



**Western Cape
Government**

Health

Digital Press Conference

Health Update

Dr K Cloete

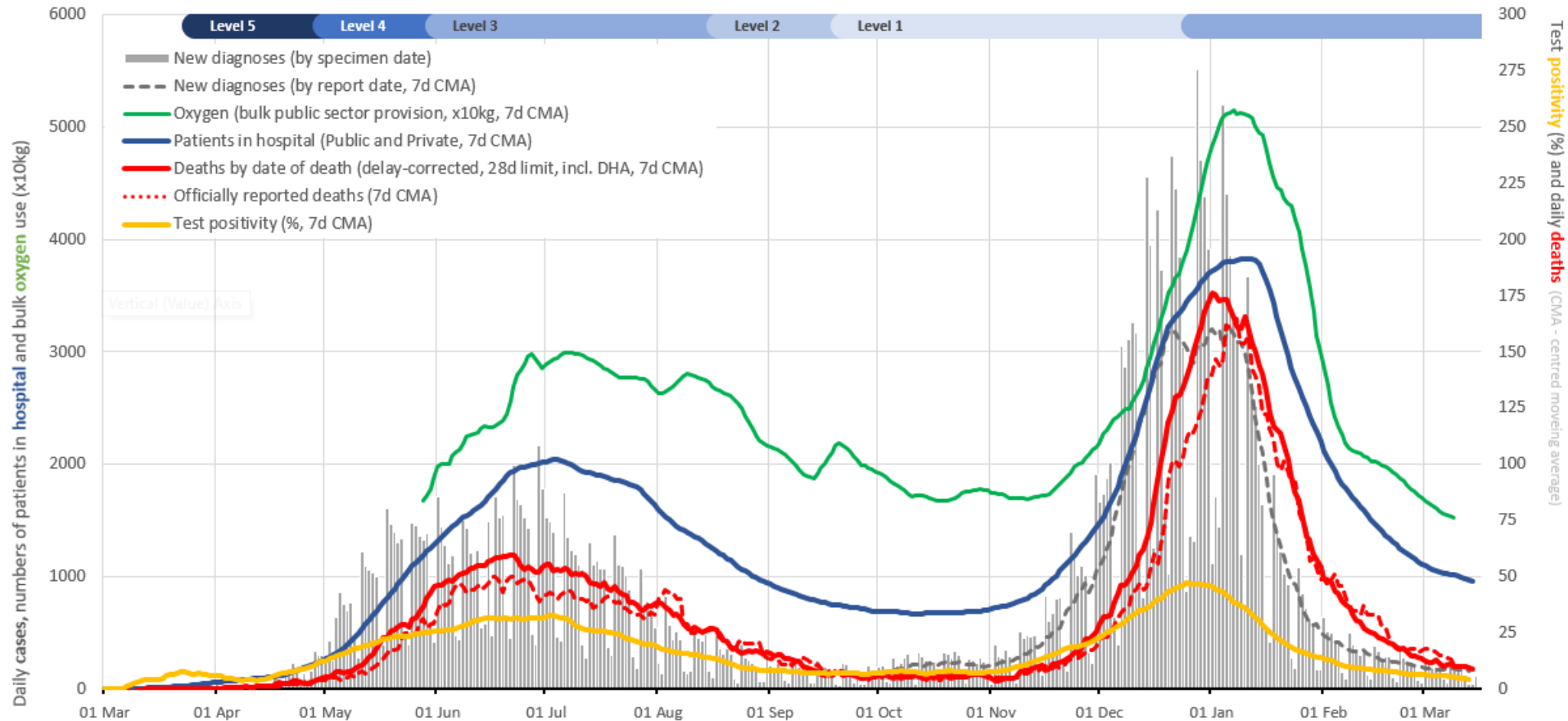
18 March 2021

Overview

1. Surveillance & Response Update
2. Health platform COVID response
3. Well-being of health care workers
4. Vaccine strategy
5. Conclusions

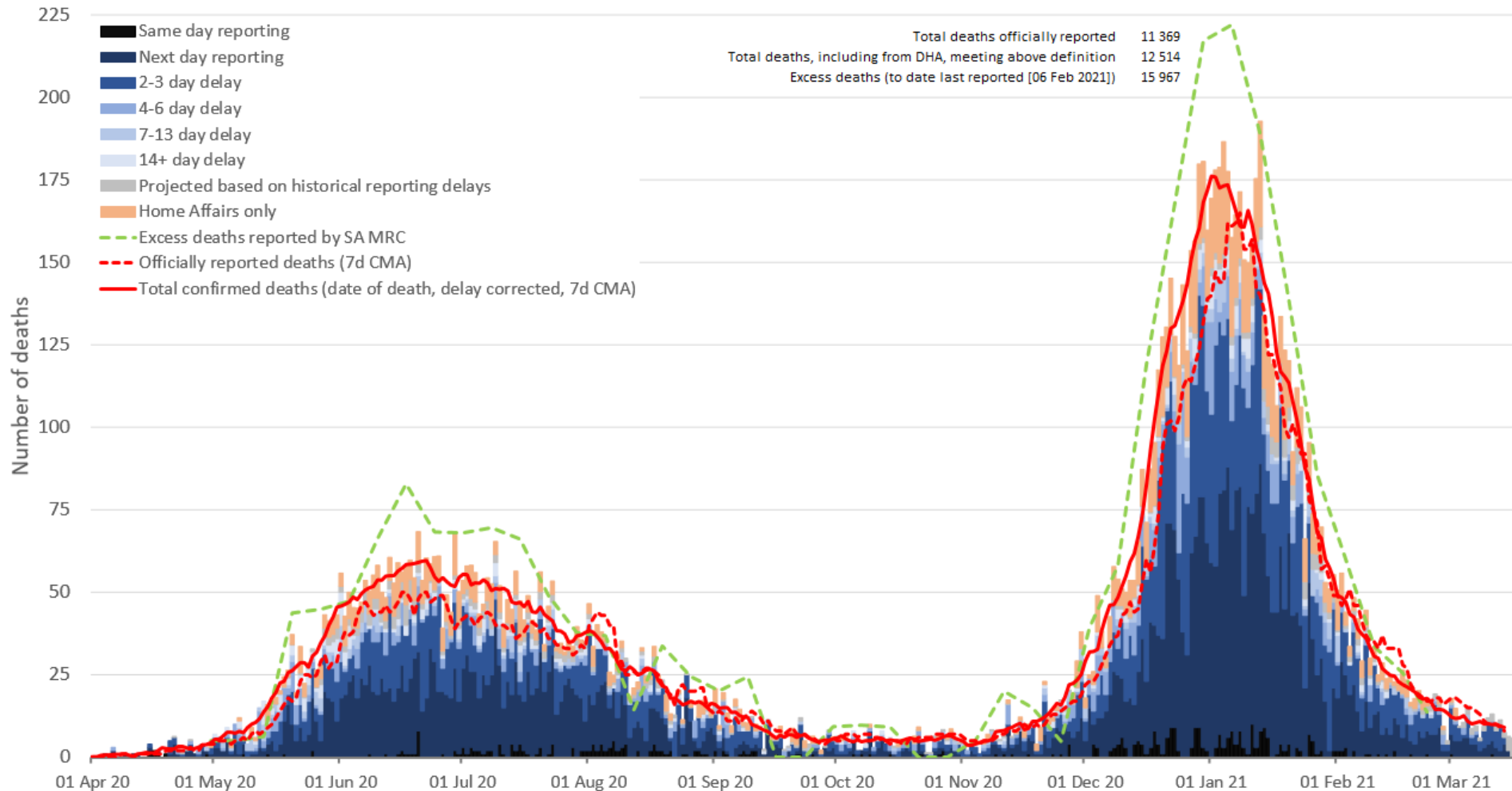
Surveillance & Response Update

Integrated testing, case, hospitalisation and mortality trends



Mortality by date of death

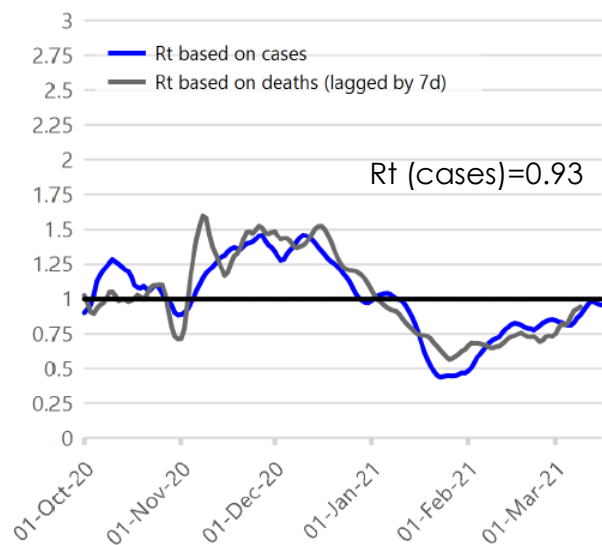
Mortality in patients with laboratory-confirmed SARS-CoV-2, by delay to reporting*
(within 28 days of diagnosis or 14 days of discharge, by date of death, excluding non-natural deaths on population register)



