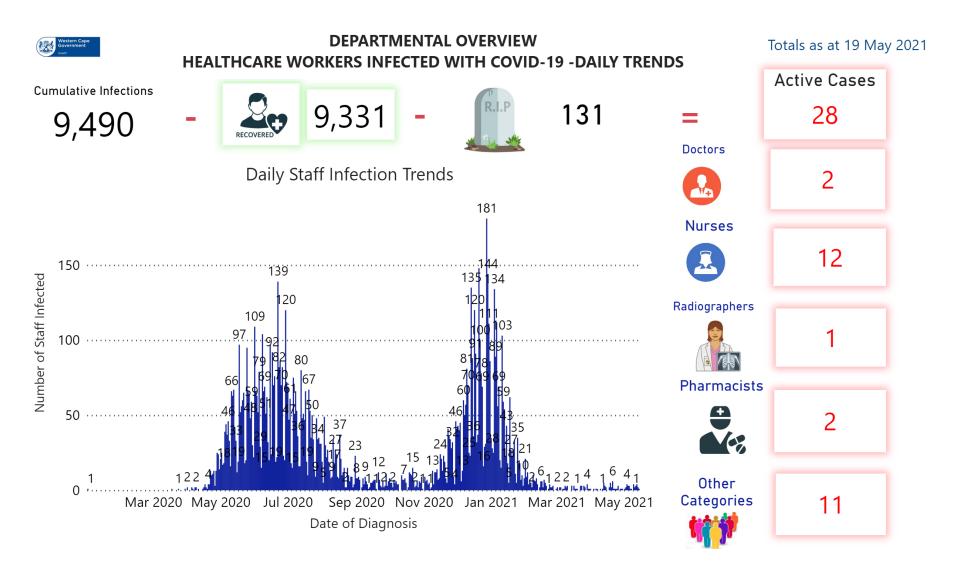
#### **COVID-19 Staffing Strategy**

- Contract extensions for the most critical posts to retain COVID staffing capacity (not all contracts were renewed to be economically efficient)
- Recruitment Database for additional COVID Nurses and Medical Staff that WCGH can still appoint 703 more people (as at 19 May 2021)
- Contract appointments double up as both COVID staff and Vaccinators

#### Vaccination Rollout – Staffing Strategy

- Vaccinator Support posts created via conditional grant:
  - RHS: 22 April
  - MHS: 18 May
- Recruitment Drive activated for Vaccinators (Prof Nurses, Doctors & Pharmacists) Link: <u>https://coronavirus.westerncape.gov.za/covid-19-recruitment-and-vaccination-drive</u>
- Online Clinical Screening Tool and Vaccinator Training currently in effect to ensure that appointed vaccinators are ready to deploy to mass vaccination sites
- Appointments are made within a geographical area staff can be rotated between facilities and institutions, as the wave shifts (Lesson learnt from 1<sup>st</sup> and 2<sup>nd</sup> wave)





# Vaccine Implementation update



# Vaccine update: Phases and Prioritisation Groups



• 70% of the estimated target of health care workers were

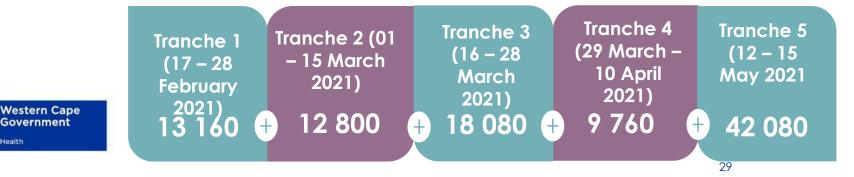
vaccinated via the Sisonke Programme.

- The balance of health care workers phase 1b has commenced on 17 May 2021.
- **33 900** doses of the Pfizer vaccine to complete Phase 1 and commence with Phase 2, was received in the province on 13 May 2021.

