



COVID 19 VACCINE ROLL OUT

13th February 2021

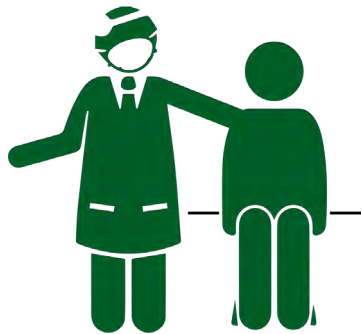
BACKGROUND

National COVID Vaccination Programme Status



Paused Sunday 6 February

- Following concerns regarding efficacy of the Oxford-AstraZeneca (CoviShield) vaccine against mild-moderate COVID caused by the 501.V2 variant.
- CoviShield may still play a role in the National Programme but more local research is needed.
- There is likely to be significant lag period (approx. 3 months) before another vaccine is registered in South Africa.

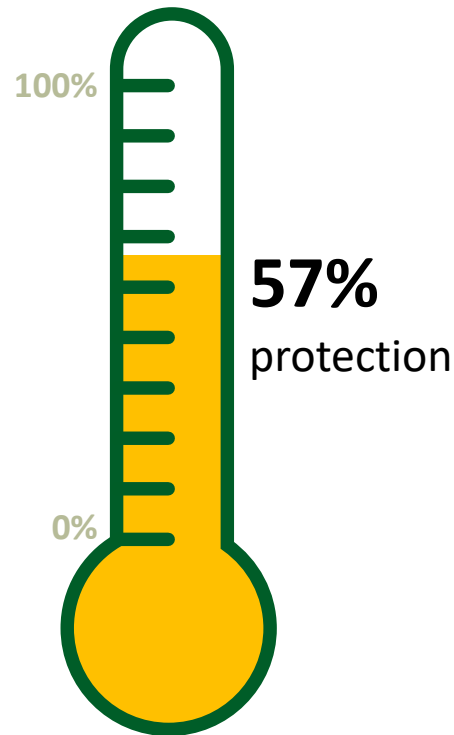


Vaccination using a safe and efficacious vaccine must start without delay to protect health workers during a likely 3rd wave this winter

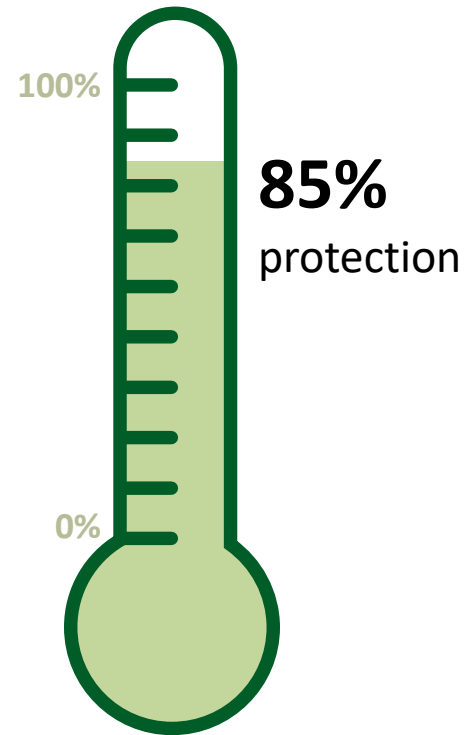
- Health workers are 3-4 times more likely than the general population to develop COVID-19
- 1 in 7 cases of COVID-19 are in health workers globally
- To date 40 000 South African health workers have developed COVID-19, 6 473 have been hospitalised and 663 of our colleagues have passed on.
- The ENSEMBLE trial showed excellent protection of a single-dose vaccine from JnJ against severe COVID-19 including in South Africa so to delay would be unethical.

Ad26.Cov2.S Vaccine (J&J) Protects Against Severe COVID-19 In South Africa

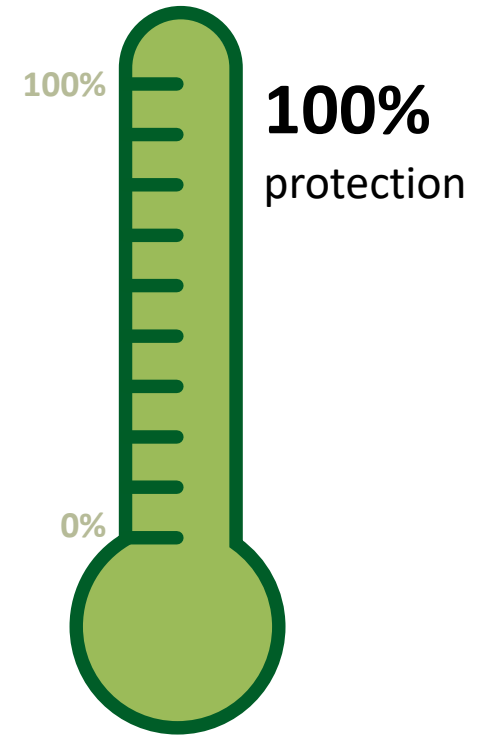
Tested in 43 783 people from 4 continents including 6,576 people in South Africa



