



**Western Cape
Government**

Health

Digital Press Conference

Health Update

Dr K Cloete

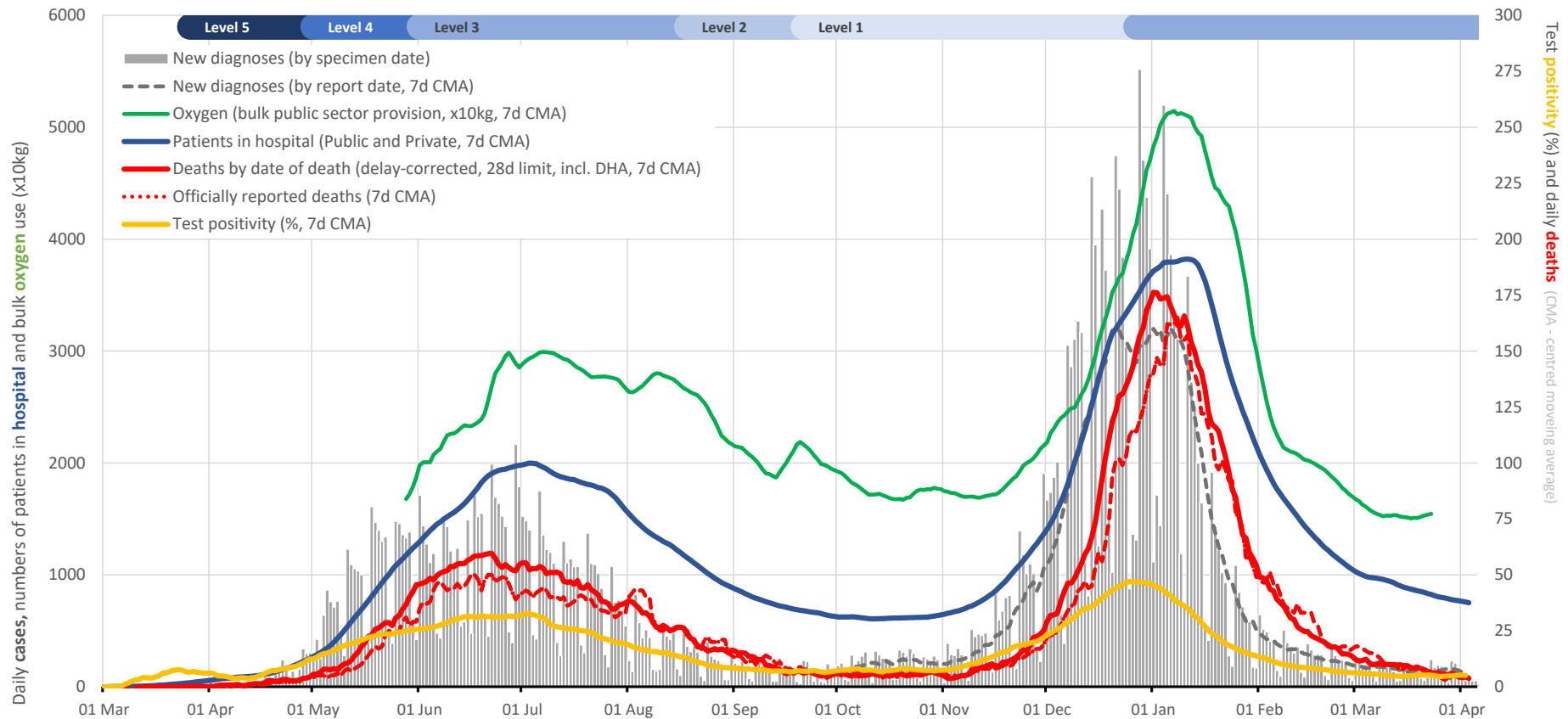
8 April 2021

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

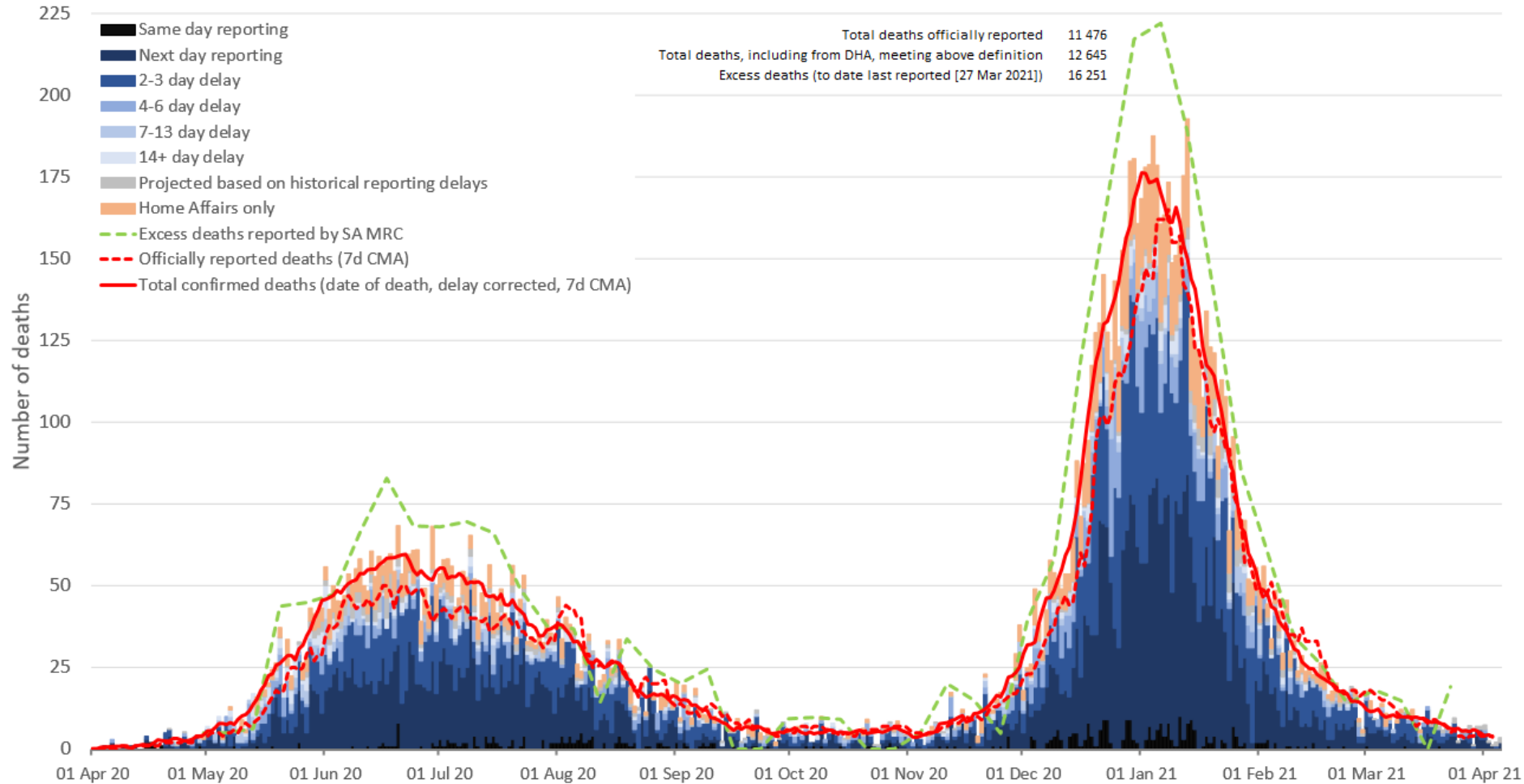
Surveillance & Response Update

Integrated testing, case, hospitalisation and mortality trends



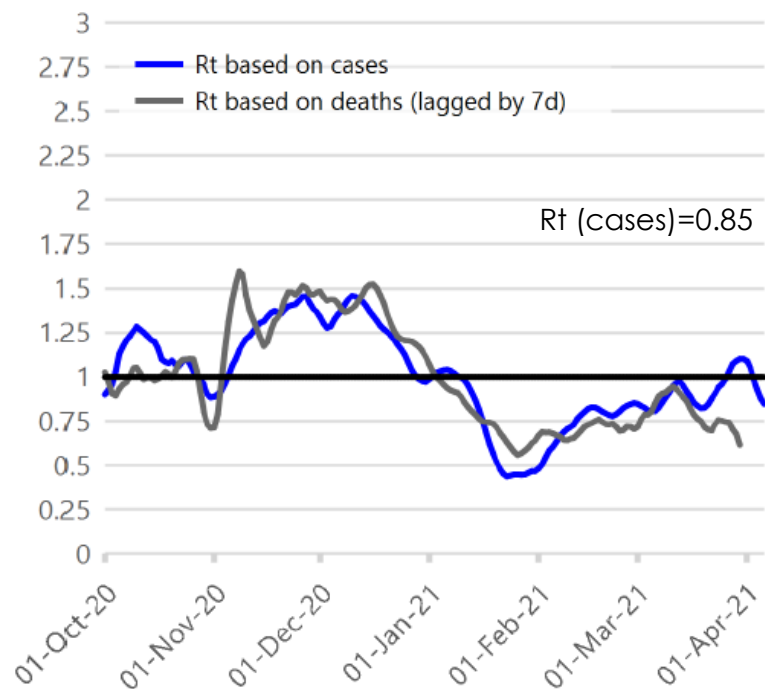
Mortality by date of death

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)

