

Digital Press Conference

Update: COVID-19 and Vaccination Roll-out

Dr S Kariem

16 September 2021



Overview

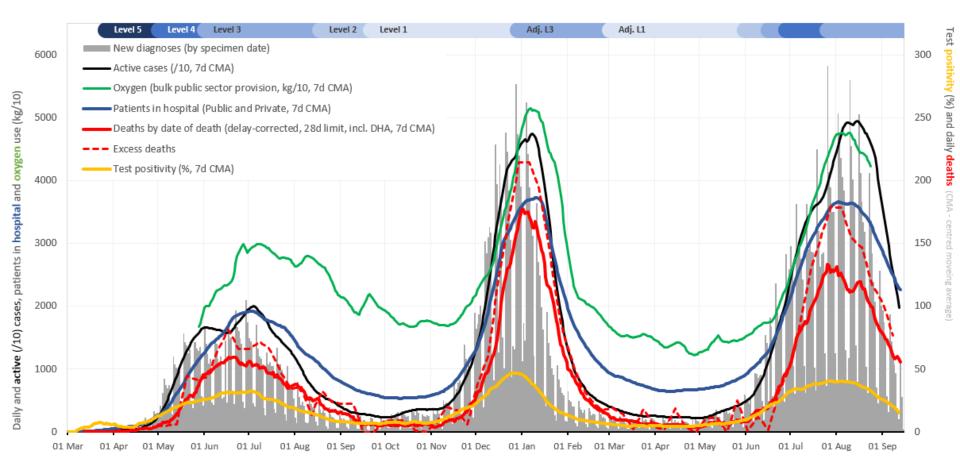
- 1. Surveillance & Response Update
- 2. Expectations for the 3rd wave
- 3. The triggered third wave response
- 4. Vaccine Implementation update & vaccine safety
- 5. Conclusions



Surveillance & Response Update



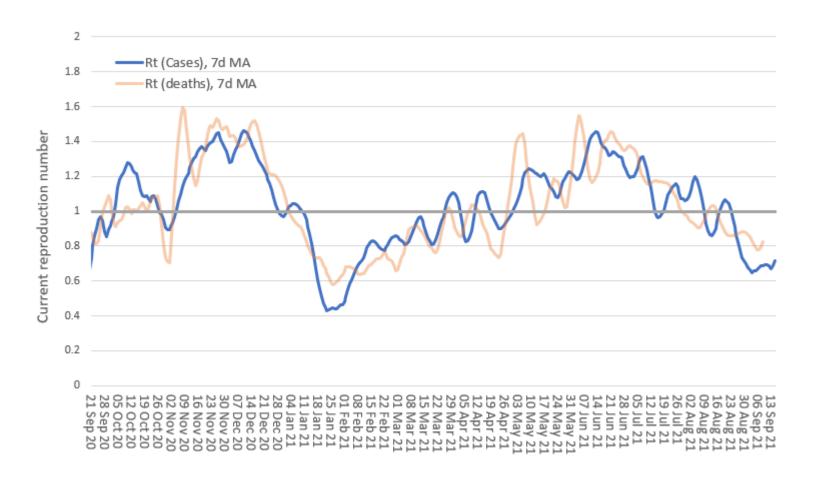
Integrated testing, case, hospitalisation and mortality trends





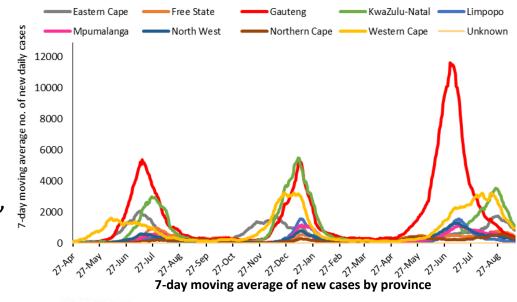
Current reproduction number (Western Cape)

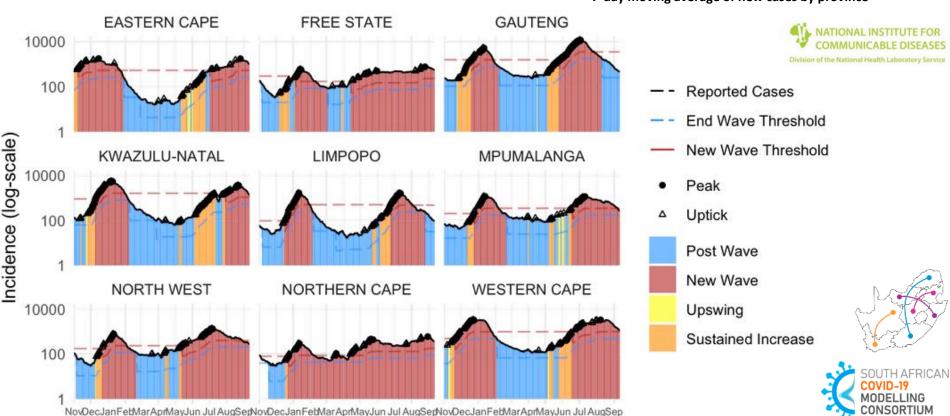
Reproduction number based on cases and deaths durably below 1.0

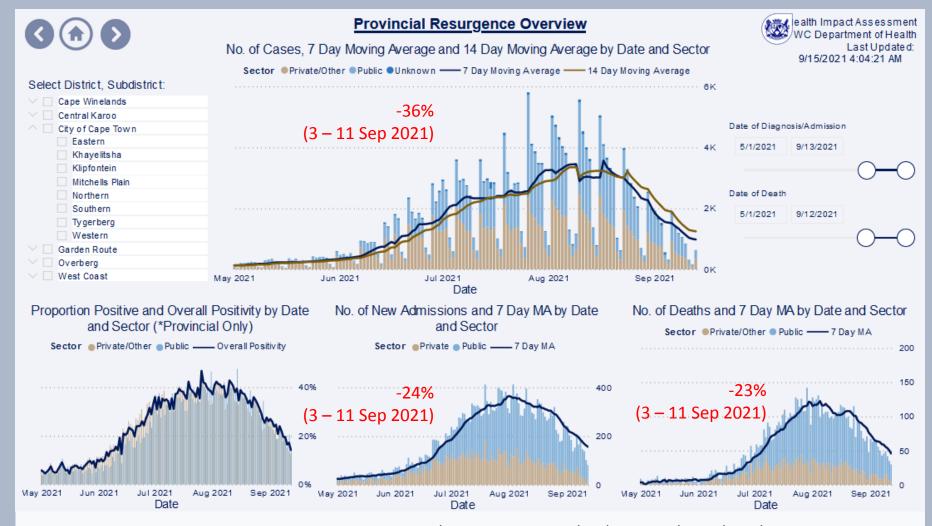


National trends

- Only Gauteng and Limpopo have exited their 3rd wave
- Other provinces remain in 3rd wave, with increases in EC, NC & FS.

