



**Western Cape
Government**

Health

Digital Press Conference

Health Update

Dr K Cloete

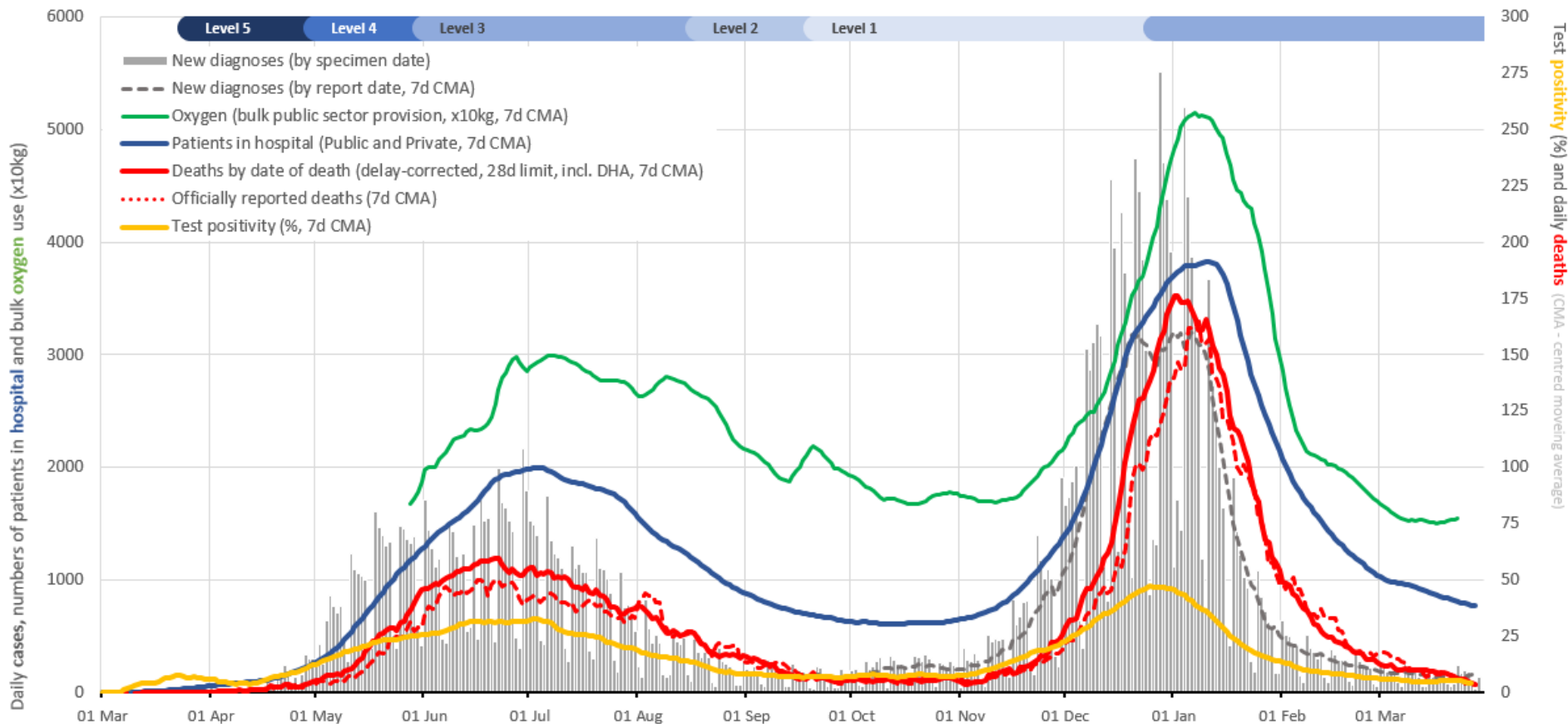
1 April 2021

Overview

1. Surveillance & Response Update
2. Health platform COVID response
3. Safe-guarding the well-being of health care workers and the health services
4. Phase 1 Vaccine Implementation update
5. Phase 2 Vaccine Implementation preparation
6. Conclusions

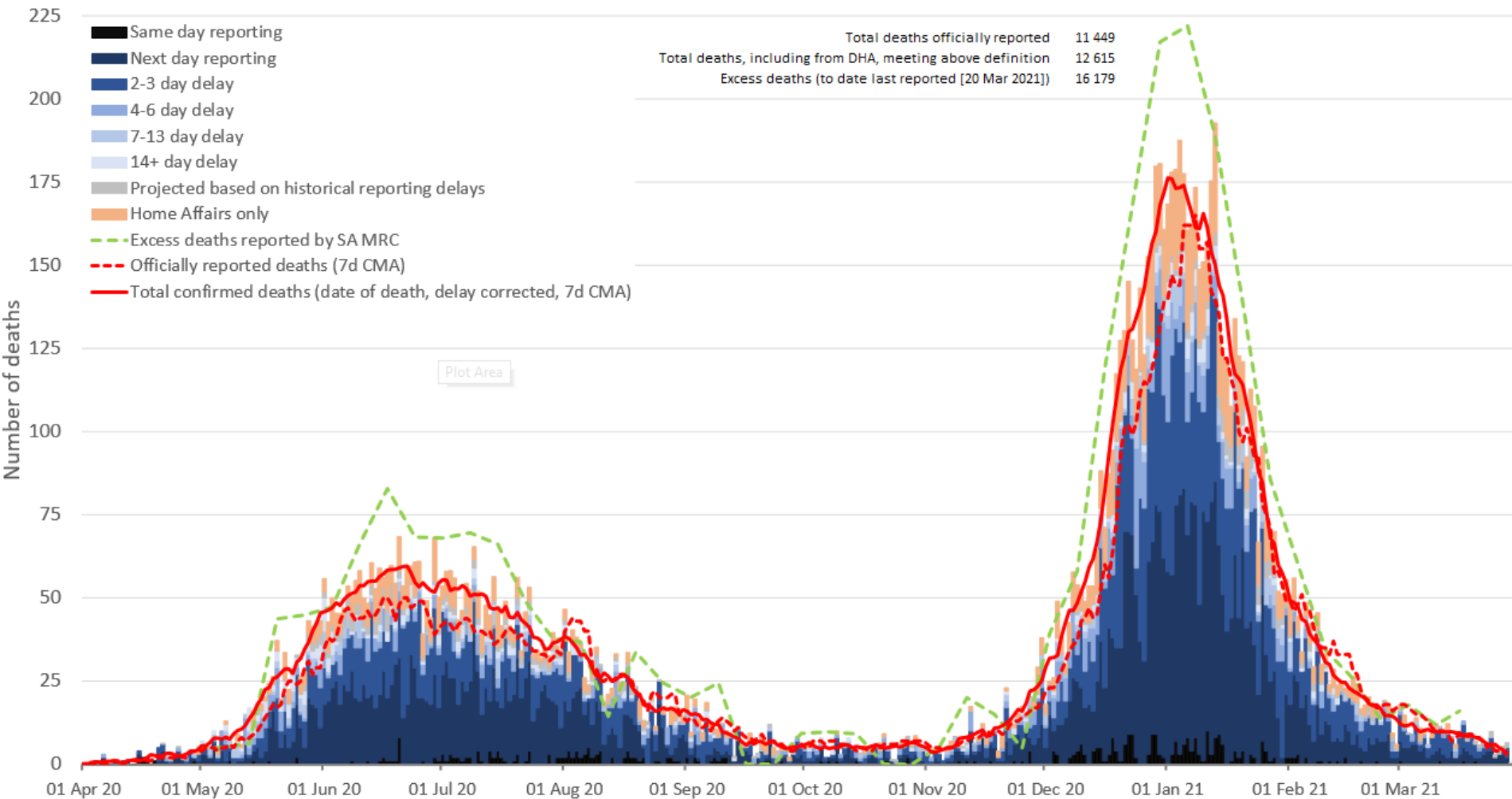
Surveillance & Response Update

Integrated testing, case, hospitalisation and mortality trends



Mortality by date of death

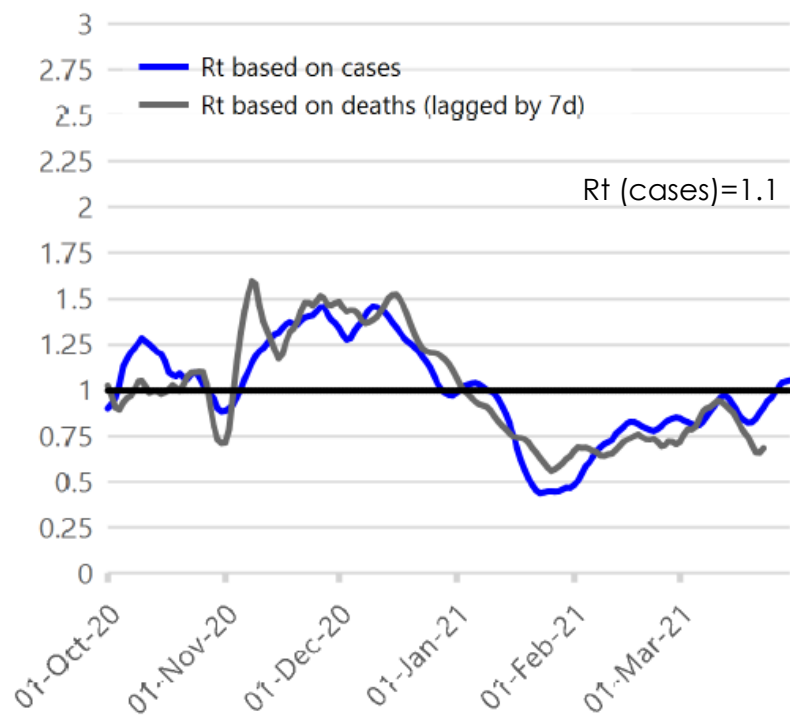
Mortality in patients with laboratory-confirmed SARS-CoV-2, by delay to reporting*
(within 28 days of diagnosis or 14 days of discharge, by date of death, excluding non-natural deaths on population register)



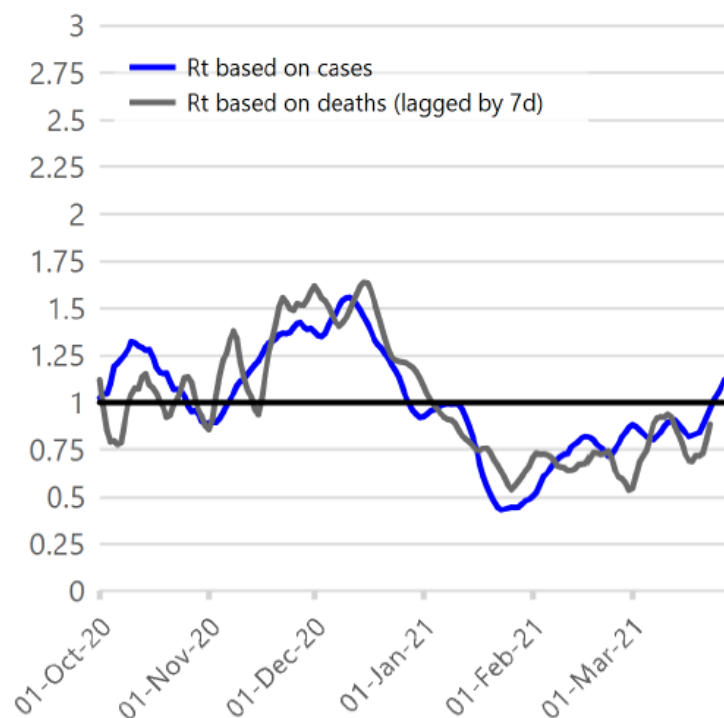
* Excludes deaths in those with undiagnosed COVID-19, in patients with clinical diagnoses in spite of absent or false negative SARS-CoV-2 test results, and in those without recorded ID numbers dying at home or in ambulatory or emergency room care; CMA - centred moving average