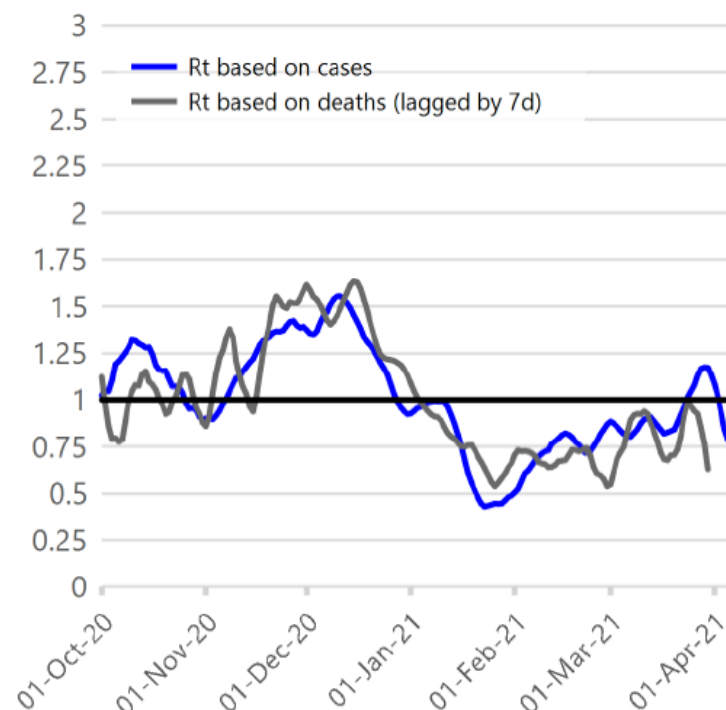


Current reproduction number

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 Update

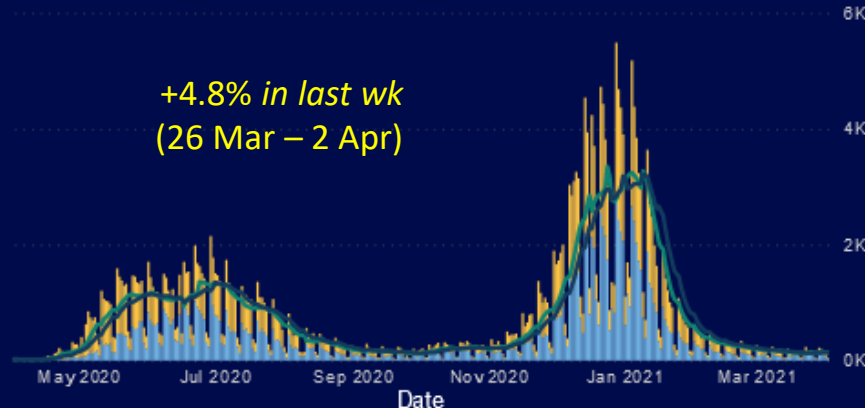
Tuesday, 06 April 2021



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

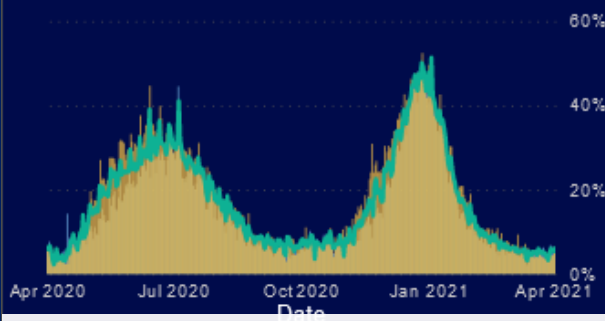
4/1/2020 4/2/2021

Date of Death

4/1/2020 4/2/2021

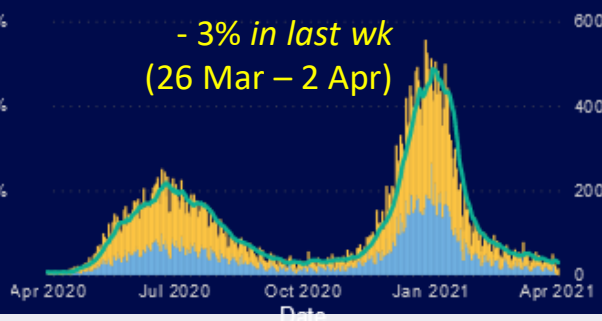
Proportion Positive and Overall Positivity by Date and Sector

Sector ● Private/Other ● Public — Overall Positivity



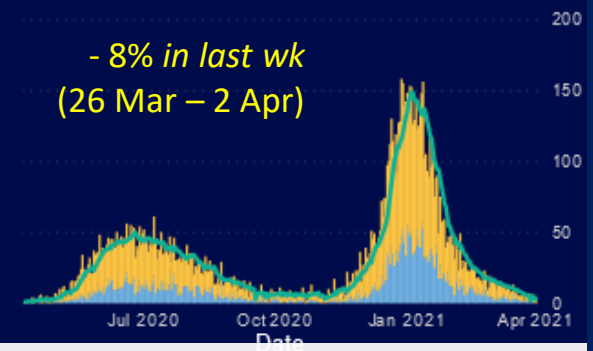
No. of Admissions and 7 Day MA by Date and Sector

Sector ● Private ● Public — 7 Day MA



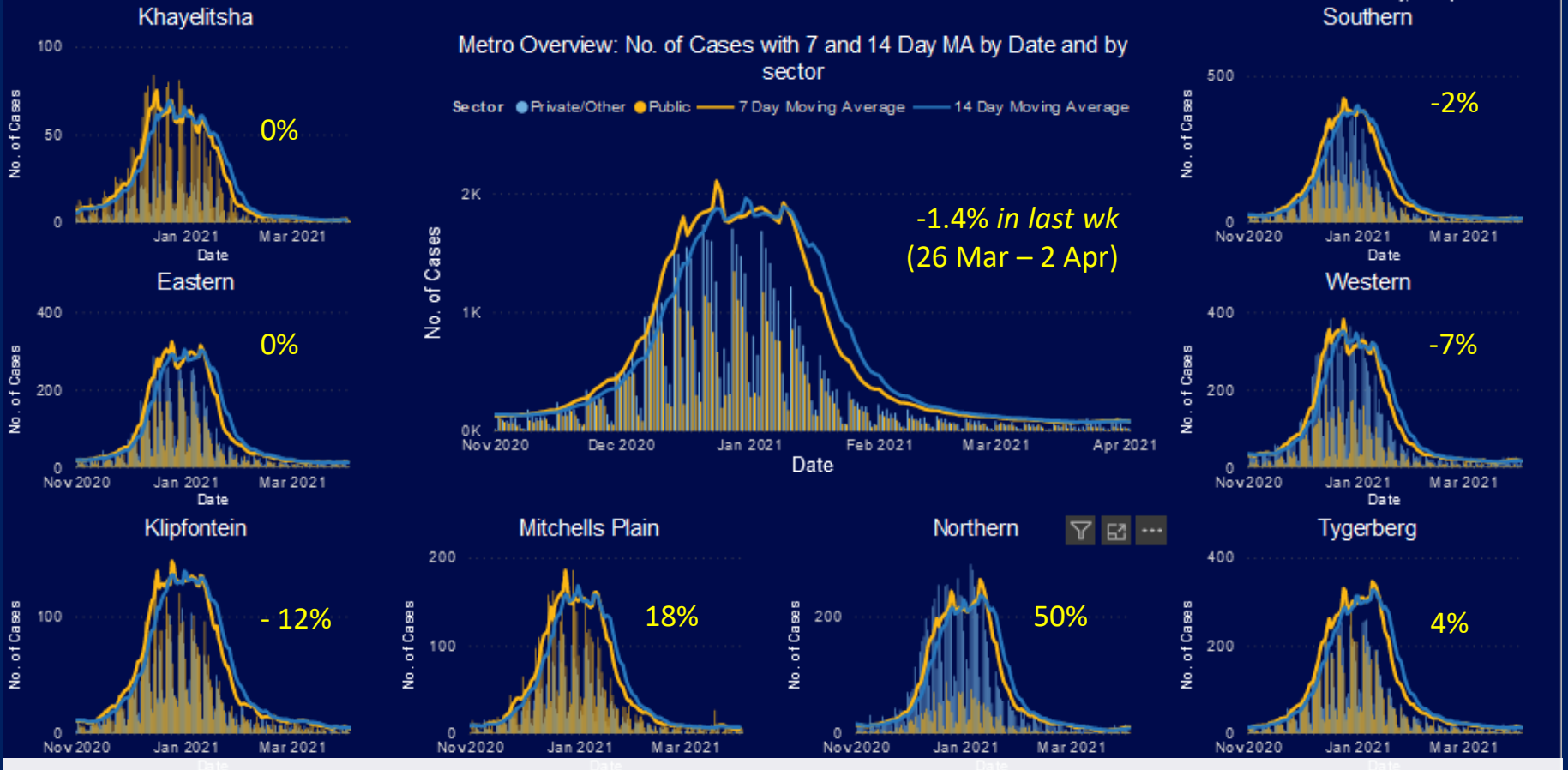
No. of Deaths and 7 Day MA by Date and Sector

Sector ● Private/Other ● Public — 7 Day MA



Provincial Overview

- New COVID-19 cases have essentially plateaued out, but we were still diagnosing 130-140 new cases each day last week.
- Admissions and deaths continue to decrease slowly, with a 3% and 8% weekly decrease. Using the 7-day moving average, on 2 April, we had 30 new admissions and 3 deaths each day.
- The proportion positive has increased slightly to 6.1% (2 April), but this is due to reduced testing on public holidays, and not an increase in actual cases.



Metro Overview

- Cases in the Metro are largely unchanged from 26 March – 2 April 2021.
- The percentage change varies across the sub-districts, but the absolute numbers involved are relatively small.
- With the public holidays affecting testing patterns, it also makes interpretation of week on week changes difficult (as comparing a week with 5 weekdays of testing, to a week with 3 or 4 weekdays of testing).



