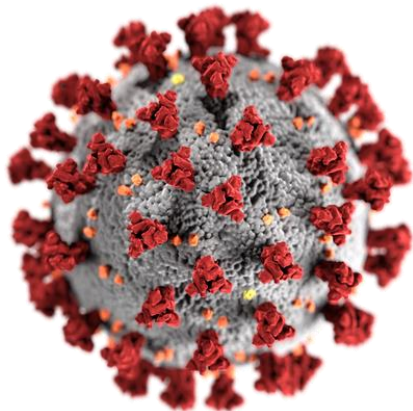


COVID-19 in Africa: Africa CDC Response and Status of COVID Vaccine

DR. Wessam Mankoula
Africa CDC Incident Manager for COVID-19

CIAN Health Commission
25 May 2021



OVERVIEW

01 Epidemiological update in Africa

02 Africa CDC Response to COVID-19 Pandemic

03 COVID-19 Vaccine Update

OVERVIEW

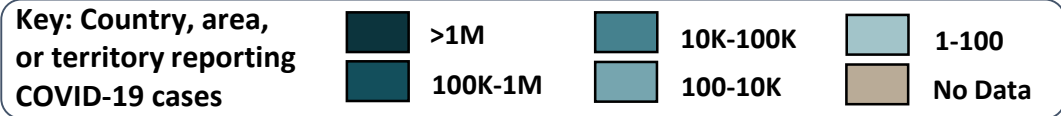
01 **Epidemiological update in Africa**

02 Africa CDC Response to COVID-19 Pandemic

03 COVID-19 Vaccine Update