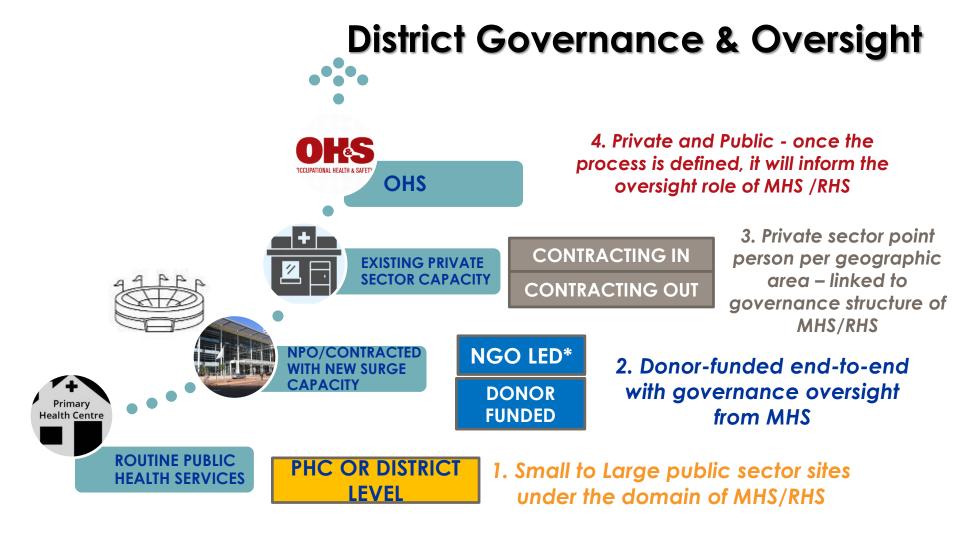


# J & J Sisonke Programme: 17 February to 15 May 2021

- 1. The Western Cape received a total **95 880** doses of the J&J vaccine to vaccinate healthcare workers as part of the Sisonke Programme.
- The Sisonke Programme started on 17 February 2021 and concluded on 15 May 2021.
- 3. A total of **93 153 health care workers** have been vaccinated in the province (public and private sectors) through the Sisonke Programme.
- 4. Phase 1b to **mop up remaining healthcare workers** has commenced on 17 May 2021 in parallel with the launch of Phase 2.

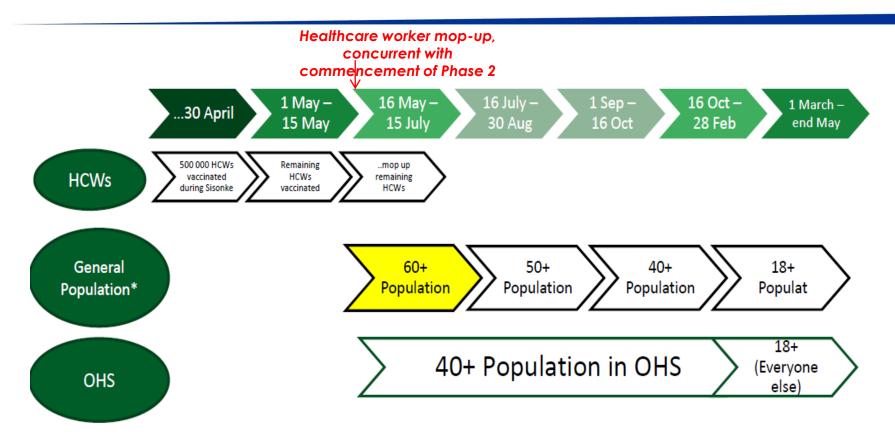


#### 4 Streams of Vaccine Sites for Phase 2 & 3





#### Phase 2 and Phase 3: NDoH Timelines and Target Population



- Phase 2 commenced on 17<sup>th</sup> May 2021 and will overlap with the mop-up of healthcare workers who have not been vaccinated as part of the Sisonke Programme.
- Transition from one age band to the next once a significant proportion (~70%) of the target population in the current age band has been vaccinated. Registration for other age-bands will be opened earlier to allow for smooth transition.