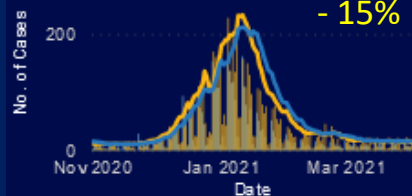
11/1/2020

4/2/2021

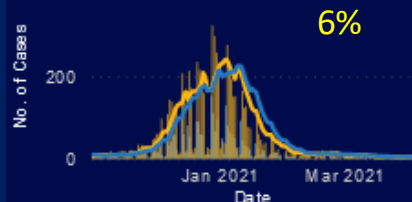
Rural Resurgence Overview

Health Impact Assessment
WC Department of Health
Last Updated:
Tuesday, 06 April 2021

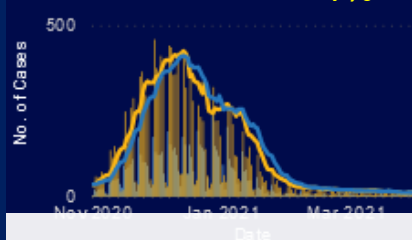
West Coast



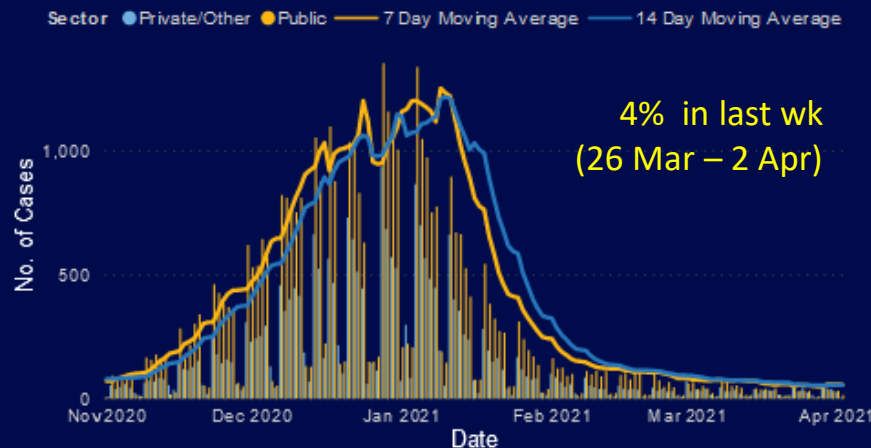
Overberg



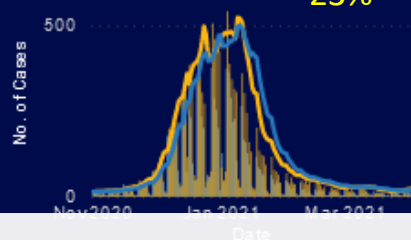
Garden Route



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



Cape Winelands



Central Karoo



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

● <7 days ago ● 7-14 days ago

Rural Subdistrict	<7 days ago	7-14 days ago
Drakenstein	45.85%	54.35%
Stellenbosch	35.71%	64.29%
Bergervier	42.19%	57.81%
Breda Va...	38.71%	61.29%
George	41.87%	58.33%
Saldanha ...	28.00%	72.00%
Swartland	25.81%	74.19%
Matikama		84.62%
Oudtshoorn	41.87%	58.33%
Overstrand	27.27%	72.73%
Theewate...		76.19%
Beaufort ...	25.00%	75.00%
Langeberg	40.00%	60.00%
Mossel Bay	27.78%	72.22%
Witzenberg	35.29%	64.71%
Cederberg		86.67%
Knysna	46.15%	53.85%
Bitou	54.55%	45.45%
Hessequa	44.44%	55.56%
Cape Agu...	57.14%	42.86%
Swellend...	42.86%	57.14%
Kannaland	50.00%	50.00%
Prince Alb...	100.00%	

Proportion of Cases

Rural Overview

- Cases numbers in Rural are slightly increased. A 4% increase was seen from 26 March to 2 April 2021.
- There is a wide variation across the districts, but the absolute numbers are small.
- Cape Winelands is seeing an increase in cases among young people (under 30 years). Clusters at Stellenbosch University are being monitored and are now mostly under control.

6 April 2021

Surveillance Huddle Report



Metro

KESS	<ul style="list-style-type: none"> Case numbers down, admissions and deaths down Hoping this remains as is
KMPSS	<ul style="list-style-type: none"> Case numbers decreased Watching the situation carefully
NTSS	<ul style="list-style-type: none"> Decrease in case numbers and admissions
SWSS	<ul style="list-style-type: none"> Week on week increasing slightly last 2 weeks 40% of Metro cases in SWSS, but 31% of cases private 4-5% test positivity, need to check if all Antigen testing being captured Shipping cases continue Spanish Tour Group – 8 asymptomatic cases tested positive prior to flight back

Rural

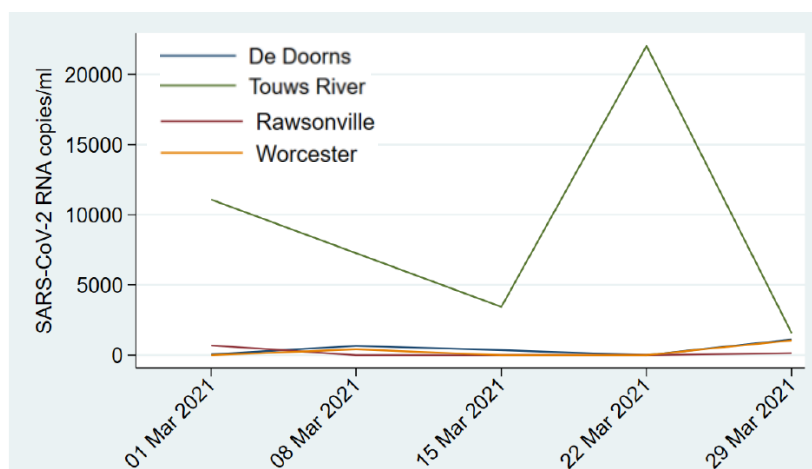
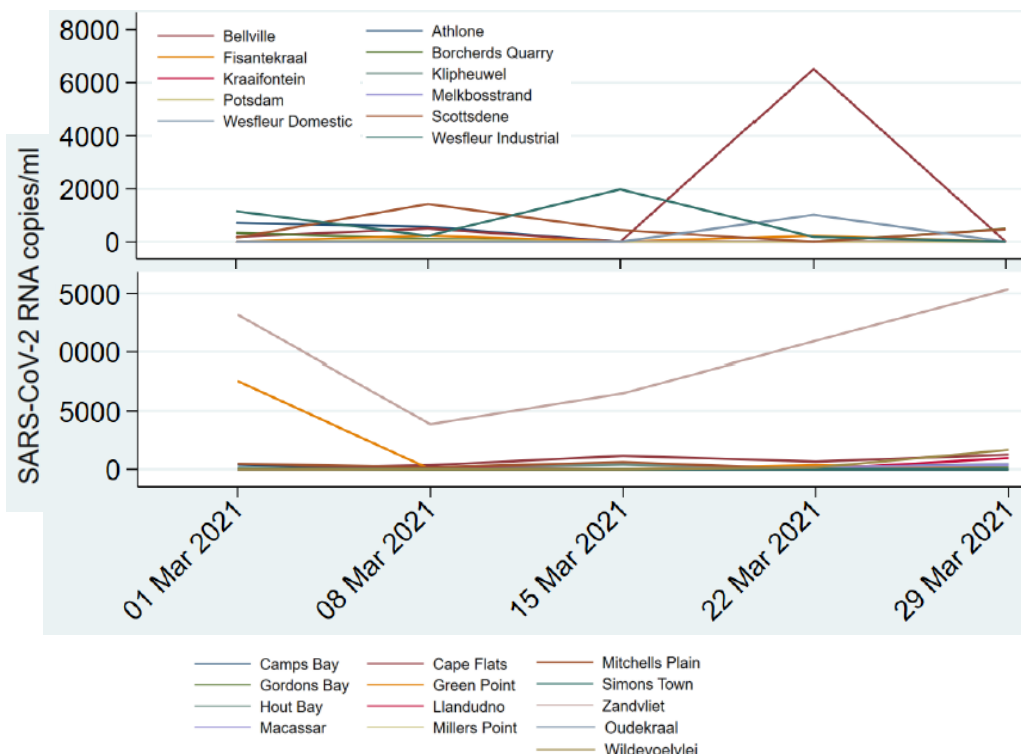
Cape Winelands	<ul style="list-style-type: none"> Increase in cases in 16-25 year age groups in CWD, probably associated with students Breede Valley/Drakenstein: increase in last week, but low absolute numbers, no clusters Stellenbosch – low testing over weekend. Cluster at student residence Huis Visser (5 cases) – liaising with University, all cases in isolation, close contacts been followed up. Metanoia and Academia residences quiet now. Majority of active cases in Stellenbosch under 30 years
Central Karoo	<ul style="list-style-type: none"> Quiet at the moment, no clusters Only 22 active cases in whole District, Laingsburg has no active cases
Garden Route	<ul style="list-style-type: none"> Slight increase Mossel Bay and Hessequa, but small absolute numbers, mainly 20-30 years, widespread, no clusters George - slight increase, widespread, nothing specific, including no major issues in Thembalethu Hospital admissions down
Overberg	<ul style="list-style-type: none"> a few positive cases over the weekend but no big events that could link positive cases.
West Coast	<ul style="list-style-type: none"> Absolute numbers of cases low High activity in Bergriver, but widespread, farm with 5 positive cases there. Watching situation in Piketberg closely Matzikama – was concerned about possible cluster at wind farm

Triangulating with wastewater

SAMRC COVID- 19 AND WASTEWATER EARLY WARNING SYSTEM

WEEK 13
2021

City of Cape Town, Breede Valley AND Overberg



Breede Valley:

Decrease in SARS-CoV-2 RNA at Touwsriver but still >1000 copies/ml

Noticeable increases to >1000 copies/ml at:

- De Doorns
- Worcester

Theewaterskloof:

No sampling in previous week due to holidays

Metro:

SARS-CoV-2 not detected at 15 treatment plants including Bellville which had a spike the previous week

SARS-CoV-2 very high in Zandvliet (drains Khayelitsha/Blue Downs)