Global COVID-19 Situation

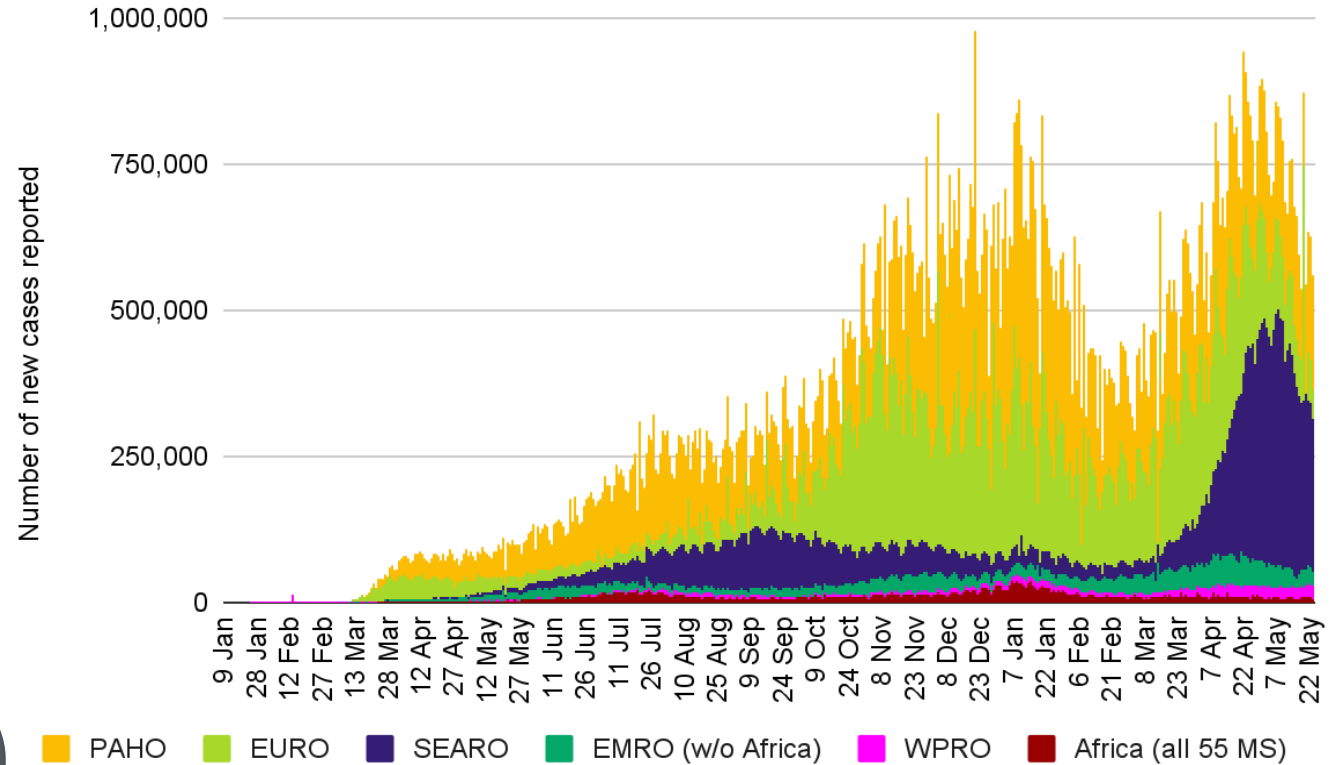
as of 4:45 pm CEST 24 May 2021



>166M
Confirmed cases

>3.4M
Deaths
CFR: 2.1%

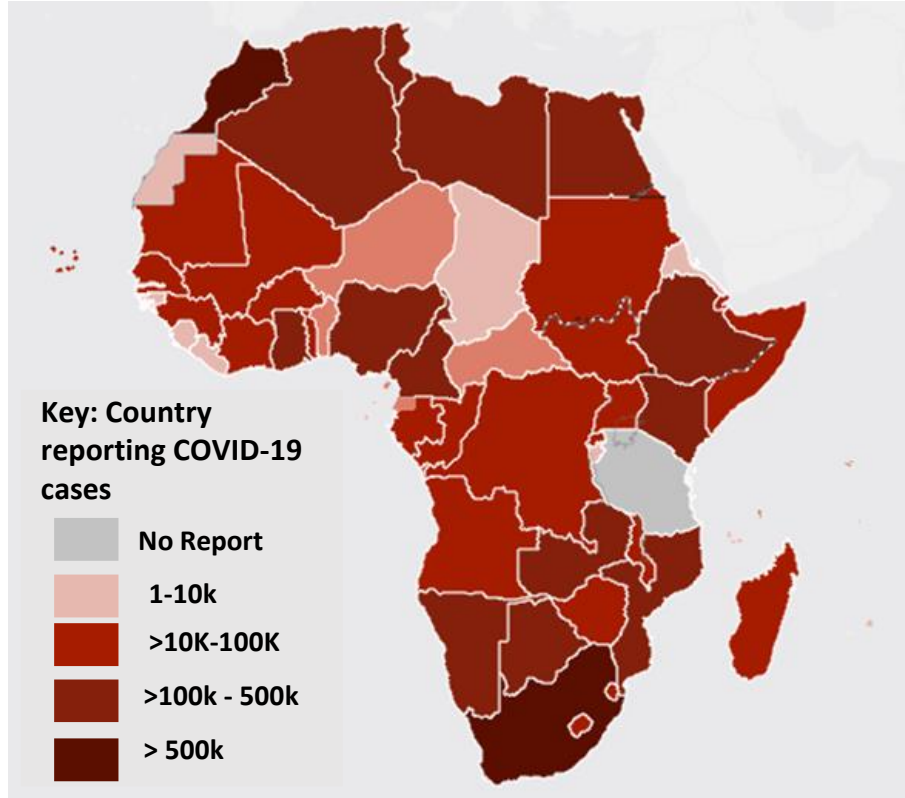
New COVID-19 cases reported daily globally by WHO region from 9 January 2020 - 24 May 2021



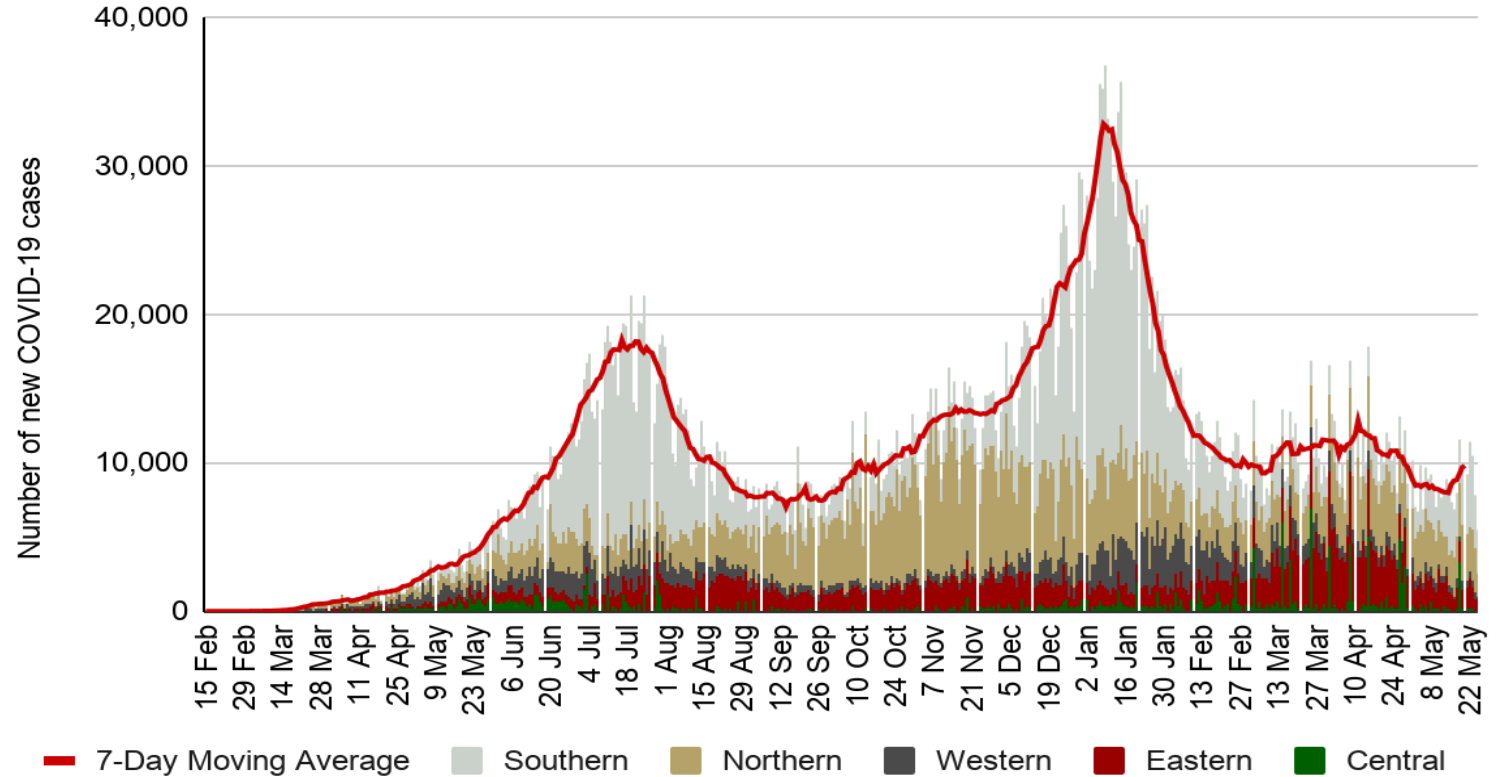
*Global numbers are taken from the latest WHO sitrep and dashboard: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports>; <https://covid19.who.int/>

