



**Western Cape  
Government**

Health

## Digital Press Conference

Update: COVID-19 and Vaccination Roll-out

Dr K Cloete

7 October 2021

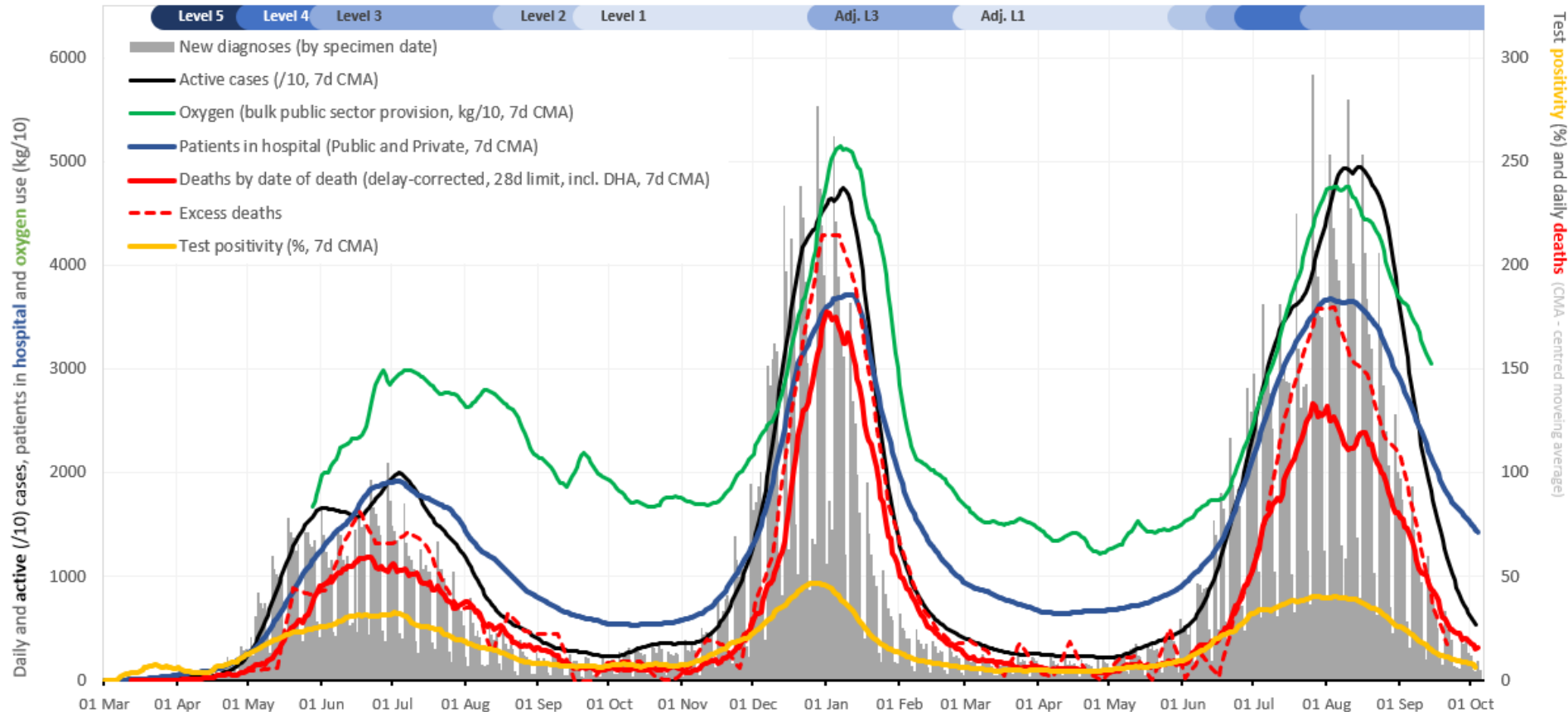
# Overview

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1. Surveillance & Response Update
2. The triggered response and current status of the health platform
3. Understanding COVID deaths and the impact of vaccines
4. Vaccine Implementation update
5. Conclusions

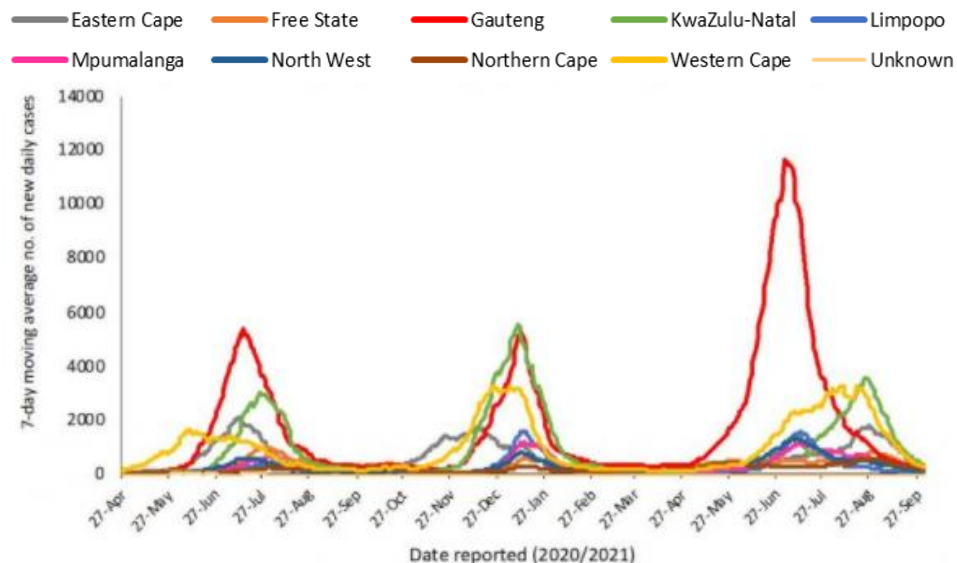
# Surveillance & Response Update

# Integrated testing, case, hospitalisation and mortality trends

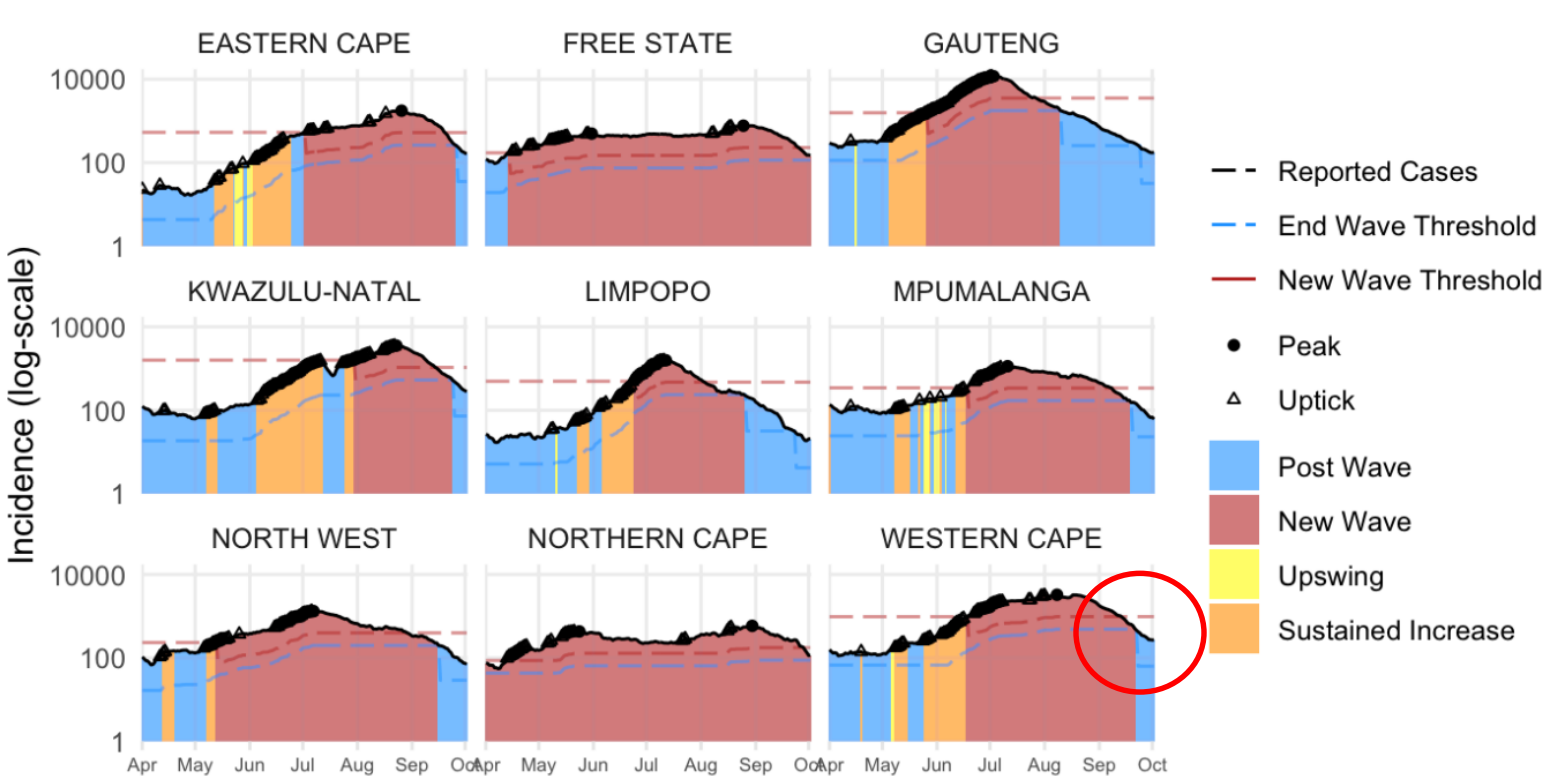


# National trends

- South Africa as a whole and all provinces except Free State and Northern Cape have reached the end of wave threshold.
- All provinces on downward trend.