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

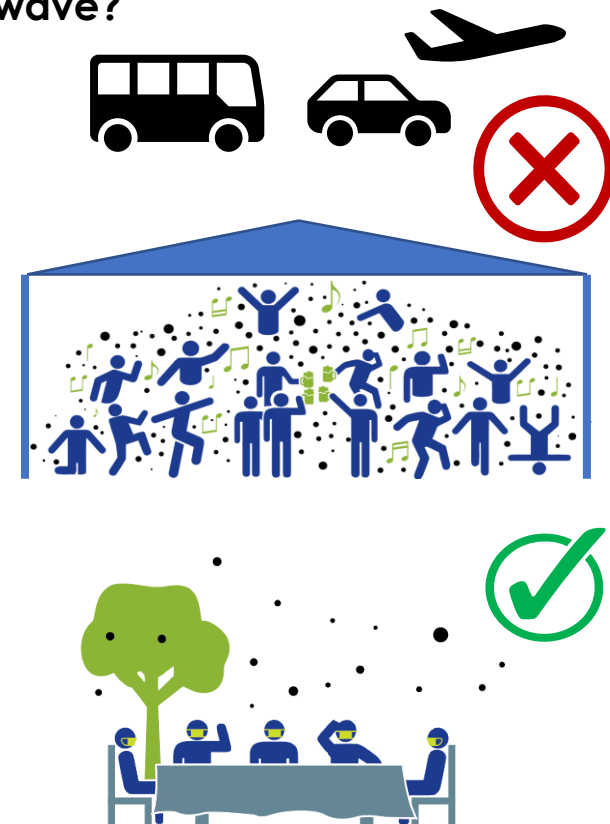
- Wildevoelvlei
- Llandudno

Recommendations for the extended holiday period

1. **Numerous public holidays** and **school 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 **756 COVID patients** in our acute hospitals (**459** in **public** hospitals & **297** in **private** hospitals). This **excludes PUIs** and **cases in specialised hospital** settings.
2. COVID **hospitalisations** have continued **to decline**; the non-COVID service remains busy particularly in the metro [combination of trauma and medical cases].
3. The **Metro hospitals** have an average **occupancy rate** of **87%**; **George** drainage area hospitals at **58%**; **Paarl** drainage area hospitals at **74%** & **Worcester** drainage area hospitals at **71%**.
4. Occupancies in COVID beds show **Metro** hospitals at **10%**; **George** drainage area hospitals at **12%**; **Paarl** drainage area hospitals at **20%**; **Worcester** drainage area hospitals at **17%**.
5. **COVID & PUI cases** currently make up **5%** 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 **10** patients (3 296 cumulative patients), **Freesia & Ward 99** has **0 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 **1 decedent (cumulative total of 1389 bodies)** admitted. The overall capacity has been successfully managed across the province.

Acute Care Availability & Utilisation per Drainage Area



WCDOH: Daily Operational Bed Status Dashboard as at 07/04/2021

Drainage Area	Filled Beds					BUR % for Designated Covid Beds(General Wards)	BUR % for Designated Covid Beds(Critical Care)
	Operational Beds		BUR %	COVID BUR %	% Covid patients		
Cape Town /Metro	5,041	4,374	87%	10%	4%	10%	21%
George	918	531	58%	12%	7%	13%	
Paarl	940	692	74%	20%	8%	20%	17%
Worcester	781	554	71%	17%	11%	16%	33%
SubTotal WCDOH	7,680	6,151	80%	12%	5%	12%	20%

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 **24 tons/day** or **34.29% 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 **15.46 tons/day, or 21.42 %** 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 Mar 2021-06 April 2021)

Easter usually sees increased trauma presentations.

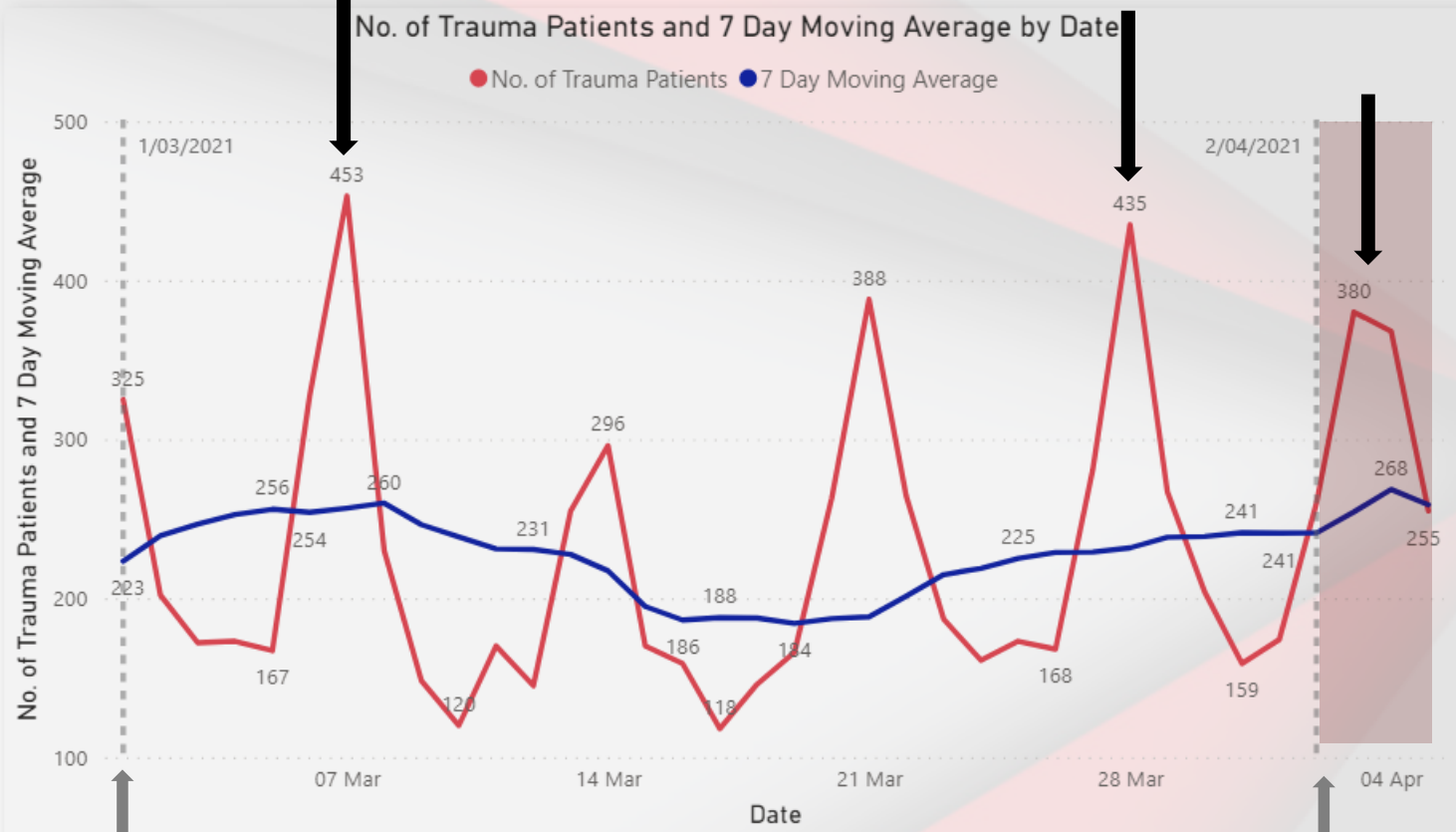
This year on Easter Weekend we saw a blunting of the number of trauma presentations.

Relative to the previous 4 weekends, it had the second lowest number of peak trauma presentations.

The 7-day Moving Average over Easter Weekend saw similar numbers to the previous month i.e. during the same time in March 2021.

WC Sentinel Trauma Report

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



01 Mar 2021
Limited to no alcohol restrictions

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

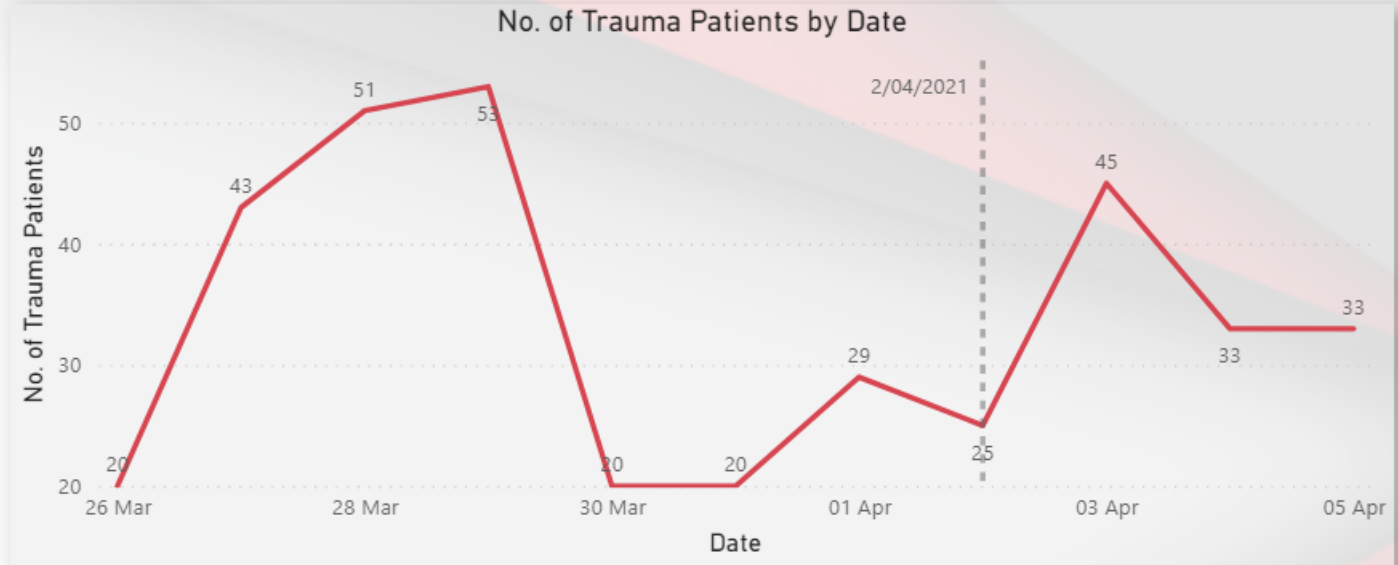
01 Mar 2021
Limited alcohol restrictions

- Nighttime curfew 00:00-04:00
- Fri-Mon Easter Weekend restriction in terms of retail sale of alcohol

Source: **HECIS**
Health & Emergency Centres Injury Surveillance System

WC Sentinel Trauma Report

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



Overview of the impact of recent alcohol regulation changes on road traffic accident presentations (26 Mar 2021-06 April 2021)

167

No. of Trauma Patients

26 Mar – 29 Mar 2021
Limited to no alcohol restrictions

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



-18.6%

136

No. of Trauma Patients

02 April – 05 April 2021
Partial alcohol restrictions reinstated for Easter weekend

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

When comparing the weekend prior to Easter weekend where there was limited to no alcohol restrictions to Easter weekend where limited restrictions were instituted we saw a ~19% decrease in Road Traffic Accident patient presentations. This shows the impact of upstream regulation in making our roads safer.