COVID-19 Situation in Africa

as of 25 May 2021, 9am EAT



New COVID-19 cases* reported in Africa daily by AU Region from 15 February 2020 – 25 May 2021



<p>>4.7M cases</p>	<p>>128K deaths CFR: 2.7%</p>	<p>>4.3M recoveries 90%</p>
----------------------------------	---	---

*Africa numbers are taken from official RCC and Member State reports.

as of 25 May 2021, 9am EAT

Region	New* Epi Week 20: 17 - 23 May 2021			Cumulative 25 May 2021 9am			
	New* Cases	New* Deaths	New* Recoveries	Total Cases	Total Deaths	Cumulative CFR (%)	Total Recoveries
TOTAL	58,982	2,115	59,477	4,768,416	128,718	2.7	4,316,330
Central	4,257	47	2,402	171,387	2,690	1.57	154,990
Eastern	9,767	279	13,830	641,757	12,456	1.94	528,149
Northern	22,887	991	18,452	1,439,142	43,339	3.01	1,267,701
Southern	18,888	763	20,362	2,045,333	64,028	3.13	1,920,902
Western	3,183	35	4,431	470,797	6,205	1.32	444,588

*Africa numbers are taken from official RCC and Member State reports.

New COVID-19 cases* reported/1 million population per day by AU Member State

Epi week 20 (17 - 23 May 2021)