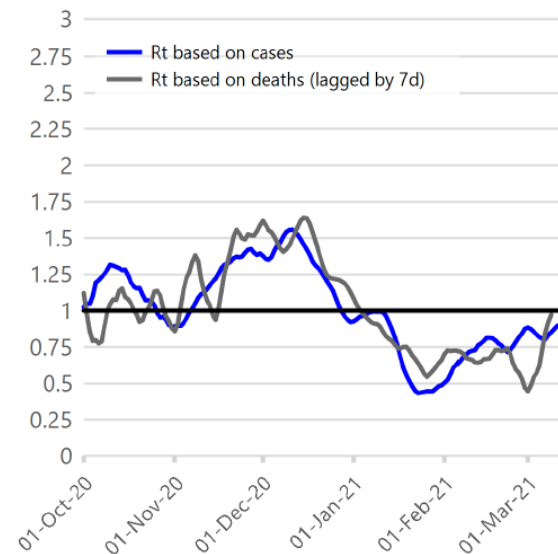
* Excludes deaths in those with undiagnosed COVID-19, in patients with clinical diagnoses in spite of absent or false negative SARS-CoV-2 test results, and in those without recorded ID numbers dying at home or in ambulatory or emergency room care; CMA - centred moving average

Current reproduction number

Province



Metro



Provincial Resurgence Overview

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

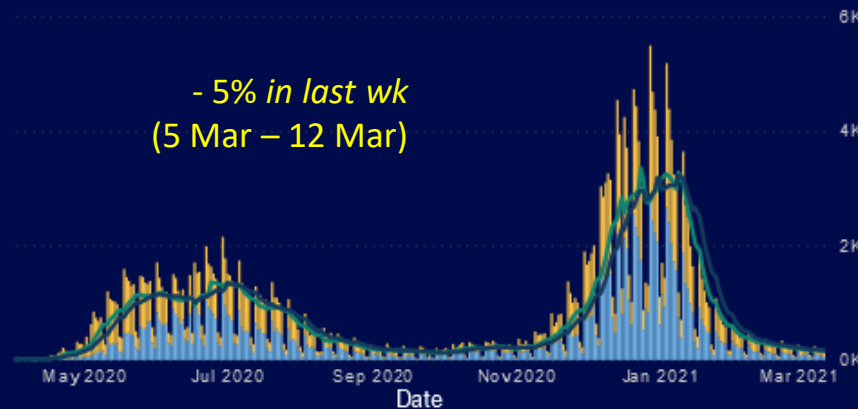
Health Impact Assessment
WC Department of Health
Last Updated:
Tuesday, 16 March 2021



Select District, Subdistrict:

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

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

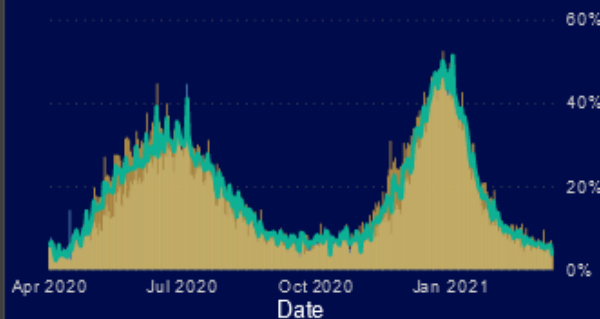


Date of Diagnosis

Date of Death

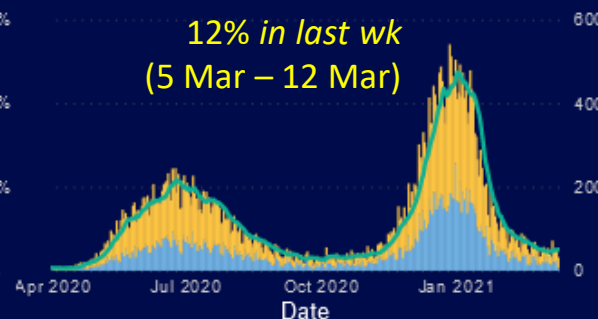
Proportion Positive and Overall Positivity by Date and Sector

Sector ● Private/Other ● Public — Overall Positivity



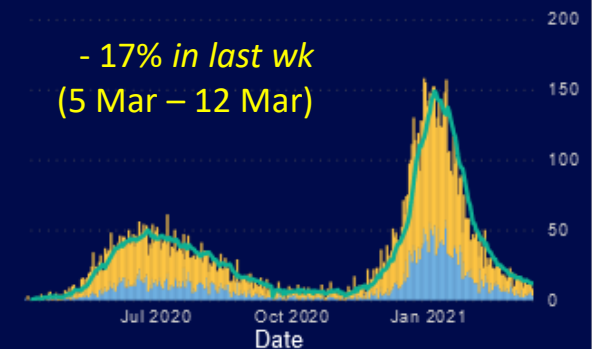
No. of Admissions and 7 Day MA by Date and Sector

Sector ● Private ● Public — 7 Day MA



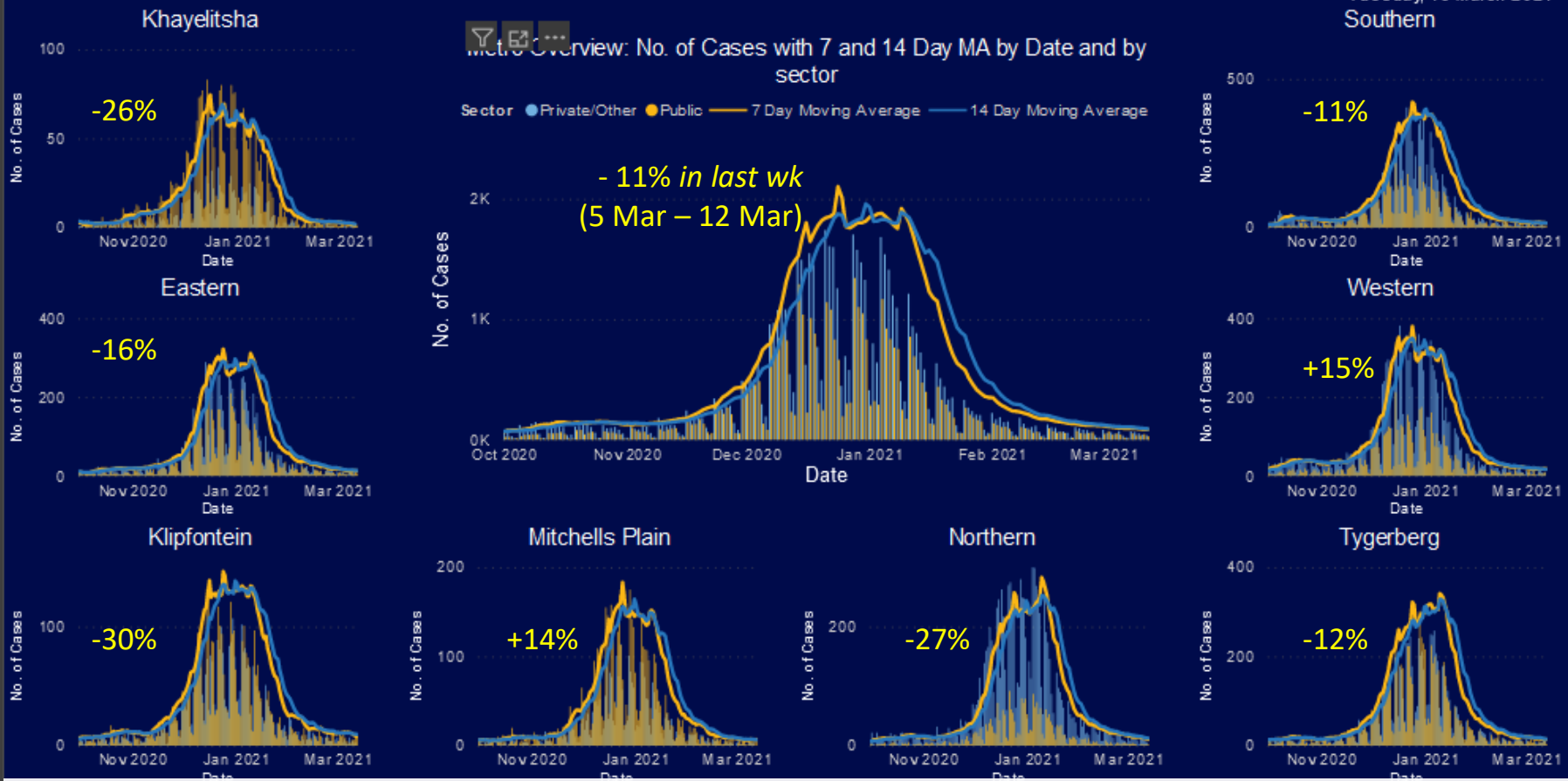
No. of Deaths and 7 Day MA by Date and Sector

Sector ● Private/Other ● Public — 7 Day MA



Provincial Overview

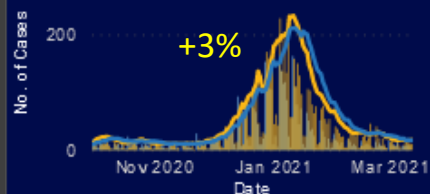
- COVID-19 cases and admissions in the Western Cape are starting to plateau. Deaths are still declining.
- Using the 7 day moving averages of new infections, confirmed cases have declined by 5%, but admissions have increased slightly by 12%. Deaths have dropped by 17%.
- The proportion positive is relatively stable at 5.2% on 12 March 2021.