Current reproduction number

Province



Metro



Provincial Resurgence Overview

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

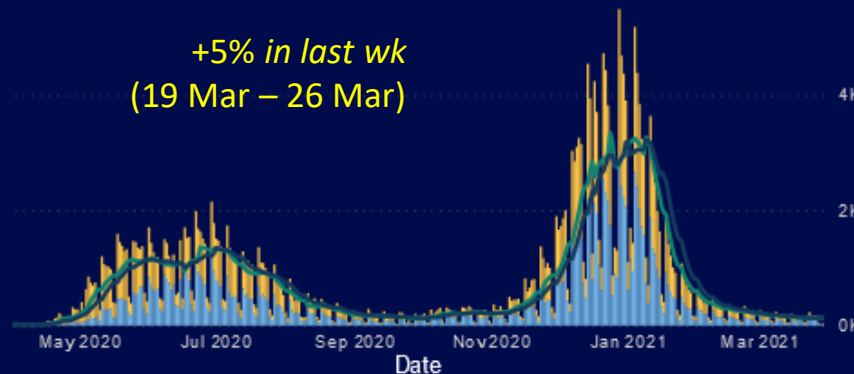
Health Impact Assessment
WC Department of Health
Last Updated:
Tuesday, 30 March 2021



Select District, Subdistrict:

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

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



Date of Diagnosis

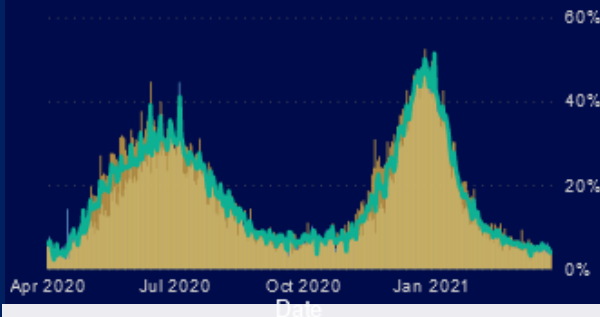
4/1/2020 3/29/2021

Date of Death

4/1/2020 3/29/2021

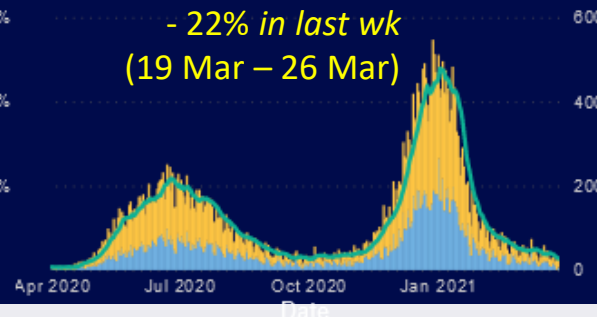
Proportion Positive and Overall Positivity by Date and Sector

Sector ● Private/Other ● Public — Overall Positivity



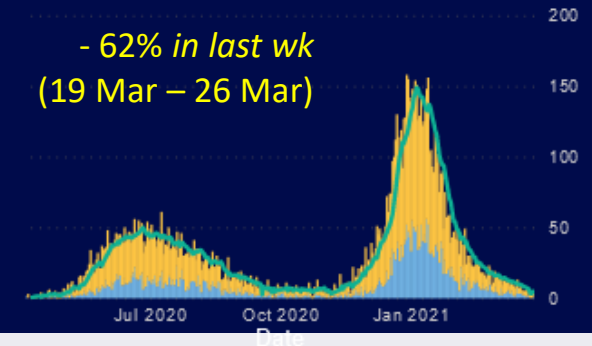
No. of Admissions and 7 Day MA by Date and Sector

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

- New COVID-19 cases are showing a slight increase (5%) but have mostly plateaued out.
- Admissions and deaths continue to decrease, with a 22% and 62% decrease respectively in this last week, compared to the week before.
- The proportion positive is still stable and low (5.1% on 26 March 2021).
- We are now seeing a similar number of cases, admissions and deaths that we were seeing in **October 2020**, the lowest period between the first and second waves

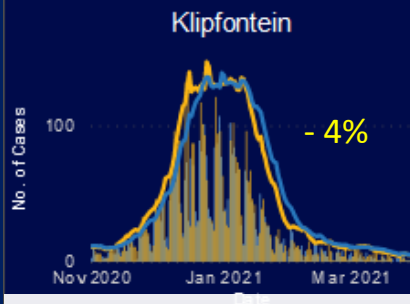
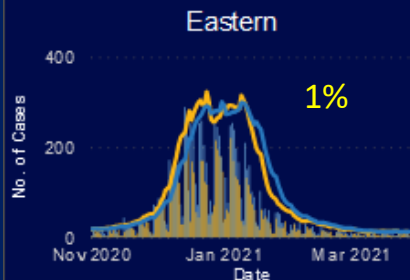
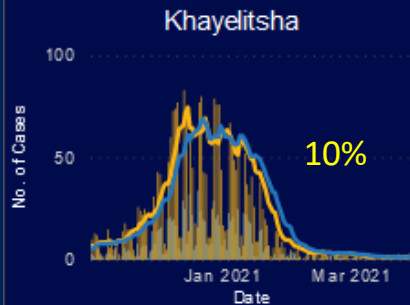


11/1/2020

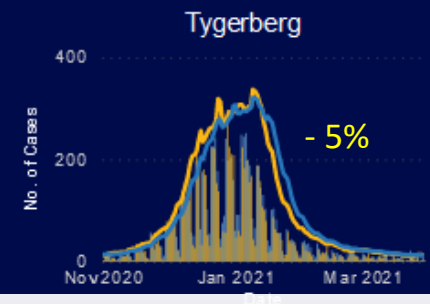
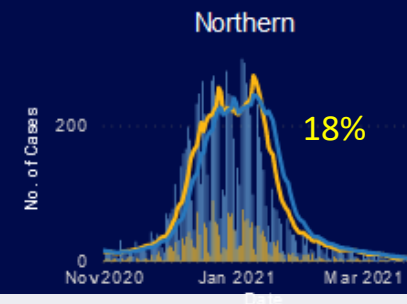
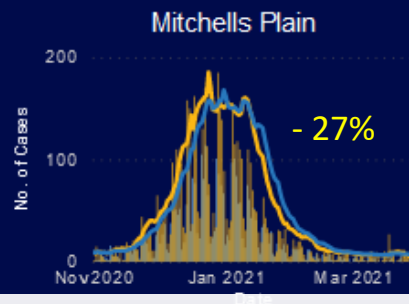
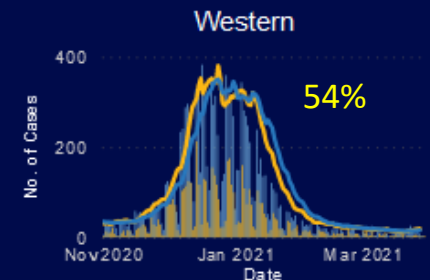
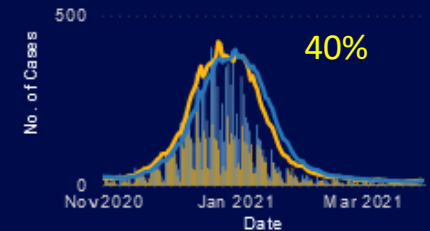
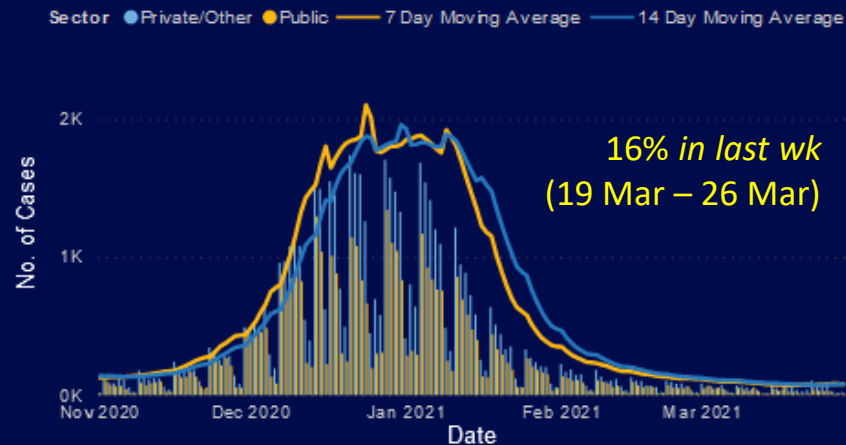
3/29/2021

Metro Resurgence Overview

Health Impact Assessment
WC Department of Health
Last Updated:
Tuesday, 30 March 2021
Southern



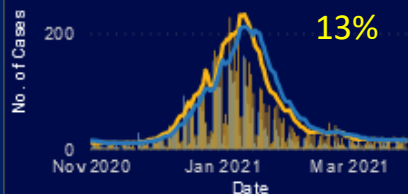
Metro Overview: No. of Cases with 7 and 14 Day MA by Date and by sector



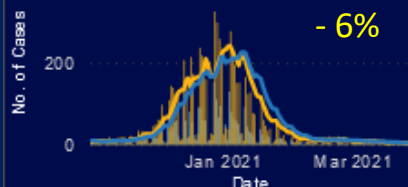
Metro Overview

- Cases in the Metro increased by 16% from 19 March to 26 March 2021.
- This increase was largely driven by increases in private sector testing in Northern, Southern and Western.
- No major clusters have been identified, but the teams on the ground are watching the situation carefully. Increased testing prior to surgery and travel is also contributing to these higher case numbers.

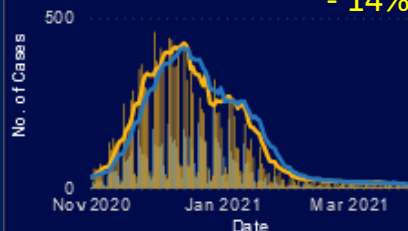
West Coast



Overberg

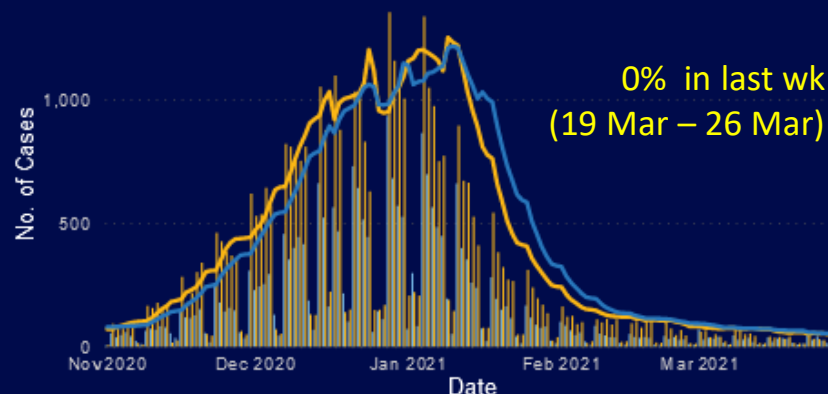


Garden Route

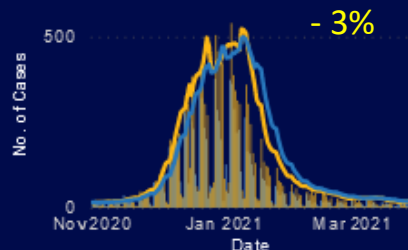


Rural Overview: No. of Cases with 7 and 14 Day MA by Date and by sector

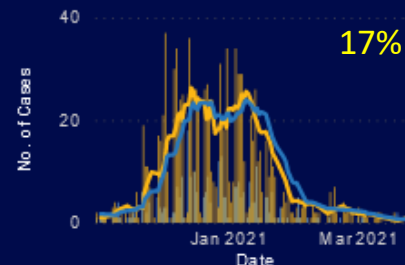
Sector: Private/Other (blue dot), Public (yellow dot), 7 Day Moving Average (orange line), 14 Day Moving Average (blue line)