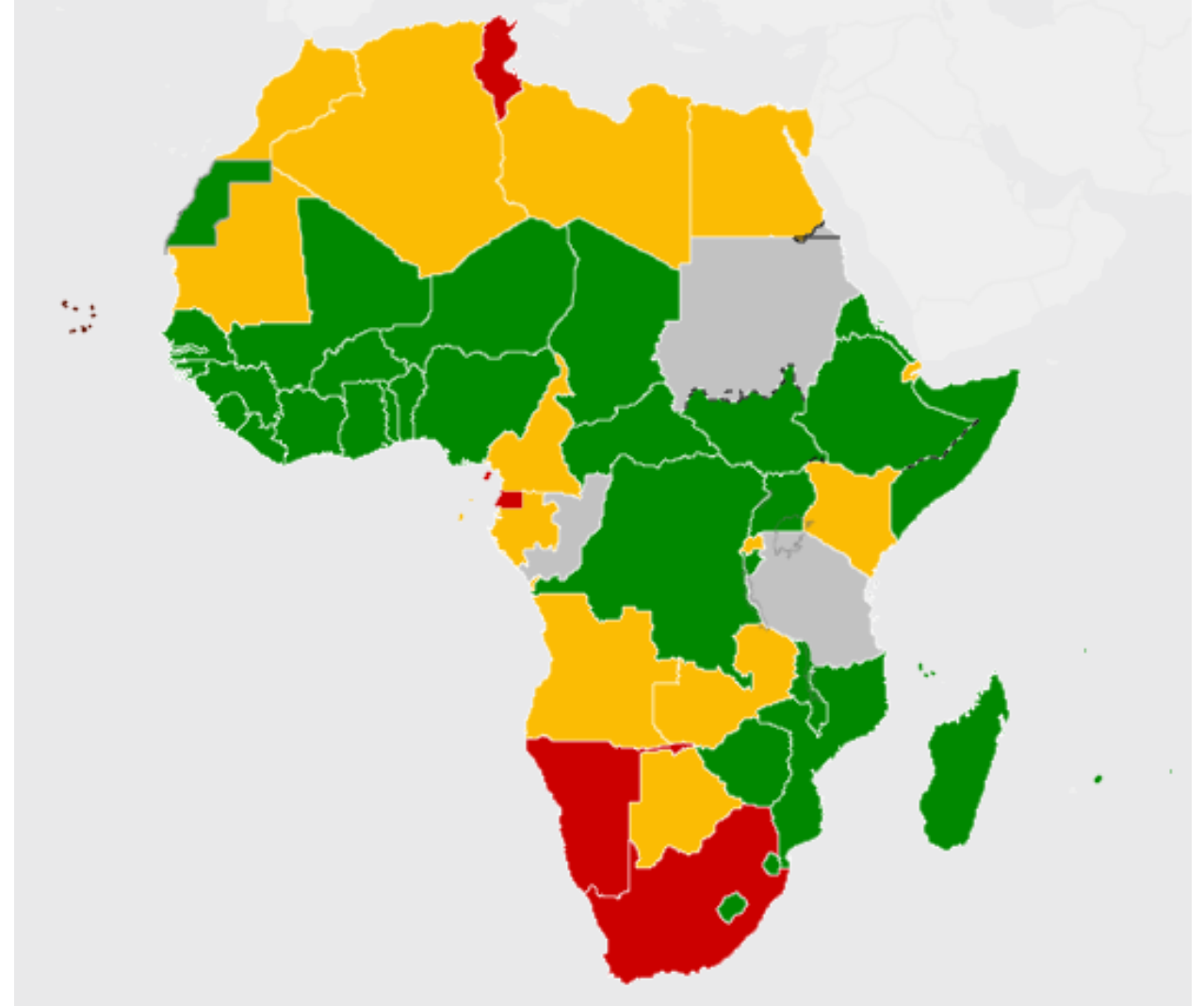
3
countries
No information

32
countries
<5 cases/1M/day

14
countries
5-50 cases /1M/day

4
countries
>50-100 cases /1M/day

2
countries
>100 cases /1M/day



*cases/1,000,000 population as reported from official RCC and Member State reports.

Case fatality rate* (CFR) by AU Member State

Epi week 20 (17 - 23 May 2021)