**Moderate-severe
COVID**



Severe COVID



Death

Making The Safe Efficacious AD26.Cov.S Vaccine (JnJ) Available Immediately



Safe

No safety concerns from trial, past trials or rollout programmes



Efficacious

Excellent protection against severe disease



Easy to rollout

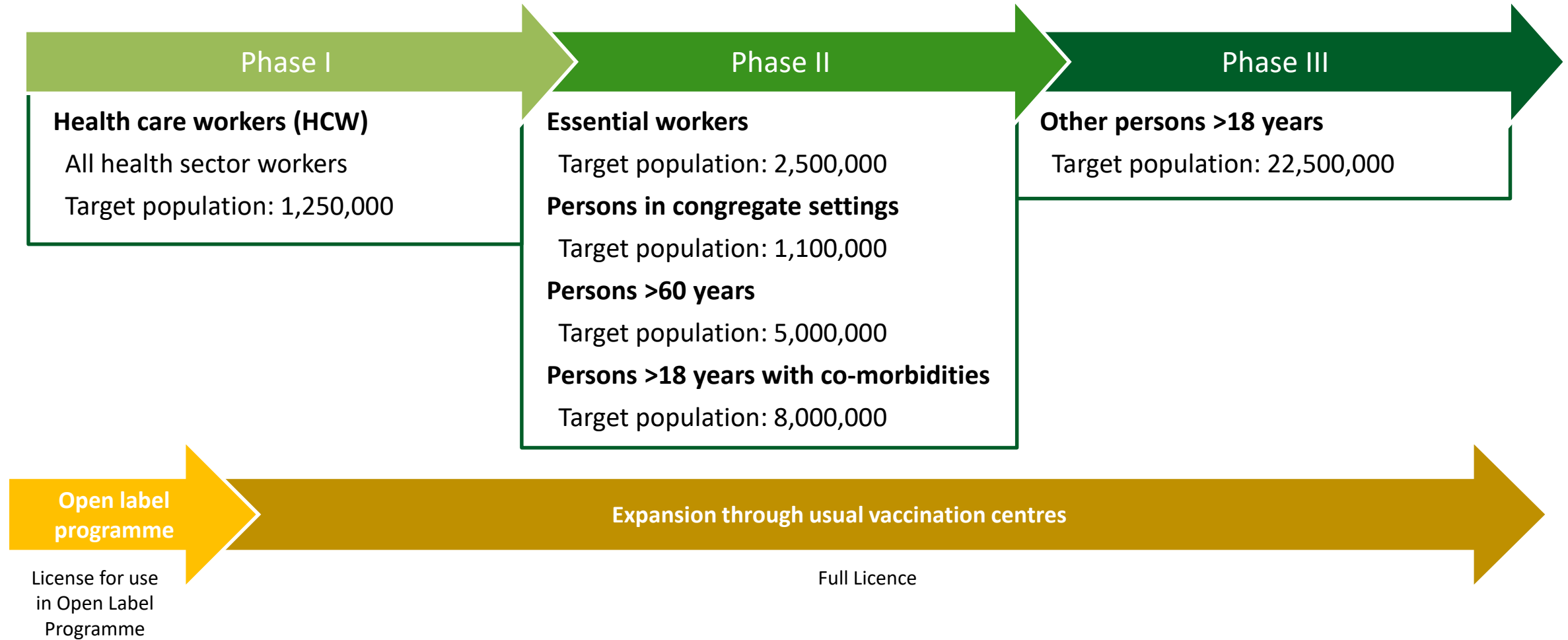
Shelf life of up to 2 years at -20°C
Can be stored at fridge temperature for 3 months
Single shot