7-day moving average of new cases by province



**NATIONAL INSTITUTE FOR  
COMMUNICABLE DISEASES**  
Division of the National Health Laboratory Service

- Reported Cases
- End Wave Threshold
- New Wave Threshold
- Peak
- △ Uptick
- Post Wave
- New Wave
- Upswing
- Sustained Increase



**SOUTH AFRICAN  
COVID-19  
MODELLING  
CONSORTIUM**



## Provincial Resurgence Overview

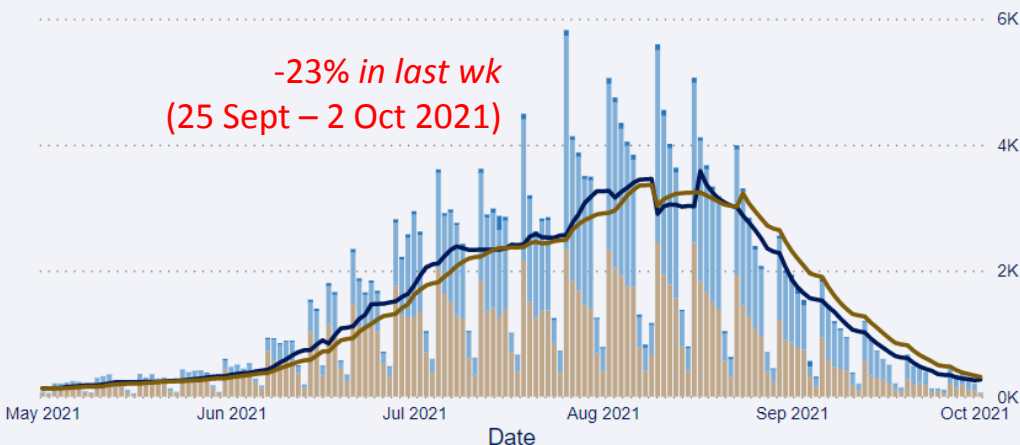


Health Impact Assessment  
WC Department of Health  
Last Updated:

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No. of Cases, 7 Day Moving Average and 14 Day Moving Average by Date and Sector

Sector ● Private/Other ● Public ● Unknown — 7 Day Moving Average — 14 Day Moving Average

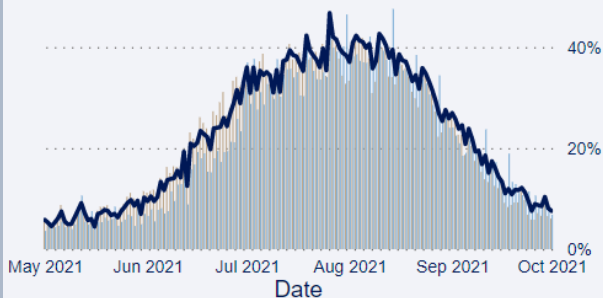


Select District, Subdistrict:

- ☐ Cape Winelands
- ☐ Central Karoo
- ☐ City of Cape Town
  - ☐ Eastern
  - ☐ Khayelitsha
  - ☐ Klipfontein
  - ☐ Mitchells Plain
  - ☐ Northern
  - ☐ Southern
  - ☐ Tygerberg
  - ☐ Western
- ☐ Garden Route
- ☐ Overberg
- ☐ West Coast

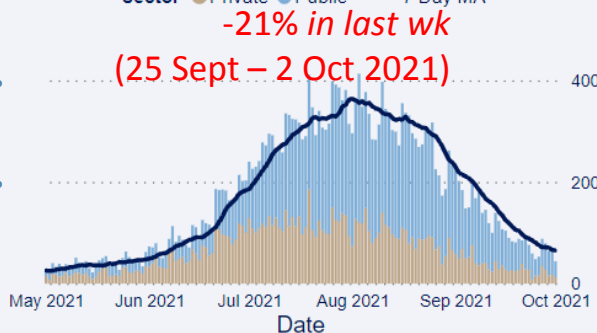
Proportion Positive and Overall Positivity by Date and Sector (\*Provincial Only)

Sector ● Private/Other ● Public — Overall Positivity



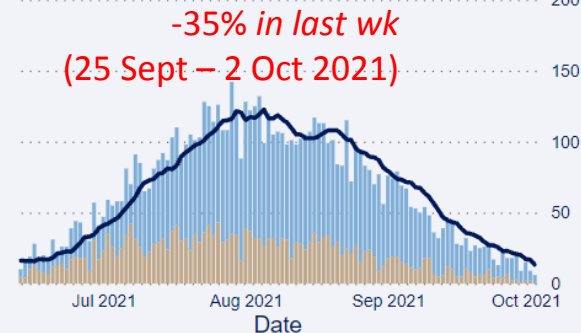
No. of New Admissions and 7 Day MA by Date and Sector

Sector ● Private ● Public — 7 Day MA



No. of Deaths and 7 Day MA by Date and Sector

Sector ● Private/Other ● Public — 7 Day MA



## Provincial Overview

- Incident cases continue to decrease, and we are now seeing on average **315 new diagnoses each day**.
- The **proportion positive** has also decreased to **8%**.
- Admissions and deaths continue on a downward trend, with an average of **64 new admissions** and around **17 deaths each day**.

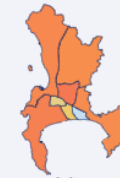


5/1/2021

10/2/2021



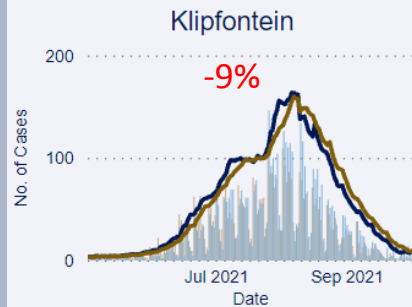
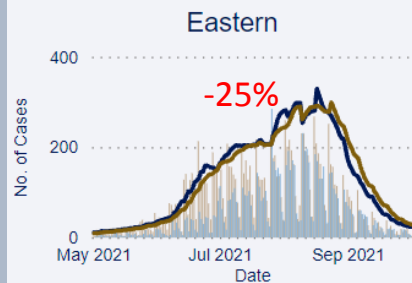
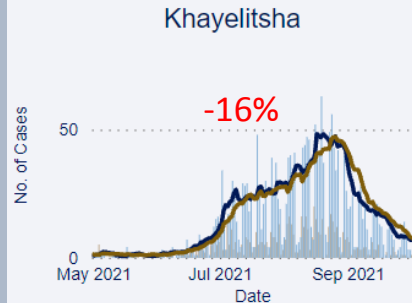
## Metro Resurgence Overview



Health Impact Assessment  
WC Department of Health  
Last Updated:

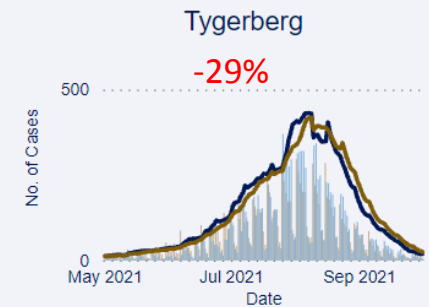
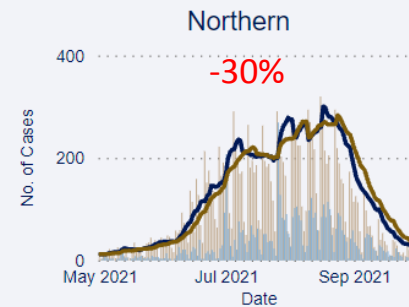
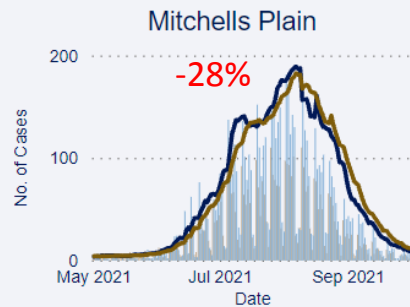
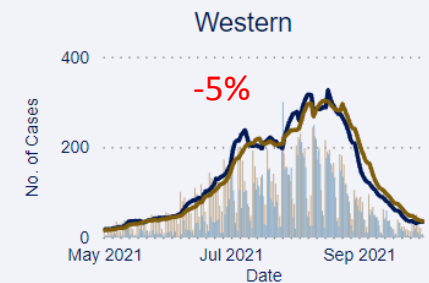
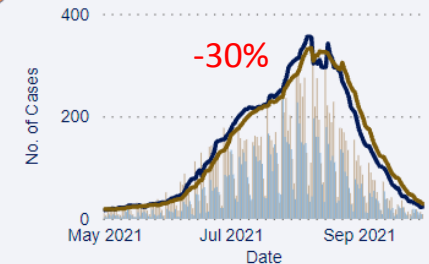
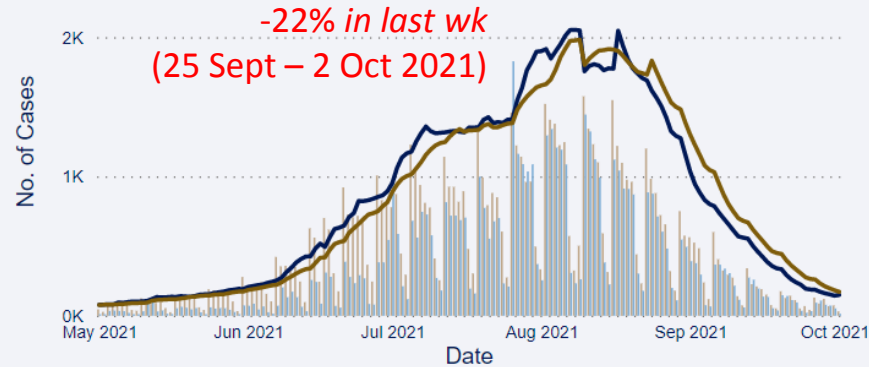
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Southern



Metro Overview: No. of Cases with 7 and 14 Day MA by Date and by sector

Sector ● Private/Other ● Public — 7 Day Moving Average — 14 Day Moving Average



## Metro Overview

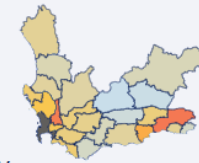
- Overall, there is a **22% week on week decrease** in cases in the **Metro**.
- All subdistricts continue to see decreases in case numbers.



5/1/2021 10/2/2021



## Rural Resurgence Overview

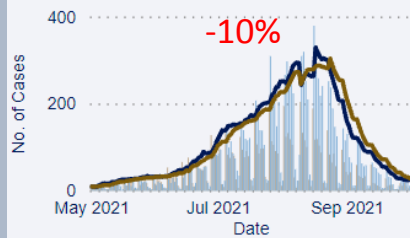


Health Impact Assessment  
WC Department of Health

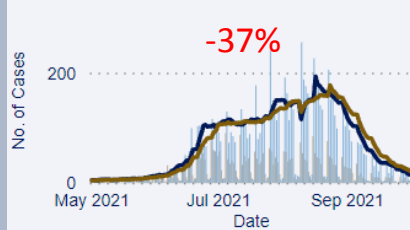
Last Updated:

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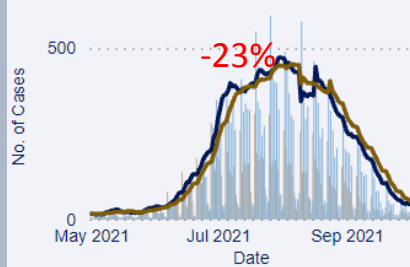
### West Coast