Cape Winelands

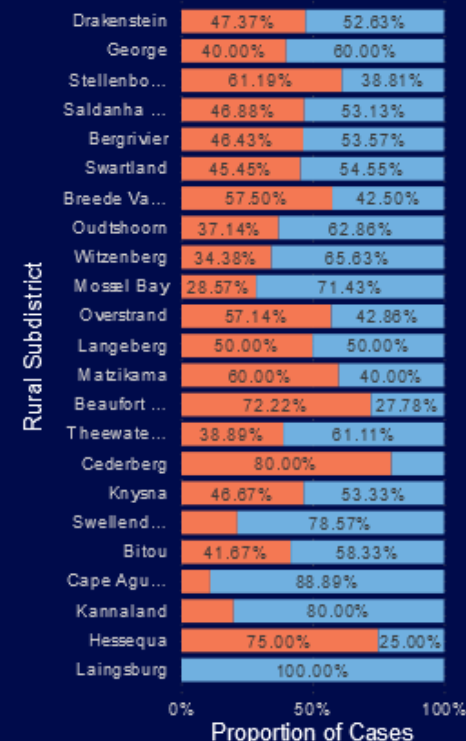


Central Karoo



Proportion of Cases by Subdistrict for last 7 days vs 7-14 days ago

<7 days ago (orange), 7-14 days ago (blue)



Rural Overview

- **Case numbers in Rural are unchanged.** A 0.3% increase was seen from 19 to 26 March.
- There is a **wide variation across the districts**, but the absolute numbers are very small.
- We **continue to watch** for and work to **contain local outbreaks** in all districts, especially over **upcoming holiday period**.

**30 March
2021**

Surveillance Huddle Report



Metro

Overall	<ul style="list-style-type: none"> Currently in the trough post wave 2 11% increase week-on-week, not sustained for 7 days
KESS	<ul style="list-style-type: none"> No further update
KMPSS	<ul style="list-style-type: none"> No significant increase in cases Facilities have noted an increased demand for testing Hospital of Hope have no patients, ward closing tomorrow
NTSS	<ul style="list-style-type: none"> Numbers fairly stable. Mostly household infections. No clusters noted Many pre-admission and pre-travel cases in the private sector
SWSS	<ul style="list-style-type: none"> First week with an increase in cases week-on-week 30 new cases per day compared to 19 new cases last week 3-6% positivity among facilities Western: Shipping companies picking up asymptomatic cases through routine testing Stellenbosch University cases (documented residence in SWSS but actually residing in University Residence) – concern about poor protocols 1 case in an OAH

Rural

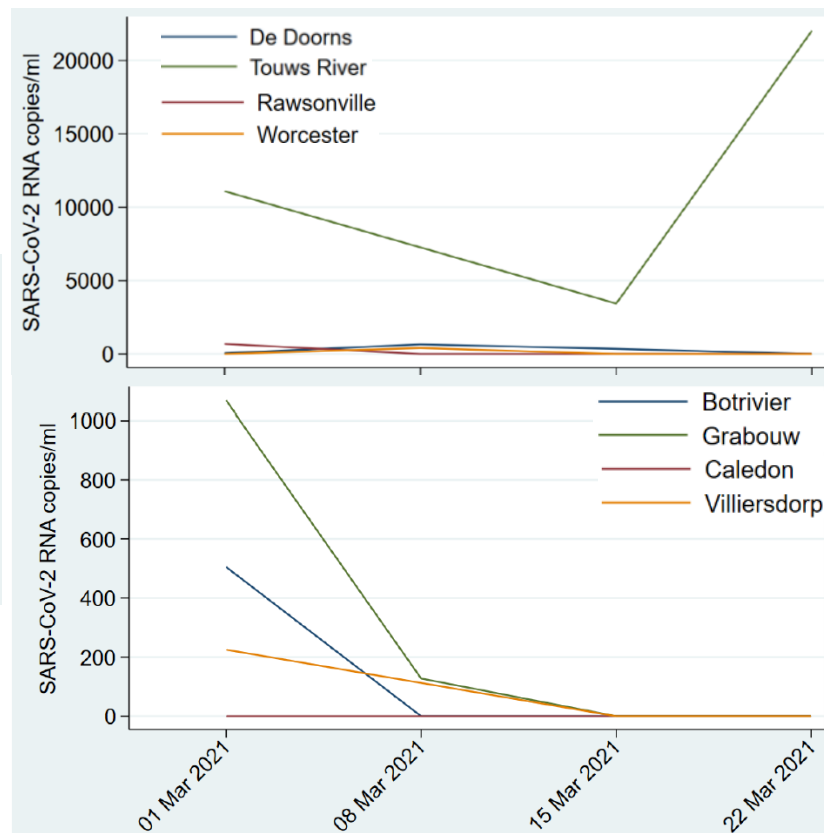
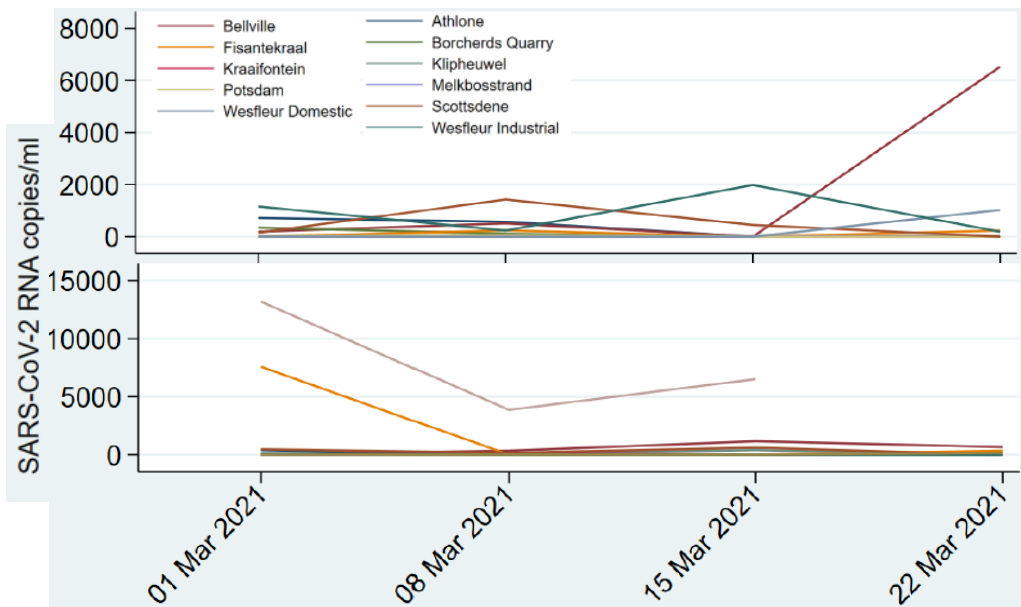
Cape Winelands	<ul style="list-style-type: none"> Possible cluster in Stellenbosch at a student hostel – 3 cases (unrelated), 4 PUIs awaiting results. Team liaising closely with the University. Increase in 18-30 year age group – team is investigating whether student cases or others No masking in public, poor adherence to NPI in Stellenbosch town Small numbers increase in Drakenstein and Breede Valley – no clusters or concerns in other subdistricts
Central Karoo	<ul style="list-style-type: none"> Absolute numbers small Few incidental asymptomatic cases diagnosed pre-admission
Garden Route	<ul style="list-style-type: none"> No issues. Situation in Thembalethu (George) and Knysna now stable Case numbers low, admissions low
Overberg	<ul style="list-style-type: none"> Low case numbers Tesselaarsdal (small town outside Caledon) funeral cluster of 5 cases, other results pending
West Coast	<ul style="list-style-type: none"> No further update

Triangulating with wastewater

SAMRC COVID- 19 AND WASTEWATER EARLY WARNING SYSTEM

WEEK 10
2021

City of Cape Town, Breede Valley AND Overberg



Breede Valley:

Spike in SARS-CoV-2 in Touwsriver; not detected in other 3 treatment plants

Theewaterskloof:

2nd consecutive with SARS-CoV-2 not detected at any of 4 treatment plants; No SARS-CoV-2 at Caledon treatment plant since 1 March

Metro:

Decrease/sustained low SARS CoV-2 RNA across most treatment plants. (No samples from 3 treatment plants due to protest action)

Increase in SARS-CoV-2 RNA >1000 copies/ml at:

- Bellville (correlates with increase in cases in Northern)
- Westfleur Industrial

Recommendations for the holiday period

1. **Numerous public holidays** coming up where people travel for **religious and family gatherings**.
2. These **gatherings pose a high risk of being super-spreader events**, with **infected people travelling back to different parts of the country**, which **could easily lead to a 3rd wave**.

3. What can we do to **prevent** the holiday period **causing a 3rd wave**?

- Avoid **unnecessary inter-provincial travel**
- Avoid **gatherings**:
 - Especially with lots of people from different places
 - Especially older people or with comorbidities
- **If you must gather**:
 - Keep it small (more people = more risk)
 - Keep it short (longer = more risk)
 - Keep it outside (indoor = more risk)
 - Keep it quiet and don't sing
- **Social distance, ventilate, mask up and hand hygiene if must travel or gather**



Messages for the holiday season: making safer choices




**STAY SAFE
MOVE FORWARD**

Keep gatherings small




**STAY SAFE
MOVE FORWARD**

Go outdoors where there is lots of fresh air



**STAY SAFE
MOVE FORWARD**

Open all windows - also on public transport



**STAY SAFE
MOVE FORWARD**

Skip the crowds

The health platform COVID response

Acute service platform – general comments

1. Currently **824 COVID patients** in our acute hospitals (**471** in **public** hospitals & **353** in **private** hospitals). This **excludes PUIs** and **cases in specialised hospital** settings.
2. COVID **hospitalisations** have continued **to decline**; there has however been an increase in **trauma cases**
3. The **Metro hospitals** have an average **occupancy rate** of **86%**; **George** drainage area hospitals at **64%**; **Paarl** drainage area hospitals at **72%** & **Worcester** drainage area hospitals at **73%**.
4. Occupancies in COVID beds show **Metro** hospitals at **10%**; **George** drainage area hospitals at **15%**; **Paarl** drainage area hospitals at **22%**; **Worcester** drainage area hospitals at **21%**.
5. **COVID & PUI cases** currently make up **6%** of all available acute general hospital capacity in both Metro and Rural Regional Hospital drainage areas.
6. **COVID inter-mediate care** – the **Brackengate Hospital of Hope** currently has **13** patients (3 286 cumulative patients), **Freesia & Ward 99** has **2 patients**, **Mitchell Plain Hospital of Hope** has **0 patients** and **Sonstraal** currently has **0 patients**.
7. The Metro **mass fatality centre** has capacity for **240 bodies**; currently **3 decedents (cumulative total of 1387 bodies)** admitted. The overall capacity has been successfully managed across the province.