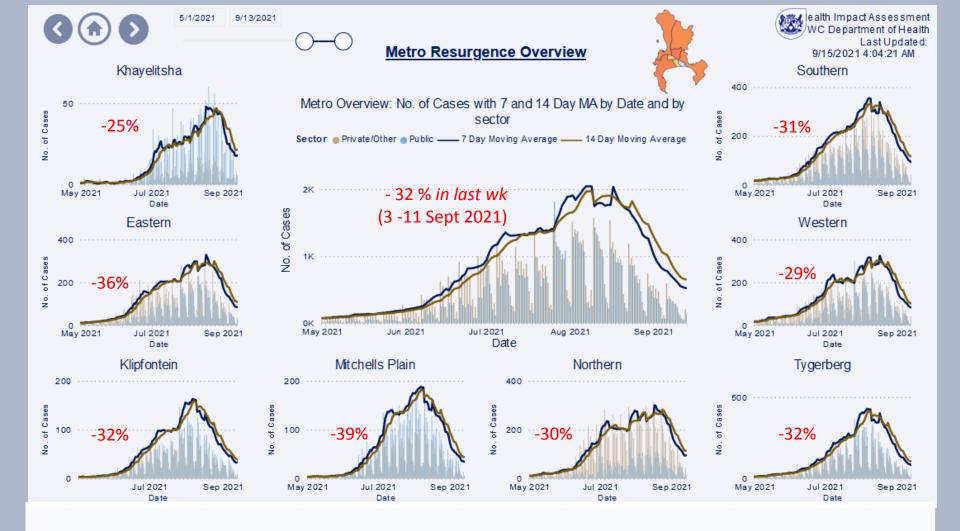






Provincial Overview

- Case numbers continue on the downward trend, with ~1000 new diagnoses daily. The proportion positive has also decreased to 16.3%.
- Admissions and deaths have started to decrease more steadily, with an average of **170 new admissions** and around **52 deaths each day.**
- The province will only have exited the third wave once we reach a daily case load of ~530 cases a day



Metro Overview

- Overall, there is a 32% week on week decrease in cases in the Metro.
- All subdistricts continue to see substantial decreases in weekly case numbers.



May 2021

May 2021

May 2021

Jul 2021

Overberg

-41%

Jul 2021 Date

Garden Route

Jul 2021

Date

of Cases

ě

No. of Cases 200

No. of Cases



Sep 2021

Sep 2021

Sep 2021



Rural Resurgence Overview



ealth Impact Assessment WC Department of Health Last Updated: 9/15/2021 4:04:21 AM









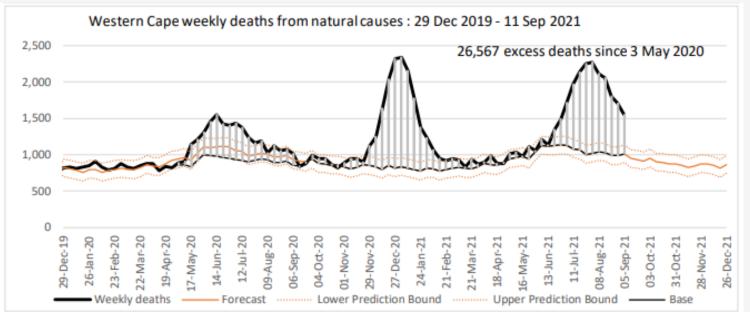
No. of Cases by Rural Subdistrict

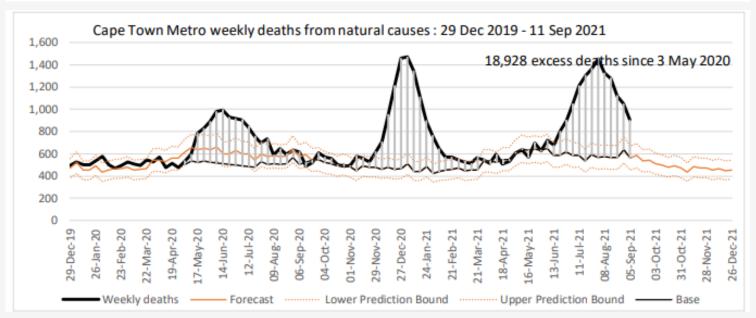
District	Subdistrict	No. of Cases
Garden Route	George	11,750
Cape Winelands	Drakenstein	11,300
Garden Route	Mossel Bay	7,828
West Coast	Swartland	5,456
Cape Winelands	Stellenbosch	5,196
West Coast	Saldanha Bay	4,295
Overberg	Overstrand	4,227
Cape Winelands	Breede Valley	3,885
Overberg	Theewaterskloof	3,842
Garden Route	Oudtshoorn	3,817
Cape Winelands	Langeberg	3,39€
Garden Route	Knysna	3,095
West Coast	Matzikama	3,032
West Coast	Bergrivier	2,851
Garden Route	Hessequa	2,842
Cape Winelands	Witzenberg	2,573
West Coast	Cederberg	2,110
Central Karoo	Beaufort West	1,980
Overberg	Swellendam	1,746
Overberg	Cape Agulhas	1,528
Garden Route	Bitou	1,391
Garden Route	Kannaland	835
Central Karoo	Prince Albert	459
Total	Lainachura	89,735

Rural Overview

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

Sep 2021





There has been a steady decline in excess deaths both in the Cape Metro and across the province.