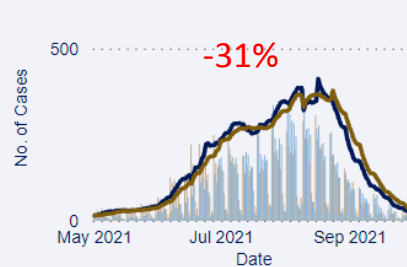
### Overberg



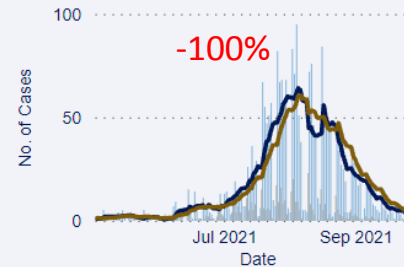
### Garden Route



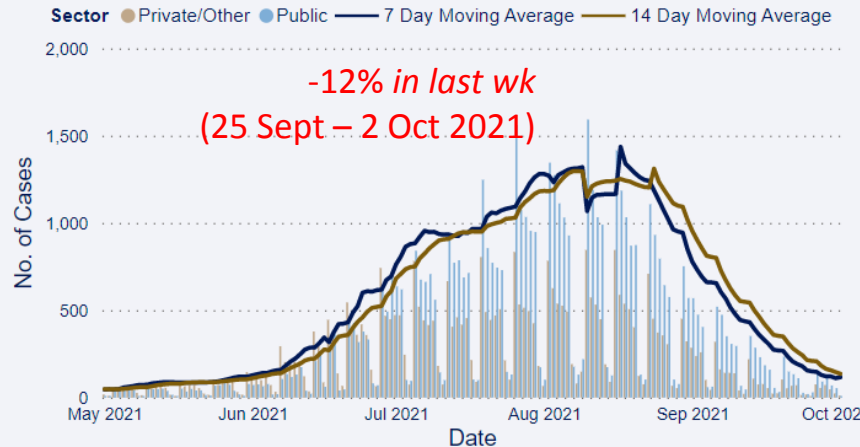
### Cape Winelands



### Central Karoo



### Rural Overview: No. of Cases with 7 and 14 Day MA by Date and by sector



### No. of Cases by Rural Subdistrict

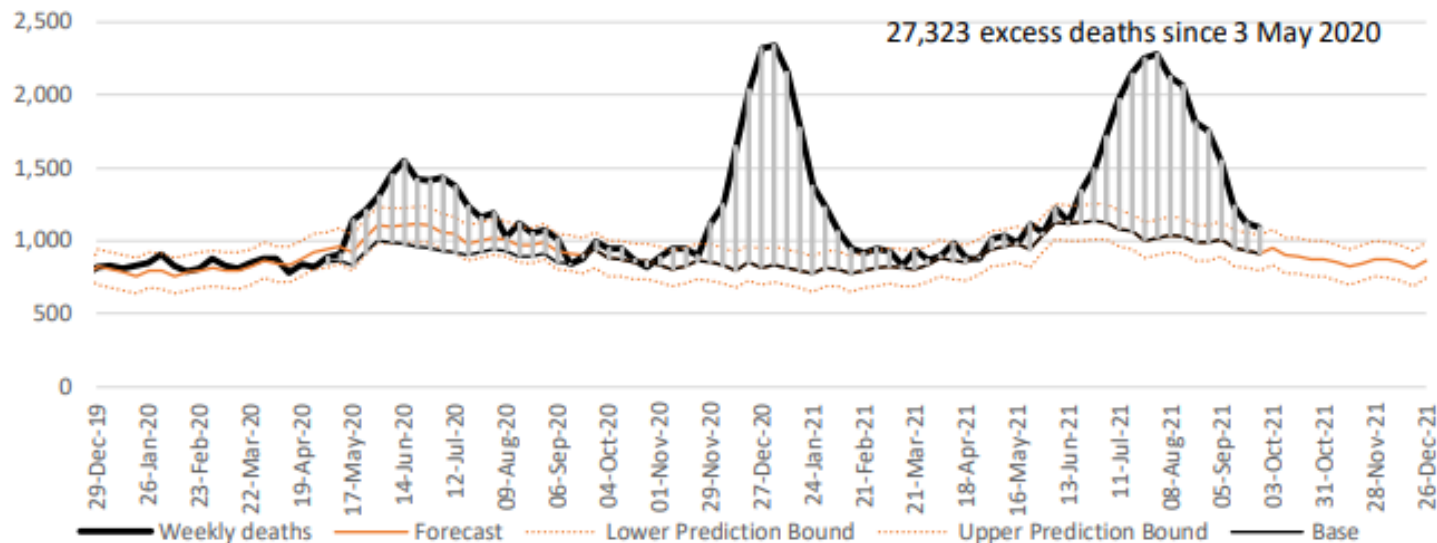
District	Subdistrict	No. of Cases
Garden Route	George	12,115
Cape Winelands	Drakenstein	11,665
Garden Route	Mossel Bay	8,032
West Coast	Swartland	5,621
Cape Winelands	Stellenbosch	5,340
West Coast	Saldanha Bay	4,489
Overberg	Overstrand	4,434
Garden Route	Oudtshoorn	4,061
Cape Winelands	Breede Valley	4,047
Overberg	Theewaterskloof	3,972
Cape Winelands	Langeberg	3,501
Garden Route	Knysna	3,262
West Coast	Matzikama	3,200
Garden Route	Hessequa	2,971
West Coast	Bergervier	2,950
Cape Winelands	Witzenberg	2,704
West Coast	Cederberg	2,205
Central Karoo	Beaufort West	2,032
Overberg	Swellendam	1,882
Overberg	Cape Agulhas	1,595
Garden Route	Bitou	1,589
Garden Route	Kannaland	871
Central Karoo	Prince Albert	469
Central Karoo	Laingsburg	311
<b>Total</b>		<b>93,318</b>

## Rural Overview

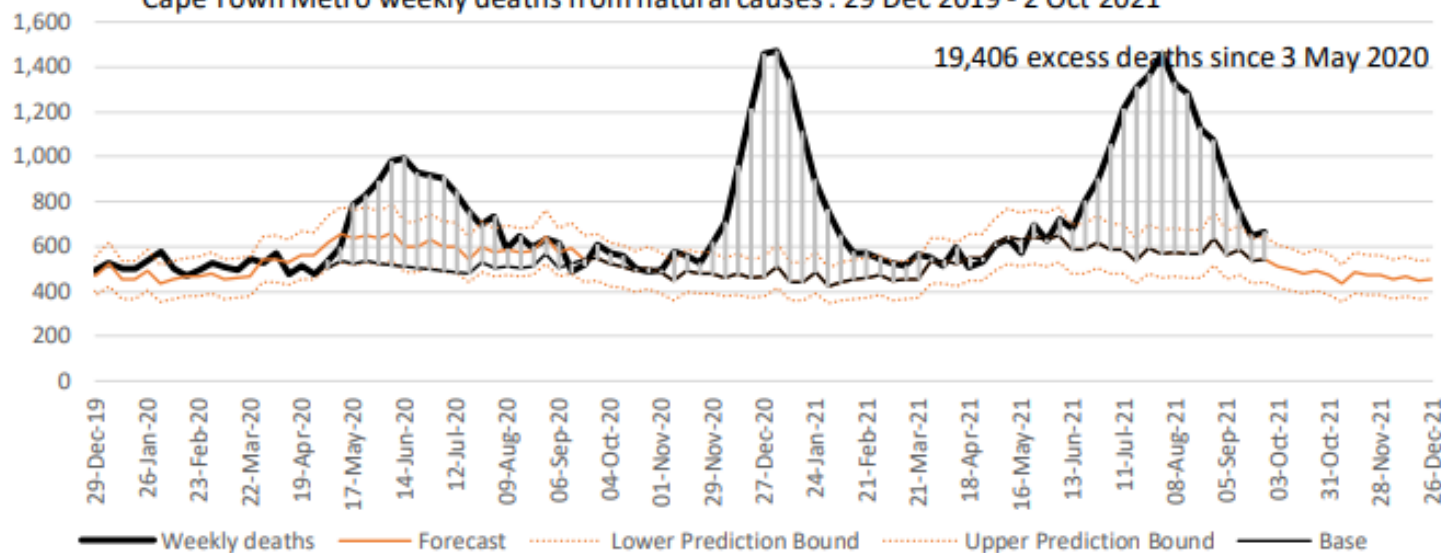
- There is a similar decrease in case numbers across the rural districts.



Western Cape weekly deaths from natural causes : 29 Dec 2019 - 2 Oct 2021



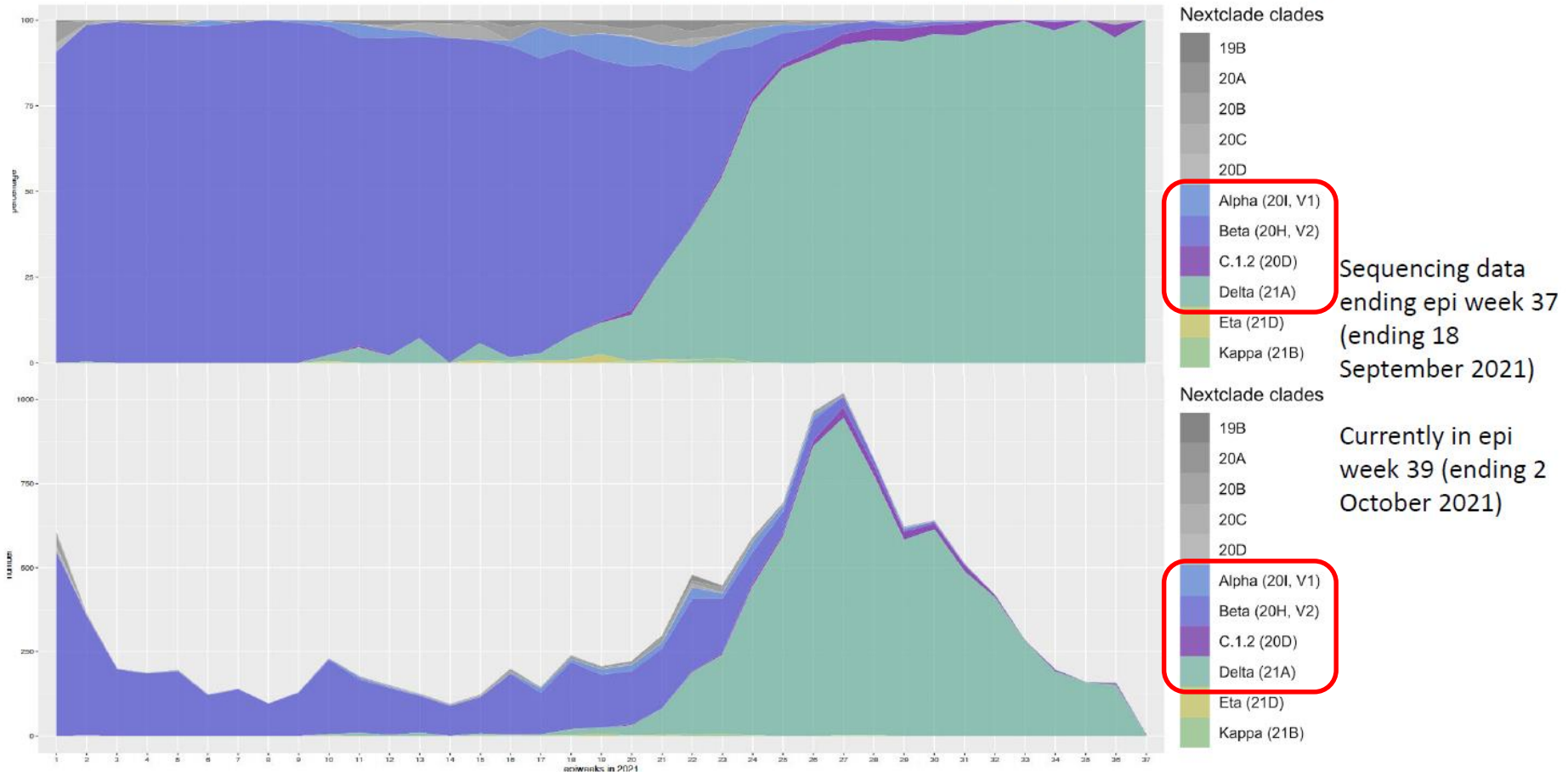
Cape Town Metro weekly deaths from natural causes : 29 Dec 2019 - 2 Oct 2021



Excess deaths are at the upper prediction bound and following expected patterns for this time of year in both the Cape Metro and across the province.

# Update on genomic surveillance in South Africa

## Distribution and number of clades in South Africa, 2021 (N= 12 985)













Delta came to dominate by end June at >65% , in July at >85% and in August and September at >90%  
C.1.2 present at <4% frequency since March

Delta overwhelmingly dominant variant with very little Beta or C.1.2 detected.