Metro Overview

- Cases in the Metro decreased by 11% from 5 March to 12 March 2021.
- With relatively small absolute numbers of cases, the percentage increases of cases can vary quite dramatically.
- Mitchells Plain and Western Sub-districts are showing a slight increase, but the overall trend in the Metro is that case numbers are plateauing.
- High vigilance required over **upcoming holiday period**.

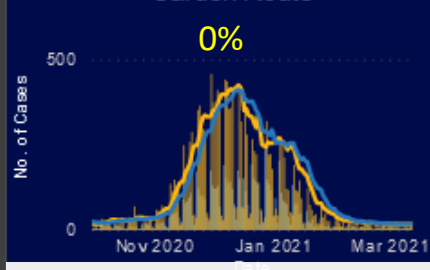
West Coast



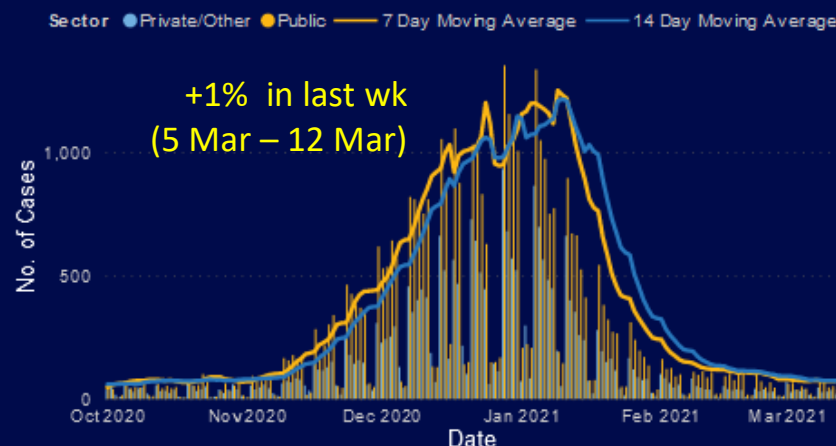
Overberg



Garden Route



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



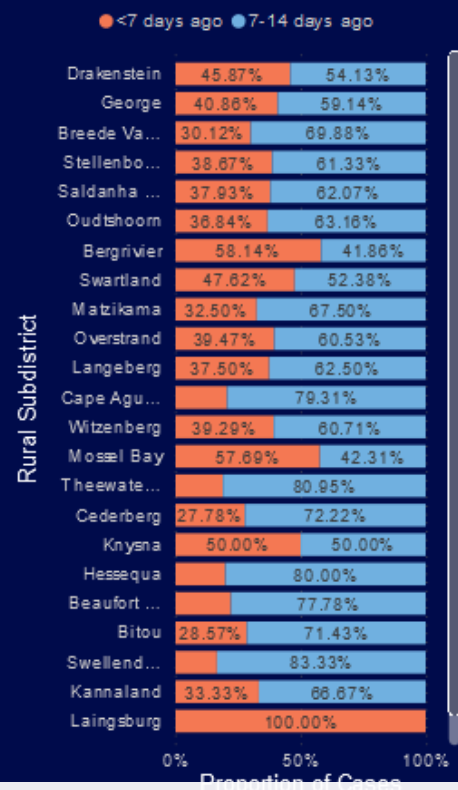
Cape Winelands



Central Karoo



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



Rural Overview

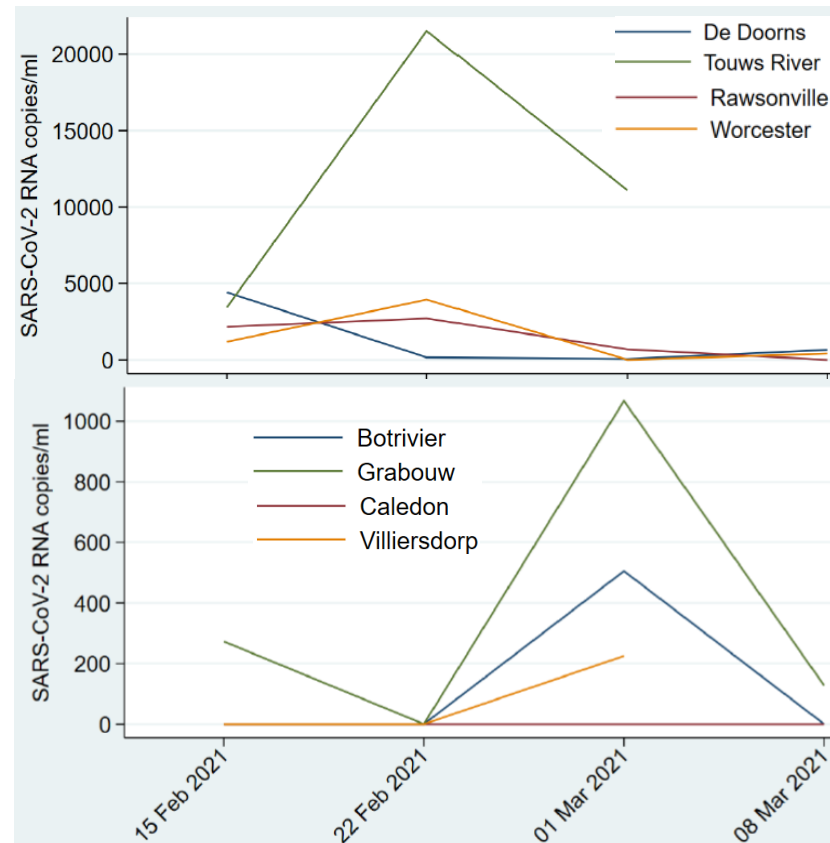
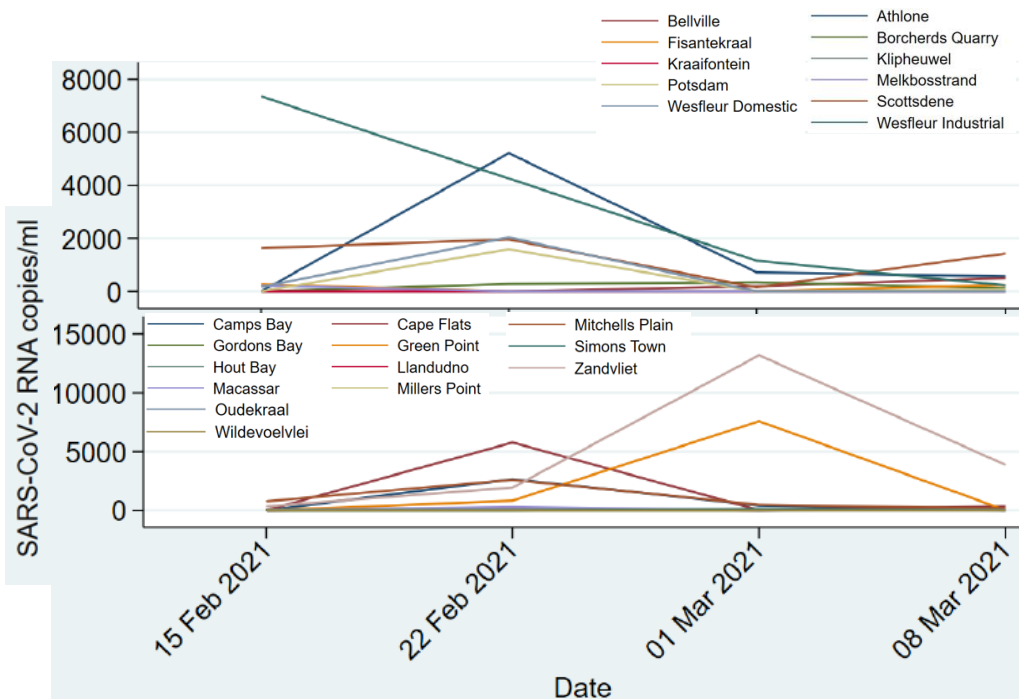
- Cases in Rural have increased by 1% overall.
- Cape Winelands District has seen an increase in cases, and clusters there have been identified and are being managed. West Coast has also seen a slight increase in cases.
- We continue to watch for and work to contain local outbreaks in all districts, especially over **upcoming holiday period**.

Triangulating with wastewater

SAMRC COVID- 19 AND WASTEWATER EARLY WARNING SYSTEM

WEEK 10
2021

City of Cape Town, Breede Valley AND Overberg



Metro:

Decrease/sustained low SARS CoV-2 RNA across most treatment plants with none detected at 9 treatment plants (previously 12). Noticeable decreases at Green Point & Zandvliet.

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

- Scottsdene

Breede Valley:

SARS CoV-2 remains low; not detected in Rawsonville (Note: no result for Touws River due to technical challenges)

Theewaterskloof:

Decreases in SARS-CoV-2 with none detected at Botrivier & Caledon (Note: no results for Villiersdorp due to technical challenges.)