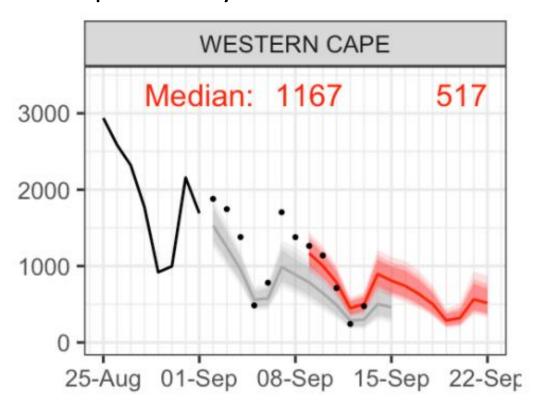


Expectations for the Third Wave & our triggered response



Short term predictions from SACMC – new cases

- Actual cases were slightly higher than predicted for the past week but overall continue to expect declining case numbers.
- 94% probability that 3rd wave will be over by 27 September 2021



Black line: previous cases

Grey line:
forecast for this week
Dots:
actual cases

Red line: Prediction for next week





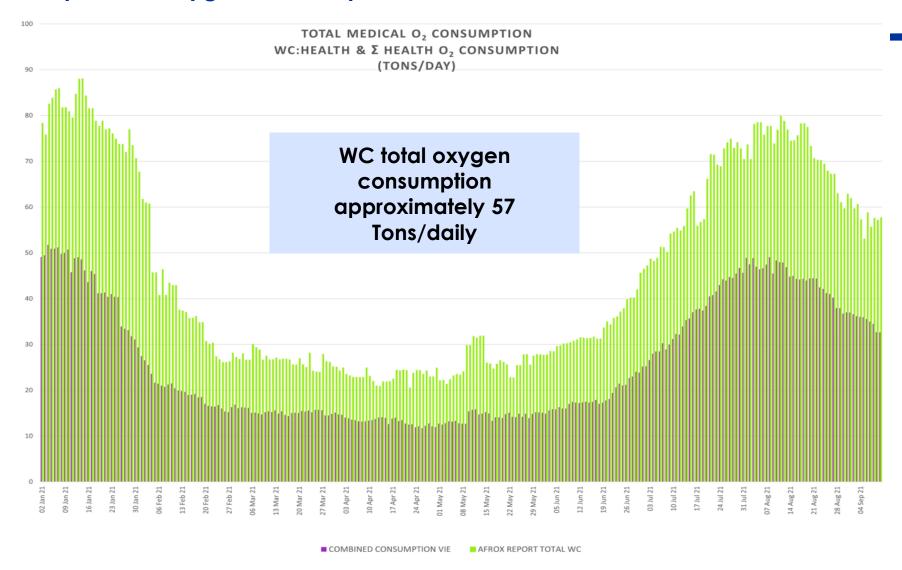
Western Cape 3rd wave – triggered response

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

Indicator	Exam	ple of Resurgence Metric
First warning:	•	Large ↑ daily cases (increase for ≥ 1 week of ≥ 20%)
↑ health service	- -	Overall test positivity >7% for ≥1 week
demand in 14-21d	8	>15% of hospitals have >10% of beds occupied by COVID-19 patients
	O ₂	>50% ↑ in pre-COVID-19 hospital O ₂ use
Second warning:		Overall test positivity 10-15% for ≥1 week
↑ health service		>15% week-on-week increase in 7dma of current admissions
demand in 7-14d		>40% of hospitals have >10% of beds occupied by COVID-19 patients
	O ₂	>75% ↑ in pre-COVID-19 hospital O₂ use
Third warning:		>20% week-on-week increase in 7dma of current admissions (to-13.2%)
↑ health service		>50% of hospitals have >20% of beds occupied by COVID-19 patients (38%)
demand in 2-7d		>50% of high care, intensive care & HFNO ₂ COVID-19 beds occupied (78%)
	(O ₂)	>100% ↑ in pre-COVID-19 hospital O ₂ use (currently at 33T/day or >100%)
Health service	₩	>2800 current COVID-19 inpatients (currently at 2466 admissions)
capacity		Note: This is across both public and private sector.
threatened	02	>80% of high care, intensive care & HFNO ₂ COVID-19 beds occupied (78%)
		>200% 个 in pre-COVID-19 hospital O ₂ use (currently at 33T/day or ~ 195%)

- 1. Currently 2 466 COVID patients in our acute hospitals (1 399 in public hospitals & 1 067 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 64%; Paarl drainage area hospitals at 77% & Worcester drainage area hospitals at 69%. Critical care BOR for the province at 78 %.
- 3. COVID & PUI cases currently make up 19% (22% last week) 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 151 patients (44.9 % BOR), Mitchell Plain Hospital of Hope has 46 clients (29.8 % BOR)) and Sonstraal currently has 42 clients (70%); Freesia & Ward 99 have 0 patients
- 5. The Metro mass fatality centre has capacity for 240 bodies; currently 8 decedents (cumulative total of 2 097 bodies) admitted. The overall capacity has been successfully managed across the ce and the TMFC will close on the 30th September.

W Cape total oxygen consumption





© Western Cape Government 2012 |

Preparing and Caring for our People – 3rd Wave

Workforce Planning:

- Currently, appointed 837 staff additional for COVID
- Appointed 1440 HCW and support staff which includes 587 interns for the Vaccination Drive
- Contract extensions until end of Sept and Dec to ensure continued staff capacity on the health platform (in anticipation of the 4th wave).
- A total of **775 applicants** can still be appointed, if needed

COVID: 2 new appointees

Vaccination Drive: 14 new appointees

Safeguard & protect the well-being of health care workers

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:

- Proactive Engagements with staff to increase Vaccination Coverage amongst HCW.
- Increased advocacy and activation of Onsite Counselling Clinics (Employee Wellbeing Programme)
- PPE provision and improving OHS Practices
- Staff Fatigue encouraging rest & reset (leave provisions)
- HEALING JOURNEY will be communicated and implemented in due course
- Internal Health Comms Series and Staff Wellbeing to build up resilience and hope (Financial Wellbeing and Mental Wellbeing as key focus areas)







Cumulative Infections 13,078

DEPARTMENTAL OVERVIEW COVID-19 INFECTIONS AND DEATHS IN HEALTHCARE WORKERS (HCWs)