# The triggered response and current status of the health platform

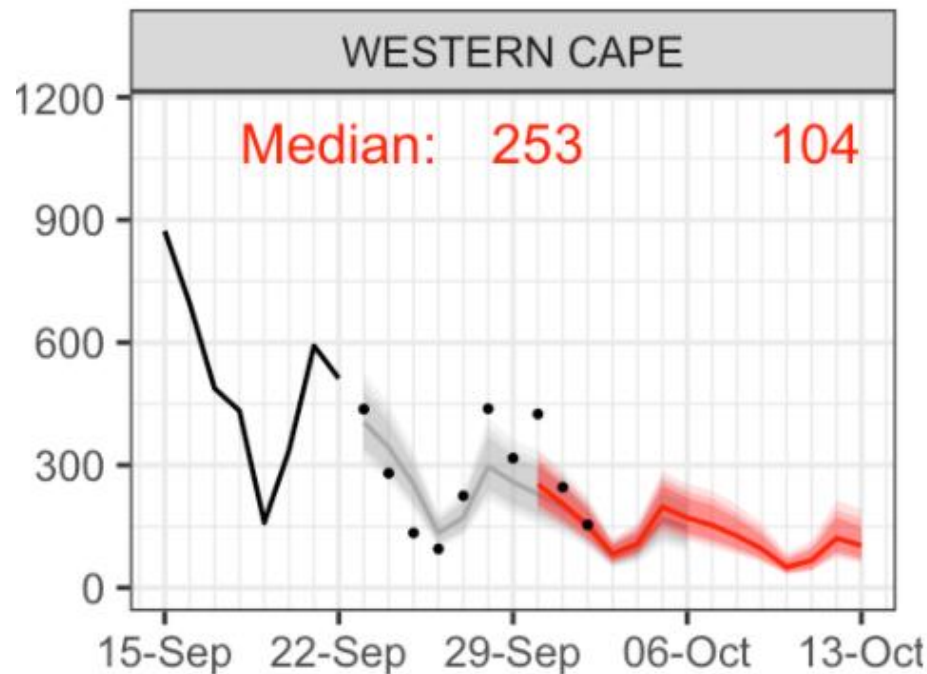
## Western Cape 3<sup>rd</sup> wave – triggered response

**Principle:** Transparent pre-defined triggers for whole of society response to reduce transmission and prepare health services.

Indicator	Example of Resurgence Metric	
First warning: ↑ health service demand in 14-21d	  	<p>Large ↑ daily cases (increase for ≥ 1 week of ≥ 20%) (-25.4%)</p> <p>Overall test positivity &gt;7% for ≥1 week (8.6%)</p> <p>&gt;15% of hospitals have &gt;10% of beds occupied by COVID-19 patients (21%)</p> <p>&gt;50% ↑ in pre-COVID-19 hospital O<sub>2</sub> use (currently at 21T/day or &gt;50%)</p>
Second warning: ↑ health service demand in 7-14d	  	<p>Overall test positivity 10-15% for ≥1 week (8.6%)</p> <p>&gt;15% week-on-week increase in 7dma of current admissions (↓to - 15.2%)</p> <p>&gt;40% of hospitals have &gt;10% of beds occupied by COVID-19 patients (21%)</p> <p>&gt;75% ↑ in pre-COVID-19 hospital O<sub>2</sub> use (currently at 21T/day or 79.5%)</p>
Third warning: ↑ health service demand in 2-7d	 	<p>&gt;20% week-on-week increase in 7dma of current admissions (↓to - 15.2%)</p> <p>&gt;50% of hospitals have &gt;20% of beds occupied by COVID-19 patients (30%)</p> <p>&gt;50% of high care, intensive care &amp; HFNO<sub>2</sub> COVID-19 beds occupied (37%)</p> <p>&gt;100% ↑ in pre-COVID-19 hospital O<sub>2</sub> use (currently at 21T/day or &lt;100%)</p>
Health service capacity threatened	 	<p>&gt;2800 current COVID-19 inpatients (currently at 1670 admissions)</p> <p>Note: This is across both public and private sector.</p> <p>&gt;80% of high care, intensive care &amp; HFNO<sub>2</sub> COVID-19 beds occupied (37%)</p> <p>&gt;200% ↑ in pre-COVID-19 hospital O<sub>2</sub> use (currently at 21 T/daily ~ 79.5%)</p>

# Short term predictions from SACMC – new cases

Actual cases continue to fit relatively well with predicted numbers for the past week with further declines in case numbers expected.



**Black line:**  
previous cases

**Grey line:**  
forecast for this week

**Dots:**  
actual cases

**Red line:**  
Prediction for next week

# Acute service platform – current picture

**2690 public  
beds  
provisioned**

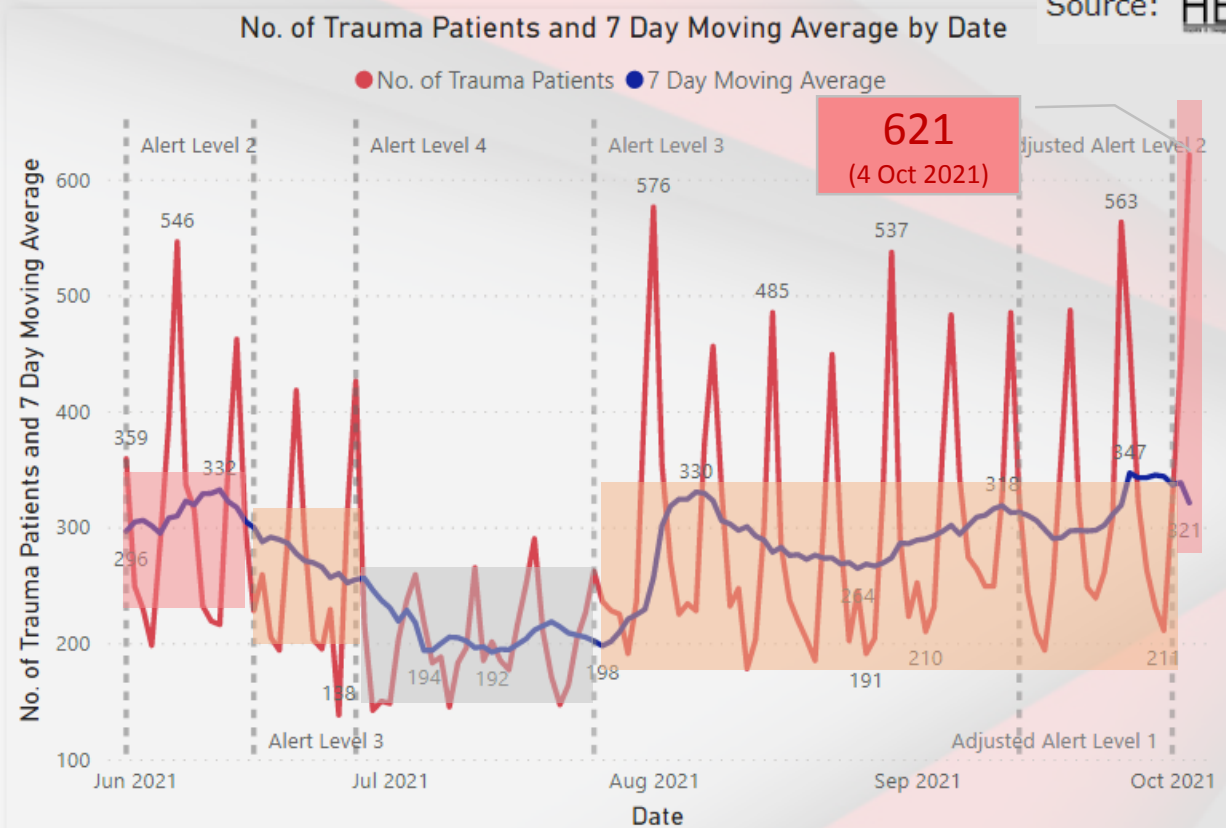
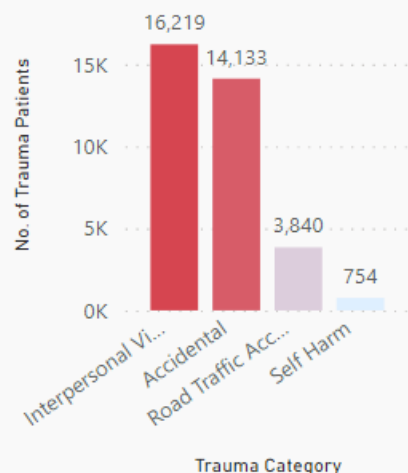
1. Currently **1 670 COVID patients** in our acute hospitals ( **873** in **public** hospitals & **797** in **private** hospitals). This **excludes PUIs** and **cases in specialised hospital** settings.
2. The **Metro hospitals** have an average **BOR of 92%**; **George** drainage area hospitals at **66%**; **Paarl** drainage area hospitals at **68%** & **Worcester** drainage area hospitals at **71%**. **Critical care BOR for designated COVID beds for the province at 30 %**.
3. **COVID & PUI cases** currently make up **8%** of all available acute general hospital capacity in both Metro and Rural Regional Hospital drainage areas.
4. **COVID inter-mediate care** – the **Brackengate Hospital of Hope** currently has **63 patients (18.75 % BOR)**, **Mitchell Plain Hospital of Hope** has **now closed**. **Sonstraal** currently has **9 clients (13.2 % BOR)**; **Freesia & Ward 99** have **0 patients**.
5. The Metro **mass fatality centre** has capacity has now closed.

# Overview of changes in recent trauma presentations (31 May 2021- 3 Oct 2021)

This report shows a sample of 17 hospital emergency centres and their trauma patient numbers over time

Source: **HECIS**

No. of Trauma Patients by Trauma Category



Date Period	Lockdown Level	Alcohol Regulation	Curfew
31 May -15 June 2021	Alert Level 2	No restrictions	23:00-04:00
16 June -27 June 2021	Adjusted Level 3	Offsite sale restriction Mon-Thurs 10-00-18:00	22:00-04:00
28 June – 25 July 2021	Adjusted Level 4	Complete prohibition of sale	21:00-04:00
26 July - 12 September 2021	Adjusted Level 3	Offsite sale restriction Mon-Thurs 10-00-18:00	22:00-04:00

Date Period	Lockdown Level	Alcohol Regulation	Curfew
13 Sept – 30 Sept 2021	Adjusted Level 2	Offsite sale restriction Mon-Friday 10-00-18:00	23:00-04:00
>1 Oct 2021	Adjusted Level 1	No restrictions	00:00-04:00

**The recent shift to Level 1 with lifting of all alcohol restrictions has resulted in the highest single day of trauma cases of the entire year.**



# Caring for our People – exiting 3<sup>rd</sup> Wave

## Workforce Planning:

- Currently, appointed **839** staff additional for COVID
- Appointed **1449 HCW and support staff** which includes **594 interns** for the Vaccination Drive
- Contract extensions until end of Dec to ensure continued staff capacity the health platform (in anticipation of the 4<sup>th</sup> wave).
- A total of **777 applicants** can still be appointed, if needed

COVID: 2 new appointees

### Vaccination Drive:

- 9 new appointees (HWC & Support);
- 7 interns appointed additionally

## Vaccination Training:

- **6285** registered vaccinators on health platform
- **4189** trained vaccinators to date

7 new registered vaccinators

12 additionally trained vaccinators

## Well-being and Safety:

- Increased utilisation of Onsite Counselling Clinics (Employee Wellbeing Programme)
- PPE provision and improving OHS Practices
- Staff Fatigue – **encouraging rest & reset** (leave provisions)
- **HEALING JOURNEY Phase 2** will be commencing in October
- Internal Health Comms Series and Staff Wellbeing to build resilience and hope