South Africa and Western Cape – expectations for 3rd wave

1. National MAC technical working group with involvement of WC epidemiologists
2. 3rd wave is very likely but there remains uncertainty about timing, location and magnitude of resurgence. This will be driven by:

Change in viral transmissibility

- Seasonality (weather)
- Seasonal changes in behaviour (long weekends, funerals, Easter)

Behavioural changes in a population

- People touched by COVID
- Restrictions on movement and behaviour (alcohol ban, gatherings etc.) steep declines in cases & deaths from 28 Dec '20 (reinstating level 3)
- Now shift back to Level 1
- Contact tracing; Encouraging Q&I

Change in interactions between weakly connected subpopulations

- Between provinces
- Between urban and rural
- Between wealthy and poor

Changing immunity / reinfection risk

- Evidence of some immunity post infection, but may wane
- Communities hard hit in wave 1, relatively less severe in wave 2

Viral evolution

- As with 501Y.V2 variant, other variants may affect viral transmissibility

Speed, uptake & impact of vaccination

- This will become more evident over the coming weeks and months with vaccine rollout in the Province

Messages for the holiday season: making safer choices



GO SMALLER

COVID-19 spreads at gatherings.
Re-consider the size of your Christmas gathering.

STAY SAFE
MOVE FORWARD



GO OUTDOORS

COVID-19 spreads at gatherings.
Re-consider indoor gatherings and take them outdoors.

STAY SAFE
MOVE FORWARD



GO SPACIOUS

COVID-19 spreads at gatherings.
Re-consider confined spaces and keep your gathering spacious.

STAY SAFE
MOVE FORWARD



GO VIRTUAL

COVID-19 spreads at gatherings.
Re-consider having a traditional Christmas gathering.

STAY SAFE
MOVE FORWARD

The health platform COVID response

Acute service platform – general comments

1. Currently **950 COVID patients** in our acute hospitals (**548** in **public** hospitals & **402** 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 **62%**; **Paarl** drainage area hospitals at **71%** & **Worcester** drainage area hospitals at **69%**.
4. Occupancies in COVID beds show **Metro** hospitals at **11%**; **George** drainage area hospitals at **15%**; **Paarl** drainage area hospitals at **23%**; **Worcester** drainage area hospitals at **20%**.
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 **12** patients (3 245 cumulative patients), **Freesia & Ward 99** has **5 patients**, **Mitchell Plain Hospital of Hope** has **11 patients** and **Sonstraal** currently has **1 patient**.
7. The Metro **mass fatality centre** has capacity for **240 bodies**; currently **0 decedents (cumulative total of 1368 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 17/03/2021

Drainage Area	Operational Beds	Filled Beds	BUR %	COVID BUR %	% Covid patients	Designated Covid Beds(General Wards)	Designated Covid Beds(Critical Care)
Cape Town /Metro	5,041	4,342	86%	11%	4%	10%	21%
George	918	569	62%	15%	8%	15%	17%
Paarl	940	663	71%	23%	10%	22%	100%
Worcester	781	539	69%	20%	14%	19%	30%
SubTotal WCDOH	7,680	6,113	80%	14%	6%	13%	26%

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 **19.28 tons/day, 27.54% 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 **15.22 tons/day (21.57% of capacity)**, 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**.

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

DEPARTMENTAL OVERVIEW HEALTHCARE WORKERS INFECTED WITH COVID-19



Totals as at 18 Mar 2021

Cumulative Infections

8,837

-



8,690

-



123

=

Active Cases

24

Doctors



802

Nurses



3,974

Radiographers



109

Pharmacists



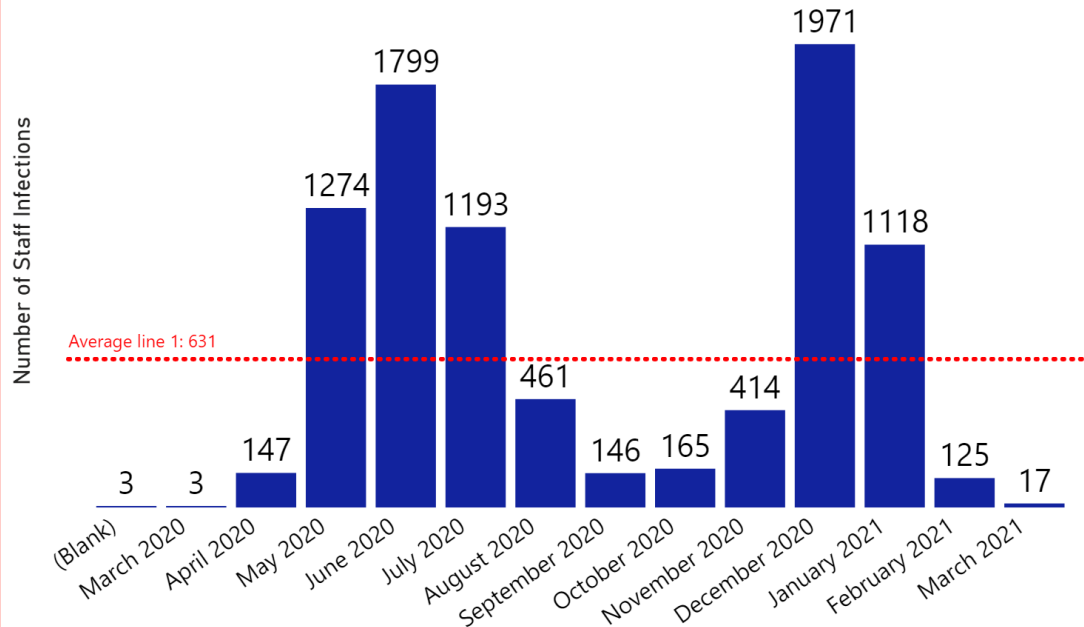
83

Other
Categories

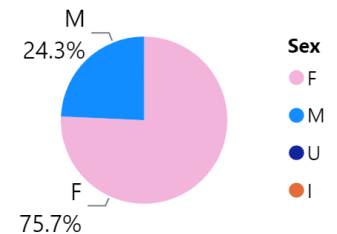


3,869

Healthcare Workers Infections by Month



Gender Distribution by Sex



DEPARTMENTAL OVERVIEW

HEALTHCARE WORKERS INFECTED WITH COVID-19 -DAILY TRENDS

Totals as at 18 Mar 2021

Cumulative Infections

8,837

-



8,690

-



123

=

Active Cases

24

Doctors



3

Nurses



11

Radiographers



(Blank)

Pharmacists



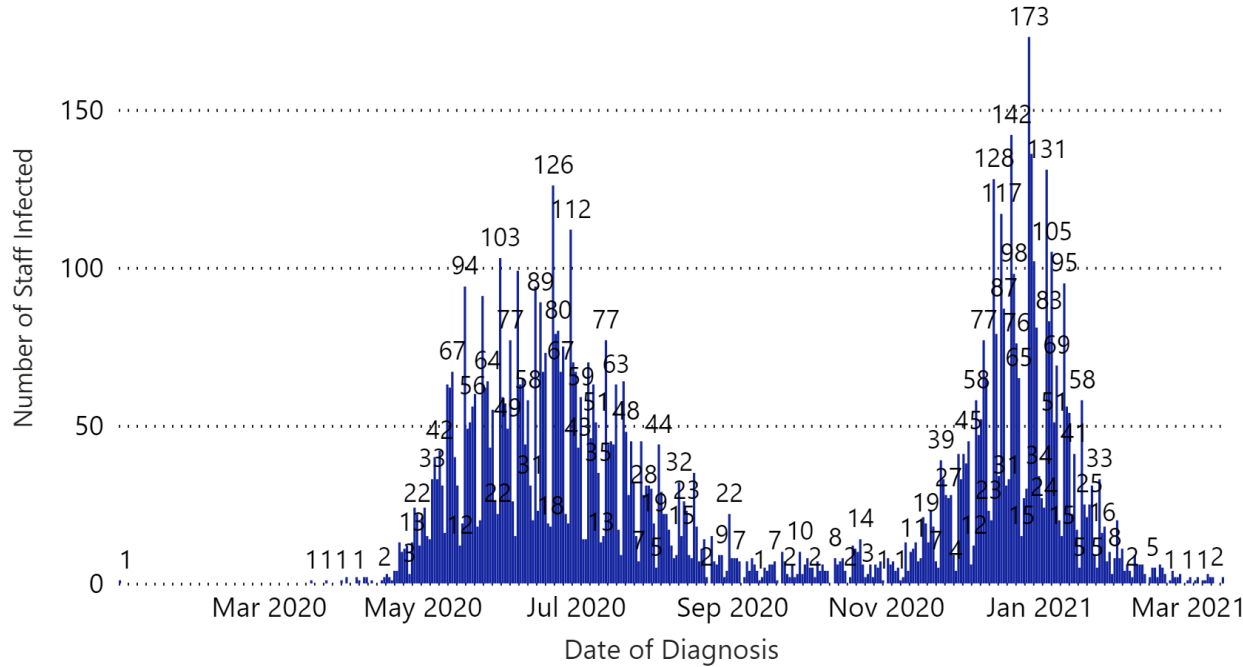
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Other
Categories