Acute Care Availability & Utilisation per Drainage Area



Western Cape
Government
Health

WCDOH: Daily Operational Bed Status Dashboard as at 31/03/2021

Drainage Area	Operational Beds	Filled Beds	BUR %	COVID BUR %	% Covid patients	BUR % for Designated Covid Beds(General Wards)	BUR % for Designated Covid Beds(Critical Care)
Cape Town /Metro	5 041	4 322	86%	10%	4%	10%	13%
George	918	585	64%	15%	8%	16%	8%
Paarl	940	677	72%	22%	9%	22%	50%
Worcester	781	568	73%	21%	13%	20%	27%
SubTotal WCDOH	7 680	6 152	80%	14%	6%	13%	17%

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

1. The **combined public-private** utilisation is now **23.98 tons/day** or **34.26% of the maximal production capacity (70 tons/day)** at the Afrox Western Cape plant.
2. The **public sector total bulk oxygen** consumption has reduced to **15.45 tons/day, or 21.44 %** of the Afrox Western Cape plant for the 7-day period ending 19th March. This is compared to **51 tons/day** in the first week of January.
3. The Western Cape still has **4 bulk oxygen tankers** allocated for the daily delivery of oxygen supplies during the week.
4. We have started to **address some of the capacity challenges** at facility level, as identified during the 2nd wave, in preparation for the 3rd wave.
5. We will **continue to monitor the utilisation of oxygen** over the coming weeks, but **the situation** has completely **stabilised**.

Overview of the impact of recent alcohol regulation changes on trauma presentations (01 Jan 2021-29 Mar 2021)

As before, with each lifting of alcohol regulation we see trauma presentations increase.

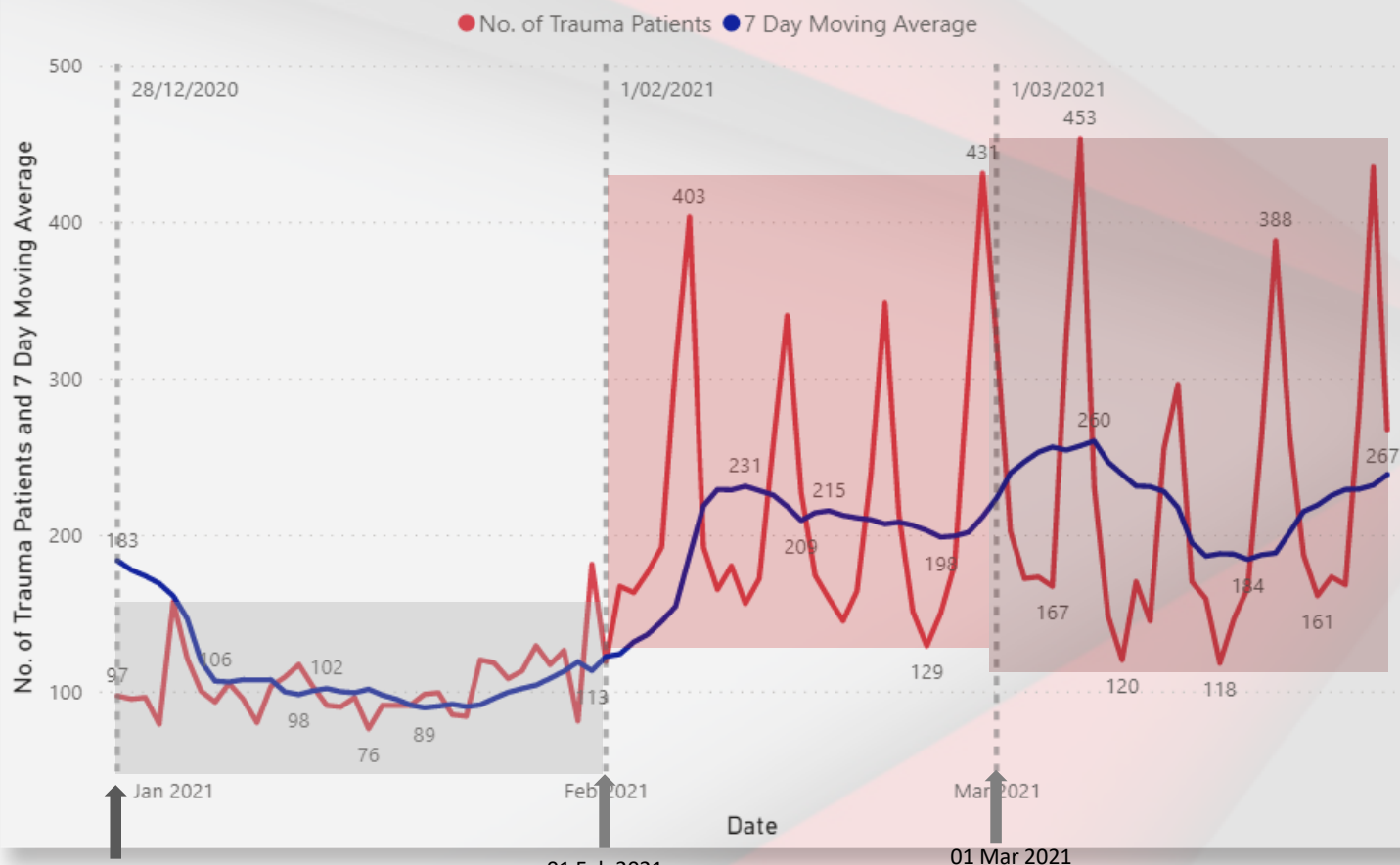
Interestingly, over the month of March we saw a mid-month dip in trauma presentations with an expected increase at the start and end of the month. These levels were higher than that seen in February.

Weekend peaks persist consistent with periods of alcohol related trauma presentations over weekend.

WC Sentinel Trauma Report

This report shows a sample of 13 hospital emergency centres and their trauma patient numbers over time

No. of Trauma Patients and 7 Day Moving Average by Date



28 Dec 2020
Alcohol ban
reinstated

01 Feb 2021
Alcohol ban lifted with
partial restrictions
reinstated

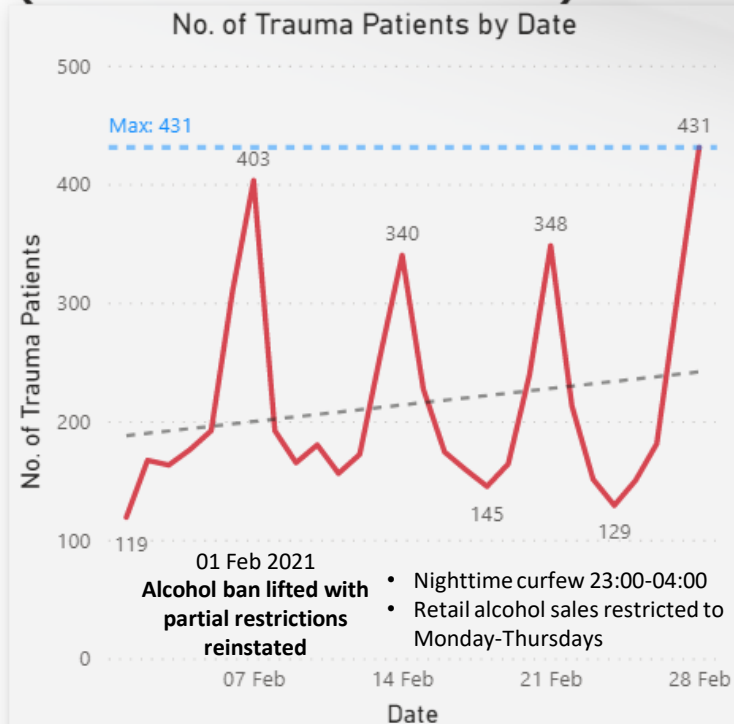
- Nighttime curfew 23:00-04:00
- Retail alcohol sales restricted to Monday-Thursday

01 Mar 2021
Limited to no alcohol
restrictions

- Nighttime curfew 00:00-04:00
- No restrictions in terms of retail sale of alcohol

Source: HEC TIS

Comparing 4 weeks BEFORE alcohol regulation change to 4 weeks AFTER (1 Feb 2021-28 Mar 2021)

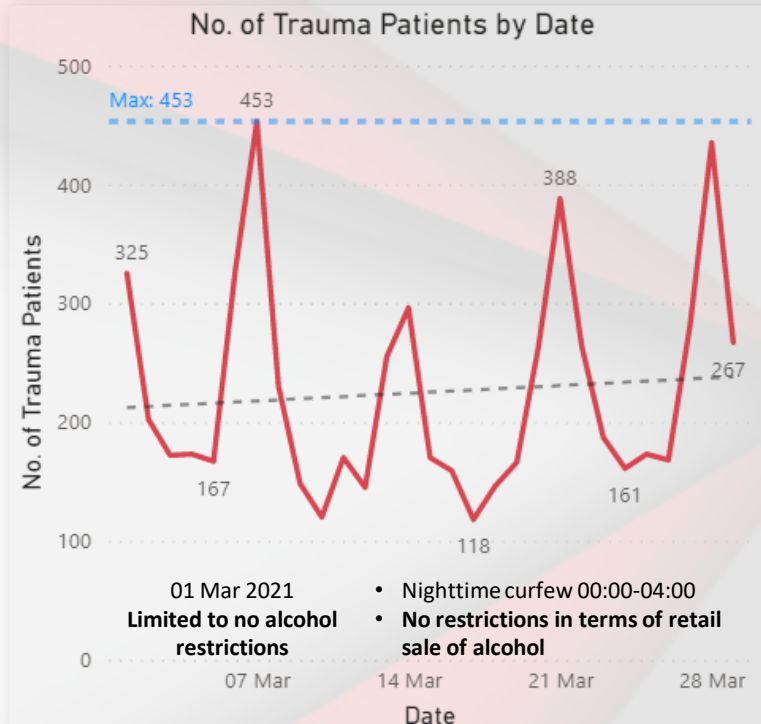


WC Sentinel Trauma Report

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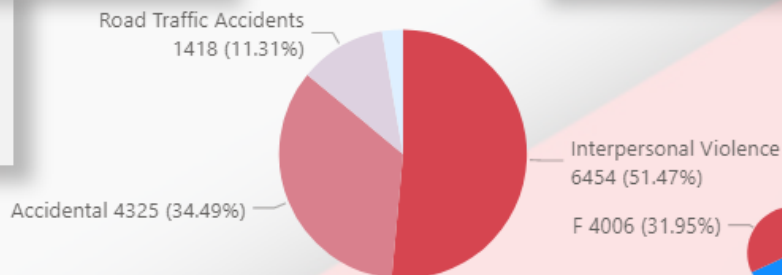
When comparing the month of March with February we saw trauma presentations increase by 12.2% across 13 sentinel facilities in the province.

>50% attributed to Interpersonal Violence,
>30% trauma in women.



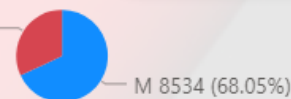
5580

No. of Trauma Patients



6262

No. of Trauma Patients



Source: HECIS

Date

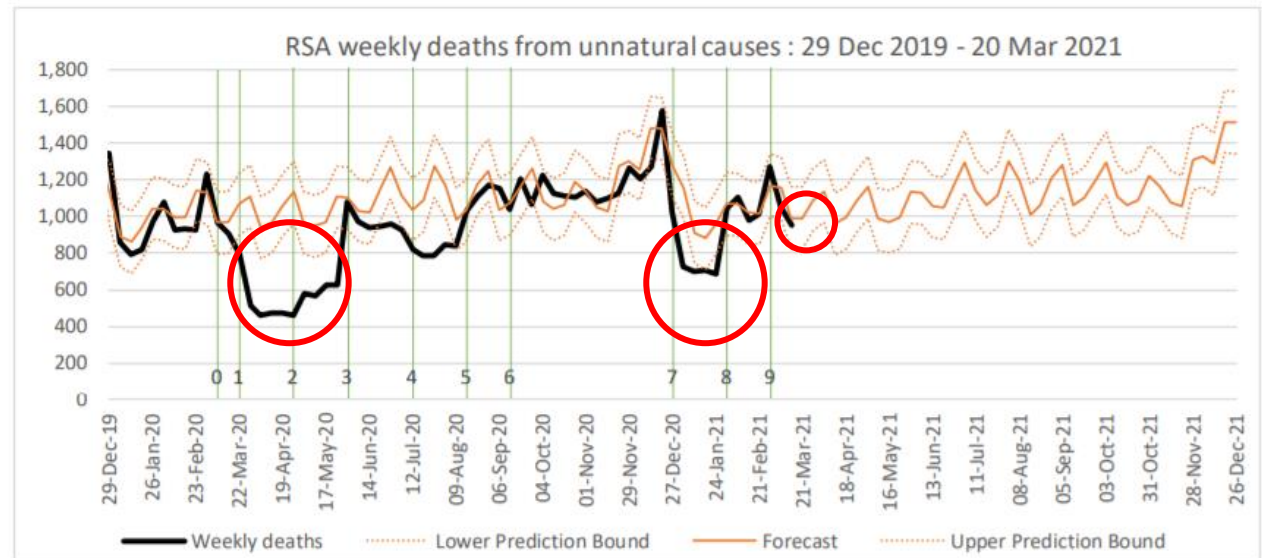
1/02/2021

29/03/2021

Considerations for Easter weekend

The latest restrictions that intend to limit retail alcohol availability over the Easter weekend may confer limited impact due to:

- The 2-day lead that may result in stockpiling
- The expected increases in trauma presentations over this period that may only lead to plateauing of presentations with the reinstated regulations.