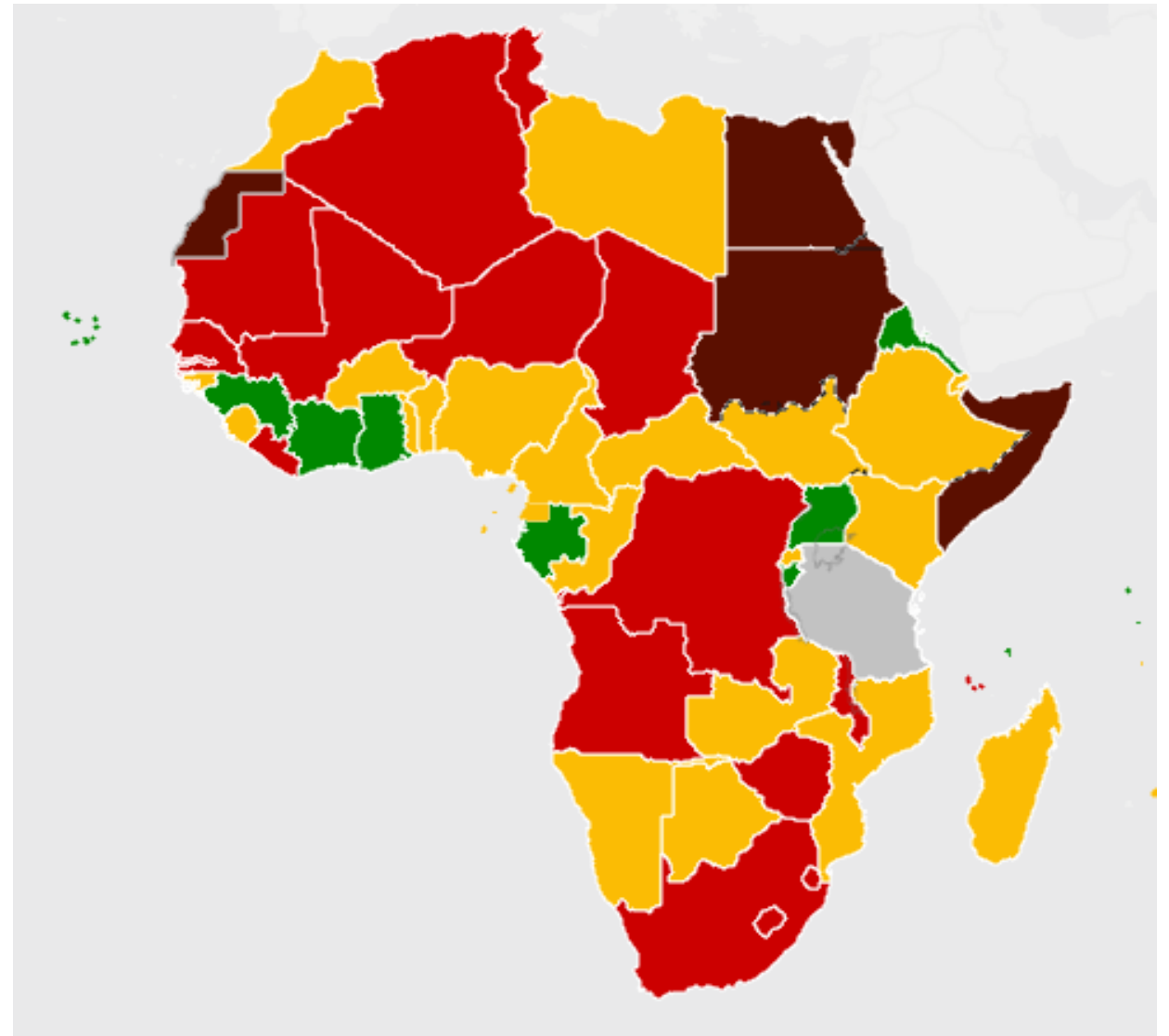
1
country
No information

10
MS reporting <1%

23
MS reporting 1-2.1%

17
MS reporting >2.1-5%

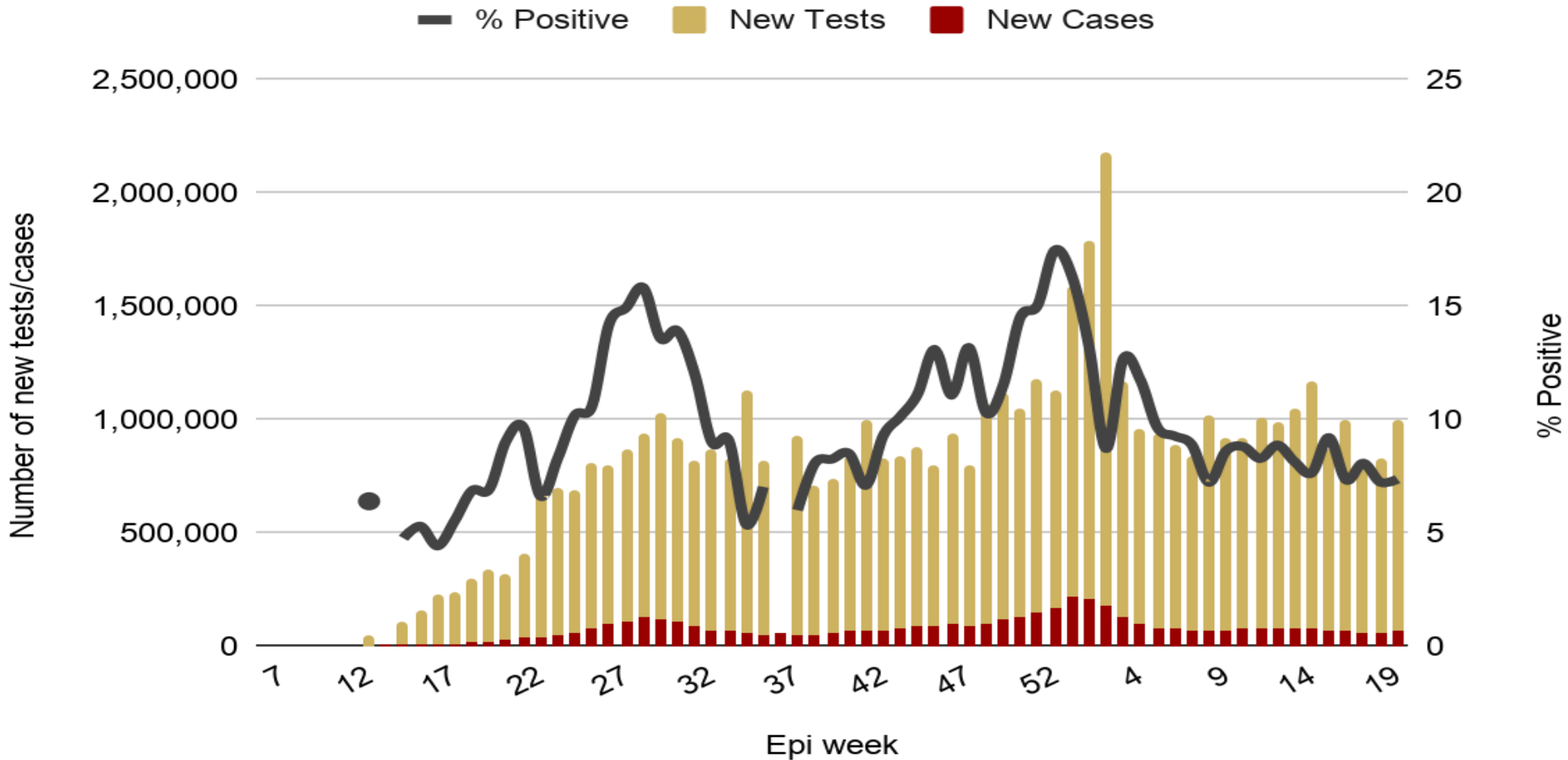
4
MS reporting >5%



*Africa numbers are taken from official RCC and Member State reports.

14 February 2020 - 25 May 2021

New COVID-19 tests* reported in Africa by week from 16 February 2020 – 24 May 2021



>46.9M
tests conducted

9.8
tests per reported case

10.2%
positivity rate

*Africa numbers are taken from official RCC and Member State reports.