### EHW Programme Focus Areas:

- Physical Wellbeing (Yoga & Therapeutic Dance)
- Mental Wellbeing (Resilience, Coping & Support)
- Financial Wellbeing

5

Safeguard & protect the well-being of health care workers



# DEPARTMENTAL OVERVIEW OF ONLY COVID-19 CASES AND DEATHS IN HEALTHCARE WORKERS (HCWs)

Totals as at 06 Oct 2021

Cumulative Infections

12,545



12,291

% Recovered

97.98%



189

% Died

1.51%

Active Cases

65

% Active

0.52%

Doctors



1259

Nurse



5,456

Radiographers



151

Pharmacists



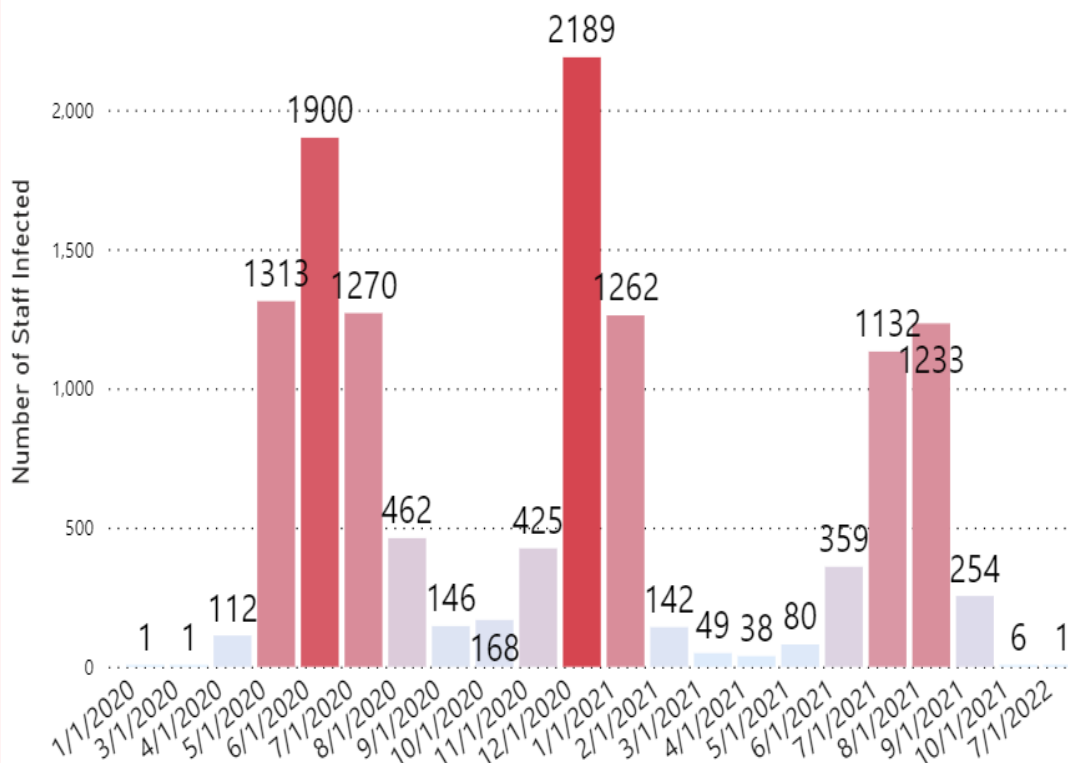
142

Other  
categories

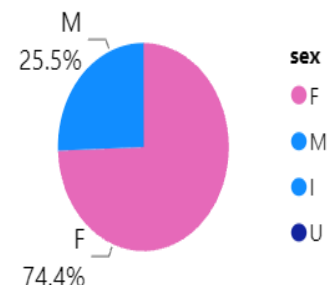


5,537

Total Staff Infected per Month



Gender Distribution



# Understanding COVID deaths and the impact of vaccines

## 50+ years, Cases, hospitalisations & deaths

over a period of 12 weeks during the 3<sup>rd</sup> Wave



Age 50+  
**30% of  
Cases**



Age 50+  
**60% of  
admissions**



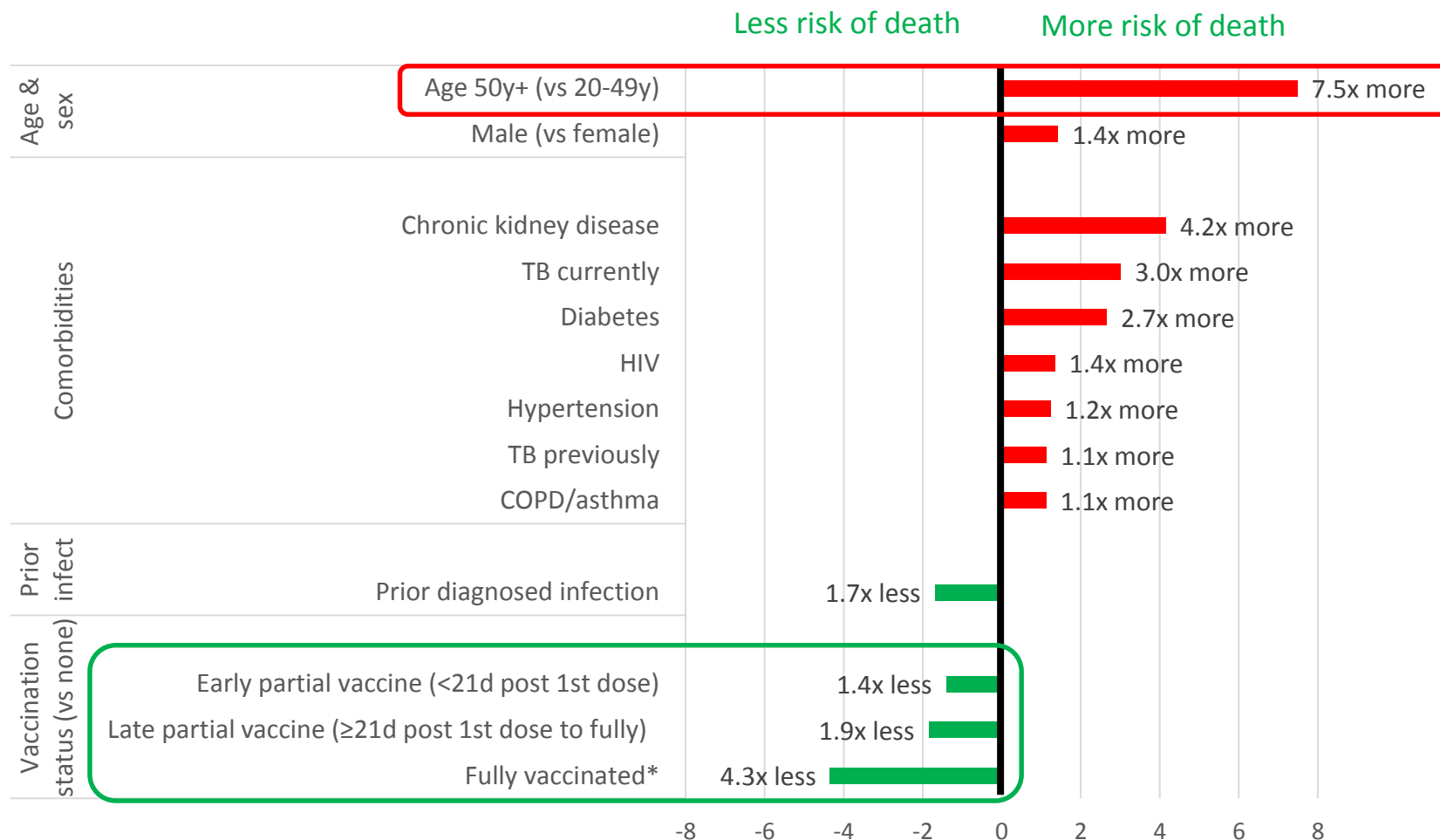
Age 50+  
**83% of  
Deaths**



# Risk factors for death in adult COVID-19 cases in wave 3

(limited to public sector cases diagnosed before 23 Aug 2021; n=58,010)

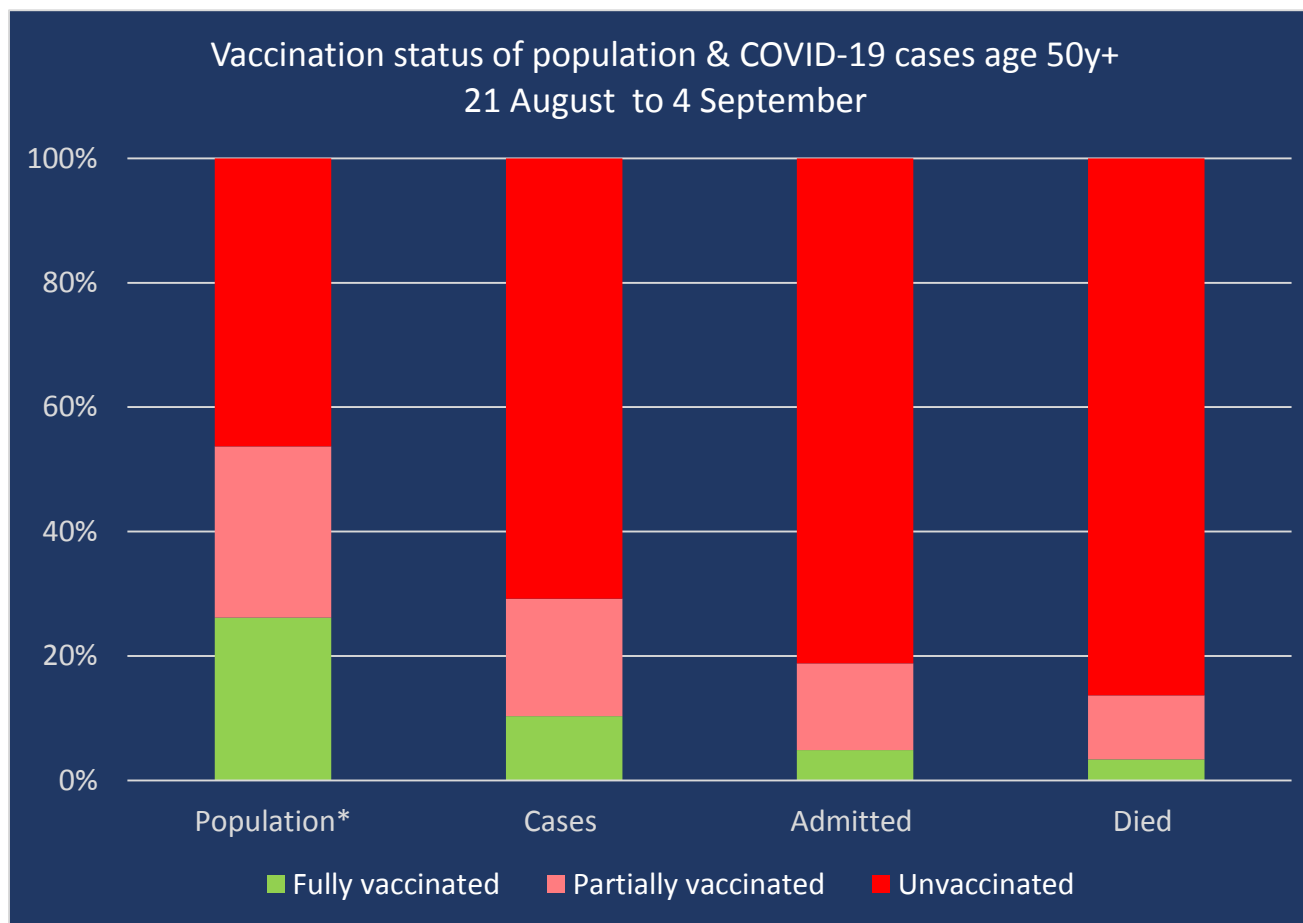
Number of times more or less likely to die among COVID-19 cases



Age 50y+ (vs younger) is the single biggest risk factor for COVID-19 death.