12,660

% Recovered **- 96.80%**



197

% Died 1.51%

Totals as at 15 Sep 2021

Active Cases

221

% Active

1.69%

Doctors

1285

Nurse

5,547



152

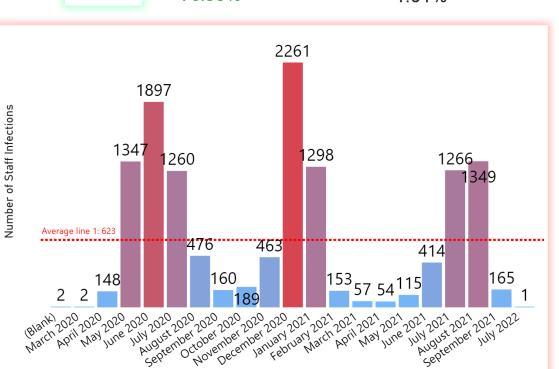
Pharmacists



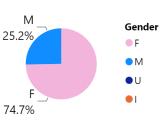
Other categories

000

5,953



Gender Distribution

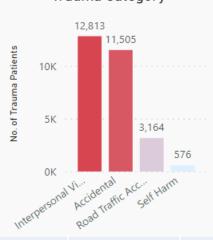


WC Sentinel Trauma Report

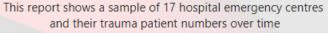
Source: HECIS

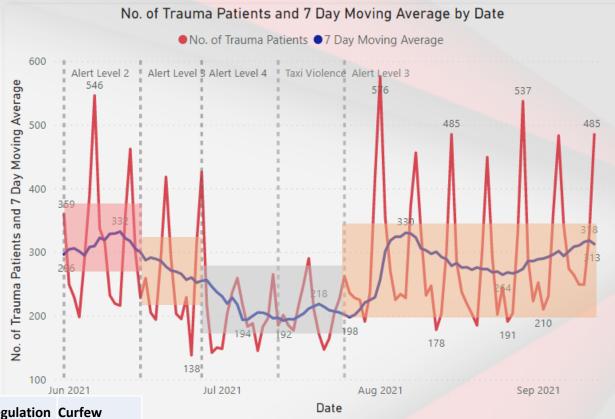
Overview of changes in recent trauma presentations (31 May 2021-12 Sept 2021)

No. of Trauma Patients by Trauma Category



2021





Date Period	Lockdown Level	Alconol Regulation	Curtew
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
	Adjusted Level 4	Complete prohibition of sale	21:00-04:00
26 July - 12		Offsite sale	
September		restriction Mon-	

Adjusted Level 3 Thurs 10-00-18:00

22:00-04:00

Date Period	Lockdown Level	Alcohol Regulation	Curfew
>13		Offsite sale	
September		restriction Mon-	
2021	Adjusted Level 2	Friday 10-00-18:00	23:00-04:00

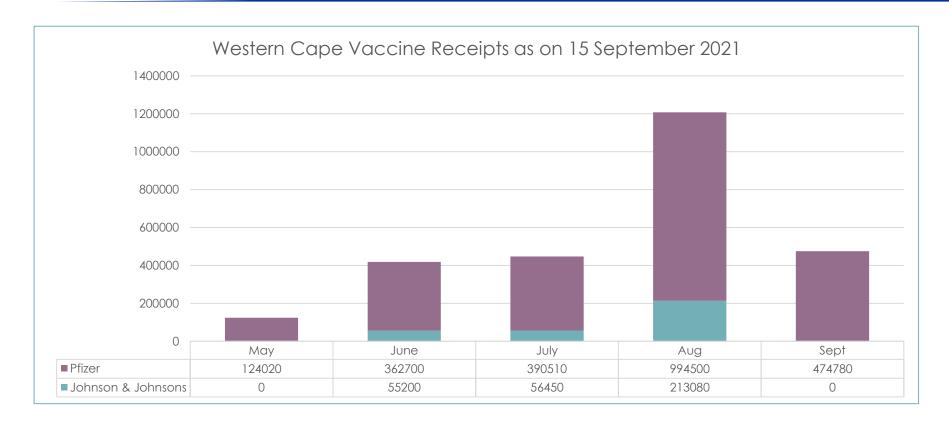
Alert Level 3 with a lift on the complete alcohol ban at the end of a month resulted in significant trauma to hospitals, which continued to sustain, particularly over weekends.

The impact of the recent announcement of Adjusted Level 2 with restrictions on retail sale Mon-Friday and its effect on trauma presentations will likely only be seen over the coming weeks.

Vaccine Implementation update



Updated W Cape Public Sector Vaccine Supply Pipeline

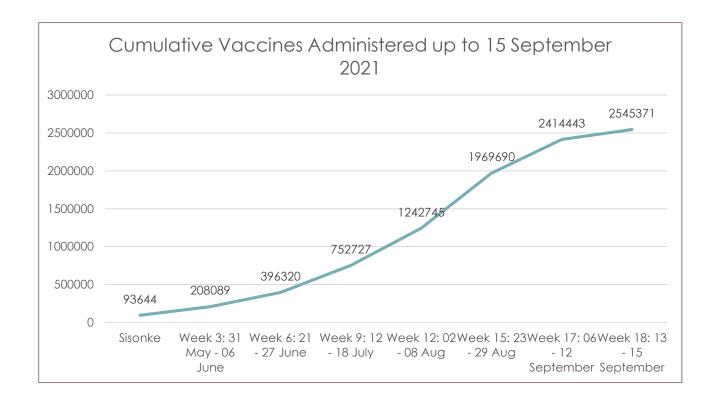


Up to 15 September 2021, the public sector has received 2 671 240 vaccine doses:

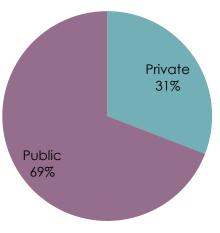
- 2 346 510 Pfizer doses
- > 324 730 J&J doses



Vaccines Administered







Cumulative Vaccines Administered on EVDS on 15 September 2021 = 2 545 371

Source: NDoH Dashboard (<u>Microsoft Power BI</u>) accessed on 15 September 2021 @ 19:50



[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.]

Current Strategic Focus



SCALING UP

Promoting Equity

Increase access to registration and vaccination sites

Community-level interventions

Focus on identified geographic areas

Risk mitigation

Safety and Security of health care workers

Crowd control and IPC at vaccination sites

Demand vs Supply Considerations



Demand Creation

Retain focus on >60 years as the most vulnerable population group

Neutralise Misinformation

Strengthen pro-vaccine trusted voices

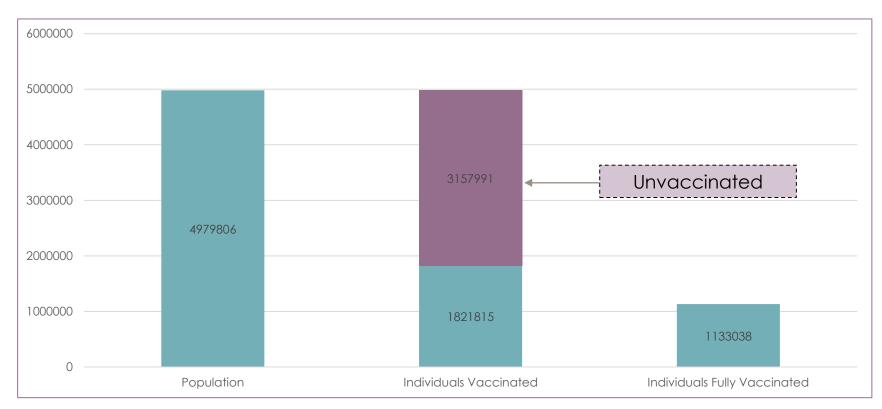


Pop-up Sites

Weekend Operations



Going Forward



As on 15 September 2021:

Total number of individuals vaccinated (at least one dose) = 1 821 815 = 36.58% of > 18s (EVDS)

Total number of individual fully vaccinated = 1 133 038 = 22.75 % of of > 18s (EVDS) Number of unvaccinated persons aged 18 years and older = 3 157 991



Provincial Targets up to December 2021

Age in years	Total Population	Proportion Vaccinated (At least one dose of two- dose regimen received) as on 14 September 2021	Proportion Fully Vaccinated (Received either 1 dose J&J or 2- dose Pfizer) as on 14 September 2021
60+	719 702	65%	57%
50 – 59	682 550	51%	39%
18 - 49	3 577 554	27%	12%



Weekly Target

Provincial Target for December 2021*

- 50+ Years: 70% fully vaccinated
- 18 49 Years: 70% at least one dose

- Administer 671 981
 vaccines to persons 50+
 Years
- Administer **1 528 556** vaccines to 18 49 Years

Number of Vaccines to be administered

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



Vooma Weekend: 1 – 3 October 2021

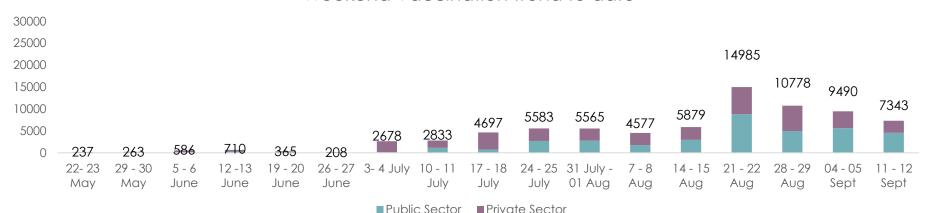


Demonstrate clear and unequivocal commitment to vaccination by leadership.

Use the events to celebrate progress to date and recognise the efforts of health workers.

Vooma Weekend 1 to 3 October Increase the number of vaccinations over the Friday and Saturday by opening as many vaccination sites as possible to reach as many people in WC over the weekend of 1 - 3 October 2021

Western Cape
Weekend Vaccination Trend to date





WC Provincial COVID-19

Vaccine Cascade

Key Indicators

Vaccinations

Registrations



No. of People Registered:

Total: 2,003,565

>6o: **498,189**

50-59: 358,574

35-49: 648,483

18-34: 498,319

% of Population Registered

>60: 69.2%

50-59: 52.5 %

35-49: 42.9%

18-34: 24.3 %



National: 2,387,472

35-49: 691,495

18-34: 393,809



No. of Vaccines

Administered: Total *: 2,475,569

Sisonke **: 88,097

>6o: **850,329**

50-59: 539,680

Coverage



Provincial Vaccine Coverage***:

% of Population who have received at least 1 dose:

Total Adult Pop >18: 35.6%

>60: 66.5%

50-59: 51.7 %

35-49: 37.9 %

18-34: 18.8 %

% of those Registered who have received at least 1 dose:

>60: 93.4%

50-59: 97.3 %

35-49: 88.0 %

18-34: 77.6 %

incorporation of new vaccination data **Note 2: There is a shortfall of +/-4,000 Sisonke vaccines that is still to be incorporated

*Note: 1 There is a one day lag in the

***Note 3: % coverage considers at least 1 dose given

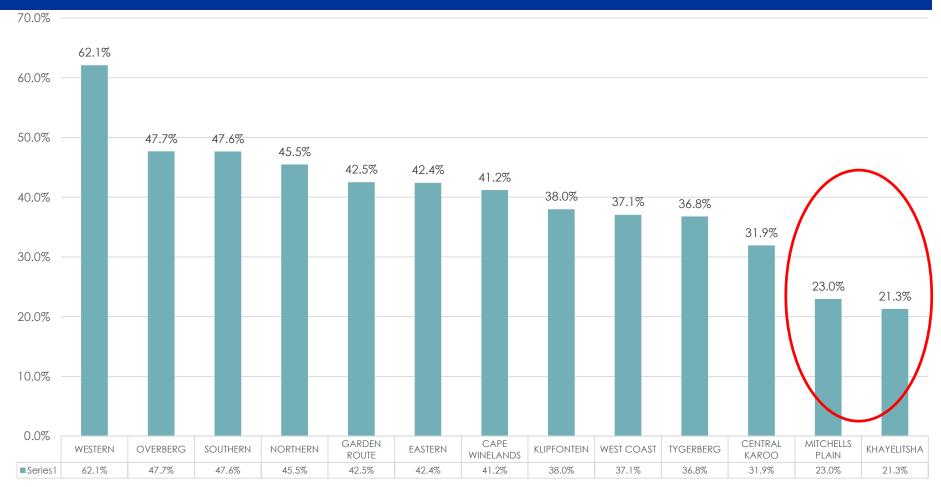
Last Updated: 16/09/2021



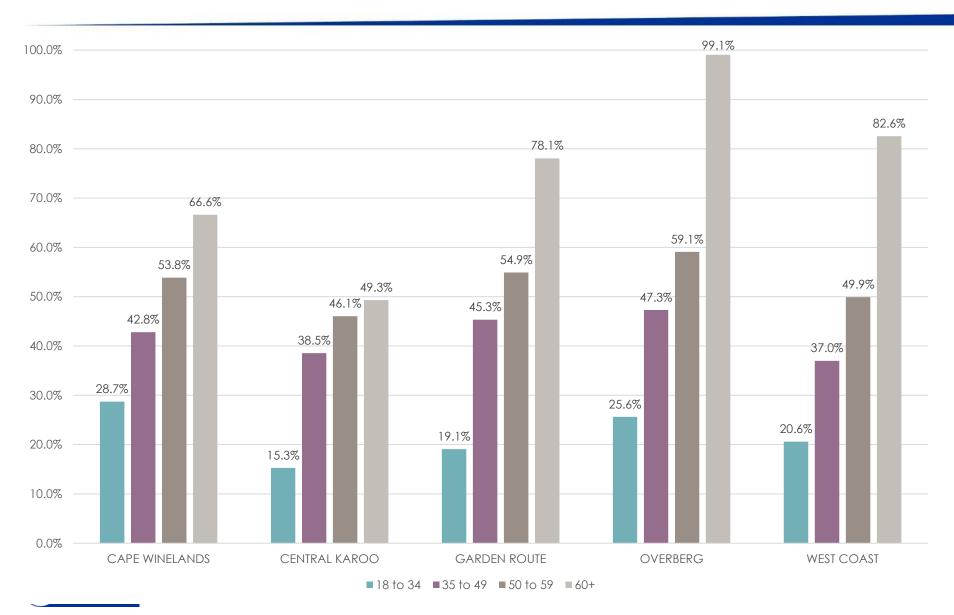
EVDS Registrations: +18 years as at 15 September 2021