COVID-19 testing performance: Tests per case ratio by country

as of 23 March 2021 9am EAT

1
country
No information

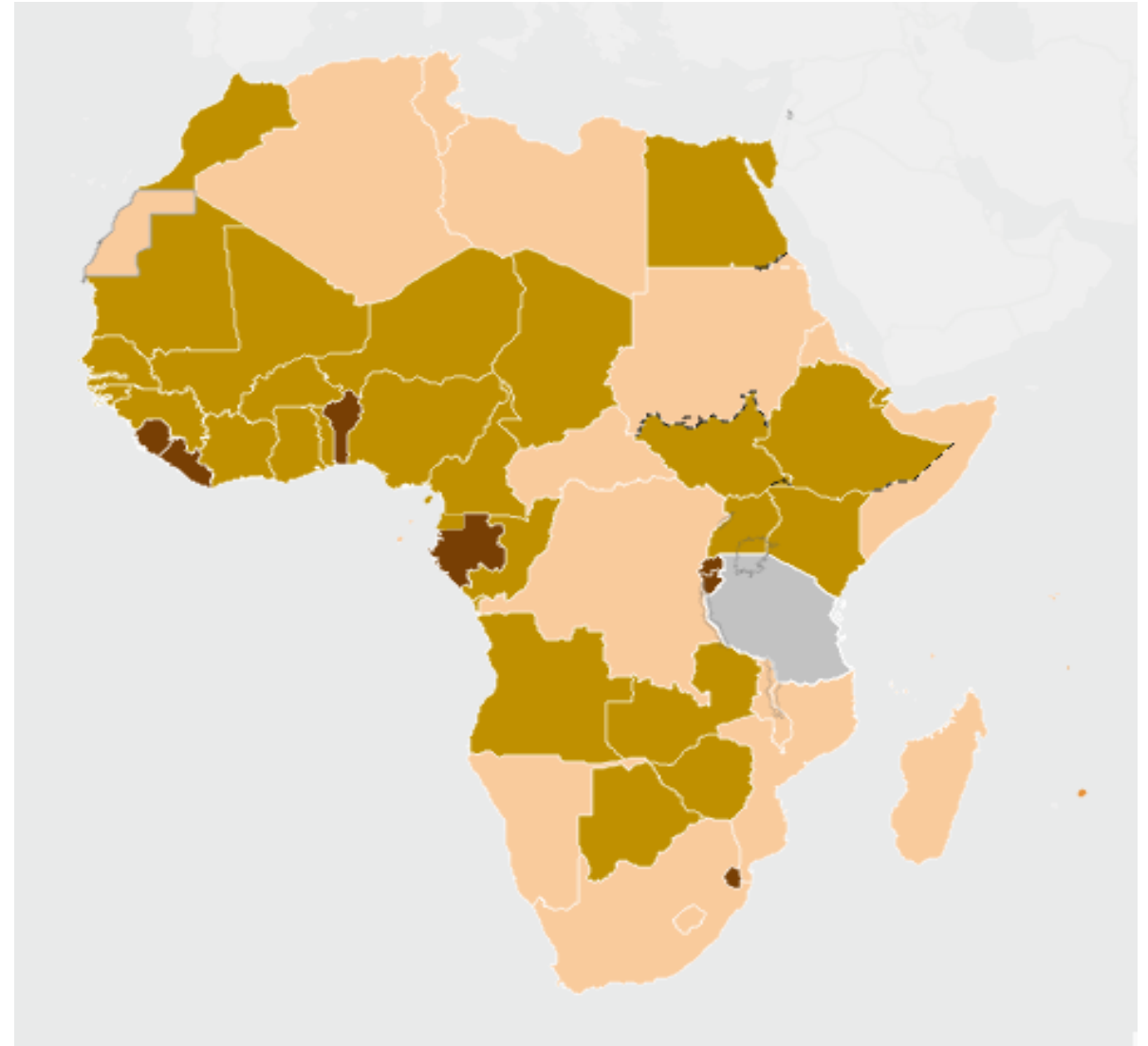
19
countries
<10 tests/case

27
countries
10 - 30 tests/case

7
countries
31 - 100 tests/case

1
country
>100 tests/case

Min: 0.8 Tests/Case Max: 364 Tests/Case



*Africa numbers are taken from official RCC and Member State reports.

OVERVIEW

01 Epidemiological update in Africa

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The six-pronged approach

1. Africa Joint Continental Strategy for COVID-19 Outbreak

Enhance cooperation, collaboration, coordination and communication for COVID-19 response

2. Africa Task Force for Coronavirus (AFTCOR)

Steering committee comprising representatives of public health and research institutions, MOH, NGOs, Africa CDC staff, multilateral and bilateral organizations, UN entities

3. Partnership to Accelerate COVID-19 Testing in Africa (PACT)

To mobilize partnerships, experts, community workers, supplies, etc. to enhance COVID-19 testing, tracing and treatment

4. Africa Medical Supplies Platform (AMSP)

One-stop online marketplace for procurement and supply of COVID-19-related diagnostics, medicines and medical equipment

5. COVID-19 Vaccine Strategy

Strategy to accelerate progress on COVID-19 vaccination in Africa

6. Africa Against COVID-19: Saving Lives, Economies, and Livelihoods

Promoting harmonized, standardized and coordinated entry and exit requirements for AU Member States through digital solutions

1. Africa Joint Continental Strategy for COVID-19 Outbreak

Aim:

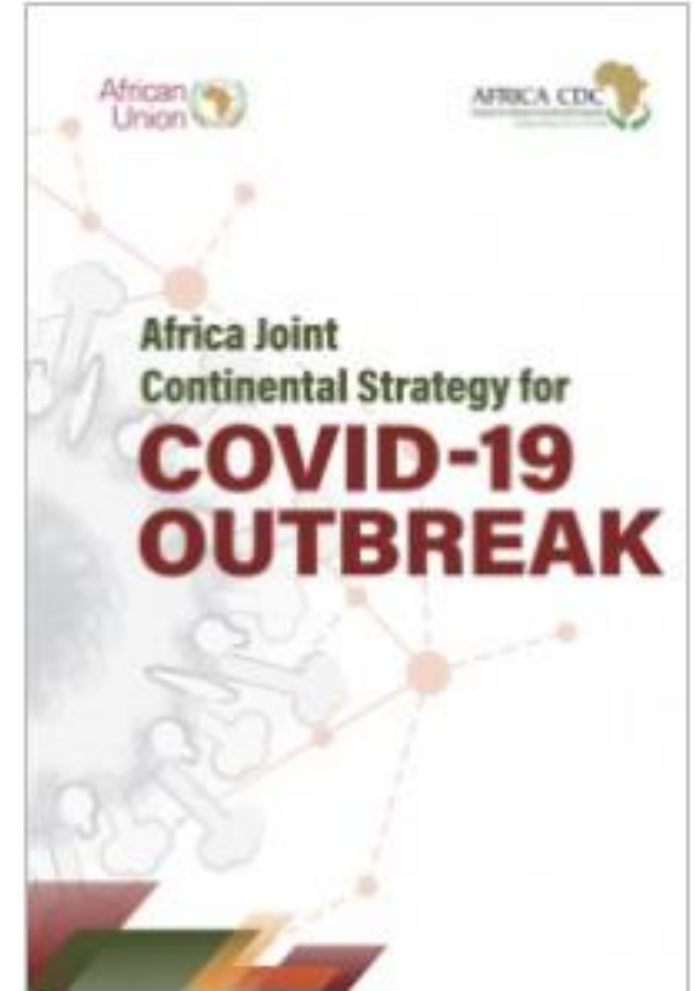
Enhance cooperation, collaboration, coordination and communication for COVID-19 response

Goals

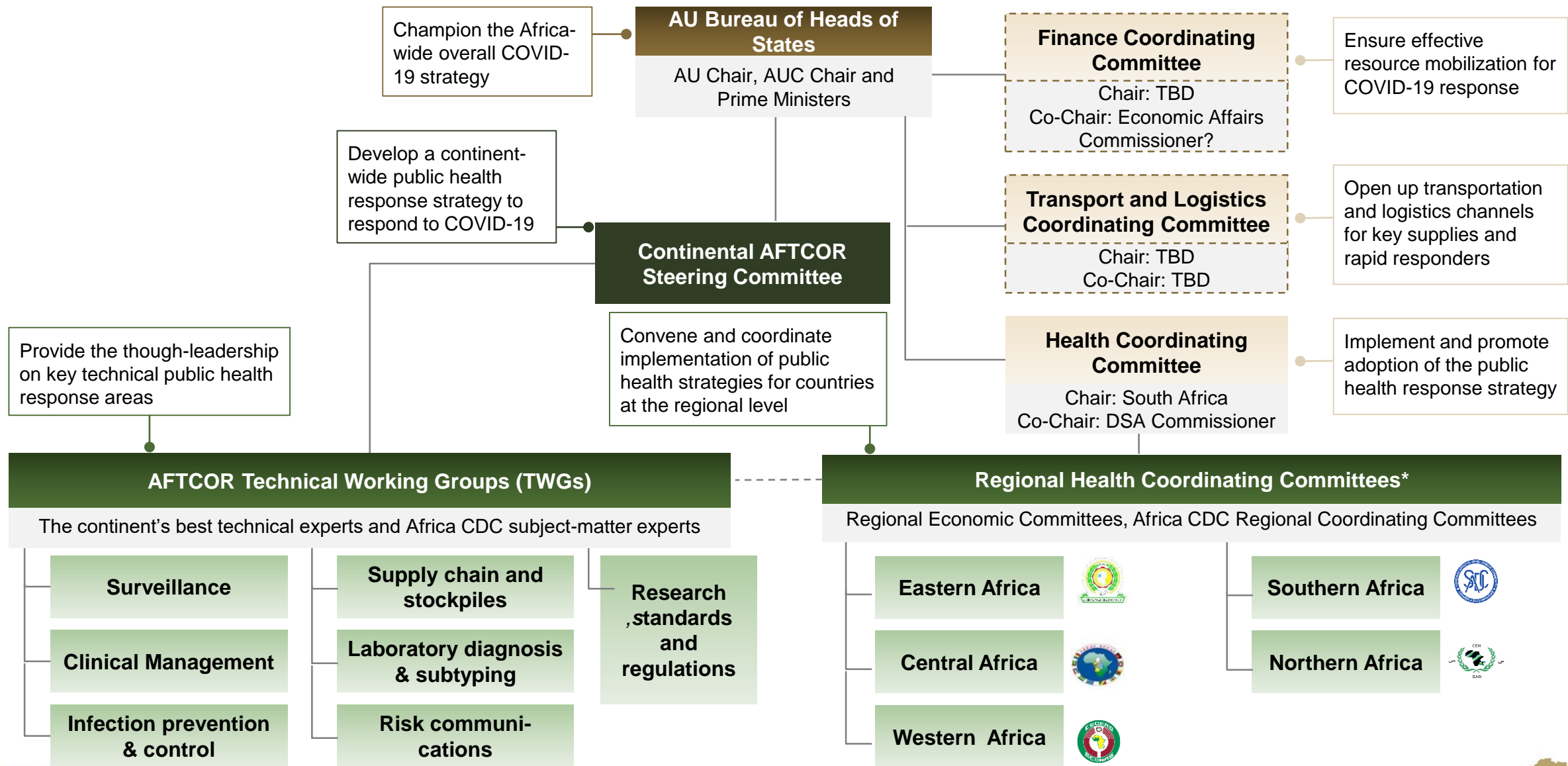
- Prevent severe illness and death from COVID-19 infection in Member States
- Minimize social disruption and economic consequences