Even in those with breakthrough infections, vaccination is strongly protective against death.

# Vaccine effectiveness of full & partial vaccination: age 50y+

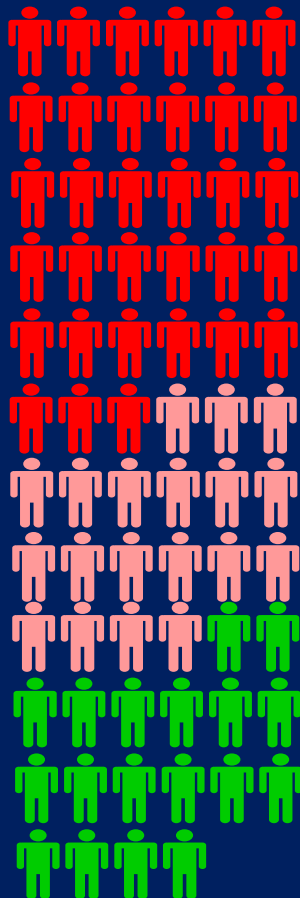


- Data continues to show strong protection of full vaccination against severe disease and death.
- Partial vaccination is also protective but less so than full vaccination.
- No evidence of increased risk of COVID-19 infection, severe disease or death in the few weeks immediately following vaccination.

\*Population vaccine coverage as at 14 Aug 2021; Fully vaccinated:  $\geq 14$ d post 2nd Pfizer or  $\geq 28$ d post J&J; Partially vaccinated:  $< 14$  d post 2nd Pfizer or 0-27d post J&J

# Vaccination status of age 50y+ in the Western Cape

## Population



1,4 million people

**46%<sup>†</sup> unvaccinated**

**28% partially vaccinated**

**26% fully vaccinated**

## COVID-19 cases



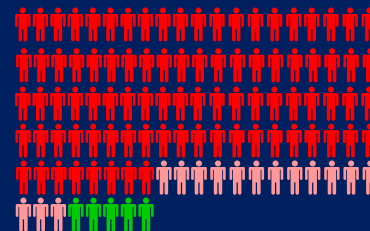
8575 COVID-19 cases

**71% unvaccinated**

**19% partially vaccinated**

**10% fully vaccinated**

## COVID-19 admissions



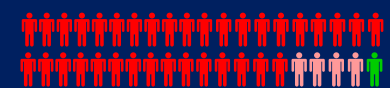
2169 COVID-19 admissions

**81% unvaccinated**

**14% partially vaccinated**

**5% fully vaccinated**

## COVID-19 deaths

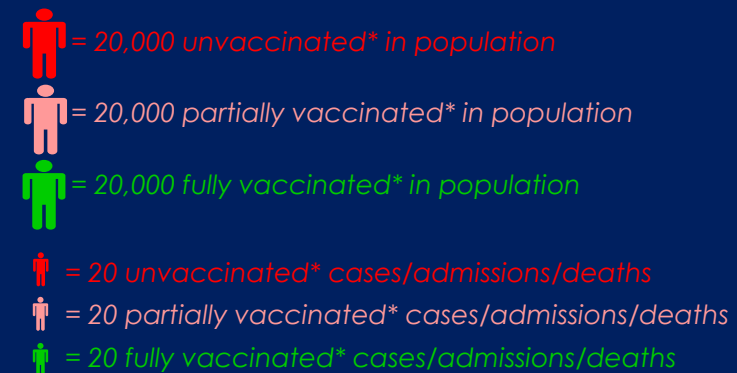


798 COVID-19 deaths

**86.3% unvaccinated**

**10.3% partially vaccinated**

**3.4% fully vaccinated**



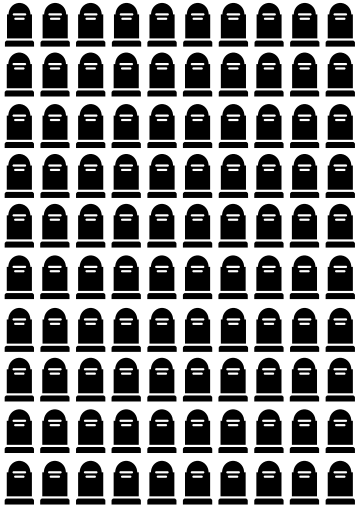
### Data for cases diagnosed in week of 14-20 August 2021

\*Fully vaccinated:  $\geq 14$  d post 2nd Pfizer or  $\geq 28$  d post J&J;  
Partially vaccinated:  $< 14$  d post 2nd Pfizer or 0-27 d post J&J.

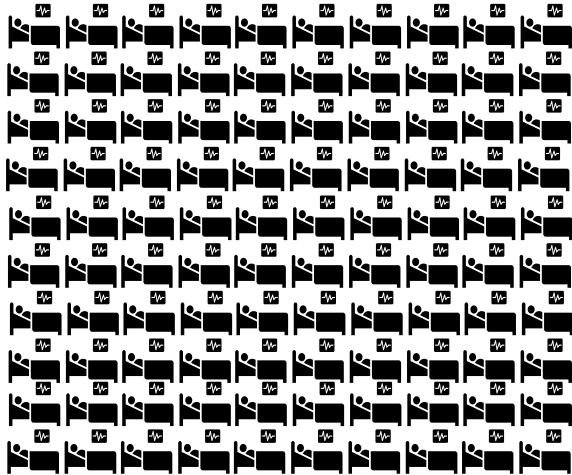
<sup>†</sup> Population vaccine coverage determined from demographic estimates & EVDS as at 14 Aug 2021 to compare with coverage in COVID-19 cases, admissions and deaths for 21 Aug-4 Sep 2021. Currently (6 Oct 2021), 52.8% of those 50y+ in the Western Cape are fully vaccinated. COVID-19 cases, admissions & deaths determined from integrated provincial health clinical information systems.

As vaccine coverage increases, absolute numbers of COVID-19 cases, admissions & deaths will drop, but we expect proportion vaccinated to increase due to higher vaccine coverage.

# Vaccines prevent deaths & admissions among COVID-19 cases

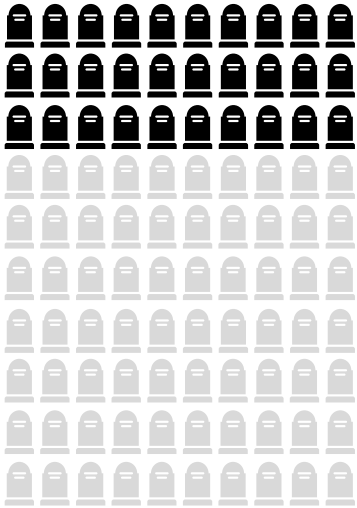


For every 100 deaths among COVID-19 cases,

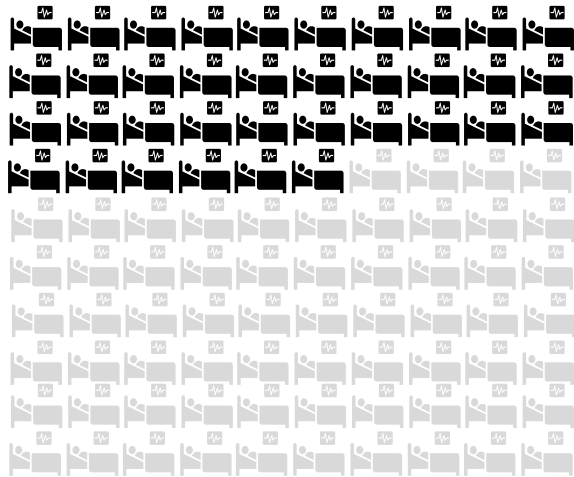


For every 100 admissions among COVID-19 cases,

# Vaccines prevent deaths & admissions among COVID-19 cases



For every 100 deaths among COVID-19 cases,  
**70 could have been prevented**  
by being fully vaccinated.



For every 100 admissions among COVID-19 cases,  
**64 could have been prevented**  
by being fully vaccinated.

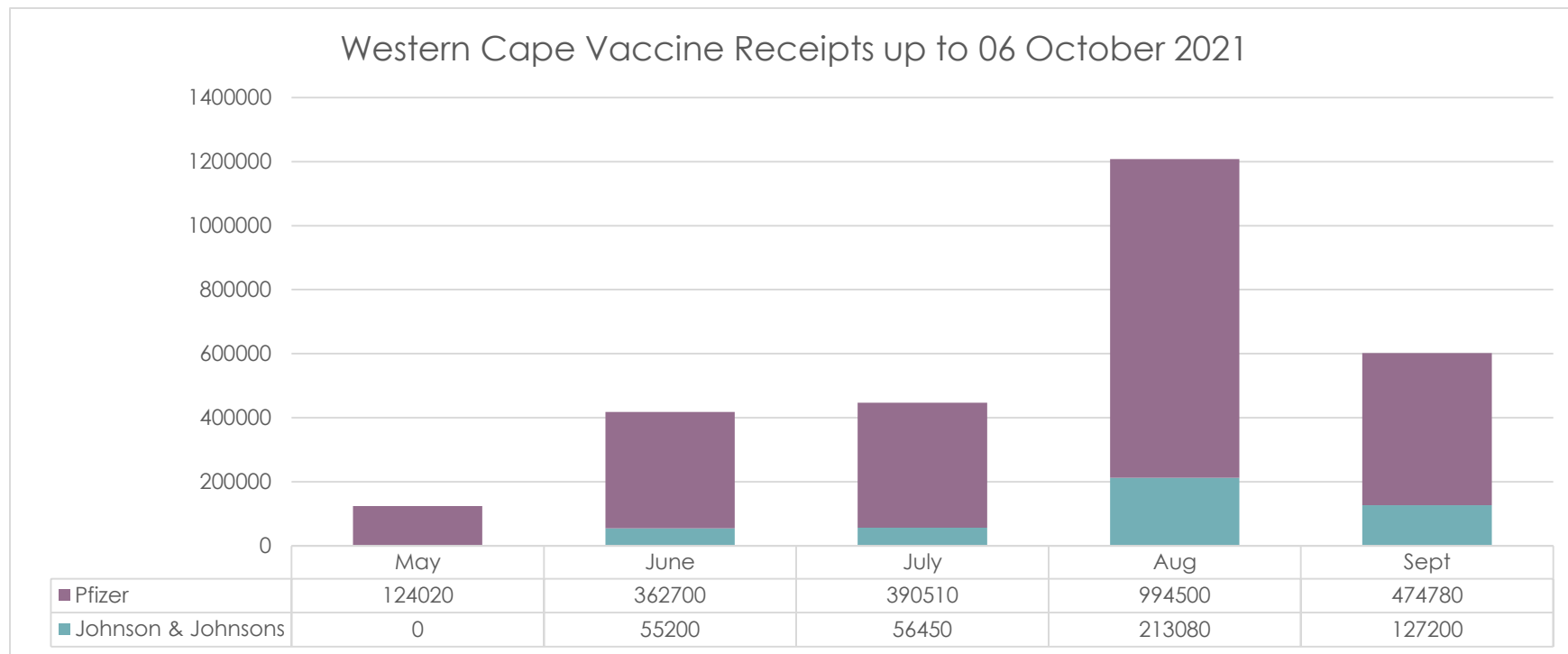
Note that these are numbers prevented among COVID-19 cases (i.e. breakthrough infections).  
Total admissions and deaths prevented in the population due to vaccination would be even greater.