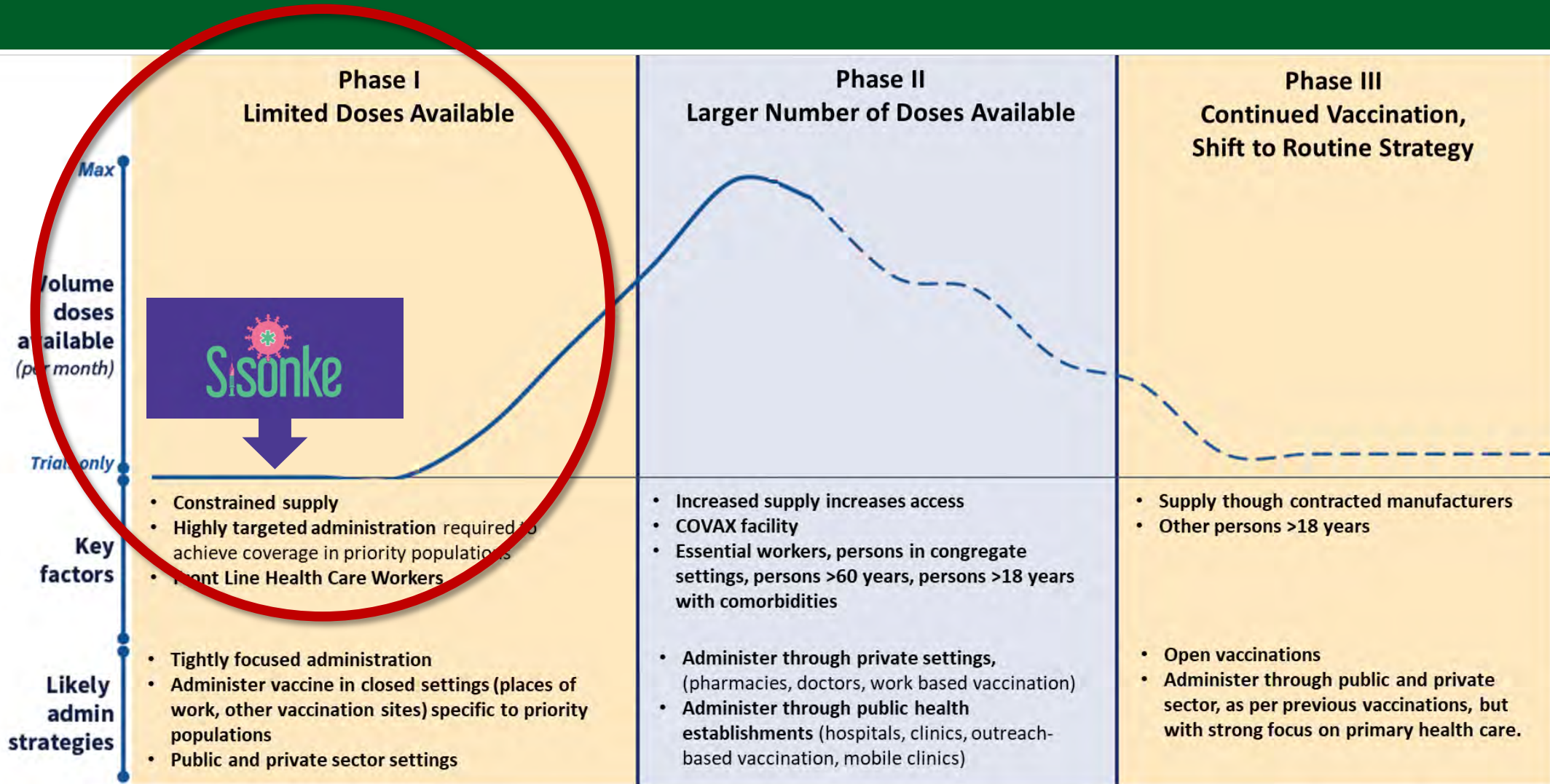
Not yet licensed



Phased Approach For Vaccine Introduction



Phased approach based on availability of vaccines



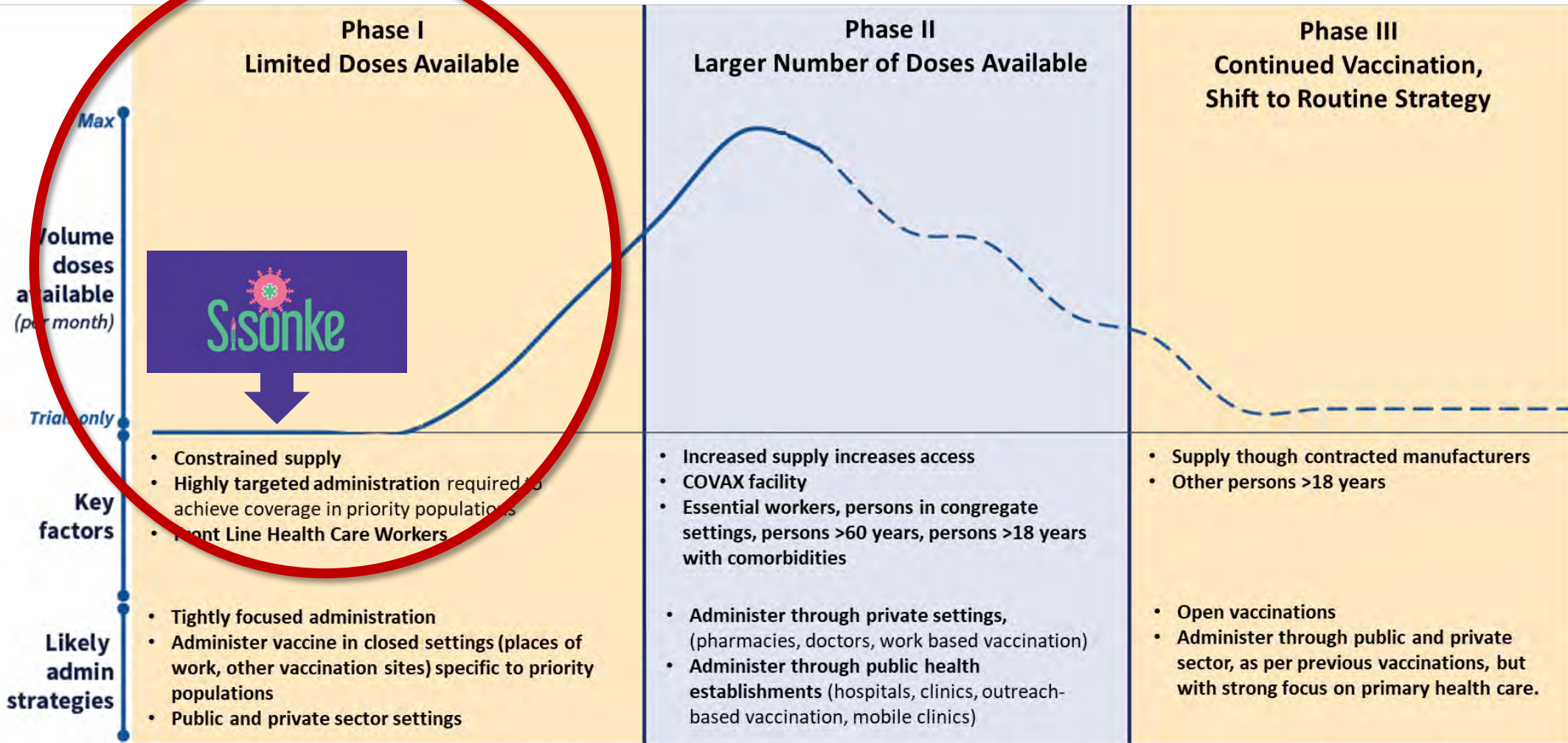
Adapted: From the factory to the frontlines: US Department of Health and Human Services)