Numbers have been scaled to the estimated actual number of death and for the last week has been adjusted for delayed registrations. As only a quarter to a third of unnatural deaths in the most recent week are processed at the time of the survey, the estimate for the most recent week is quite uncertain.

Vertical lines in order

- 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 of alcohol
- 4 Week alcohol re-banned and a curfew re-introduced
- 5 Week lockdown changed to level 2, including unbanning of alcohol
- 6 Week lockdown changed to level 1
- 7 Week lockdown changed to level 3 advanced (rebaning alcohol and a extension of curfew)
- 8 Week lockdown relaxed to allow sale of alcohol 4 days/week and reduce curfew
- 9 Week lockdown relaxed to allow sale of alcohol except during curfew and reduce curfew to midnight to 4am

Safe-guarding the well-being of health care workers and the health services

DEPARTMENTAL OVERVIEW HEALTHCARE WORKERS INFECTED WITH COVID-19



Totals as at 31 Mar 2021

Cumulative Infections

8,863

-



8,716

-



124

=

Active Cases

23

Doctors



807

Nurses



3,977

Radiographers



109

Pharmacists



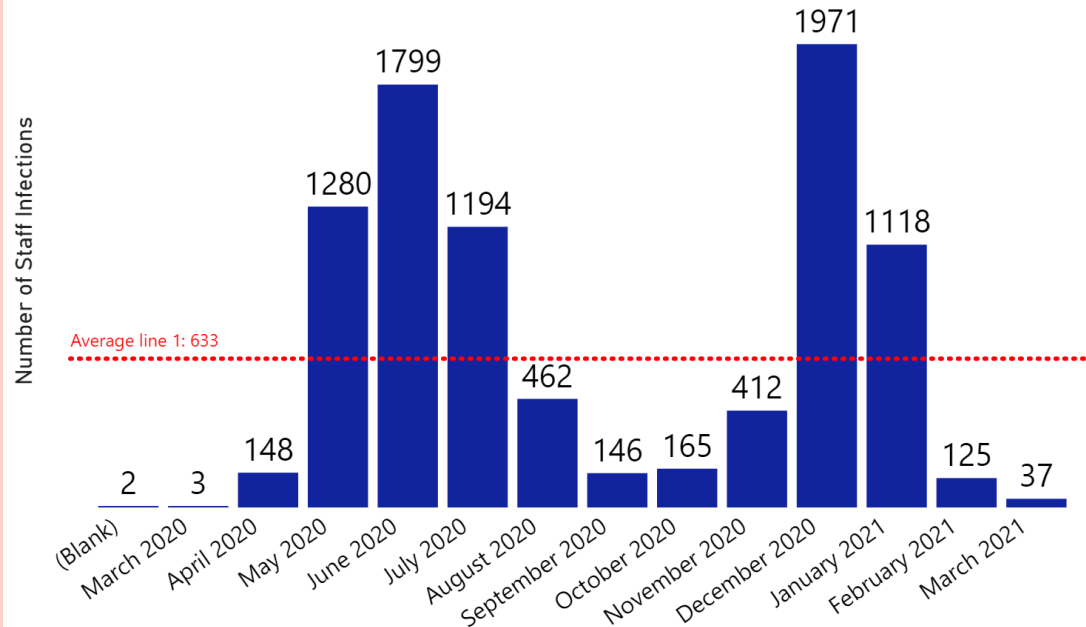
84

Other
Categories

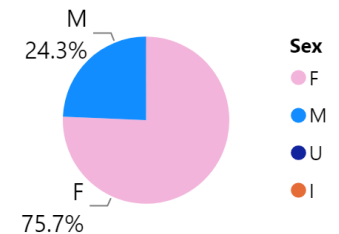


3,886

Healthcare Workers Infections by Month



Gender Distribution by Sex



DEPARTMENTAL OVERVIEW

HEALTHCARE WORKERS INFECTED WITH COVID-19 -DAILY TRENDS

Totals as at 31 Mar 2021

Cumulative Infections

8,863

-



8,716

-



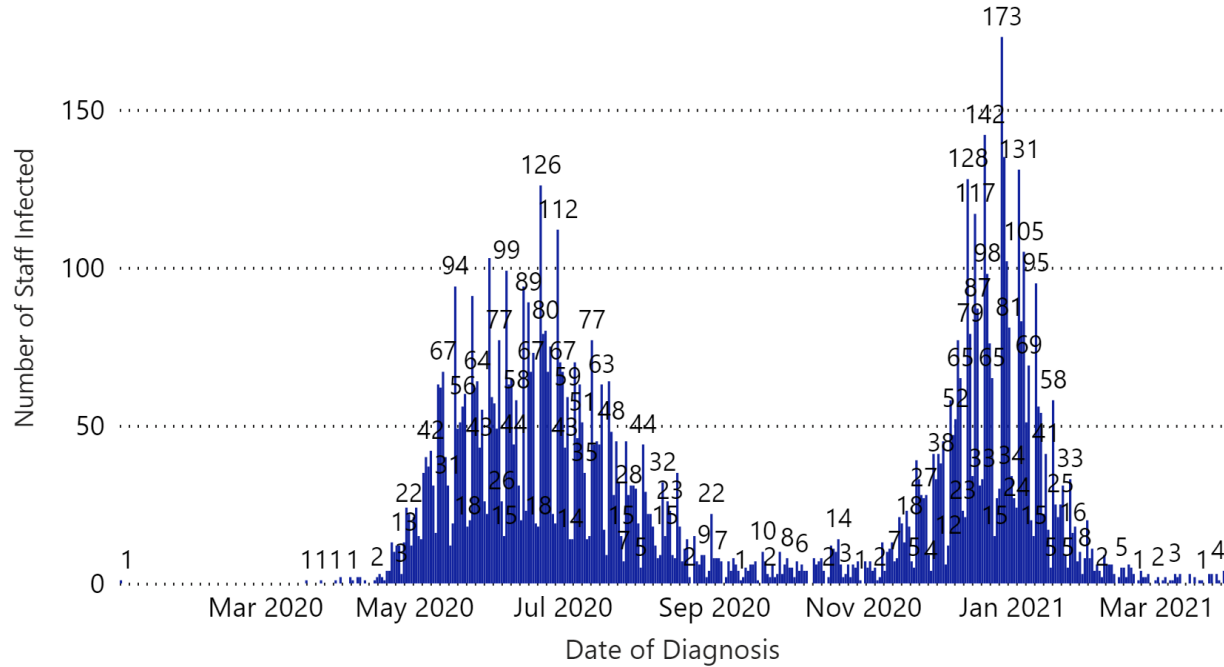
124

=

Active Cases

23

Daily Staff Infection Trends



Doctors



5

Nurses



5

Radiographers



1

Pharmacists



1

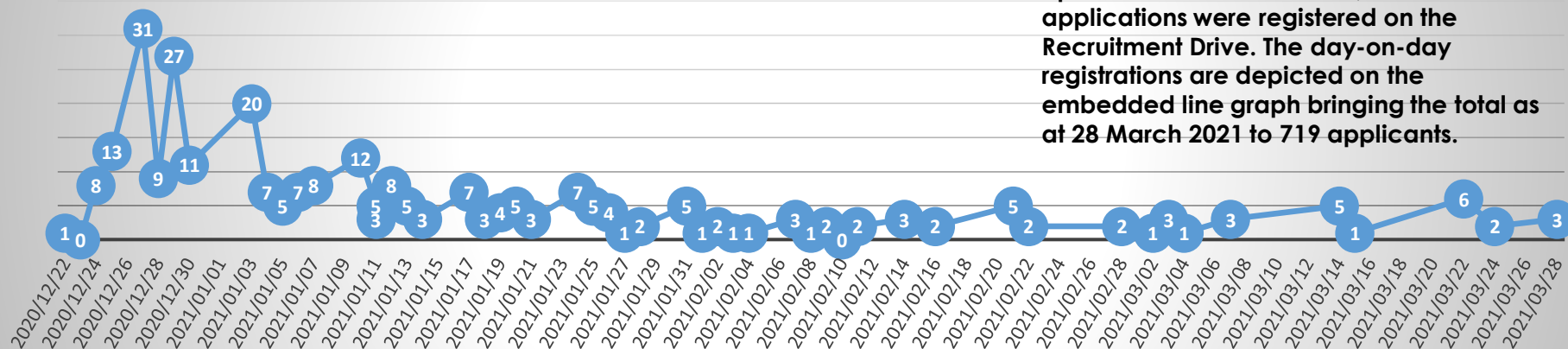
Other
Categories



11

High Level Summary on Recruitment Drive

Number of new entries on the Recruitment Drive



Category of HCW	Possibly Available	Appointed on PERSAL
MO	159	26
Enrolled Nurse(EN)	99	20
Enrolled Nursing Auxiliary (ENA)	111	24
Not Indicated	33	7
Professional Nurse	130	61
Professional Nurse with Specialty	41	8
	573	146

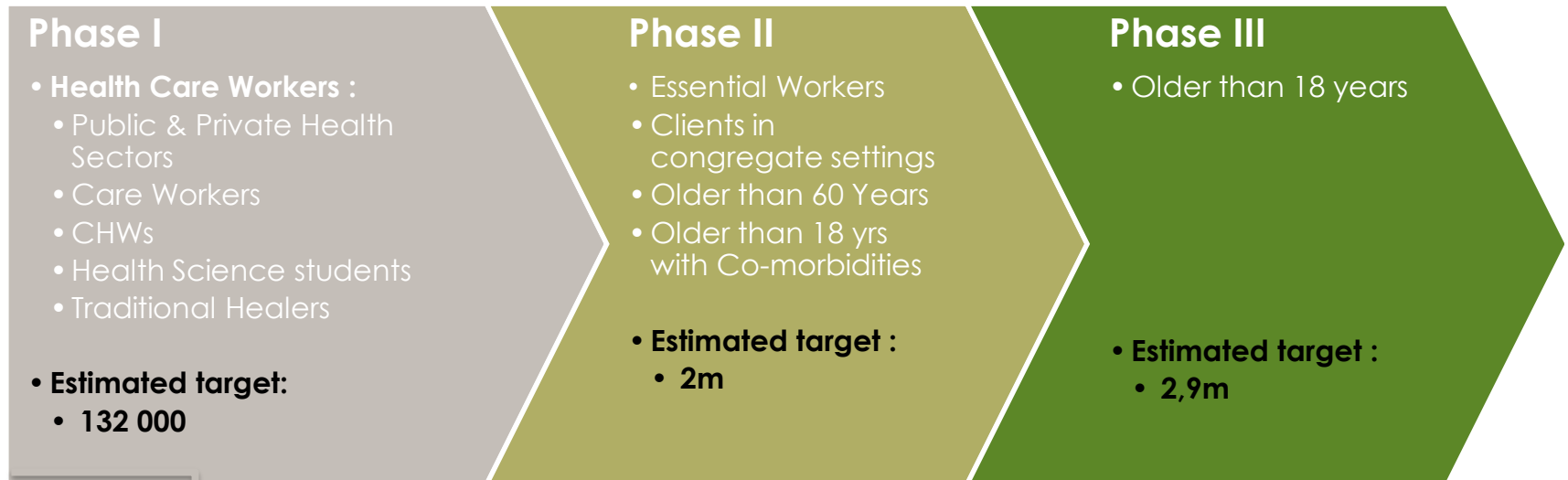
Institutions have made 30 Offers to the following categories of staff:

OSD-Category Rank	Filled	Reserved Posts	Grand Total
Allied Health	24	2	26
Doctors	78	1	79
Nursing	856	26	882
Pharmacists	5		5
Pharmacists-Assistant	10		10
Social Workers	5		5
Admin and Related	154	1	155
Grand Total	1132	30	1162

There are currently 1132 filled posts across the platform for additional COVID posts, 30 offers are pending finalization which will bring the total to 1162. Of the 719 Recruitment Drive applicants, 146 has thus far been appointed on PERSAL. The balance of which 573 are possibly available for appointment.