Source: **HECIS**
Health Emergency Centre Information System

Date

26/03/2021

5/04/2021



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

DEPARTMENTAL OVERVIEW HEALTHCARE WORKERS INFECTED WITH COVID-19



Totals as at 08 Apr 2021

Cumulative Infections

8,867

-



8,727

-



124

=

Active Cases

16

Doctors



807

Nurses



3,978

Radiographers



109

Pharmacists



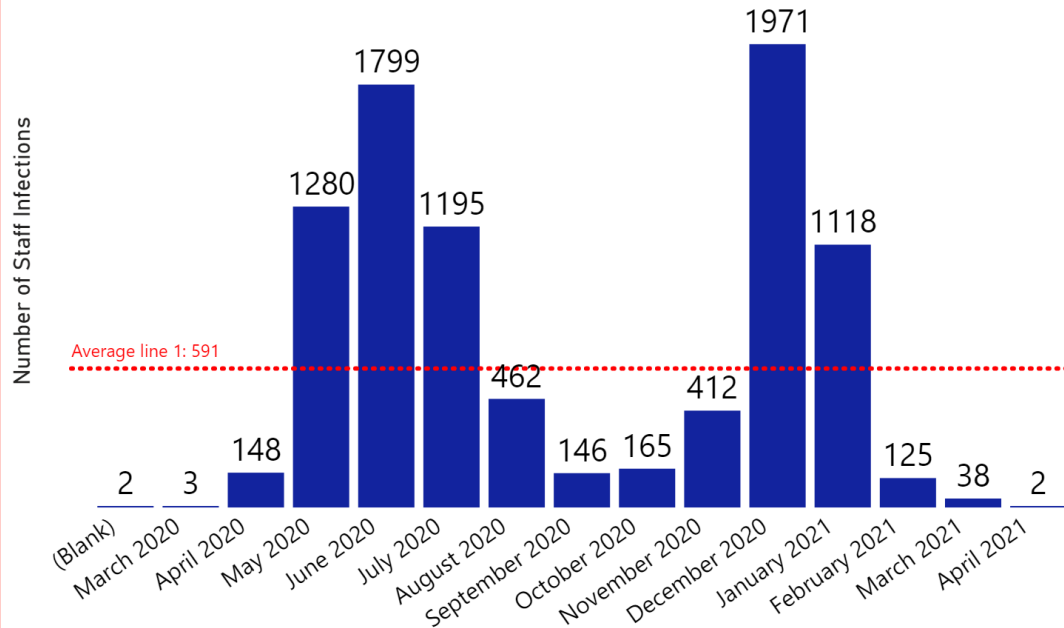
84

Other
Categories

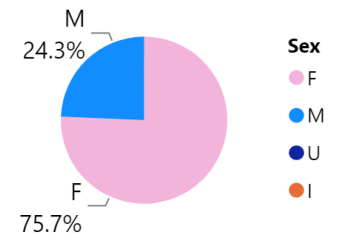


3,889

Healthcare Workers Infections by Month



Gender Distribution by Sex



DEPARTMENTAL OVERVIEW

HEALTHCARE WORKERS INFECTED WITH COVID-19 -DAILY TRENDS

Totals as at 08 Apr 2021

Cumulative Infections

8,867

-



8,727

-



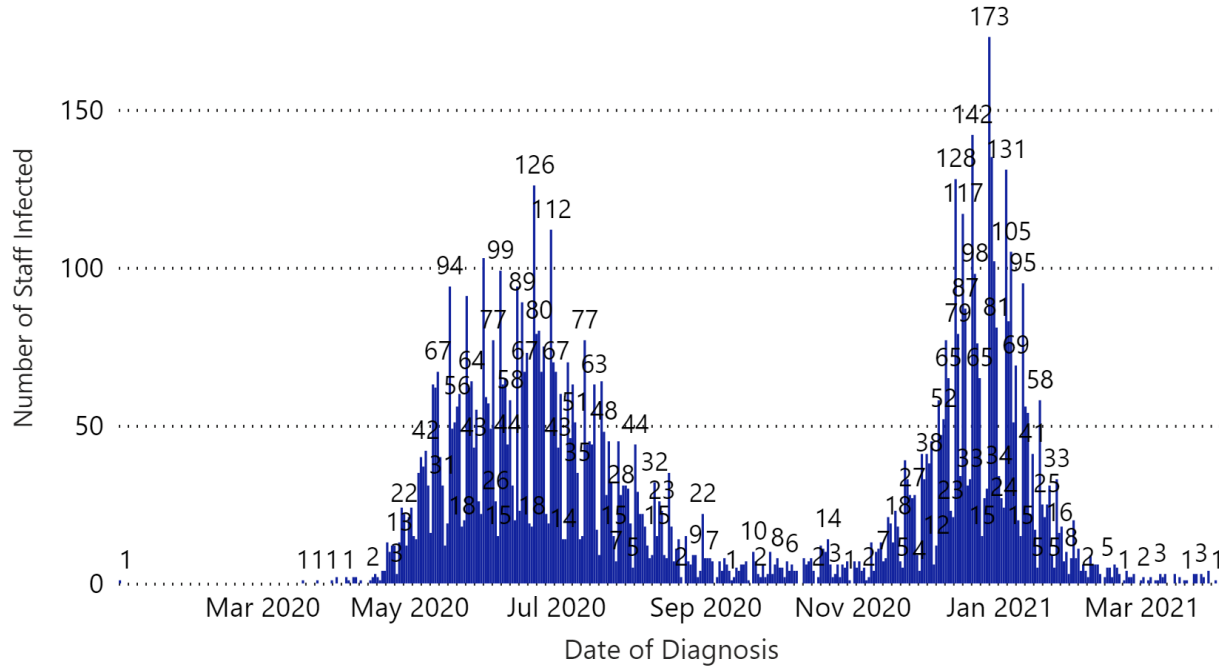
124

=

Active Cases

16

Daily Staff Infection Trends



Doctors



3

Nurses



4

Radiographers



1

Pharmacists



1

Other
Categories

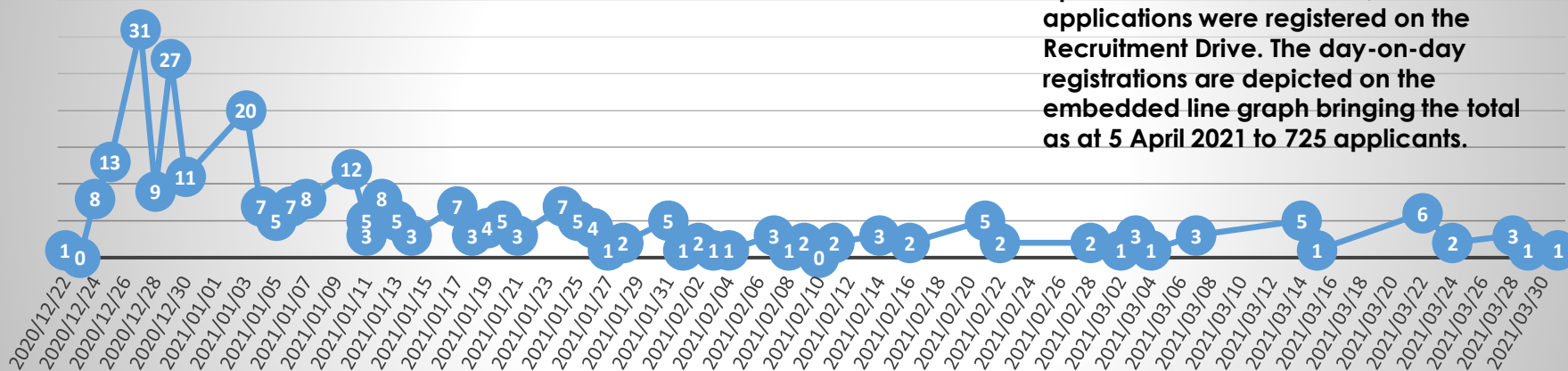


7

High Level Summary on Recruitment Drive

Number of new entries on the Recruitment Drive

Up until 21 December 2020, a total of 438 applications were registered on the Recruitment Drive. The day-on-day registrations are depicted on the embedded line graph bringing the total as at 5 April 2021 to 725 applicants.