Illustrative and not to scale.

PROGRAM IMPLEMENTATION

1. DISTRIBUTION
2. VACCINATION SITES (INITIAL SET)
3. TIMEFRAMES

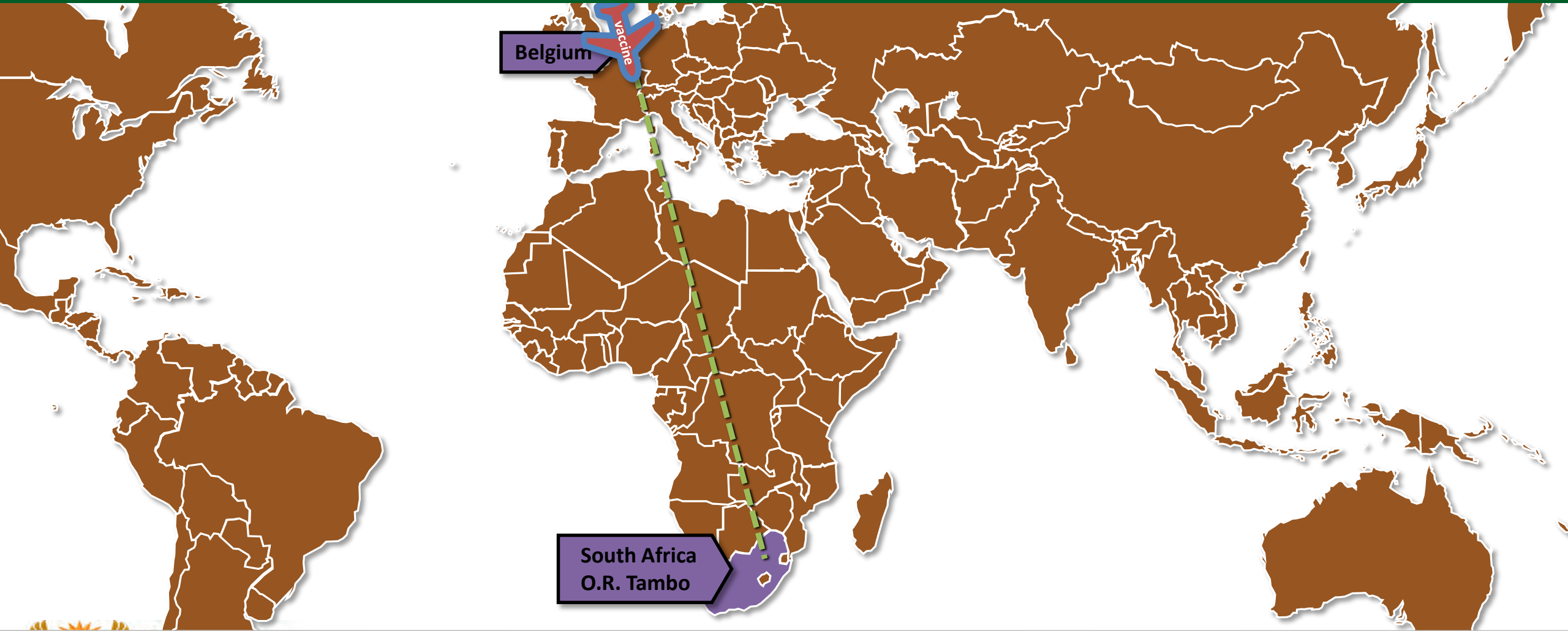
Phased approach based on availability of vaccines



Adapted: From the factory to the frontlines: US Department of Health and Human Services)

Illustrative and not to scale.