# Vaccine Implementation update

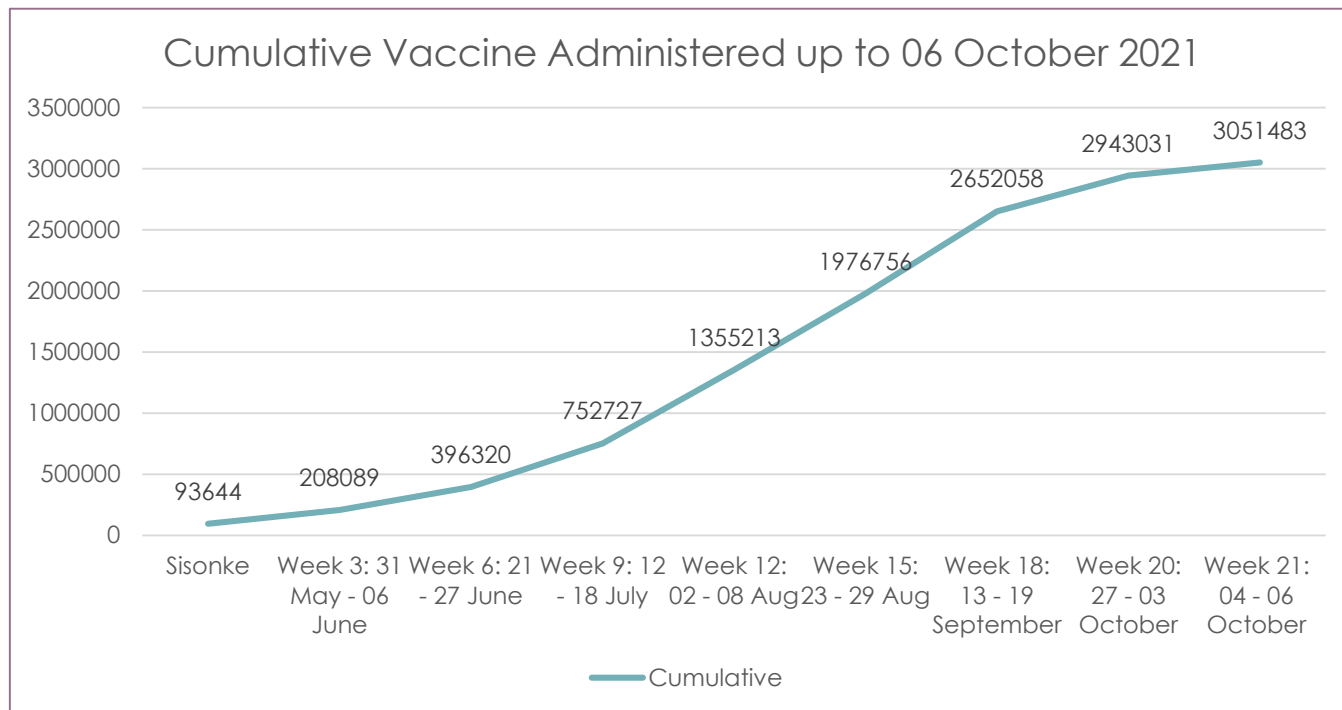
# Updated W Cape Public Sector Vaccine Supply Pipeline



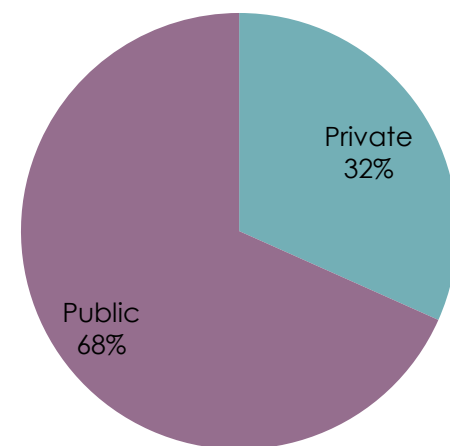
Up to 06 October 2021, the public sector has received **2 798 440** vaccine doses:

- 2 346 510 Pfizer doses
- 451 930 J&J doses

# Vaccines Administered



Proportion Vaccines Administered: Public and Private Sectors

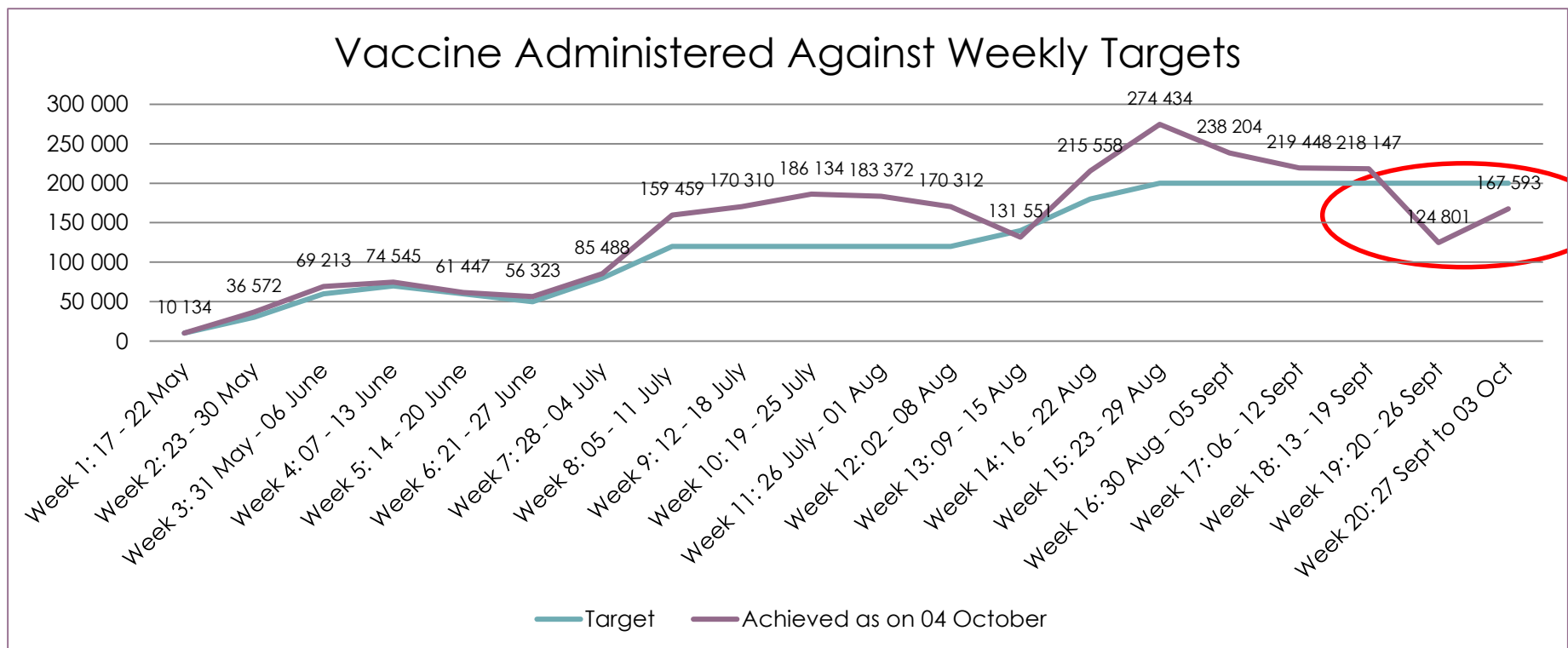


**Cumulative Vaccines Administered on EVDS on 06 October 2021 = 3 051 483**

Source: NDoH Dashboard ([Microsoft Power BI](#)) accessed on 06 October 2021 @ 19:40

**[Disclaimer:** Data displayed in these graphs and tables only contains records captured on EVDS. Totals will be adjusted as back-capturing and data validation is done.]

# Vaccines Administered per week vs Weekly Targets



***There has been a slight increase in uptake during the most recent week. Ongoing efforts must be made to ensure that the province is able to achieve its weekly target of 200 000.***

# Strategic Focus: Adjusting the vaccination model



## Achieving Equity

Increase access to registration and vaccination sites, especially for the **uninsured and hard-to-reach**

Targeted community-level interventions



## Demand Creation

Retain focus on **>50 years as the most vulnerable** population group

**Neutralise misinformation** & strengthen pro-vaccine trusted voices

Target **Business, Government & Communities** with specific daily targets



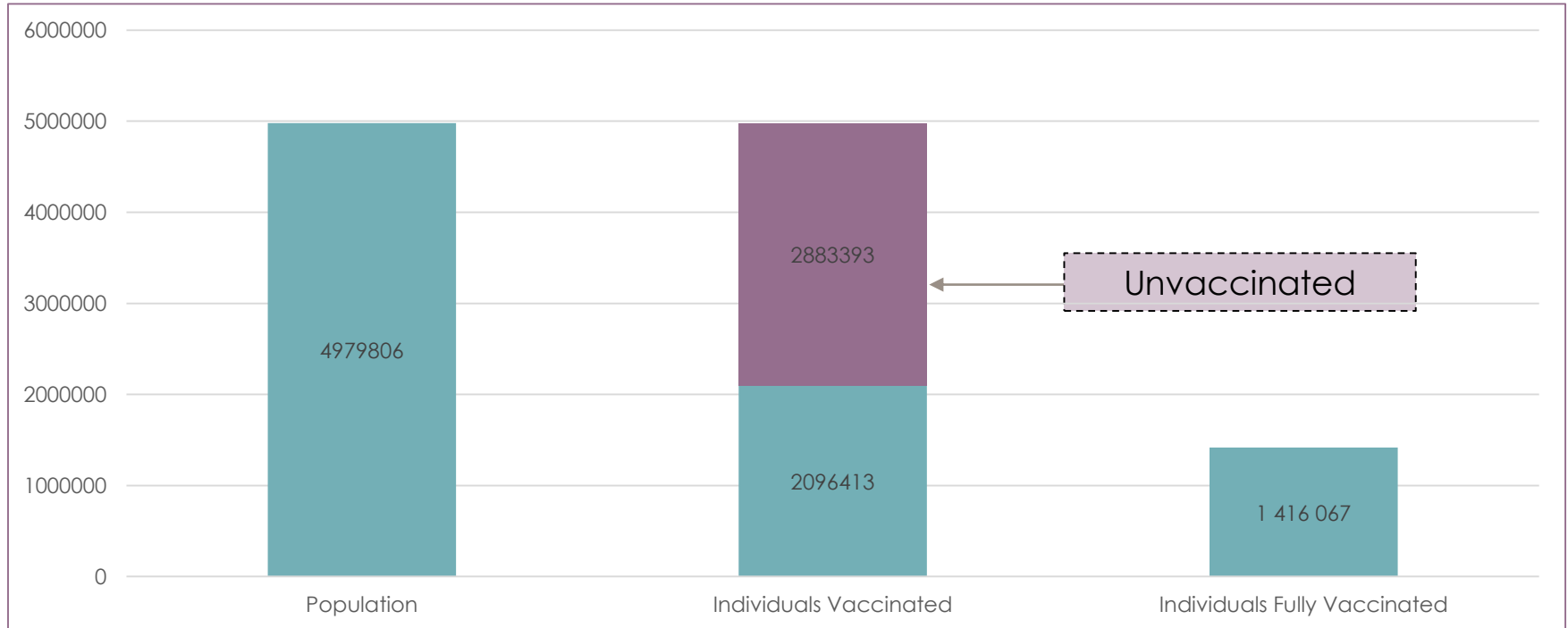
## Targeted and Nuanced Approach

Focus on **geographic areas** with low vaccine uptake

Maximise reach and efficiencies through **increased outreach** services and **pop-up** sites