Category of HCW	Possibly Available	Appointed on PERSAL
MO	163	26
Enrolled Nurse(EN)	100	19
Enrolled Nursing Auxiliary (ENA)	111	24
Not Indicated	33	7
Professional Nurse	132	61
Professional Nurse with Specialty	41	8
	580	145

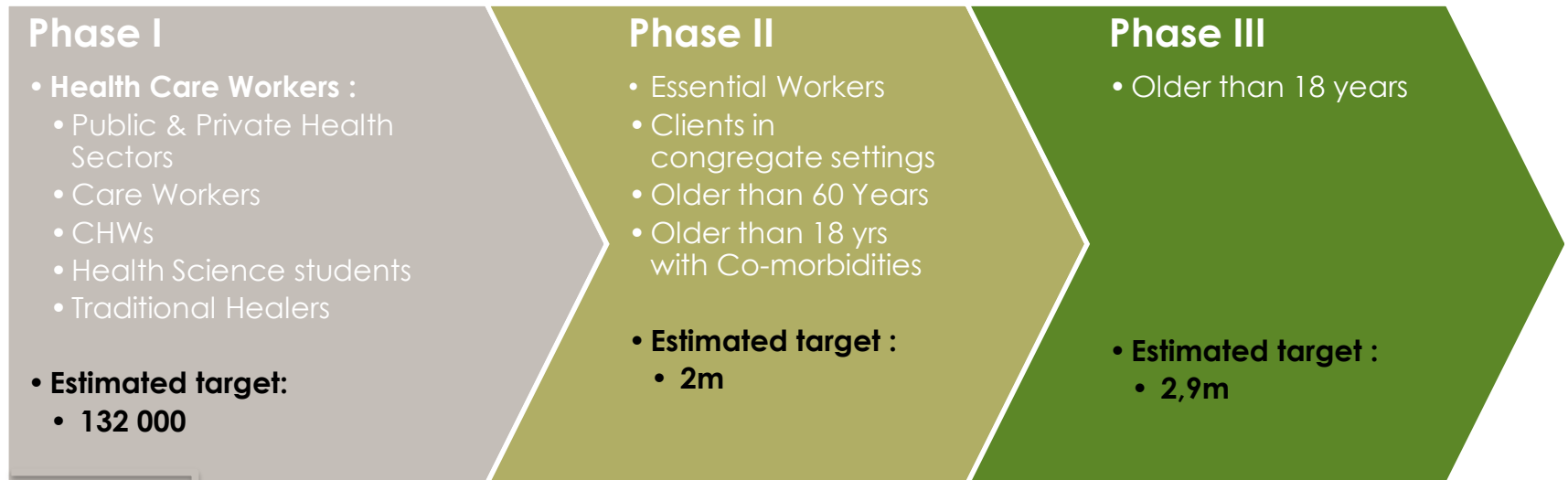
Institutions have made 48 Offers to the following categories of staff:

OSD-Category Rank	Filled	Reserved Posts	Grand Total
Allied Health	21	2	23
Doctors	67	1	68
Nursing	602	39	641
Pharmacists	5		5
Pharmacists-Assistant	9		9
Social Workers	5		5
Admin and Related	125	6	131
Grand Total	834	48	882

There are currently 834 filled posts across the platform for additional COVID posts, 48 offers are pending finalization which will bring the total to 882. Of the 725 Recruitment Drive applicants, 145 has thus far been appointed on PERSAL. The balance of which 580 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 **more than 60% 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 **mid-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 received **54 068 doses** of the **initial 300 000 vaccines**.
2. The **final tranche** from the additional 200 000 doses is expected on 10th or 11th April 2021. The province will receive **36 240 doses**.

Tranche 1 (17 – 28 February 2021)

13 160

+

Tranche 2 (01 – 15 March 2021)

13 068

+

Tranche 3 (16 – 28 March 2021)

18 080

+

Tranche 4 (29 March – 10 April 2021)

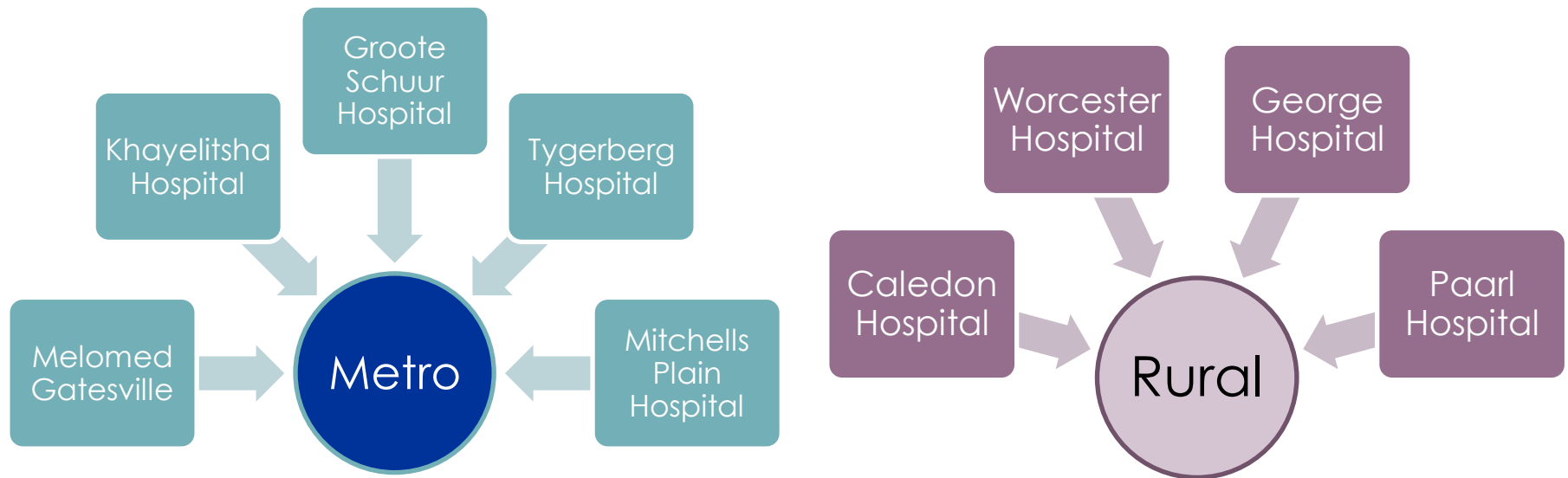
9 760

Tranche 5 (12 – 30 April 2021)

36 240

3. A total of 90 308 doses will be received via the Sisonke Programme – sufficient doses to cover 68% of healthcare workers.
4. As at **07 April 2021**, a total of **52 202** health care workers have been vaccinated in the province (public and private sectors).

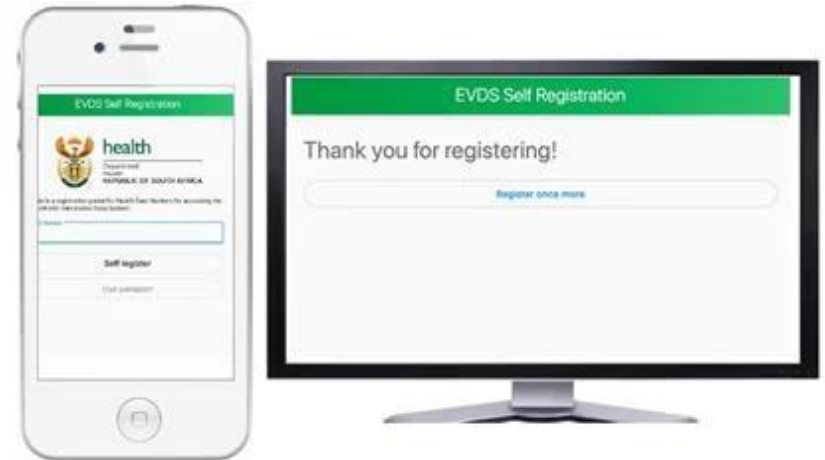
Vaccine Update: Sites



- 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.

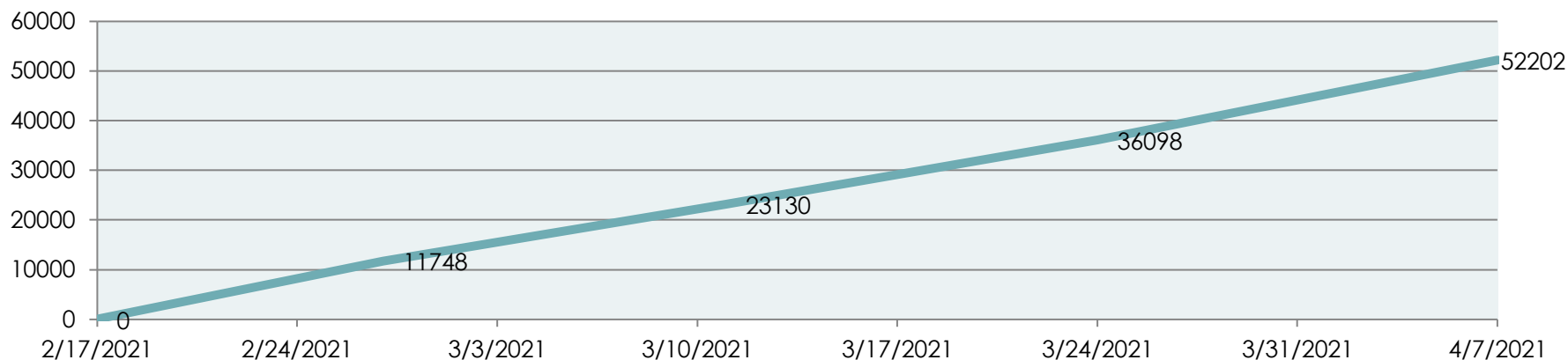
Vaccine update: Implementation

- 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.

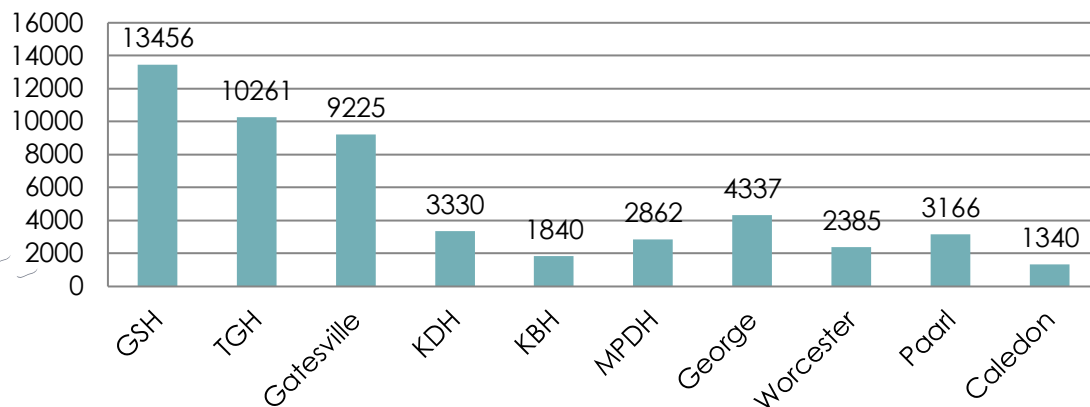


Vaccine Update: Healthcare workers vaccinated

**Number of healthcare workers vaccinated:
17 February to 07 April 2021**



**Number of healthcare workers
vaccinated per site**



Vaccinator Database (as at 07 April 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"/> Metro <input type="checkbox"/> Metro Health Services <input type="checkbox"/> NHLS	<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"/> Alnet LTD <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	<div>4489</div> <div>total Vaccinators</div>		
			<div>2416</div> <div>total Trained</div>		
			<div>501</div> <div>Doctors</div>		
			<div>2207</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:

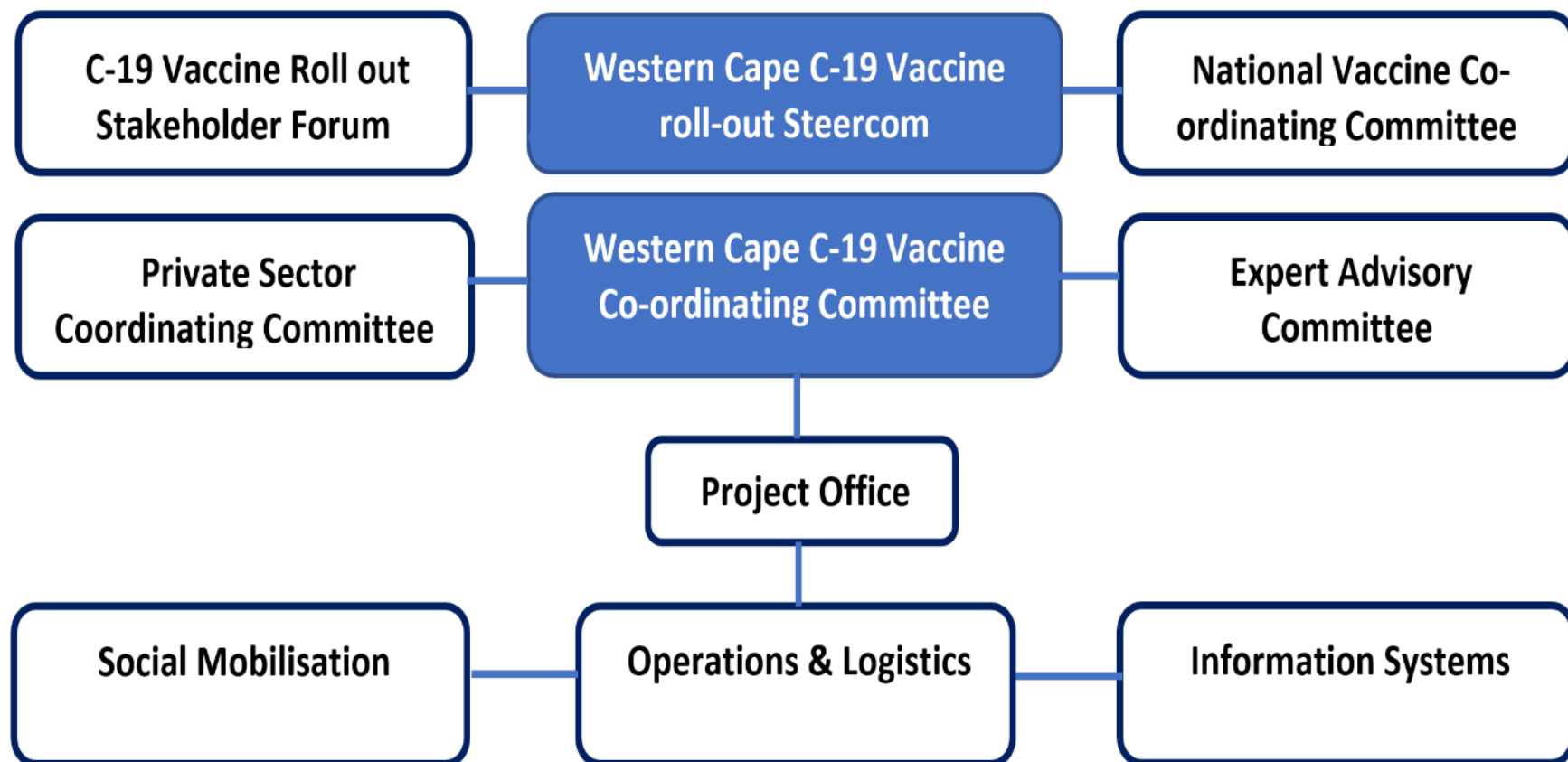
- High-level leadership & commitment
- Information Systems: Scheduling / Appointments, Monitoring, Reporting
- Effective Communications and Citizen Engagement to obtain buy-in and trust
- Patient centred, highly organised and efficient logistics



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

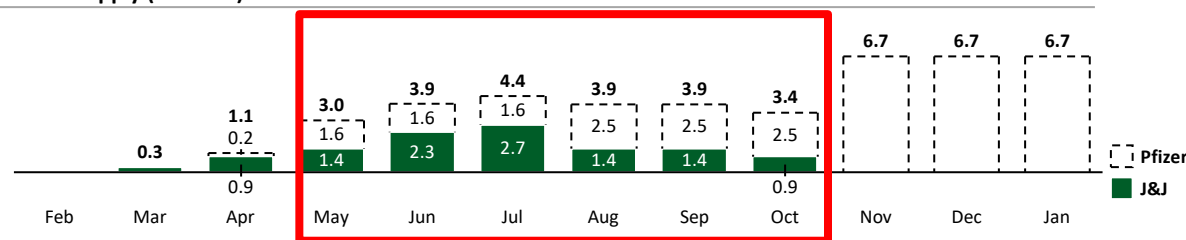
Revised Governance arrangements for Phase 2 roll out



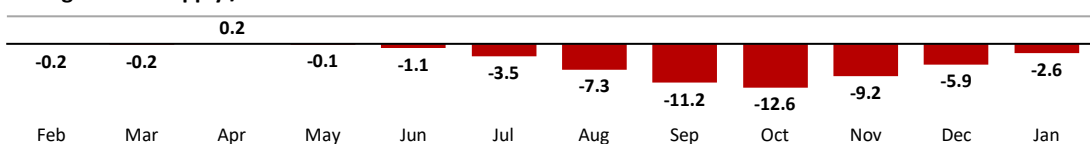
National Supply Pipeline - Accelerating the delivery of the J&J vaccines and securing the Pfizer vaccines could save >48k lives and relieve pressure on the healthcare system

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

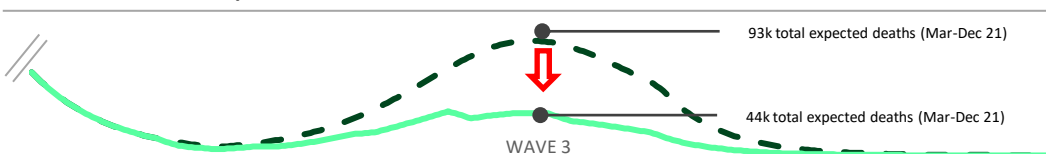
Vaccine Supply (m doses)



Rolling vaccine supply / demand balance in # individuals¹



Incremental deaths expected



 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

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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

SAHPRA Approvals

Application submitted to SAHPRA for market authorization



Name	Date of Submission	Status
J&J Ad-26	11/12/2020-Part1 of Rolling review	Under review
	08/02/2021 Part 2 of Rolling review	In Evaluation of rolling review 2
	03/03/2021 part 3 of rolling review	Rolling review pack 3 submitted (Outstanding documents as submitted to EMA submitted to SAHPRA on 17/03/2021)
Pfizer/Biontec Comirnaty	08/01/2021 Verification review	SAHPRA commenced full review
Sputnik V (Lamar Pharma)	23/02/2021 (rolling)	Under review
Sinovac-Coronavac (Curanto Pharma)	10/03/2021	Under review

Western Cape vaccine acquisition - Update

1. Process followed by acquisition team:

- a) Standard SCM process followed for all unsolicited bids
- b) 28 individuals/entities provided specific details, as requested
- c) Each submission has been evaluated accordingly, with due diligence

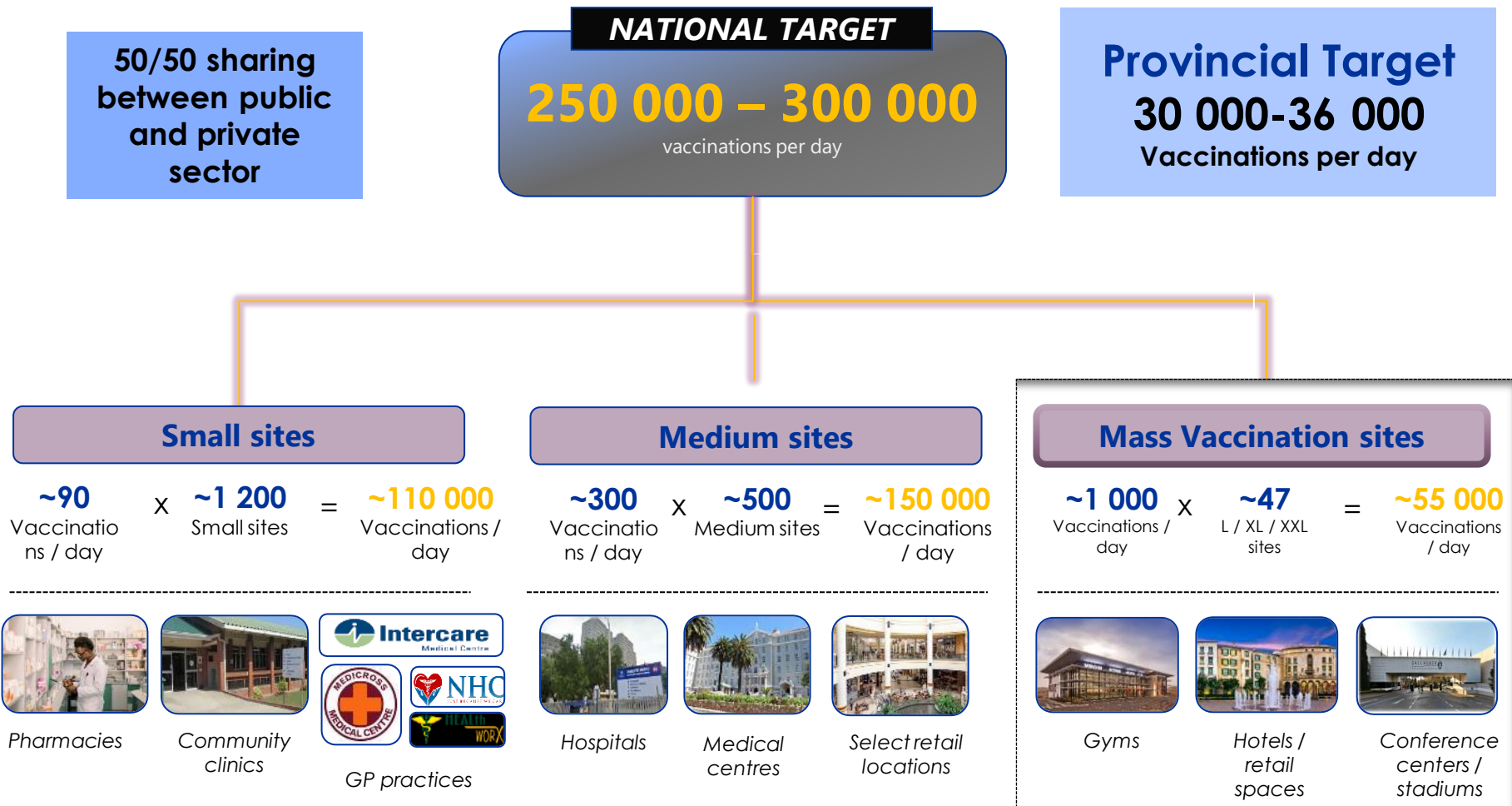
2. Approaches to suppliers/ manufacturers:

- a) J&J – replied that they will supply to NDoH at this stage
- b) Pfizer - replied that they will supply to NDoH at this stage

3. Next steps:

- a) Continue with targeted RFI process, with view to acquire by August 2021
- b) Specific follow-up with foreign governments should be explored by DoTP
- c) Engage with private sector through the existing WCG Public-Private platforms
- d) Document the liability and no-fault provisions likely, and assess options for WCG in this regard

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/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

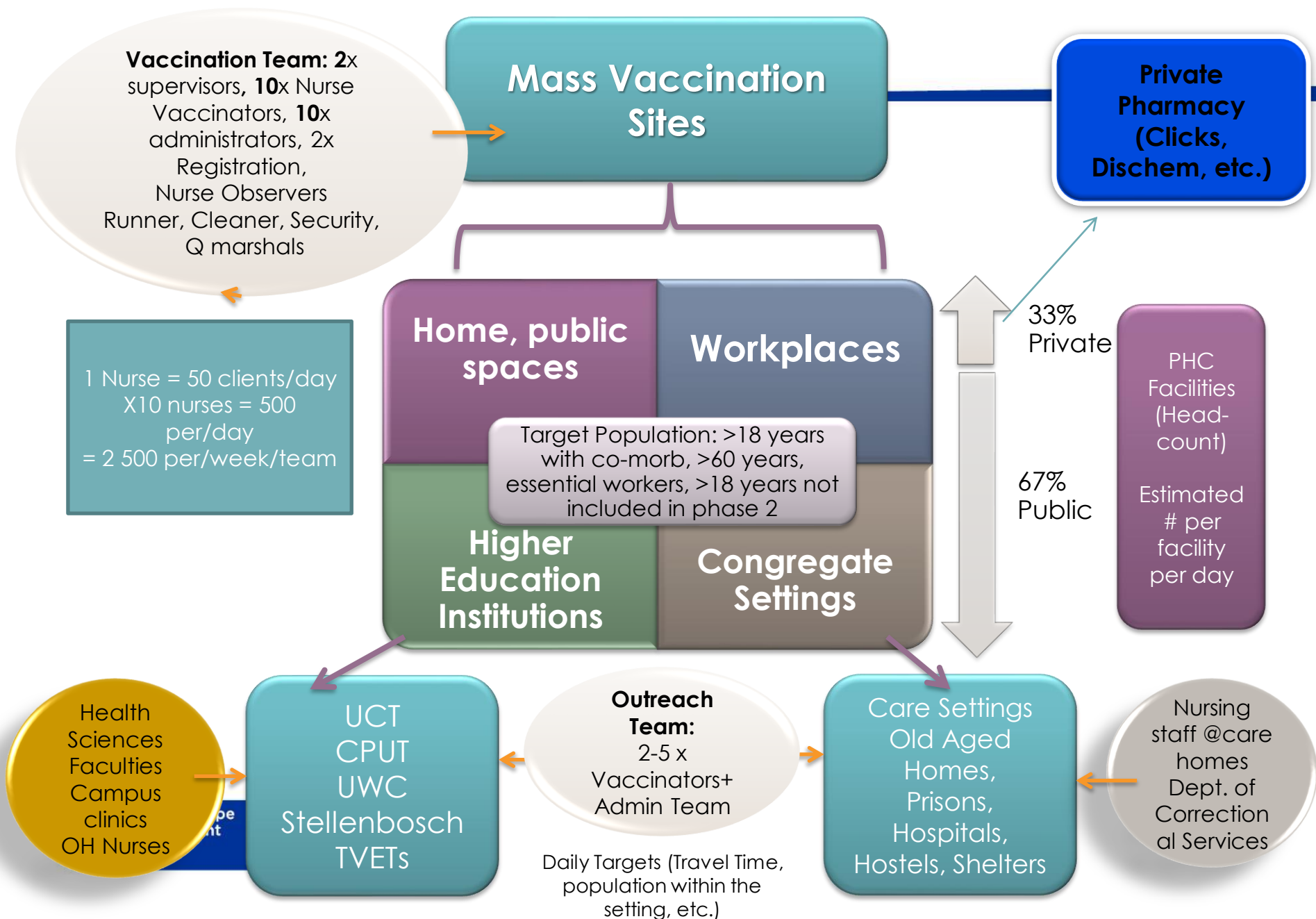
The choice of **vaccination site model** depends on the population distribution, priority groups and projected efficiency.

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

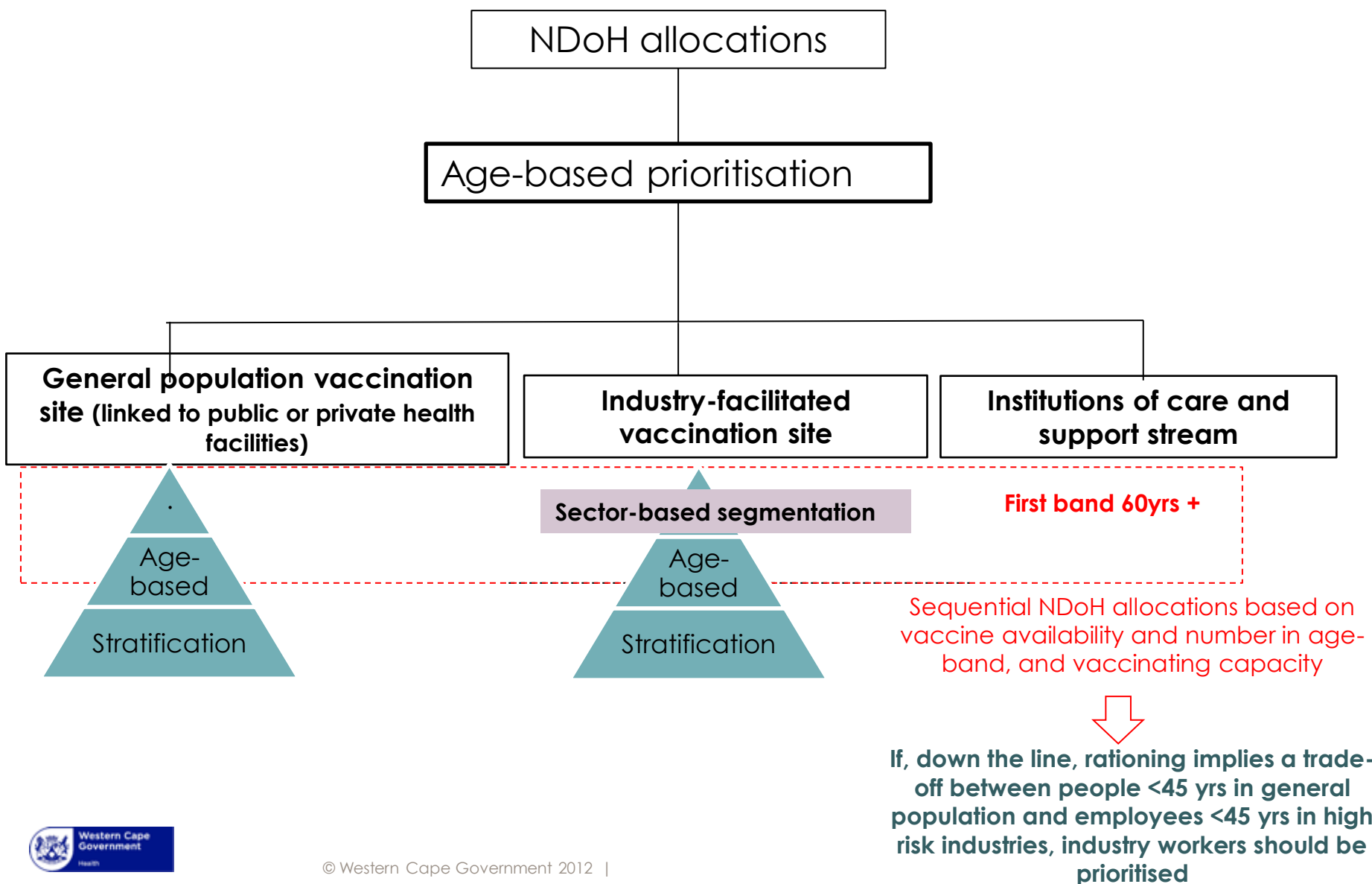
1. Large: Mass vaccination site (Propose 4-8 Metro+ 4 Rural)
2. Medium: Hospitals, CHCs
3. Small: Outreach team, pharmacies, small PHCs

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