The first tranche of 80 000 doses of vaccine is on its way...

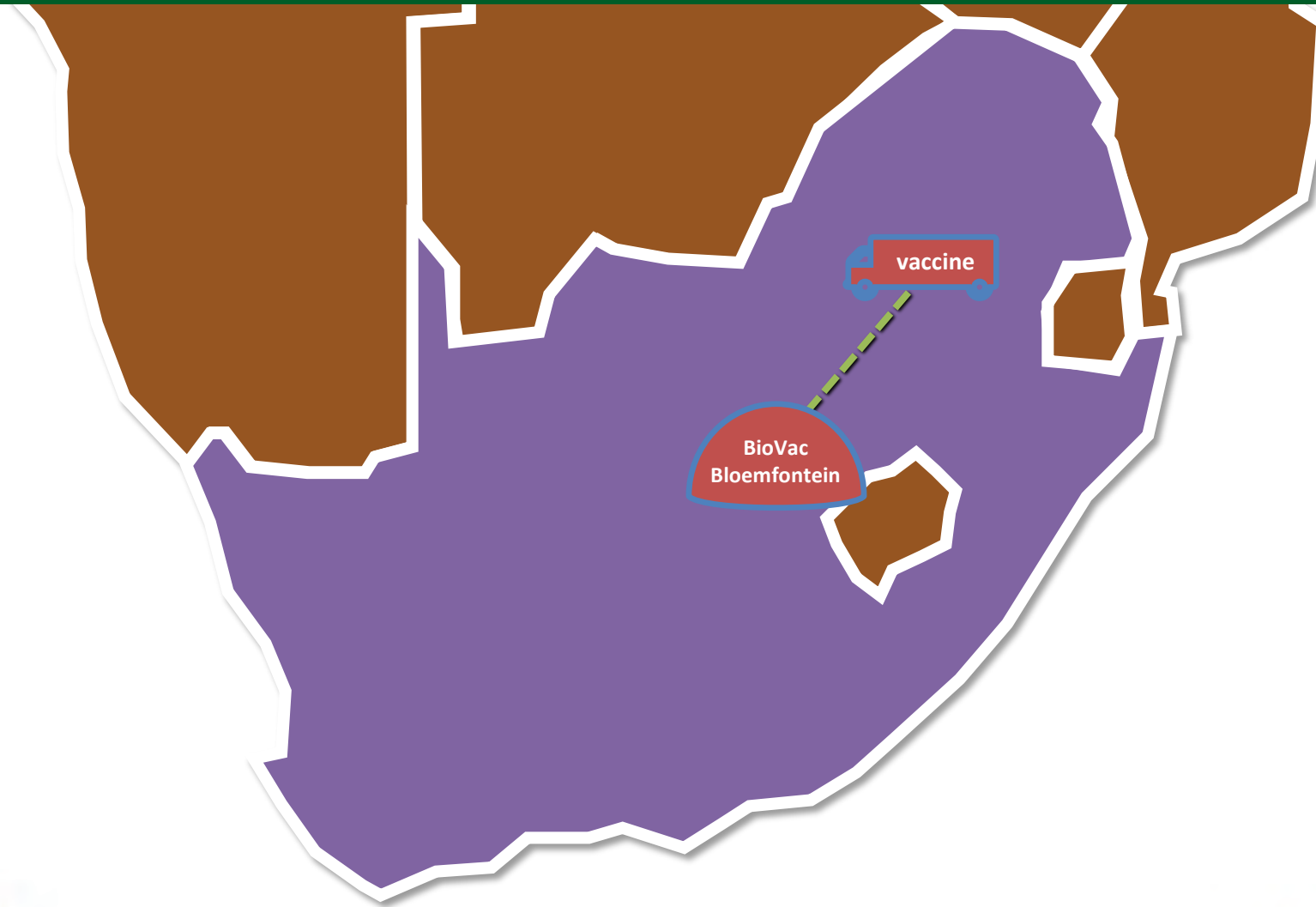


1 COVID-19 Import Process Description



NDOH, SAHPRA & Research Team will oversee and thus lead the process (not for province decision-making)

And will be rapidly distributed upon its arrival...