9

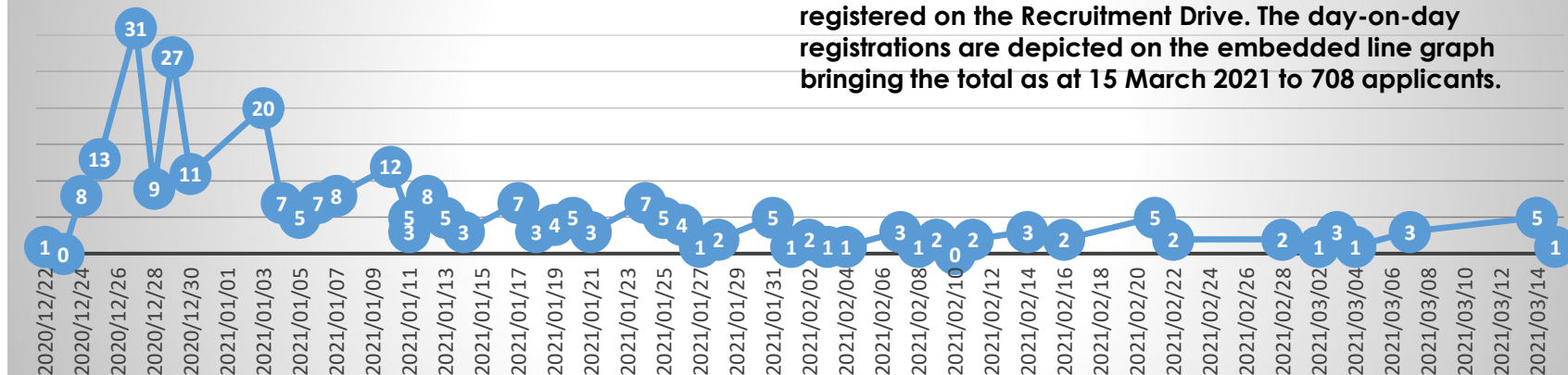
Daily Staff Infection Trends



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 15 March 2021 to 708 applicants.



Category of HCW	Possibly Available	Appointed on PERSAL
MO	156	26
Enrolled Nurse(EN)	95	20
Enrolled Nursing Auxiliary (ENA)	111	24
Not Indicated	32	7
Professional Nurse	128	61
Professional Nurse with Specialty	40	8
	562	146

Institutions have made 29 Offers to the following categories of staff:

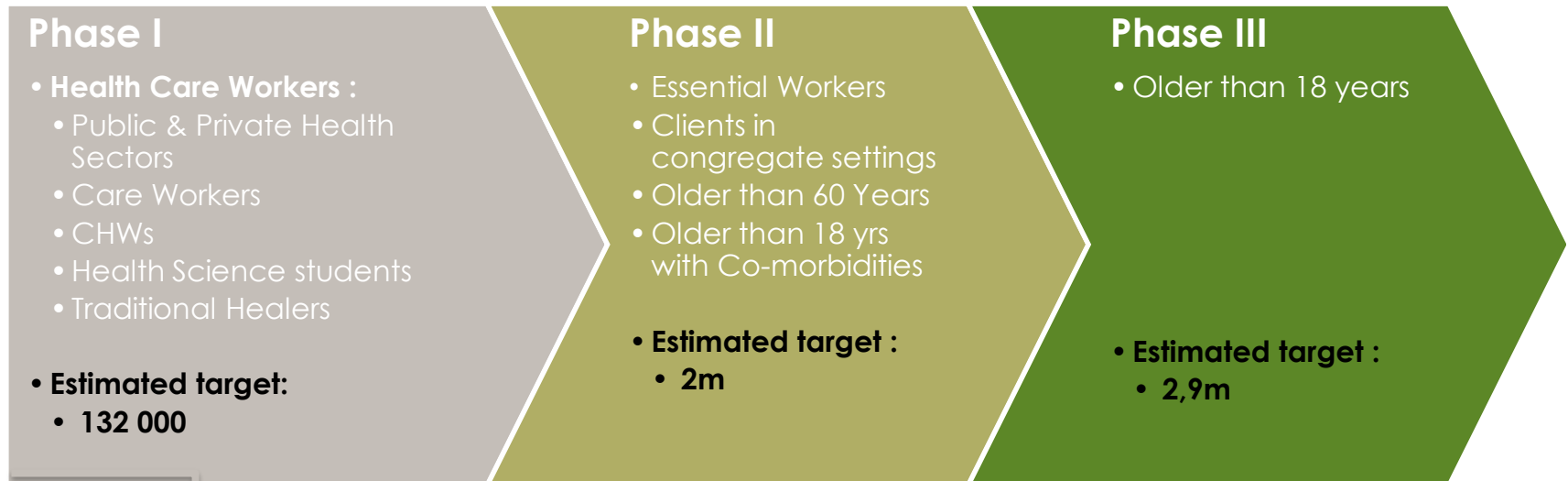
OSD-Category Rank	Filled	Reserved Posts	Grand Total
Allied Health	24	2	26
Doctors	82		82
Nursing	849	26	875
Pharmacists	5		5
Pharmacists-Assistant	10		10
Social Workers	3		3
Admin and Related	153	1	154
Grand Total	1126	29	1155

There are currently 1126 filled posts across the platform for additional COVID posts, 29 offers are pending finalization which will bring the total to 1155. Of the 708 Recruitment Drive applicants, 146 has thus far been appointed on PERSAL. The balance of which 562 are possibly available for appointment.

Vaccine Implementation update



Vaccine update: Phases and Prioritisation Groups

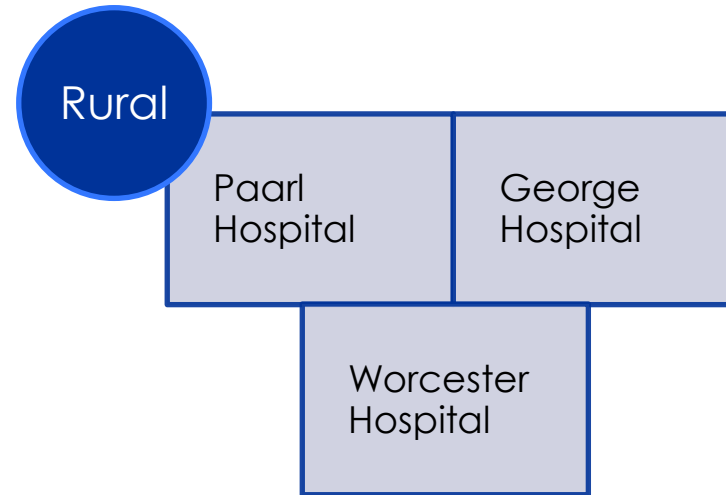
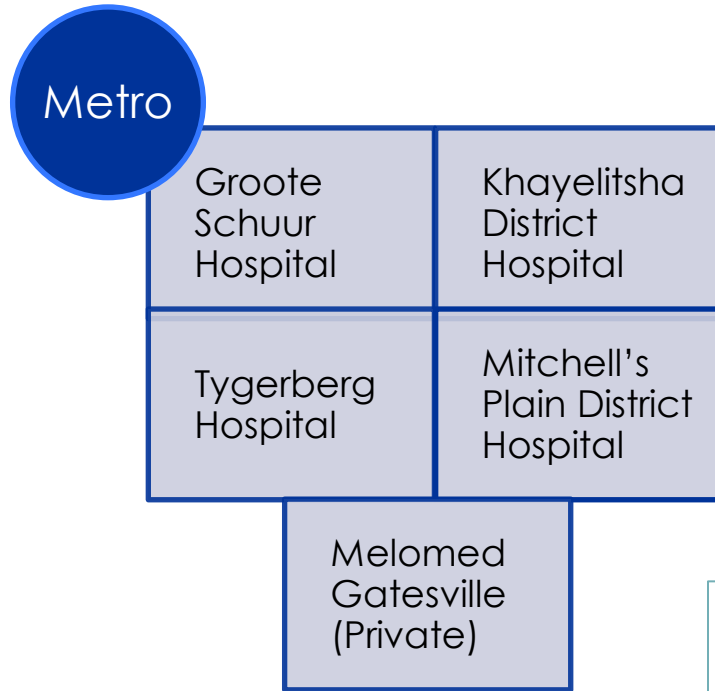


- It is anticipated that we will be able to cover **40% of health care workers** with the **limited doses** being received via the **Sisonke Programme**, as **Phase 1a**.
- We are preparing to **rapidly scale up vaccination to multiple sites** during **April** to **complete Phase 1**, as **Phase 1b**, depending on **vaccine availability**. Expecting **Pfizer vaccine arrival**.

Vaccine Update: J&J Sisonke Programme (Phase 1a)

1. Since the launch of the **J&J Sisonke Programme** took place on 17 February 2021 at Khayelitsha District Hospital, the province is currently in the process of implementing its **third tranche** of the vaccines.
2. Each vaccine tranche covers a 2-week period. With Tranche 1 (17 – 28 February 2021) and Tranche 2 (01 – 15 March 2021) a total of 25 960 doses were delivered to the Western Cape. The first delivery of Tranche 3 saw a further 5 320 doses, bringing the total number of doses received thus far to **31 280**.
3. As at 16 March 2021, a total of **29 520** health care workers have been vaccinated in the province (public and private sectors).