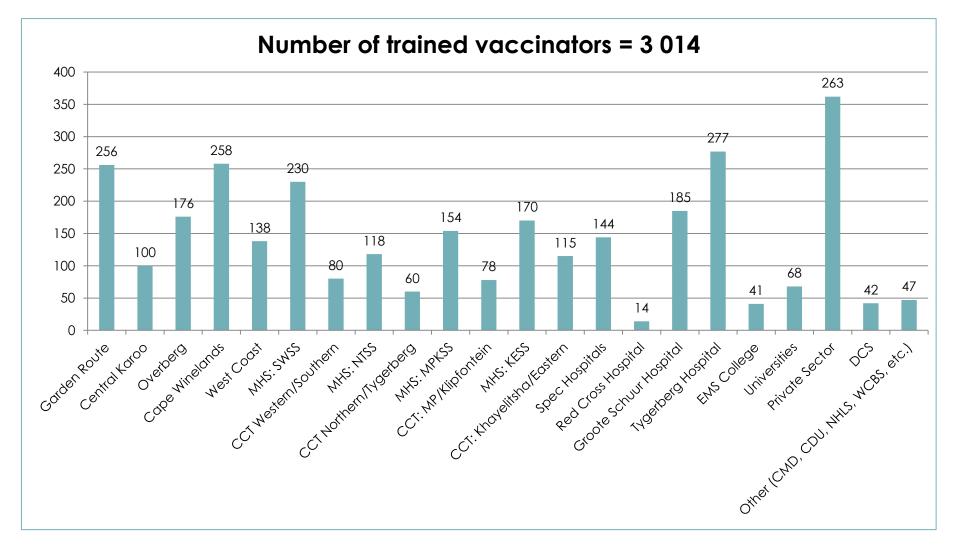
# Age-based Sequencing in WC

	Age band	Number	Timelines
Phase 2a	>60 yrs	719 668	17 May- 30 June
Phase 2b	40-59 yrs	1 631 040	1 July – 30 Oct
Phase 3a	30-39 yrs	1 314 059	1 Nov- 28 Feb
Phase 3b	18-29 yrs	1 378 556	
	Total	5 076 130	

- Age distribution will vary across districts & sub-districts
- Workers aged 40 years and older included in Phase 2



# Vaccinators (as at 19 May 2021)





## Updated Vaccine Supply Pipeline for Western Cape

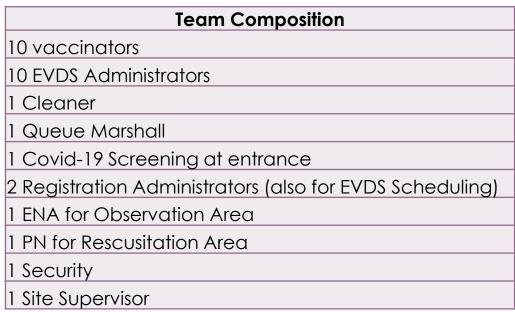
Import Date	2 May	9 May	16 May	25 May
Distribution Date	15 May	21 May	28 May	5 June
Pfizer doses	33 900	33 900	33 900	33 900
	Cohort 1 (dose 1)	Cohort 2 (dose 1)	Cohort 3 (dose 1)	Cohort 1 (dose 2)
J&J doses	-	-	~260 000 J&J Vaccines	-
Provincial Cumulative Vaccinated	~33 900 (Pfizer)	~67 800 (Pfizer)	~361 700 (Pfizer & J&J)	~395 600 (Pfizer & J&J)
	Only Pfizer sites	Only Pfizer sites	Only Pfizer sites	Pfizer and J&J sites
Phase 1 – HCWs	x (90% of stock)	x (5%)	HCW mop up (5%)	
Phase 2 – Congregate settings	x (10% of stock) Mobile service - old Age homes	x (20%) balance of old age homes	X (15%)	x (old age homes)
Phase 2 – OHS		x (10%) - Mining and public service most ready	X (25%)	X
Phase 2 – General Population		X (65%)	x (50%)	Х

# **Vaccination Sites and Team Composition**

Site Size	# of Teams	Venue	~Daily Output
Small	0.5	PHC Facility	250
Medium	1	Hospital, Community Hall, Retail location	500
Large	2	Community Hall, Gyms, etc	1000
XL	3	Large Community Hall	1500
XXL (Mass Site)	5	Convention centre, stadium, velodrome, etc	2500 +