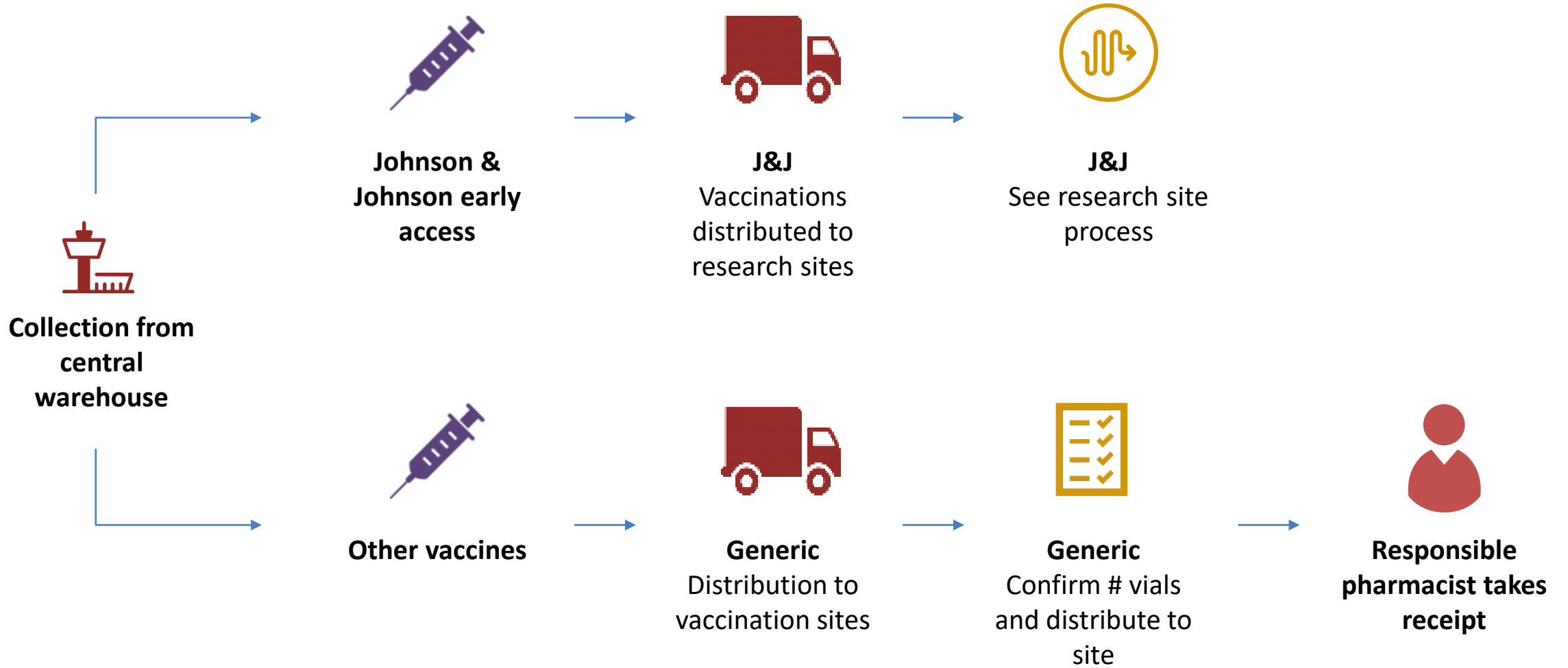


health

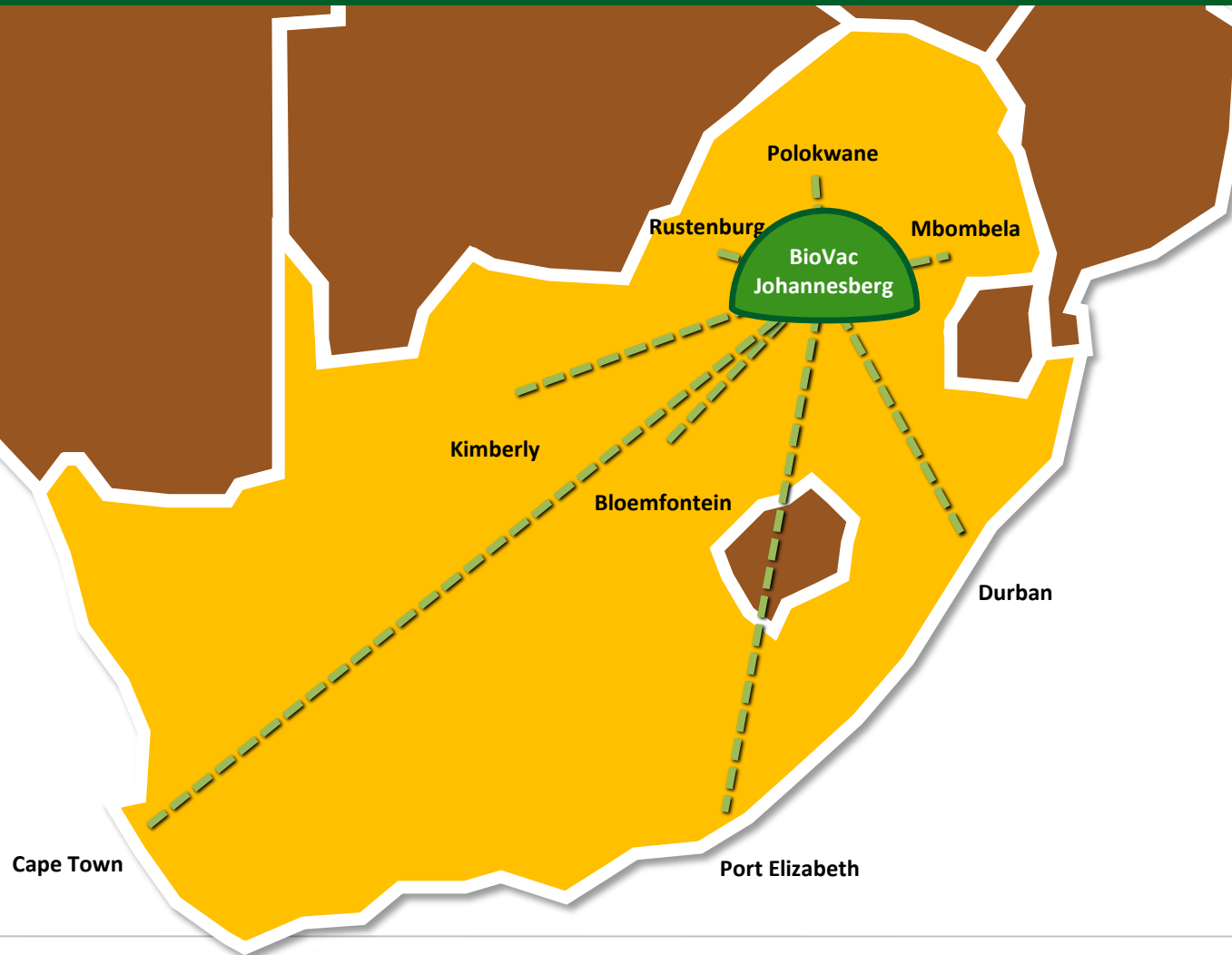
Department:
Health
REPUBLIC OF SOUTH AFRICA