Western Cape: 40.22% (1 997 565)

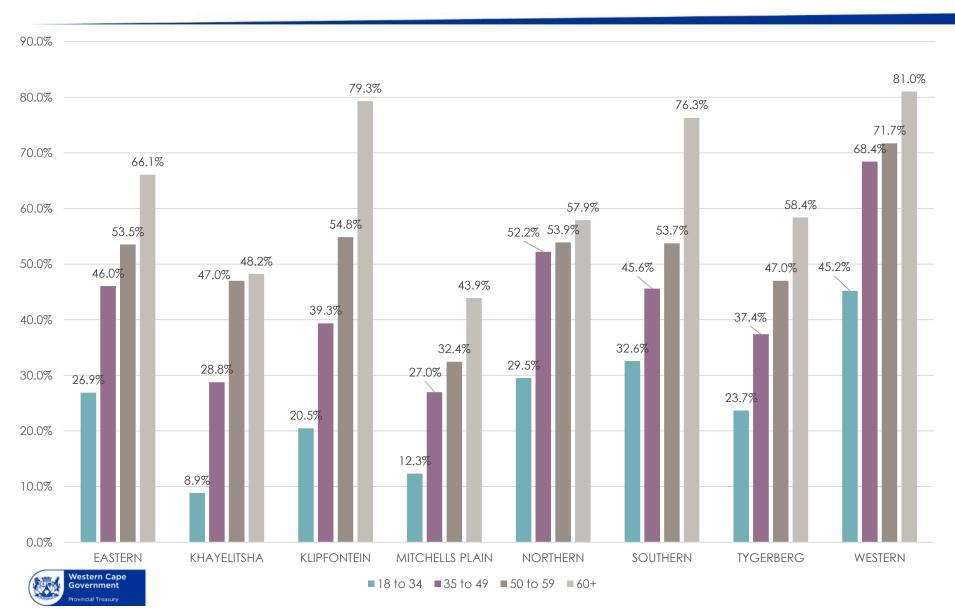
24.1% (18yrs to 34yrs) **42.8%** (35yrs to 49yrs) **52.5%** (50yrs to 59yrs) and **69.2%** (60yrs+)



Rural Districts: Registrations by age cohorts



Metro sub-districts: Registrations by age cohorts



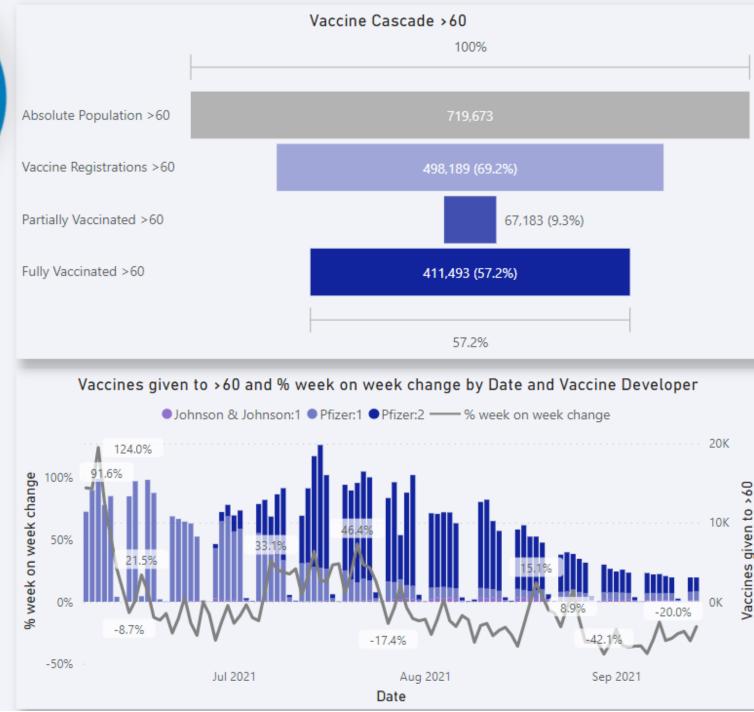


Vaccine Cascade >60

Note: Fully vaccinated include all those that have received 2 doses of Pfizer or 1 dose of JnJ. Note 2: % week on week change excludes the previous 2 days to allow for data delays and compares the previous 7 days with 7-14 days ago.

> Data Sources: EVDS via DoTP and PHDC Last Updated: 16/09/2021







WC Provincial COVID-19 Vaccine Cascade

50-59

Note: Fully vaccinated include all those that have received 2 doses of Pfizer or 1 dose of JnJ. Note 2: % week on week change excludes the previous 2 days to allow for data delays and compares the previous 7 days with 7-14 days ago.