Phase 1 Vaccine Implementation update

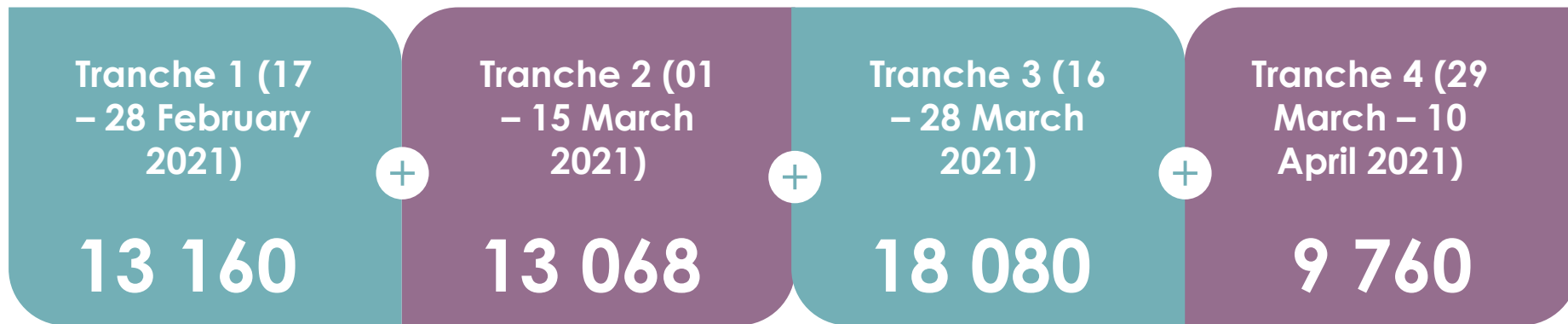
Vaccine update: Phases and Prioritisation Groups



- It is anticipated that we will be able to cover **50% of health care workers** with the **limited doses** being received via the Sisonke Programme.
- We are preparing to **scale up vaccination during April** to **complete Phase 1**, with an **expected arrival of Pfizer doses** by **early April 2021**.

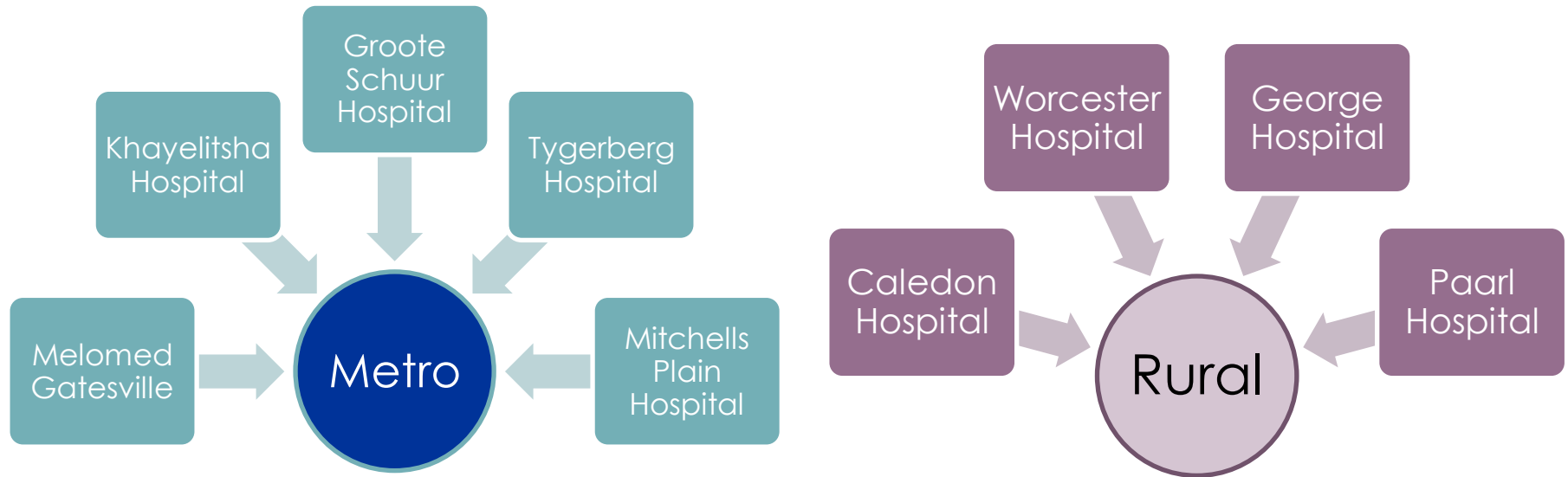
Vaccine Update: J&J Sisonke Programme

1. Since the launch of the **J&J Sisonke Programme** took place on 17 February 2021, the province is currently implementing its **fourth tranche** of the **initial 300 000 vaccines**.
2. Additional **tranches are expected after 10th April** from the **additional 200 000 doses** (projecting 30 000 doses).
3. Each vaccine tranche covers a 2-week period:



4. The total number of doses received thus far: **54 068**
5. As at **31 March 2021**, a total of **48 641** health care workers have been vaccinated in the province (public and private sectors).

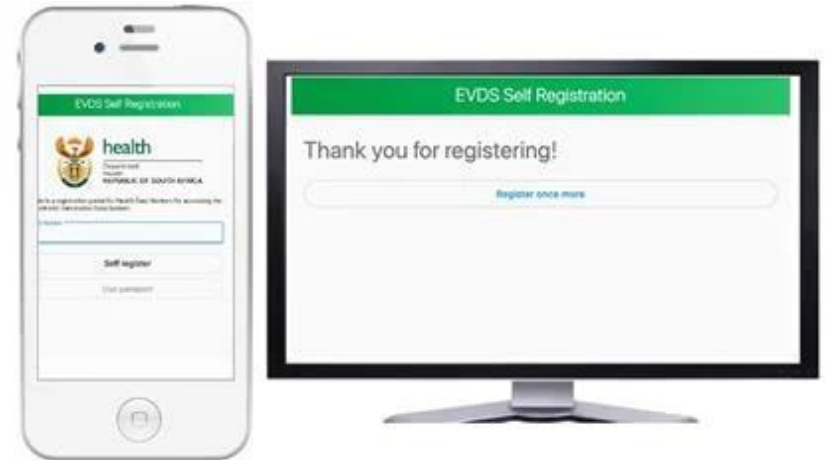
Vaccine Update: Sites



- Vaccination sites in **rural districts** service both the public and private sectors.
- In the **Metro**, Melomed Gatesville services the private sector and the public sector vaccination sites service the public sector.

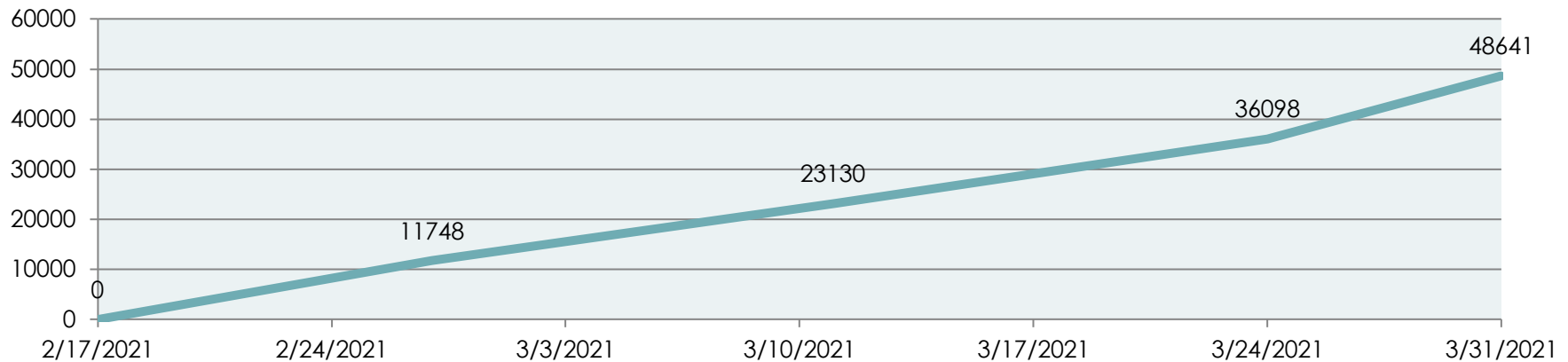
Vaccine update: Implementation

- Initial operational challenges with regards to the **Electronic Vaccine Data System (EVDS)** have largely been resolved.
- There is greater awareness and understanding amongst healthcare workers of the **process to follow** to access the vaccines.
- The province now has **more provincial level control permissions** on EVDS which helps for a smoother facilitation of processes at the local level.
- **Prioritisation and sequencing** of most-at-risk healthcare workers continues to ensure equitable access to the vaccine programme for those healthcare workers at greatest need.