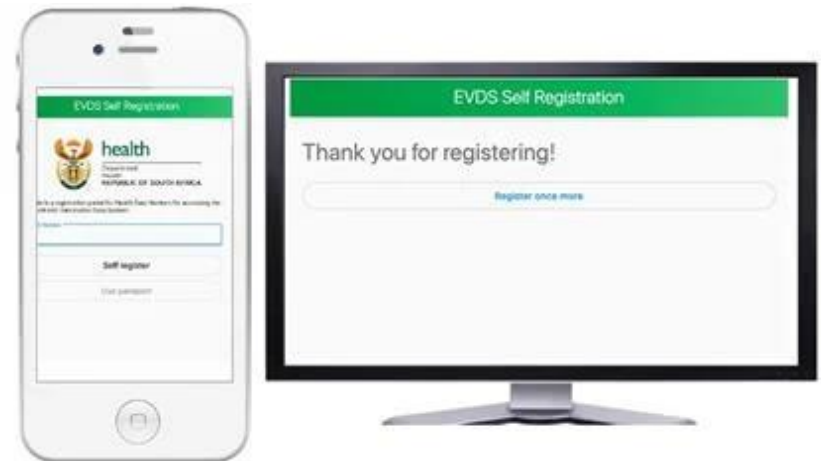
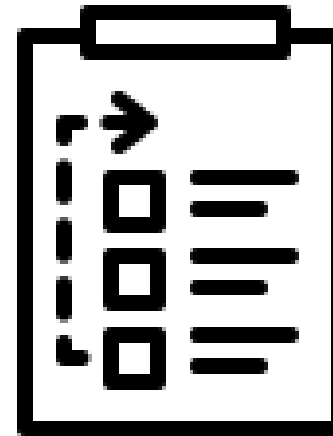
Vaccine Update: Sites



- 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.

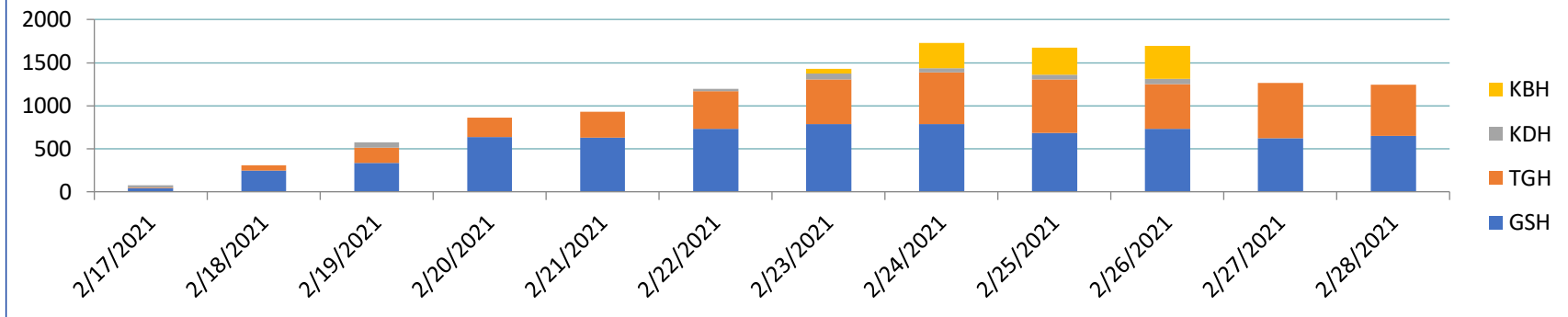
Vaccine update: Implementation

- **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.
- 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.

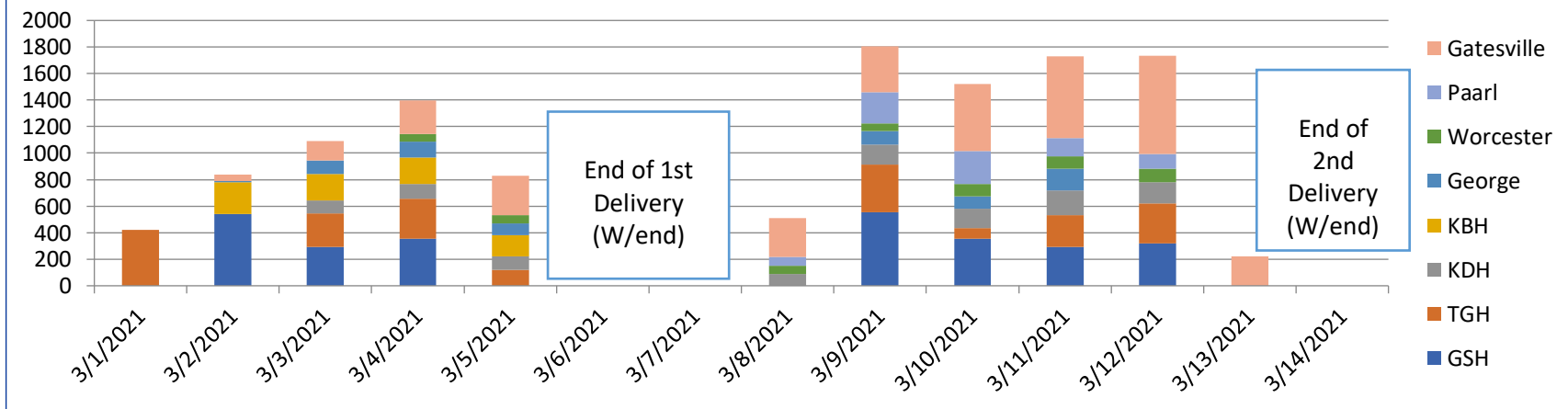


Vaccine Update Phase 1a: Uptake from 17 February to 14 March 2021

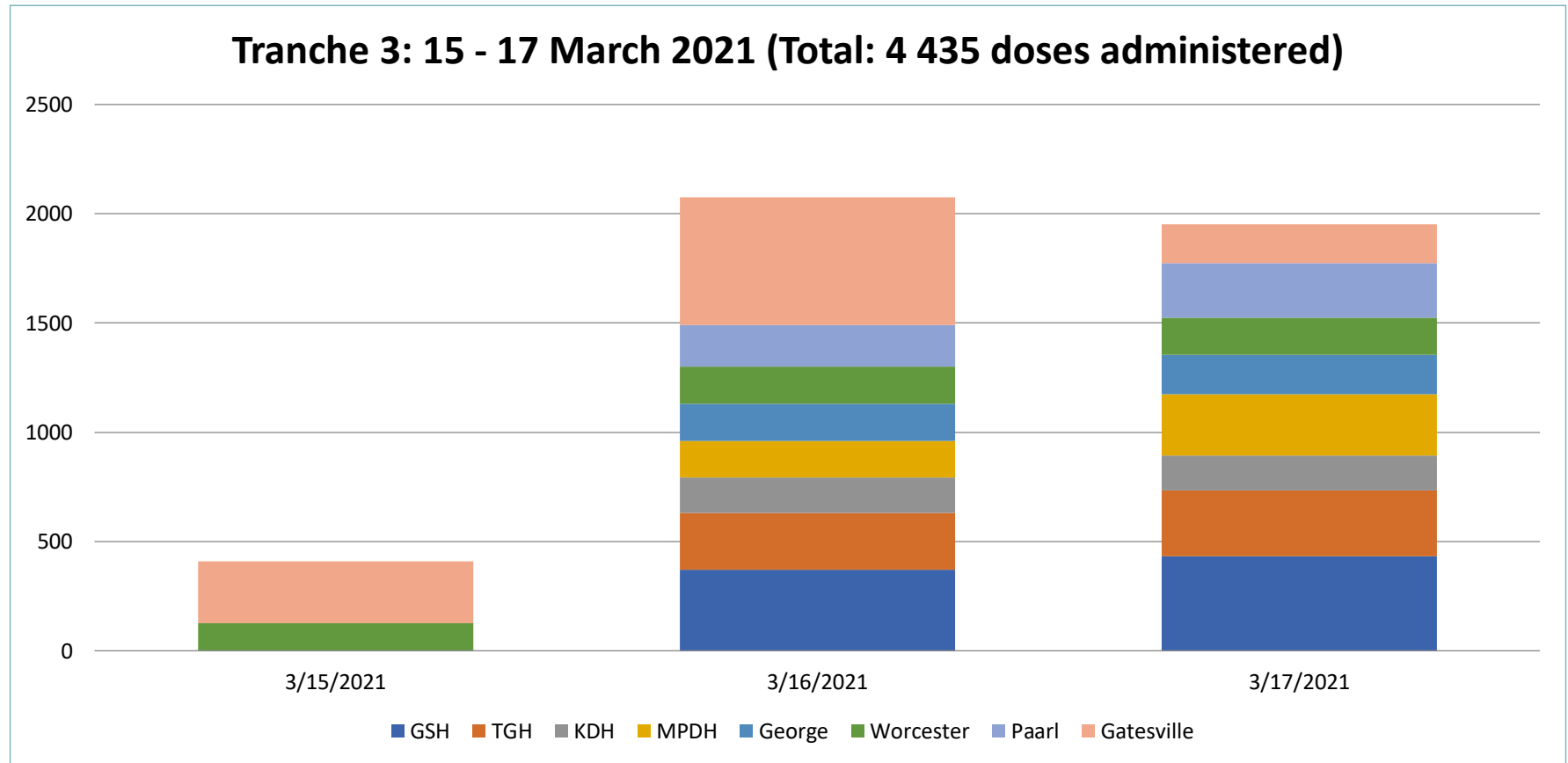
Tranche 1: 17 - 28 February 2021 = 12 995 doses administered