1 team = 10 vaccinator and administrator pairs Number of support staff will vary depending on number of teams utilised and venue size & type

Western Cape Government



# Provisional Public Sector Sites: Metro & Rural for Phase 2

District	Sub-structure	# of Vaccination Sites
City of Cape Town	Southern/Western	19
	Klipfontein/Mitchell's Plain	11
	Khayelitsha/Eastern	19
	Northern/Tygerberg	21
TOTAL		70
Rural Districts	Overberg District	48
	Garden Route District	41
	West Coast District	53
	Cape Winelands District	48
	Central Karoo District	14
TOTAL		204

- Public Sector Sites will come on line in a phased manner from 17 May onwards
- Mass sites (Metro), Private sector sites and Workplace sites will be added
- There will be weekly updates on activated sites per geographic area



### Launch of Phase 1b and Phase 2

- The Western Cape officially launched Phase 1b and Phase 2 on 17 May 2021 at Brooklyn Chest Hospital.
- Religions leaders from different faiths, including Archbishop Desmond and Mrs Leah Tutu were amongst the first citizens aged 60 years and older to be vaccinated.







### Go-live sites 18 – 21 May 2021

#### Phase 1b (HCWs) & Phase 2 (>60 years)

Combination of Primary Sites and Site conducting outreach to Old-Aged Homes





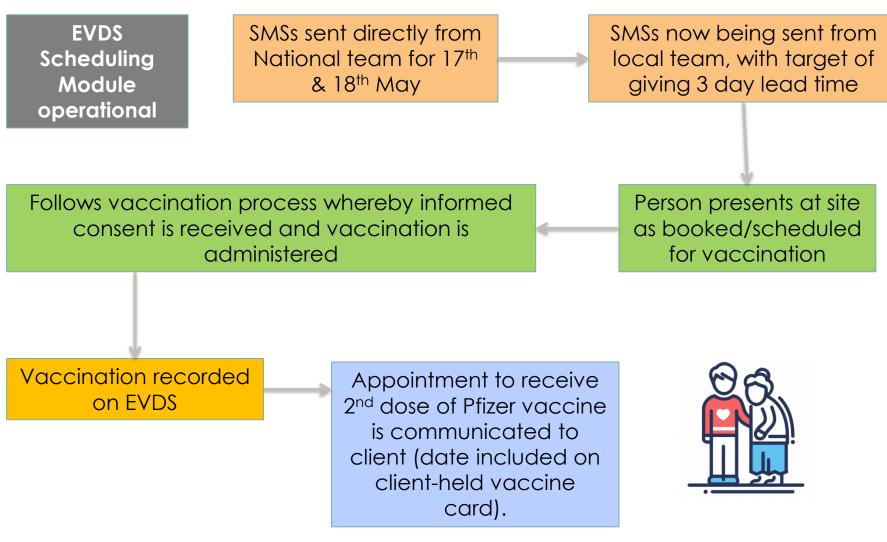
## Private sector vaccination sites – coming on line

ORGANISATION	FACILITY	STARTING DATE
	Constantia	19-May-21
	Tygervalley	19-May-21
	Westcoast Village	19-May-21
	Blue Route	19-May-21
	Paarl Mall	19-May-21
	Vredendal Mall	19-May-21
	Edgemead	19-May-21
MEDICLINIC	Cape Gate	24-May-21
	Milnerton	24-May-21
	Geneva Hospital	24-May-21
	Vergelegen Hospital	24-May-21

# We are also liaising with other private entities and will confirm more sites as they come on line



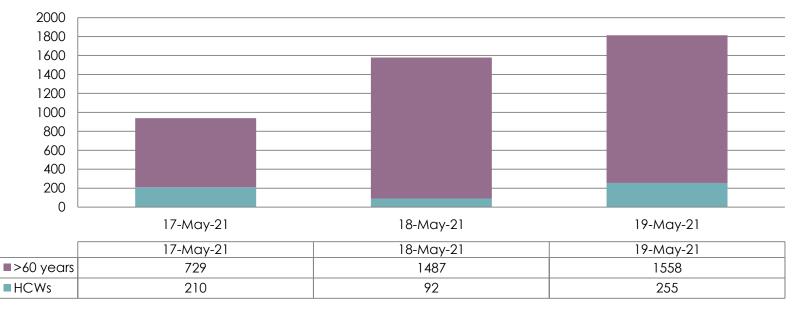
## Small Group of >60yr olds (at sites)