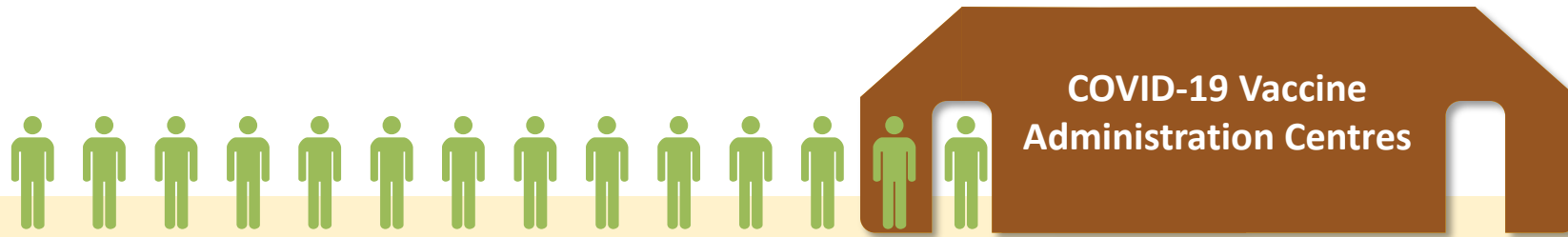
2 COVID-19 Transport Process Description



And will be rapidly distributed to all 9 provinces



Sisonke rollout



5 easy steps for healthcare workers:

1. Register on EVDS
2. Respond to SMS invite for early access
3. Provide consent to take part
4. Receive your vaccination voucher
5. Attend vaccination centre for administration

Healthcare managers: What you need to know

- 300 000 to 500 000 doses expected in next 2 months
- 80 000 doses expected next week
- 18 sites across the country initially
- Focus on large hospitals
- Research staff to help maintain cold chain and draw up doses
- Vaccinators to administer

Overview: Research and Vaccination Sites

- Twenty (20) public sector hospitals have been identified for the first two-week period.
- Sixteen (16) of the ENSEMBLE Research sites have been identified as Primary Distribution Sites receiving product from Biovac.
- The ENSEMBLE Research sites were chosen based on proximity to the identified public sectors hospitals.
- Six (6) of these ENSEMBLE Research sites are either within the grounds of the public sector hospital complex or within 1km

| Research Sites | Province |
|---|---------------|
| Aurum Institute Klerksdorp CRS | North West |
| Aurum Institute Rustenburg CRS | North West |
| CAPRISA eThekweni CRS | KwaZulu-Natal |
| Chatsworth CRS | KwaZulu-Natal |
| Clinical HIV Research Unit (CHRU) | Gauteng |
| Elandsdoorn CRS | Limpopo |
| FAM-CRU (Family Clinical research Unit) | Western Cape |
| Groote Schuur HIV CRS | Western Cape |
| Joshua Research CRS | Free State |
| Mzansi Ethical Research Centre | Mpumalanga |
| Nelson Mandela Academic Research Unit | Eastern Cape |
| Phoenix Pharma | Eastern Cape |
| Qhakaza Mbokodo Research Clinic CRS | KwaZulu-Natal |
| Soweto HVTN C | Gauteng |
| Synovus SA - Watermeyer | Gauteng |