Tranche 2: 01 - 14 March 2021 = 12 090 doses administered



Vaccine Update Phase 1a: Current Tranche (15 - 17 March 2021)



Highest daily output thus far achieved was on 16 March 2021 = 2 075

Vaccinator Database (as at 17 March 2021)

Group <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"/> ...	District <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"/> ...	Facility/Institution <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"/> Annie Brown Clinic <input type="checkbox"/> Aquarius Health Covid Fi... <input type="checkbox"/> Area Central HO <input type="checkbox"/> Area East HO <input type="checkbox"/> Area North HO <input type="checkbox"/> ...	<div>4018</div> <div>total Vaccinators</div>	<div>409</div> <div>Doctors</div>	<div>1947</div> <div>Nurses</div>	<div>81</div> <div>Other</div>
			<div>2088</div> <div>total Trained</div>		<div>identified so far</div>	
				<div>475</div> <div>Pharmacists/EMS/Educator</div>	<div>305</div> <div>Supervisor/ Manager</div>	

**Phase 2 preparation –
targeted to start in May 2021**

Global lessons from mass vaccination programmes

Lessons learned from Global COVID-19 Vaccination Programmes



**High-level
leadership and
commitment**



**Information
Systems—
appointment
system ;
Monitoring,
Reporting**



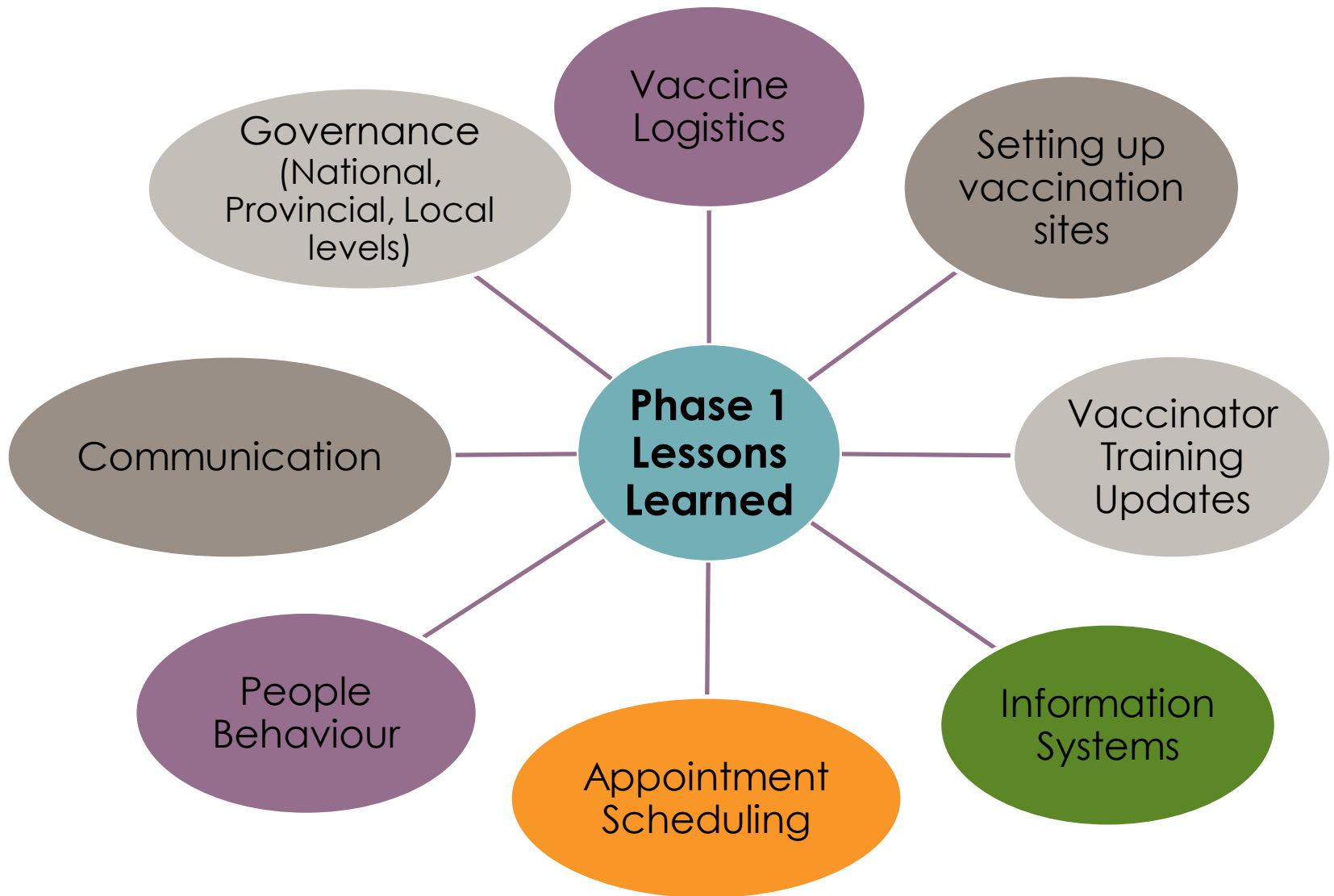
**Effective Comms
+ Citizen
Engagement:
Trust and buy-in
of citizens**



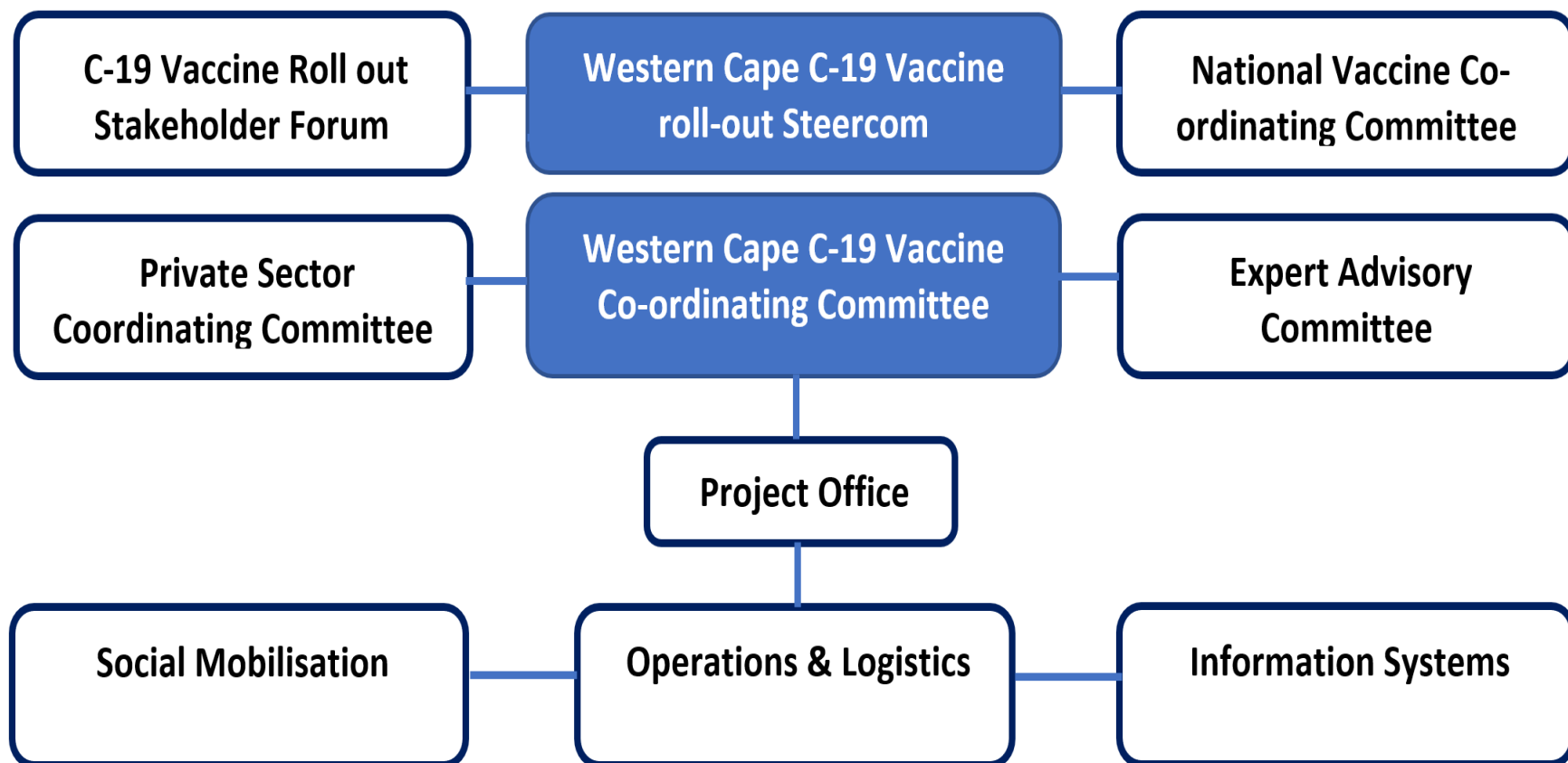
**Patient Centred,
Highly organised
and efficient
logistics**