### Phase 1b & Phase 2

#### 17 - 19 May 2021: Total Vaccinated = 4 331

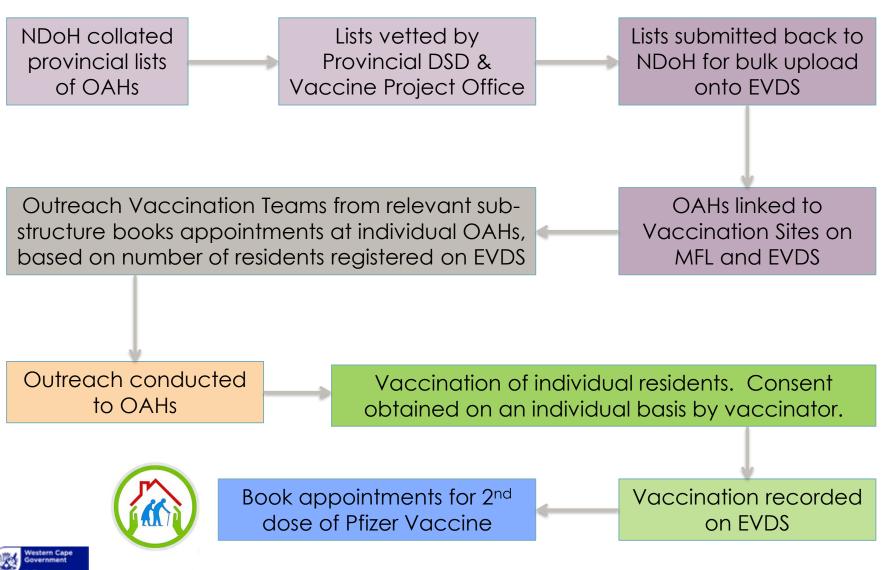


#### Cumulative Total = 93 153 (Sisonke) + 4 331 = 97 484 vaccines administered.

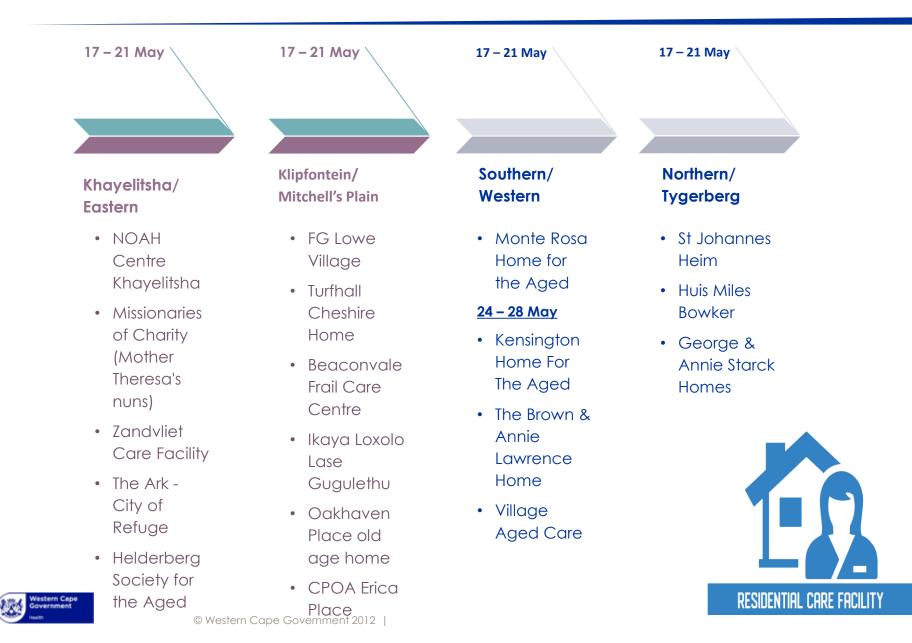
\*Phase 1b and Phase 2 recipients still to receive 2<sup>nd</sup> Pfizer dose