**Rationalise and retain** fixed vaccination sites with high throughput and **where appropriately placed**

# Current status and the road ahead



**As on 06 October 2021:**

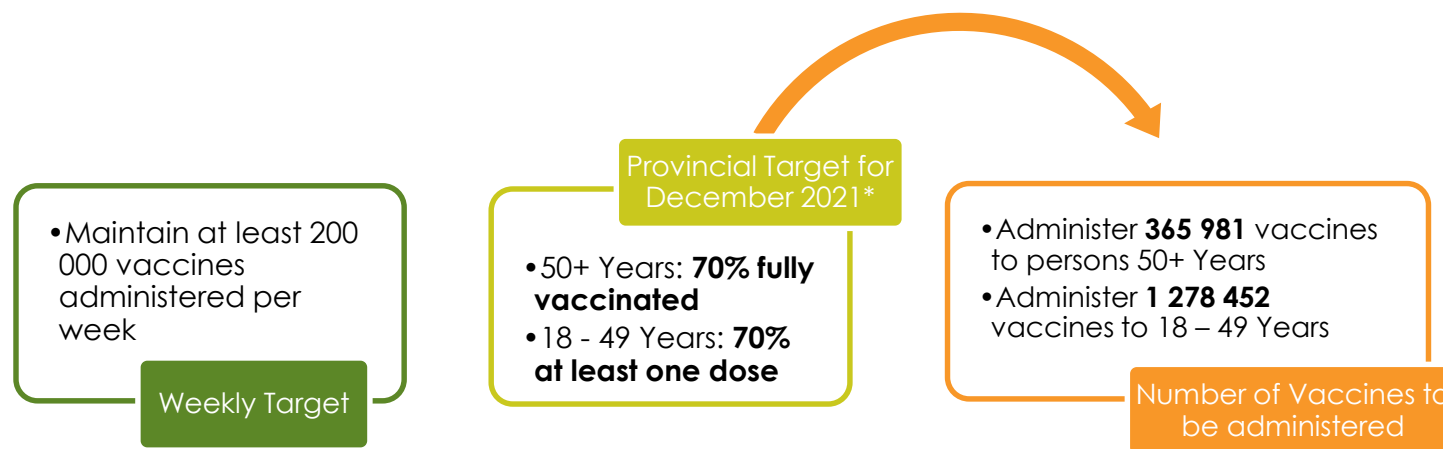
Total number of individuals vaccinated (at least one dose) = **2 096 413** = **42,12% of >18s** (EVDS National Dashboard on 06 October 2021)

Total number of individuals fully vaccinated = **1 416 067** = **28,45% of >18s** (EVDS National Dashboard on 06 October 2021)

Number of unvaccinated persons aged 18 years and older = **2 883 393**

# Provincial Targets up to December 2021

Age in years	Total Population	Proportion <u>Fully Vaccinated</u> (Received either 1 dose J&J or 2-dose Pfizer) as on 05 October 2021	Proportion <u>Partially Vaccinated</u> (One dose of two-dose regimen received) as on 05 October 2021	Proportion <u>Unvaccinated</u> as on 05 October 2021
60 Years +	719 702	60%	7%	33%
50 – 59 Years	682 550	45%	11%	44%
<b>50 Years +</b>	<b>1 402 252</b>	<b>52%</b>	<b>9%</b>	<b>39%</b>
30 – 49 Years	2 188 092	24%	16%	60%
18 – 29 Years	1 375 998	9%	17%	74%
<b>18 - 49</b>	<b>3 577 554</b>	<b>18%</b>	<b>16%</b>	<b>66%</b>



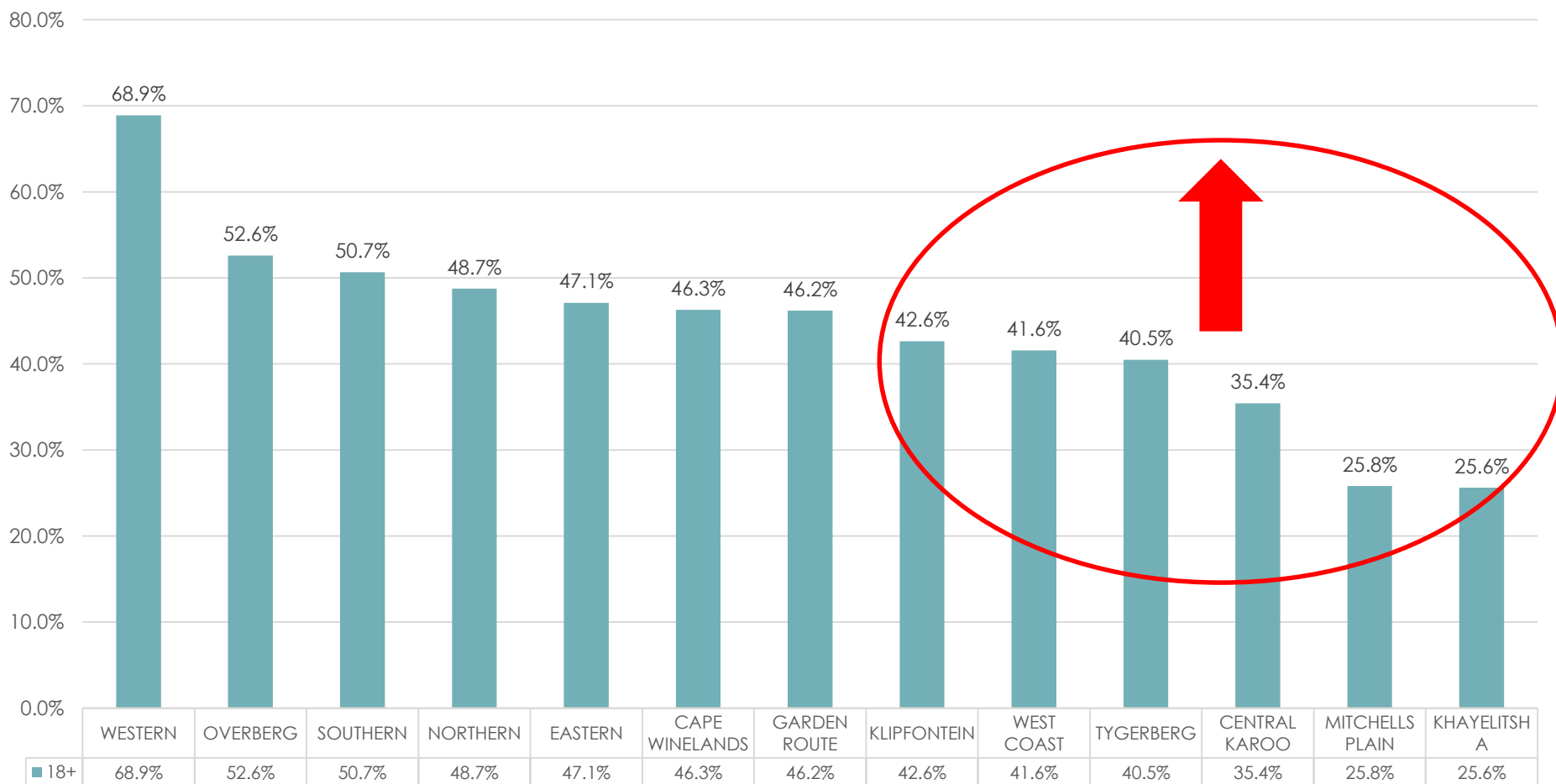
**If we increase target to 85% of 50+ Years: An Additional 210 338 individuals in this age category will have to be vaccinated by December 2021.**

- NDoH Targets for all Provinces
- Definition of Vaccinated Individual: One dose J&J (single-dose regimen) or Pfizer (two-dose regimen) 1<sup>st</sup> dose administered
- Definition of Fully Vaccinated Individual: One dose J&J (single-dose regimen) or Pfizer (two-dose regimen) 1<sup>st</sup> and 2<sup>nd</sup> dose administered

# EVDS Registrations: +18 years as at 6 October 2021

**Western Cape: 44.48% (2 209 058)**

**30.1%** (18yrs to 34yrs) **46.8%** (35yrs to 49yrs) **55.2%** (50yrs to 59yrs) and **70.5%** (60yrs+)





# Communications



# Quick and easy access to vaccination

## Mass sites

 **30 minutes** #forYOU

**to Vaccinate at Athlone Stadium**

Walk-ins welcome and assisted registration provided  
**Quick. Easy. Free.**

**POP  
UP**

**COVID-19  
VACCINATION SITE**

**Outreach and  
pop-up sites**

**ALL WALK-IN AND UNDOCUMENTED  
CLIENTS WELCOME**



  
**3 million**  
**vaccines administered**  
**in the Western Cape**



# Important message for summer (Safety)

## SAVE YOUR SUMMER

If you want to be fully vaccinated by the festive season, you have until **20 October** to get your first dose.



It's not too late to vaccinate.



## SAVE YOUR SUMMER

If you want to be fully vaccinated by the festive season, you have until **20 October** to get your first dose.



It takes approximately **two weeks** from full vaccination (after your 2nd jab) for you to develop maximum immune protection. If you get your first vaccination before **20 October** and your second by **1 December**, you'll have the best protection against COVID-19 during the festive season.



It's not too late to vaccinate.





# Demand : Vooma Weekend Provincial event

**Do you want to have a safe summer with your loved ones?**  
Act now! Make sure you are fully vaccinated against COVID-19



**Premier of Western Cape:**  
Mr Alan Winde

**MEC of Health Western Cape:**  
Dr Nomafrench Mbombo

**Executive Mayor of the City of Cape Town:**  
Mr Dan Plato

**Saturday**

**2 October 2021**

Time: 09h00-14h00



**Watergate Centre, Mitchells Plain**

The goal of this Vaccination Campaign is to achieve 70% coverage of adults by the end of December 2021.



**Provincial leadership: National, Provincial, Local Govt**

**Total vaccinations administered over the VOOMA Weekend**

**59429**



# Vooma Weekend 1 – 3 October (all districts)

**Nomzamo**



**Delft**



**De Doorns**



**Saldanha**



## Concluding remarks

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1. We have now **exited the 3<sup>rd</sup> wave** with **signs of continuous decline**, but urge everyone to **adhere strictly to protective behaviours, to contain** spread over **the coming weeks and months**, in expectation of a **4<sup>th</sup> wave**.
2. We have **tailored a triggered health** and **societal response** and will refine these tools to trigger appropriate responses **to detect** and **avert** an **early onset of a 4<sup>th</sup> wave**. Our biggest weapon **against a big 4<sup>th</sup> wave** is **vaccination (especially for >50yr olds)**.
3. We a **bespoke vaccination capacity** to **administer 40-50 000 vaccines/ day**, but now require a massive **whole of society effort** to **generate demand**.
4. We need to scale our **mobilisation and assist everyone >18 years** to be **registered on the EVDS**, and **to be vaccinated**, in a **targeted and intentional approach**, to **restore our economy**, and **normalise societal functioning**.

# Thank you