| Hospital | Province | HCW | Supply Research Site | Distance from Research Site (km) | *Doses (public & private) | Vials | Kits (20 vials) | Vaccinators |
|--|---------------|-------|---|----------------------------------|---------------------------|---------------|-----------------|-------------|
| ec Livingstone Hospital | Eastern Cape | 2 135 | PHOENIX Pharma (Pty) Ltd | 6 | 3 200 | 1 600 | 80 | 7 |
| ec Nelson Mandela Academic Hospital | Eastern Cape | 3 314 | Nelson Mandela Academic Research Unit | 1 | 4 920 | 2 460 | 123 | 10 |
| fs Universitas (C) Hospital | Free State | 2 544 | Joshua Research CRS | 5 | 3 800 | 1 900 | 95 | 8 |
| fs Pelonomi Hospital | Free State | 2 061 | Joshua Research CRS | 4 | 3 080 | 1 540 | 77 | 6 |
| gp Chris Hani Baragwanath Hospital | Gauteng | 7 426 | Soweto HVTN CRS | 0 | 11 080 | 5 540 | 277 | 23 |
| gp Steve Biko Academic Hospital | Gauteng | 3 803 | Synexus SA - Watermeyer | 12 | 5 720 | 2 860 | 143 | 12 |
| kz Inkosi Albert Luthuli Central Hospital | KwaZulu-Natal | 3 868 | CAPRISA eThekweni CRS | 6 | 5 760 | 2 880 | 144 | 12 |
| kz Prince Mshiyeni Memorial Hospital | KwaZulu-Natal | 3 380 | Chatsworth CRS | 8 | 5 040 | 2 520 | 126 | 11 |
| lp Pietersburg Hospital | Limpopo | 2 747 | Elandsdoorn CRS | 191 | 4 080 | 2 040 | 102 | 9 |
| lp Mankweng Hospital | Limpopo | 2 055 | Elandsdoorn CRS | 201 | 3 080 | 1 540 | 77 | 6 |
| mp Rob Ferreira Hospital | Mpumalanga | 1 326 | Mzansi Ethical Research Centre | 189 | 2 000 | 1 000 | 50 | 4 |
| mp Witbank Hospital | Mpumalanga | 1 099 | Mzansi Ethical Research Centre | 32 | 1 640 | 820 | 41 | 3 |
| nw Klerksdorp-Tshepong Tertiary Hospital | North West | 3 856 | Aurum Institute Klerksdorp CRS | 0 | 5 760 | 2 880 | 144 | 12 |
| nw Job Shimankana Tabane Hospital | North West | 1 762 | Aurum Institute Rustenburg CRS | 1 | 2 640 | 1 320 | 66 | 6 |
| nc Robert Mangaliso Sobukwe Hospital | Northern Cape | 2 599 | Clinical HIV Research Unit (CHRU) | 520 | 3 920 | 1 960 | 98 | 8 |
| wc Groote Schuur Hospital | Western Cape | 3 847 | Groote Schuur HIV CRS | 0 | 5 760 | 2 880 | 144 | 12 |
| wc Tygerberg Hospital | Western Cape | 4 935 | FAM-CRU (Family Clinical research Unit) | 1 | 7 400 | 3 700 | 185 | 15 |
| *Please see assumptions on the next slide. Indicative allocations only. Confirmed allocations will be formally communicated with provincial HODs | | | | TOTAL | 78 880 | 39 440 | 1 972 | 164 |

Assumptions

- Private sector HCW will be vaccinated at public sector vaccination sites.
- Public sector HCW numbers were used as the base to calculate the total number of public and private sector HCWs (public : private = 2 : 1)
- Vials were rounded up to accommodate the 20 vial kits or multiples thereof
- Vaccinators were calculated using the following assumptions:
 - All doses to be administered within 14 days
 - Working days = 10 days
 - Working hours = 8 hours
 - Number of vaccinations per hour per vaccinator = 6
 - Number of vaccinations per vaccinator per day = 48

Provincial counterparts for Private Sector and Research

| Province | Provincial DoH Covid-19 Vaccine Co-ordinating Lead | Research Provincial Leads | Private sector Representative |
|----------|--|---------------------------|--|
| EC | Kidwell Matshotyana Bafana Msibi | Neil Malan | Andre Viljoen |
| FS | Ms Priscilla Monyobo Dr Sammy Mokoena | Johan Lombard | Andre Viljoen |
| GP | Dumisani Malele | Ameena Goga | Andre Joseph; Mark Bishop; Melanie Da Costa |
| KZN | Jabulani Mndebele Jack Govender | Nigel Garrett | Mark Bishop Andre Joseph |
| LP | Dr Tumi Malatji | Hugo Templeman | Andre Viljoen |
| MPU | Ms Dudu Mdluli | Saadique Tayob | Andre Joseph |
| NC | Mr Gerald Mentoer Mr Richard Jones | Ian Sanne | Andre Viljoen |
| NW | Prof John Tumbo | Craig Innes | Andre Joseph |
| WC | Juanita Arendse Krish Vallabhjee | Linda-Gail Bekker | Melanie Da Costa Andre Viljoen |

Vaccinate and save lives!