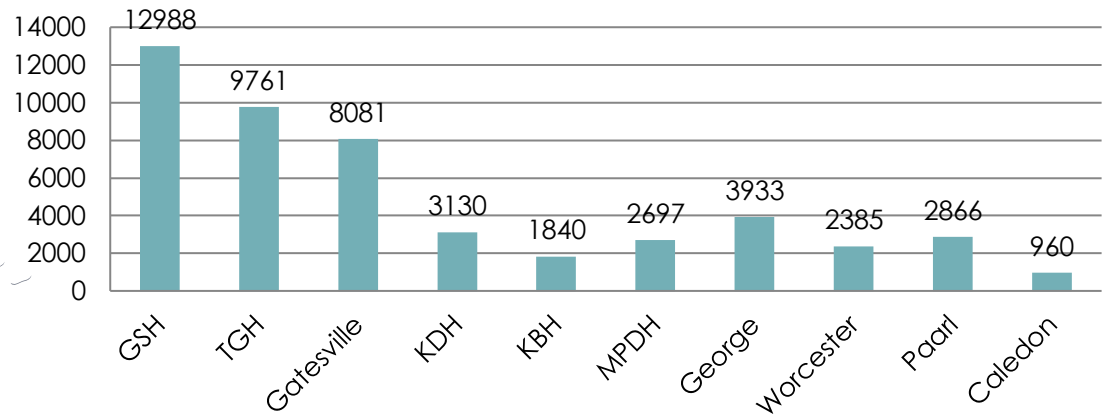


Vaccine Update: Healthcare workers vaccinated

Number of healthcare workers vaccinated: 17 February to 31 March 2021



Number of healthcare workers vaccinated per site



Vaccinator Database (as at 31 March 2021)

Group	District	Facility/Institution			
<input type="checkbox"/> Cape Metro <input type="checkbox"/> CAPE TOWN <input type="checkbox"/> CDU <input type="checkbox"/> CMD <input type="checkbox"/> College of Emergency... <input type="checkbox"/> CT Eastern SD <input type="checkbox"/> CT Khayelitsha SD <input type="checkbox"/> CT Klipfontein SD <input type="checkbox"/> CT Mitch Plain SD <input type="checkbox"/> CT Northern SD <input type="checkbox"/> CT Southern SD <input type="checkbox"/> CT Tygerberg SD <input type="checkbox"/> CT Western SD <input type="checkbox"/> DCS <input type="checkbox"/> Eastern <input type="checkbox"/> Metro <input type="checkbox"/> Metro Health Services	<input type="checkbox"/> Cape Metro <input type="checkbox"/> CAPE TOWN <input type="checkbox"/> Cape Winelands <input type="checkbox"/> CDU <input type="checkbox"/> Central Karoo <input type="checkbox"/> CMD <input type="checkbox"/> College of Emergency Care <input type="checkbox"/> CPUT <input type="checkbox"/> CT Eastern SD <input type="checkbox"/> CT Khayelitsha SD <input type="checkbox"/> CT Klipfontein SD <input type="checkbox"/> CT Mitch Plain SD <input type="checkbox"/> CT Northern SD <input type="checkbox"/> CT Southern SD <input type="checkbox"/> CT Tygerberg SD <input type="checkbox"/> CT Western SD <input type="checkbox"/> DCS	<input type="checkbox"/> Aan-het-Pad Clinic <input type="checkbox"/> Abalone Factory <input type="checkbox"/> ACVV <input type="checkbox"/> Admin Building <input type="checkbox"/> Adriaanse Clinic <input type="checkbox"/> Alan Blyth Hospital <input type="checkbox"/> Albertinia Clinic <input type="checkbox"/> Alexandra Hospital <input type="checkbox"/> Alma CDC <input type="checkbox"/> Alphen Clinic <input type="checkbox"/> Amalienstein Clinic <input type="checkbox"/> Amawandle Incon Clinic <input type="checkbox"/> Amawandle Pelagic - Inc... <input type="checkbox"/> Annie Brown Clinic <input type="checkbox"/> Aquarius Health Covid Fi... <input type="checkbox"/> Area Central HO <input type="checkbox"/> Area East HO	<div>4450</div> <div>total Vaccinators</div>		
			<div>2365</div> <div>total Trained</div>		
			<div>497</div> <div>Doctors</div>		
			<div>2172</div> <div>Nurses</div>		
			<div>85</div> <div>Other</div>		
			identified so far		
			<div>526</div> <div>Pharmacists/EMS/Educator</div>		
			<div>302</div> <div>Supervisor/ Manager</div>		

Phase 2 Vaccine Implementation preparation – targeted to start in May 2021

Global and Local Lessons Learned

Key Global Lessons:

- High-level leadership & commitment
- Information Systems: Scheduling / Appointments, Monitoring, Reporting
- Effective Communications and Citizen Engagement to obtain buy-in and trust
- Patient centred, highly organised and efficient logistics



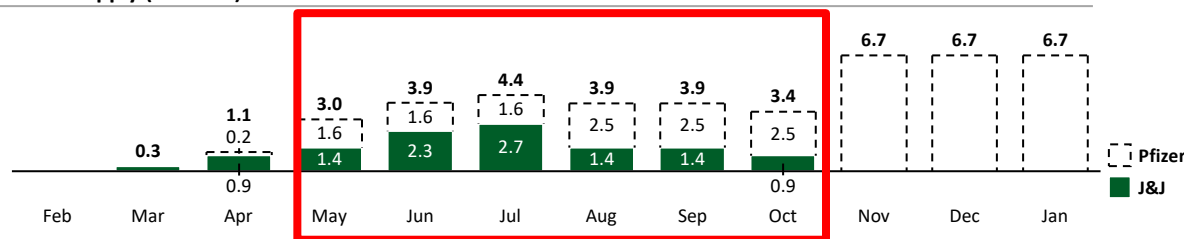
Key Lessons from Phase 1

- Vaccination Site Setup
- Vaccinator Training and Training Updates
- Information Systems
- Registration and Appointment Scheduling
- People Behaviour
- Vaccine Logistics
- Governance
- Stakeholder Interaction

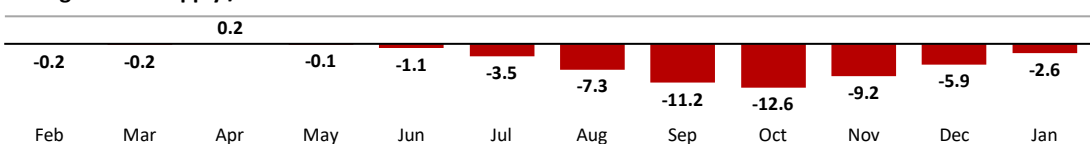
National Supply Pipeline - Accelerating the delivery of the J&J vaccines and securing the Pfizer vaccines could save >48k lives and relieve pressure on the healthcare system

Supply demand balance (with accelerated J&J supply and Pfizer supply starting in Q2)

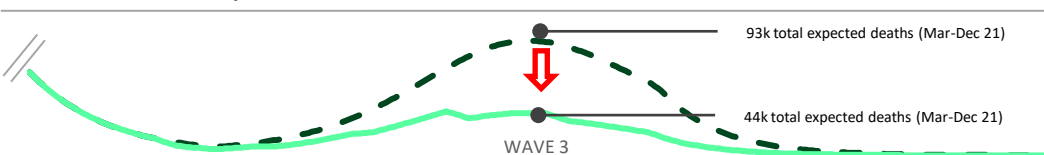
Vaccine Supply (m doses)



Rolling vaccine supply / demand balance in # individuals¹



Incremental deaths expected



34

 Accelerated Delivery of Q3 and Q4 J&J doses

Key insights





- Accelerating the delivery of J&J vaccines from Q3 to Q2 and assuming Pfizer doses are also secured from Q2 onwards, the supply deficit required by winter could drop to 3.5m
- This will have a significant impact on the third wave
 - Up to 40,000 lives saved
 - Up to 200,000 fewer hospitalisations¹
 - More than R8b savings in healthcare costs²

¹ Based on best available data, ~12% of tested positive in high risk population will require hospitalisation, death rate of ~15-18% among the hospitalised
² Assuming average ~10 days stay per case, at an average cost of ~R4,000 based on a case mix between general ward and ICU in private/public hospitals

Vaccine options – SAHPRA approvals & W Cape Acquisition

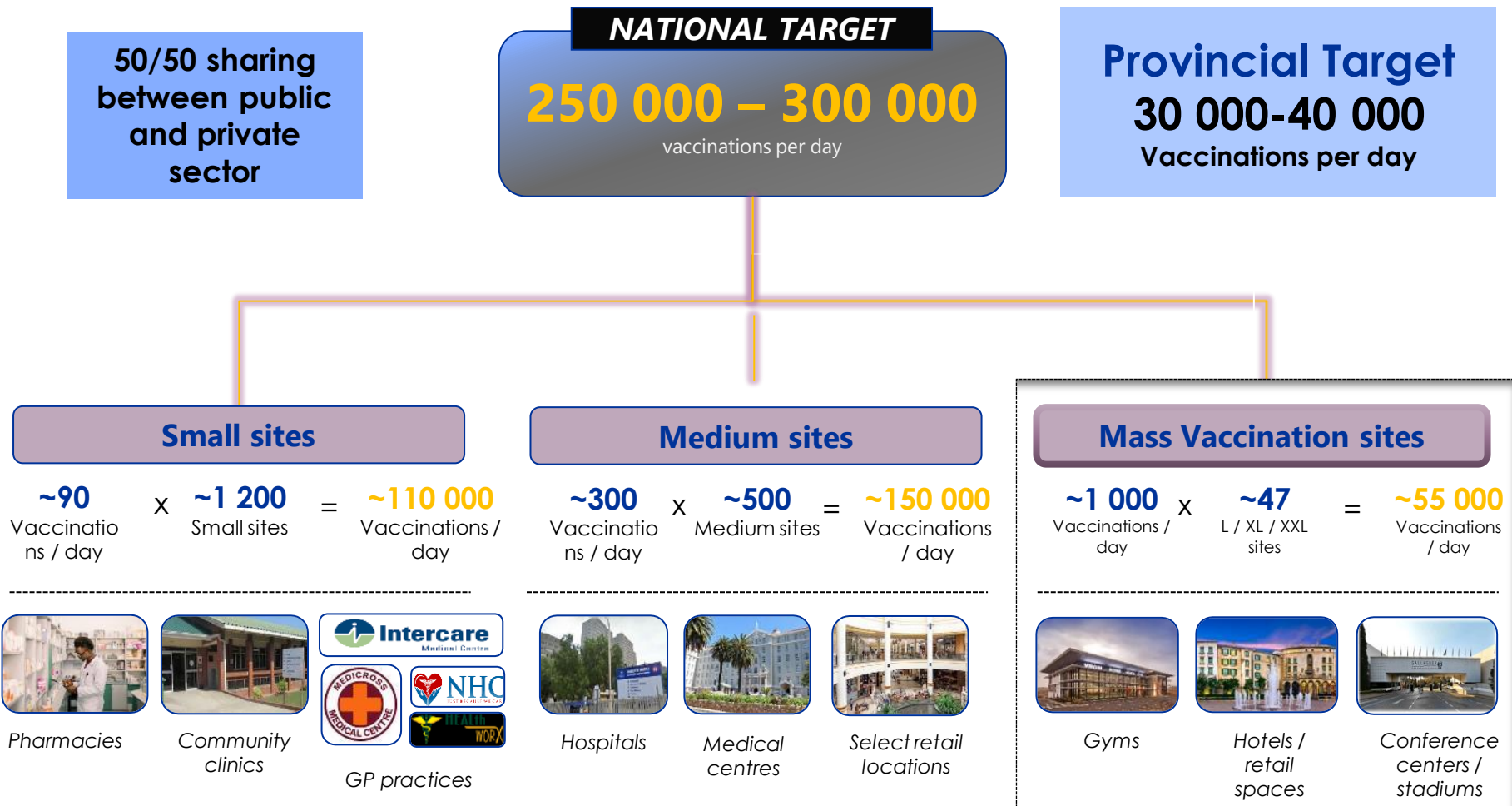
VACCINES WITH PHASE 3 RESULTS



Product	Type	Doses Interval	Cold Chain	Vaccinated sample	Efficacy – Mild illness	Efficacy – Hospital	Efficacy – Death	Price	Production	SRA WHO EU	Comments
	nRNA	2 21 days	-60 to - 80	15,000 USA	94.1%	100%	100%	\$6.5 – \$19.5	1.89B	USA Canada UK EU Swiss Australia WHO	<u>Ultra cold</u> chain
	mRNA	2 28 days	-15 to - 25	18,600 USA	95%	97%	100%	\$10- \$37	822M	USA Canada UK EU Swiss	High cold chain
	VV Simian	2 4-12 weeks	2 to 8	8,588 UK RSA Brazil	70% overall	100%	100%	\$3- \$5.5	3.09B	Canada UK EU Australia WHO	
	VV Human	1 NA	2 to 8	22,000 USA RSA South America	72% USA 64% RSA 61% South America	100%	100%	\$10 (single dose vaccine)	1.4B (single dose vaccine)	USA Canada EU WHO	

Pfizer and J&J – Section 21 and Phase 3.b approvals granted or in process of being granted by SAHPRA
Covishield - approval granted, but roll-out put on hold; **Moderna** – no submission made to SAHPRA yet
Western Cape Vaccine Acquisition continues; influenced by **SAHPRA approval** and **supplies availability**