> Data Sources: EVDS via DoTP and PHDC Last Updated: 16/09/2021

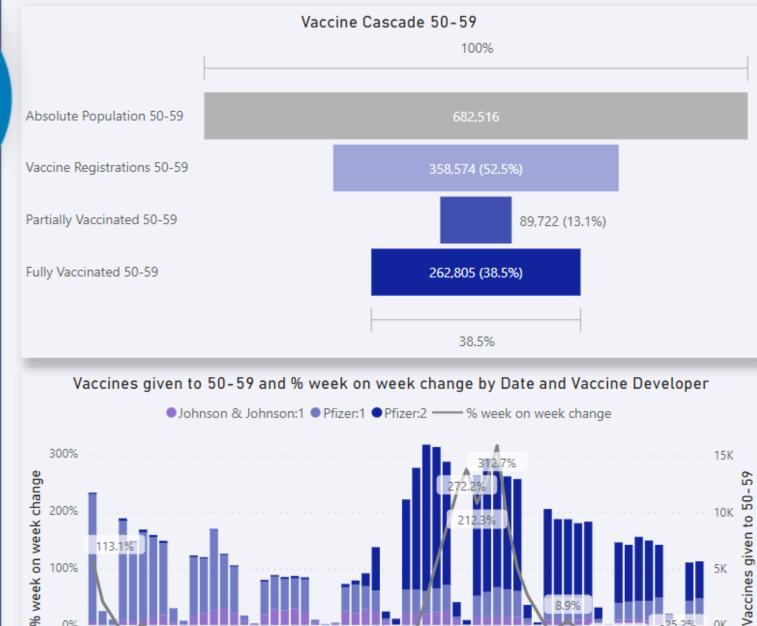
100%

0%

-15.6%

Jul 25





-23.6%

Date

Aug 22

Aug 08

-8.9%

Sep 05



Vaccine Cascade

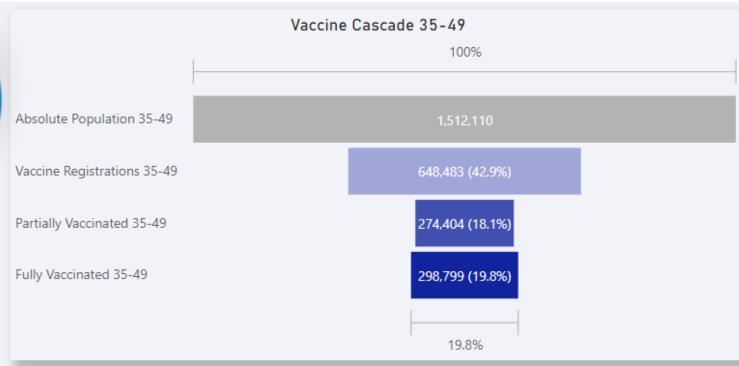
WC Provincial

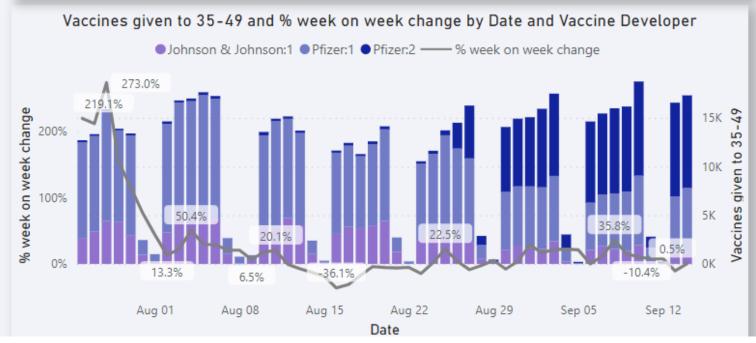
35-49

Note: Fully vaccinated include all
those that have received 2 doses of
Pfizer or 1 dose of JnJ.
Note 2: % week on week change
excludes the previous 2 days to allow
for data delays and compares the
previous 7 days with 7-14 days ago.

Data Sources: EVDS via DoTP and PHDC Last Updated: 16/09/2021









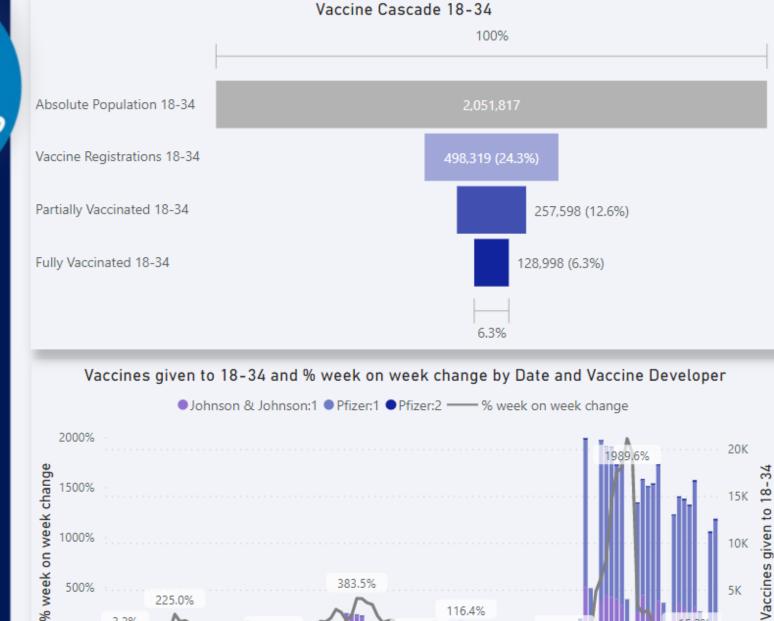
Vaccine Cascade 18-34

Note: Fully vaccinated include all those that have received 2 doses of Pfizer or 1 dose of JnJ. Note 2: % week on week change excludes the previous 2 days to allow for data delays and compares the previous 7 days with 7-14 days ago.

> Data Sources: EVDS via DoTP and PHDC

> > Jun 2021





Jul 2021

Aug 2021

Date

Sep 2021

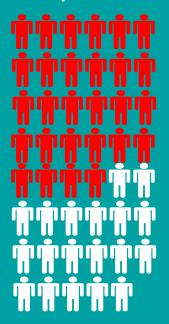
Vaccine effectiveness





Vaccination status of age 60y+ in the Cape Metro

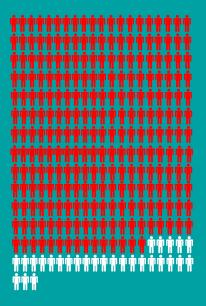
Population



473 587 people

189 435 vaccinated **40%**[‡]

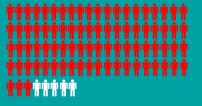
COVID-19 cases



1 413 COVID-19 cases

139 vaccinated 10%

COVID-19 admissions



433 COVID-19 admissions

23 vaccinated

5%

COVID-19 deaths



177 COVID-19 deaths

5 vaccinated 3%

٠

= 10,000 unvaccinated* in populatior



= 10,000 fully vaccinated* in population



5 unvaccinated* cases/admissions/deaths



= 5 fully vaccinated* cases/admissions/deaths

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

*Fully vaccinated = ≥14 days post 2nd Pfizer OR ≥28 days post J&J

*Unvaccinated includes partially vaccinated

Limited to population age 60 years+ with highest vaccine coverage

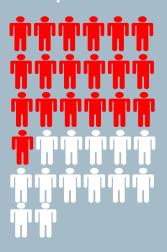
¹Population vaccine coverage determined from demographic estimates & EVDS data for 1st week of August to compare with coverage in COVID-19 cases, admissions and deaths for 14-20 August. Currently (15 September 2021), 57% of those 60y+ in the WC are fully vaccinated. COVID-19 cases, admissions & deaths determined from integrated provincial health clinical information systems.

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



Vaccination status of age 60y+ in the Overberg

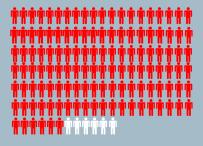
Population



32 149 people

13 045 vaccinated **41%**[‡]

COVID-19 cases



132 COVID-19 cases

6 vaccinated

5%

COVID-19 admissions



36 COVID-19 admissions

0 vaccinated

0%

COVID-19 deaths



11 COVID-19 deaths

0 vaccinated

0%

= 1,000 unvaccinated* in population

= 1,000 fully vaccinated* in population

= 1 unvaccinated* cases/admissions/deaths

= 1 fully vaccinated* cases/admissions/deaths

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

*Fully vaccinated = ≥14 days post 2nd Pfizer OR ≥28 days post J&J

*Unvaccinated includes partially vaccinated

Limited to population age 60 years+ with highest vaccine coverage

[‡]Population vaccine coverage determined from demographic estimates & EVDS data for 1st week of August to compare with coverage in COVID-19 cases, admissions and deaths for 14-20 August. Currently (15 September 2021), 57% of those 60y+ in the WC 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 except proportion vaccinated to increase due to higher vaccine coverage.