Key Drivers of success in top-performing countries

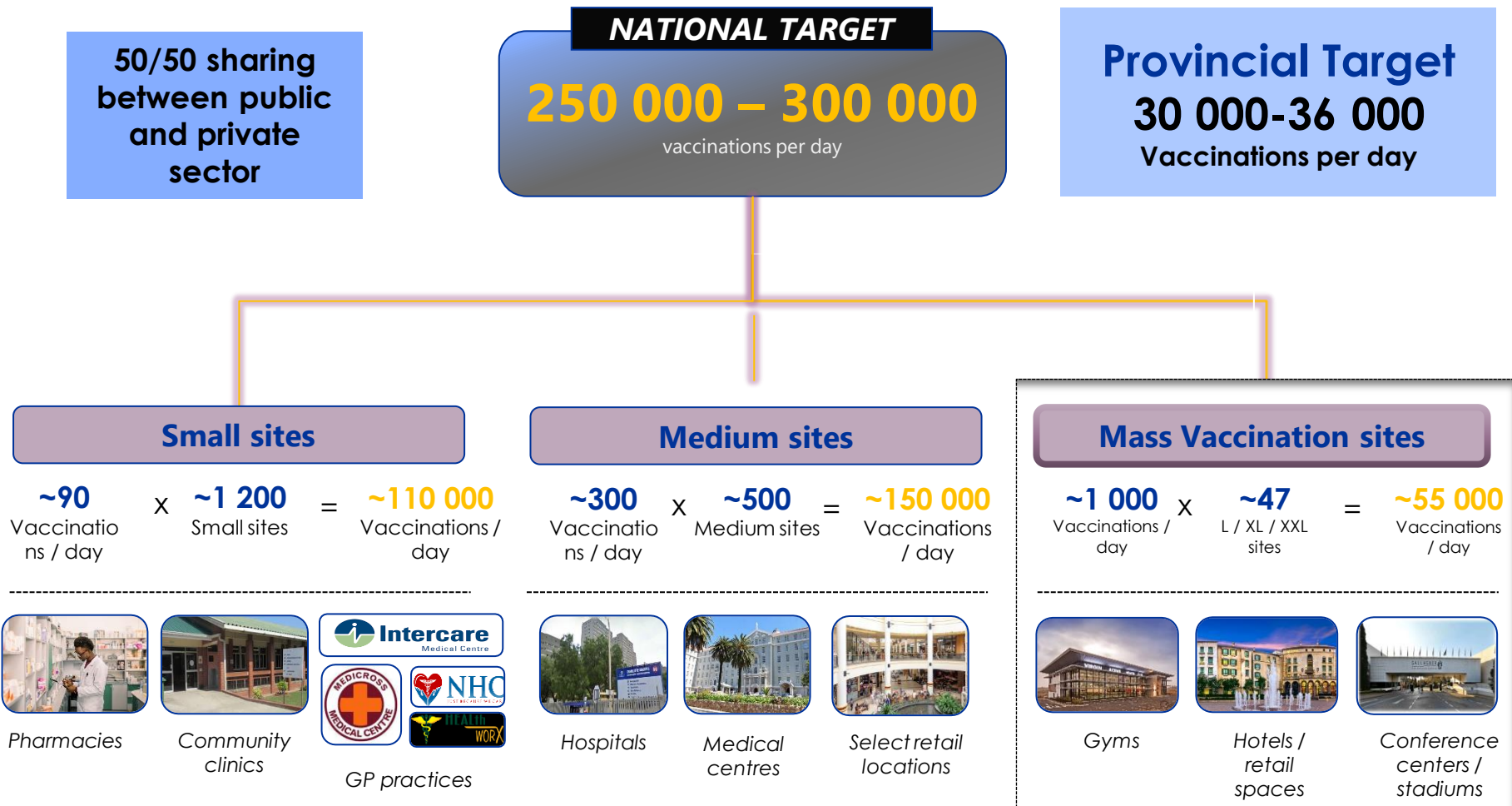
Lessons learned from Phase 1 vaccination



Revised Governance arrangements for Phase 2 roll out



Potential SA portfolio of COVID-19 vaccination sites



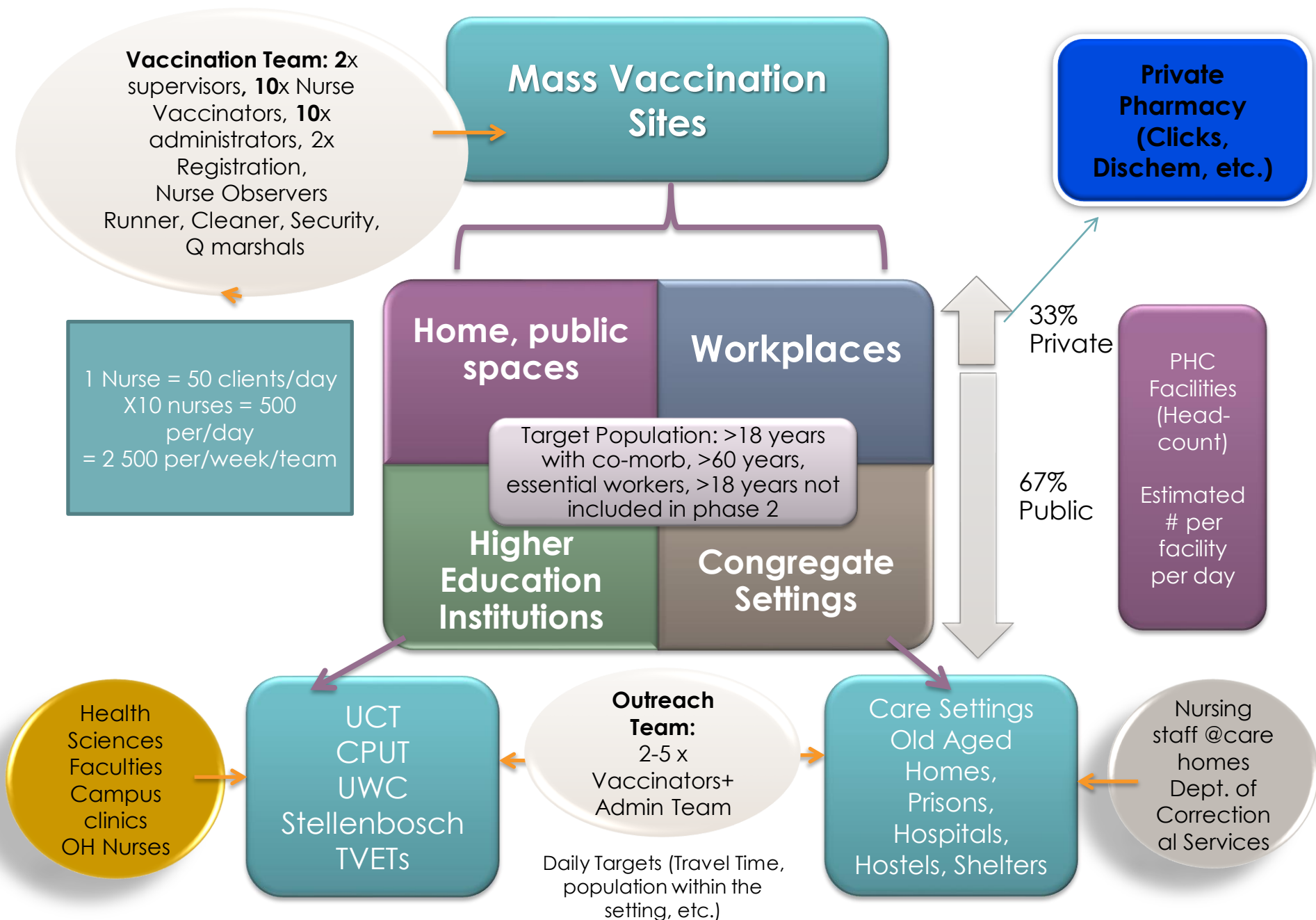
Operations and Logistics Work Stream

A set of tools has been developed & packaged as an information pack to assist teams with the district level planning:

- Refinement of Phase 2 population estimates down to sub-district level
- Recommended composition of a Vaccination Team
- Considerations for setting up a site
- List of available large venues that could be used as vaccination sites
- Proposed model (see next slide)

Proposed Vaccination Team	
Staff	Qty
Pharmacist/Pharmacy Assistant	1
<i>Pharmacy service is dependent on size of site or distance from approved delivery site, e.g. large sites may require mini pharmacy on site, smaller sites might make use of outreach from approved delivery site</i>	
Vaccinators	6 to 10
EVDS Administrators	6 to 10
Covid-19 Screener	1
Registration Administrator	2
ENA for Observation Area	1
On site/ on call Medical or EMS support for resuscitation	1
Queue Marshall	2
Security	2
Cleaning Staff	1

Phase 2 & Phase 3 Covid-19 Vaccine Rollout



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