## Congregate Settings (Old-Aged Homes)



### Congregate Settings Planned: 17 – 21 May 2021



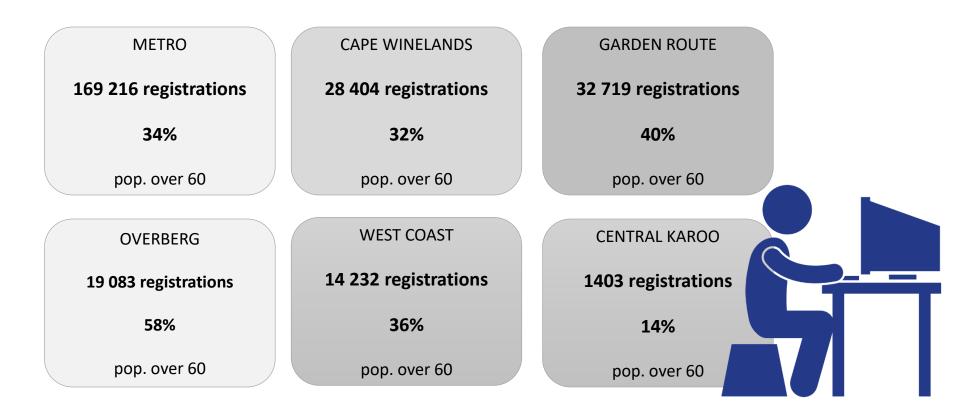
# **EVDS Registrations**





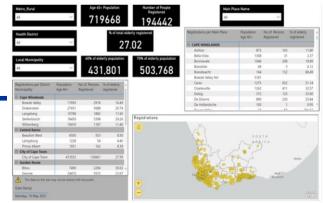
### Phase 2 EVDS Registrations on 19 May 2021

## Total – 265 057 (36.8%)



#### The dashboard aims to address:

1. How many elderly (60yrs+) are there across the



- Western Cape and where are the clusters of elderly in communities?
- 2. What is the distribution of the elderly population across the communities which have high levels of socio-economic vulnerability?
- 3. What the estimated elderly population within a 1 to 5km radius of a vaccination site?
- 4. Where should additional support be provided to improve registration numbers across communities?
- 5. What are the surrounding footprints of social facilities (like WiFi sites) which may support vaccination efforts?



### Demand Creation for >60 years

- There is a need for targeted demand creation to ensure that person 60 years and older are encouraged and enabled to register on EVDS.
- Community Workers to provide information as they conduct their routine door-to-door activities.
- Strategies for assisted registration will include:
  - $\circ$  Partnering with all government,

business and civil society sectors to maximise resources

- "Assist an elder" message in communication: assist elderly family member or community members
- Targeted drives in each geographic

area with low uptake of registrations





### Public registration drive

### Over 60 years old? Registering for your COVID-19 Vaccine is quick and easy.

- · Go to www.westerncape.gov.za and click on the link .
- Dial \*134\*832# on your phone. This is free on all South African networks.
- Whatsapp the word 'REGISTER' to 0600 123 456.

Help someone who is struggling or who does not have access to the internet.







## Conclusions



© Western Cape Government 2012

### **Concluding remarks**

- We are in a resurgence and urge everyone to adhere to protective behaviours, as a key drive to contain a 3<sup>rd</sup> wave.
- We anticipate that the 3<sup>rd</sup> wave will be lower than the 2<sup>nd</sup> wave. However this is dependent on the strength of our behaviour over the coming weeks.
- Preparations for the 3<sup>rd</sup> wave are in full swing, with clearly identified trigger points for an appropriate health platform resource response.
- We require a concerted whole of government and whole of society response to flatten the 3<sup>rd</sup> wave.
- 5. We have started with Phase 1b and Phase 2 vaccination on 17<sup>th</sup> May 2021, and will significantly scale up capacity to administer vaccines over the coming weeks, in a sequential manner in each geographic area.
- We need to mobilise and assist everyone >60 years to be registered on the EVDS for Phase 2, it is in everybody's interest – "Let's do This"



# Thank you