The safety of vaccines



Reported adverse events following immunisation (AEFI) 17 Feb- 10 Sept

Table 1. Number of AEFI cases for COVID-19 Vaccinations reported in the Western Cape Province 17 February to 10 September 2021

Districts	Cumulative cases (27 Aug 2021)	New cases (28 Aug 2021 – 10 Sept 2021)	Total cases (%)
Cape Town Metro	547	29	576 (89.3)
Cape Winelands	9	2	11 (1.7)
Central Karoo	10	0	10 (1.5)
Garden Route	20	9	29 (4.5)
Overberg	8	3	11 (1.7)
West Coast	8	0	8 (1.2)
Western Cape	602	43	645

The majority of reported AEFI's are in the CT Metro area as a greater proportion of people live in the Metro

- 1. SAHPRA AEFI Reporting Microsite was launched on 20 August 202
- 2. Reporting of Adverse Events can be done via:
 - i. The MedSafety App,
 - ii. Reporting to your nearest health facility or
 - iii. Contacting the Covid-19 Hotline on 0800 029 999



Reported to CDC: Characteristics of reported AEFI cases 17 Feb – 10 Sept

Characteristics of reported AEFI cases related to COVID-19 Vaccinations in the Western Cape Province, 17 February 2021 to 10 September 2021

<u> </u>	Cape Hevilles, 17 repleaty 2021 to 10 depletings 2021			
	n (%)			
Sex				
Female	466 (72.25)			
Male	176 (27.29)			
Unknown	3 (0.47)			
Age-group				
0-9	0 (0.00)			
10-19	4 (0.62)			
20-29	76 (11.78)			
30-39	136 (21.09)			
40-49	133 (20.62)			
50-59	129 (20.00)			
60-69	70 (10.85)			
	44 (6.82)			
80+	12 (1.86)			
Unknown	,			
Ulikilowii	41 (0.00)			



Of those vaccinated 55.05 % were in women and 44.95 % in men; women also access our health services more - hence we see a higher proportion of women who reported adverse events

Reported to CDC: Characteristics of reported AEFI cases

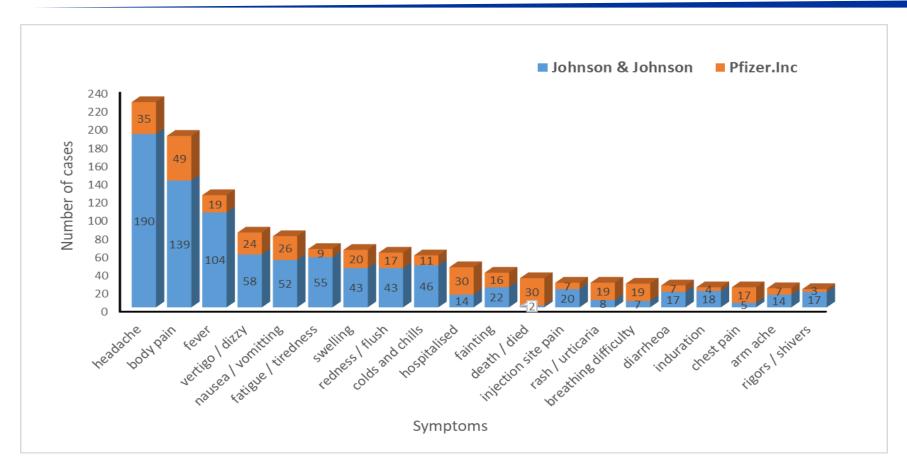
Characteristics of reported AEFI cases related to COVID-19 Vaccinations in the Western Cape Province, 17 February 2021 to 10 September 2021

	n (%)
Type of Reporting Facility Public health facility Private health facility Unknown	54 (8.37)
Severe	525 (81.40) 106 (16.43) 14 (2.17)
Recovered Died	144 (22.33) 409 (63.41) 32 (4.96) 60 (9.30)



The 32 reported deaths are being investigated by SAHPRA as part of their causality assessment

Most Common adverse events related to Covid-19 Vaccinations, as at 10 September 2021



Most common adverse events are listed as those occurring in more than 20 cases. The most common triggers reported were **headache** (18.1%), **general body pain** (15.1%), and a **fever** >38 degrees Celsius (9.9%) amongst others



Vaccine safety take-homes

- ✓ Minor side-effects common and transient
- ✓ Serious side-effects extremely rare
- √ No concerns regarding long-term side-effects
- ✓ Safe in pregnancy and breastfeeding
- ✓ Intensive safety monitoring continues

Serious side effects are rare and the known and potential benefits of COVID-19 vaccination far outweigh all known and potential risks.

Communications



Addressing misinformation





Quick access to vaccination



to Vaccinate at Athlone Stadium

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



to Vaccinate at CTICC

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



Miles Julie (19) and Sive Gantsho (25) made use of the drive-through service at Athlone Stadium on their horse cart to get vaccinated.







Partnering with Union leaders as vaccine ambassadors

put you off: make the choice to protect yourself and vaccinate.

Malvern De Bruyn
COSATU Western Cape Provincial Secretary



Together, let's fight this COVID-19 pandemic!



Me, but it's about my family, my colleagues, my patients, it's about Western Cape, South Africa, and the world being COVID free.
We can only do this if we vaccinate!

Eleanor Roberts
DENOSA Western Cape
Provincial Chairnerson





Conclusions



Concluding remarks

- 1. We have now passed the peak of 3rd wave with signs of continuous decline, but urge everyone to adhere strictly to protective behaviours, to contain it over the coming weeks.
- 2. We have tailored our response to the 3rd wave, with clearly identified trigger points for an appropriate health platform and societal response.
- 3. We continue to require a concerted whole of government and whole of society response to flatten the 3rd wave, to protect the health system.
- 4. We have scaled up our vaccination capacity to administer vaccines. We have the capacity to vaccinate >50 000 people/day. Vaccine effectiveness has been clearly demonstrated
- 5. We need to scale our mobilisation and assist everyone >18 years to be registered on the EVDS, and to be vaccinated. Lets all be vaccine ambassadors.

Thank you