Potential SA portfolio of COVID-19 vaccination sites



Phase 2 modelling of clients, vaccinators and duration

VACINATORS REQUIRED FOR PHASE 1		METRO DISTRICT					RURAL DISTRICTS				PROVINCE
		KMSS	KESS	NTSS	SWSS	Cape Winelands	Central Karoo	Garden Route	Overberg	West Coast	
No. of HCW to vaccinate		These figures are being updated based on the revised total number of health workers									131 264
No. of vaccinator days (50 vaccines/day)											2 626
NO. OF VACCINATORS REQUIRED IF 1 WEEK											376
VACINATORS REQUIRED FOR PHASE 2		METRO DISTRICT					RURAL DISTRICTS				PROVINCE
		KMSS	KESS	NTSS	SWSS	Cape Winelands	Central Karoo	Garden Route	Overberg	West Coast	
Population over 60 years		93 576	85 919	141 557	157 047	84 818	9 614	80 213	31 820	38 602	723 166
Population 18-59 years with comorbidities		194 401	243 215	215 953	208 958	164 855	9 314	91 416	47 150	6 5821	1 241 084
Number of essential workers/congregate settings		18 432	21 263	21 743	23 106	17 169	1 160	10 398	5 328	8 401	127 000
Total number to vaccinate		306 409	350 397	379 253	389 111	266 842	20 088	182 027	84 298	112 824	2 091 250
No. of vaccinator days (50 vaccines/day)		6 128	7 008	7 585	7 782	5 337	402	3 641	1 686	2 256	41 825
3 OPTIONS BASED ON 4/8/12 WEEK PHASE 2 DURATION											
1	NO. OF VACCINATORS REQUIRED IF 4 WKS	219	250	271	278	191	14	130	60	81	1 494
2	NO. OF VACCINATORS REQUIRED IF 8 WKS	109	125	135	139	95	7	65	30	40	747
3	NO. OF VACCINATORS REQUIRED IF 12 WKS	73	83	90	93	64	5	43	20	27	498

Need to do 30 000 – 40 000/day to cover phase 2 in 3/12.

Vaccine Site Calculator

	XXL Site	XL Site	L site	M site	S Site	Outreach team
Assumptions						
Expected vaccinations /day	2 000	750	500	300	100	50
Number of operating days	20	20	20	20	20	12
Number of vaccinations /vaccinator /day	50	50	50	50	30	20
Vaccinators required per site per day	40	15	10	6	3	2.5

Projected							Total
Number of Sites	4	4	4	4	20	12	
Vaccinators /day	160	60	40	24	67	30	381
Vaccinations /day	8 000	3 000	2 000	1 200	2 000	600	16 800
Vaccinations / month	160 000	60 000	40 000	24 000	40 000	7 200	331 200

Vaccine Site Planning: Ensuring an Optimal Mix per area

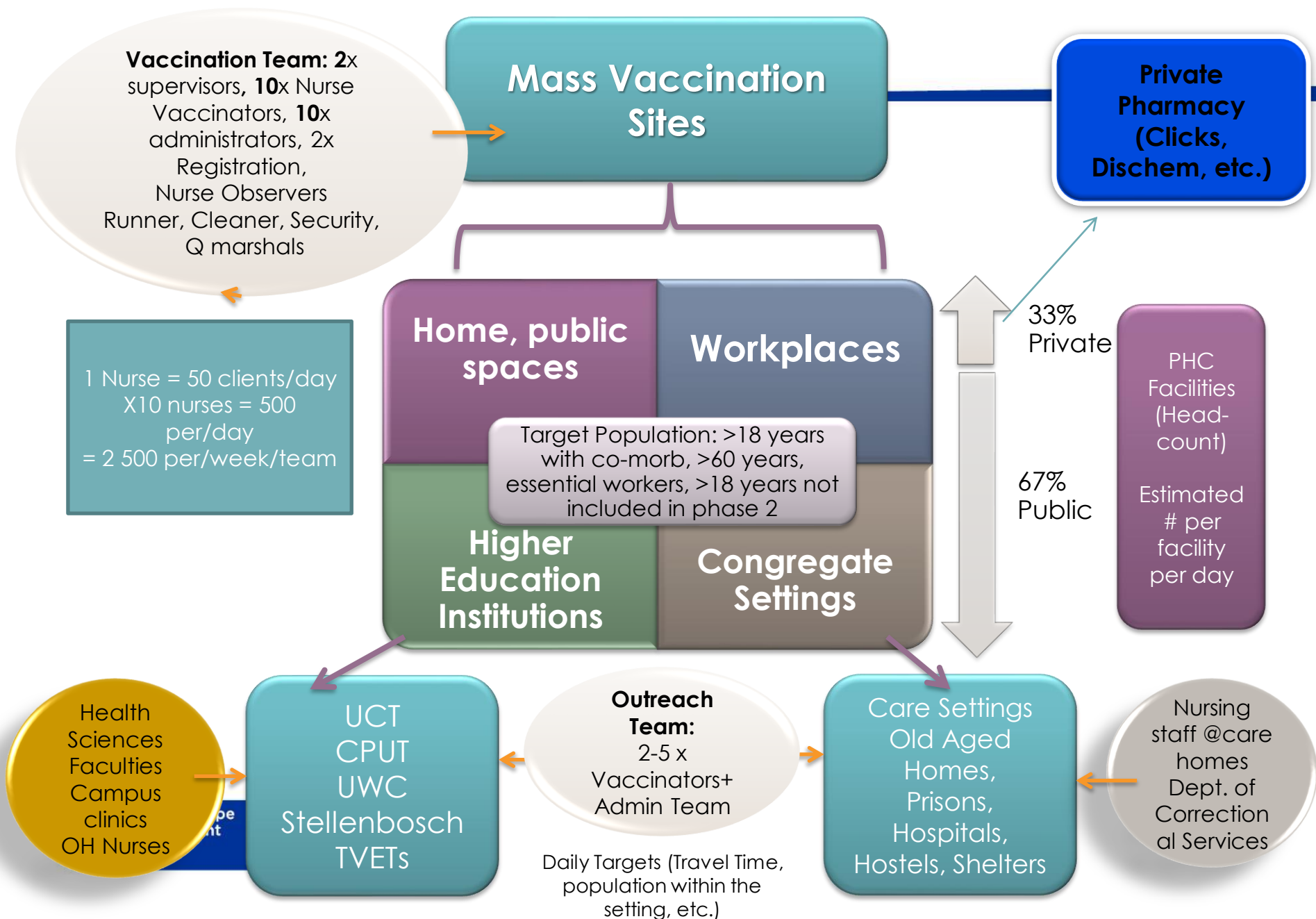
The choice of **vaccination site model** depends on the population distribution, priority groups and projected efficiency.

An **optimal mix** of sites should be selected.

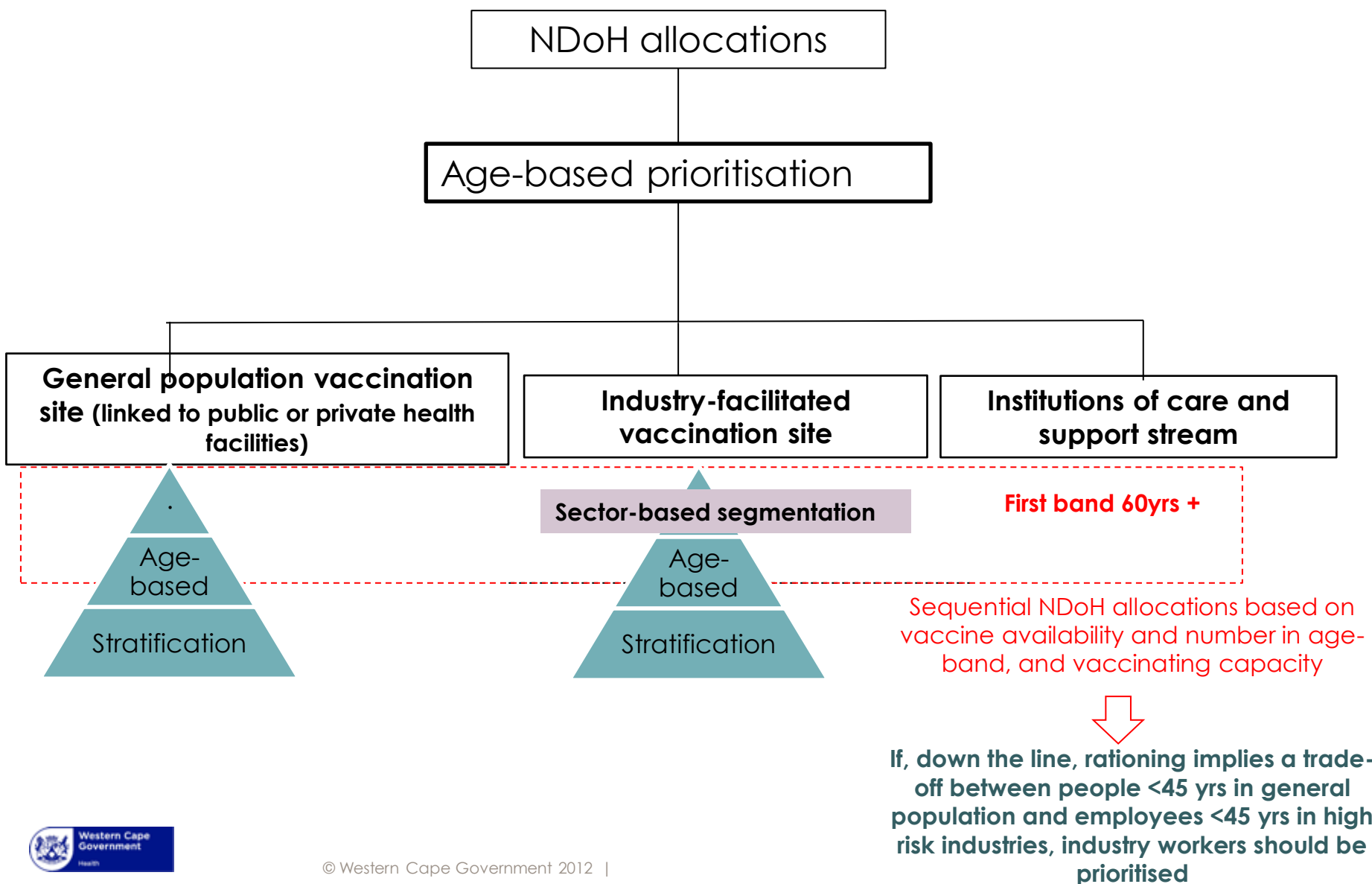
1. **Large:** Mass vaccination site (Propose 4-8 Metro+ 4 Rural)
2. **Medium:** Hospitals, CHCs
3. **Small:** Outreach team, pharmacies, small PHCs

Provincial **Infrastructure Database** of WCG and CoCT facilities is available to inform decision-making and site selection.

Phase 2 & Phase 3 Covid-19 Vaccine Rollout



Proposed NDoH Sequencing of Rollout Across all sites



Conclusions

Concluding remarks

1. Our current situation is one of having **navigated and exited a 2nd wave** with a **clear and consistent** decline in **cases, hospitalisation and deaths**.
2. We move into **heightened surveillance vigilance** and urge everyone to **adhere to protective behaviours to reduce new cases** – while in Level 1, especially over the **coming holiday period**, to avert **an early 3rd wave**.
3. We have to **reflect on our experience over the 1st and 2nd wave** to **learn and to improve** our response for the **coming 12 months**.
4. We require a concerted **whole of government** and **whole of society response** to **mitigate the impact** of the **3rd wave**.
5. We have to **significantly scale up** the **implementation of vaccines over the coming months** as the **key drive against COVID** over the coming months.

Thank you