Objectives

- Coordinate efforts of Member States, African Union agencies, World Health Organization, and other partners to ensure synergy and minimize duplication
- Promote evidence-based public health practice for surveillance, prevention, diagnosis, treatment, and control of COVID-19



2. Africa Task Force for Coronavirus (AFTCOR)



*The REC coordinating Committees will align with the AFTCOR TWGs

3. Partnership to Accelerate COVID-19 Testing in Africa (PACT)



TEST, TRACE AND TREAT



Partnership to accelerate COVID-19 testing (PACT) in Africa

Africa CDC, in collaboration with partners and Member States, aims to achieve the following

PACT targets in Africa by October 2020



10 million
COVID-19 tests conducted



1 million
Community health workers deployed



100,000
Healthcare workers trained to support COVID-19 response



1
Procurement platform established, continent-wide for laboratory and medical supplies

3. Partnership to Accelerate COVID-19 Testing in Africa (PACT)

Key Achievements:

- More than **45 Million** tests in Africa (Africa CDC distributed over 10 million COVID-19 RT-PCR and Ag testing kits)
- Workforce development: **73,869 HCW** trained
- CHWs program established in Africa CDC and deployed CHWs in **23 countries**
- **AMSP** platform developed

4. Africa Medical Supplies Platform (AMSP)



AMSP unlocks immediate access to an African & global base of vetted manufacturers and procurement strategic partners and enables African Union Member States to purchase certified medical equipment such as diagnostic kits, PPE and clinical management devices with increased cost effectiveness & transparency.

The platform serves as a unique interface enabling volume aggregation, quota management, payment facilitation as well as logistics & transportation to ensure equitable & efficient access to critical supplies for African governments.

Stockpiling and Emergency Supply Chain

- Over 336 distribution flights
- Over 1610 tones of commodities

Over 131 million USD worth of goods

Distribution of over 10 million covid-19 tests

Over 12 Million Masks

9 Million doses of Dexamethasone

887 Ventilators & 1420 Oxygen Concentrator

5. Africa Against COVID-19: Saving Lives, Economies, and Livelihoods



Protecting Borders and Travel

1. **Harmonized and COVID-19 testing certification for border-crossing**
2. **"E-Health" networks for contact tracing**
3. **Mutual recognition and cross-border information exchange**



Protecting Economies and Livelihoods

1. **Share data in inter- and intra-economic regions**
2. **Enhance surveillance at business points**
3. **Partnership with private sector**



Protecting Schools

Leverage and scale up PACT to:


1. **boost surveillance of COVID-19**
2. **assess risk of COVID-19 in community**
3. **strengthen public health measures**

5. Africa Against COVID-19: Saving Lives, Economies, and Livelihoods


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PanaBIOS | **ECONET**


Select Language
Powered by Google Translate

DummyTraveler 


Africa CDC Trusted Travel Apps Portal




Travel Requirements
Check travel requirements for your travel here
XChange



Digital Test Results
Check your COVID-19 test results here
TrustedTesting



Health Status Report




The Africa Centres for Disease Control and Prevention (Africa CDC) launched the Saving Lives, Economies and Livelihoods

African Union | AFRICA CDC


AFRICA AGAINST COVID-19

Saving Lives, Economies and Livelihoods in Africa



Promoting harmonized, standardized and coordinated entry and exit for travellers in African Union Member States through digital solutions

Supporting with:



OVERVIEW

01 Epidemiological update in Africa

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6. The Africa COVID-19 Vaccine Development and Access Strategy:

1 Accelerate African involvement in clinical development



Consortium for COVID-19 Vaccine Clinical Trial (CONCRACT) – ensure Africa participates in COVID-19 vaccine clinical trials to test safety and efficacy, while strengthening Africa’s capacity for running high quality clinical trials

2 Ensure Africa’s access to sufficient vaccine supply



Access, financing and procurement – secure timely, sufficient and equitable doses for all Member States



Manufacturing – scale-up African vaccine manufacturing capacity to produce of COVID-19 vaccines in the longer-term

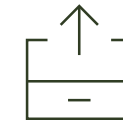
3 Prepare for at-scale delivery of the vaccine in Africa



Regulatory – enable rapid regulatory decisions and ongoing safety monitoring



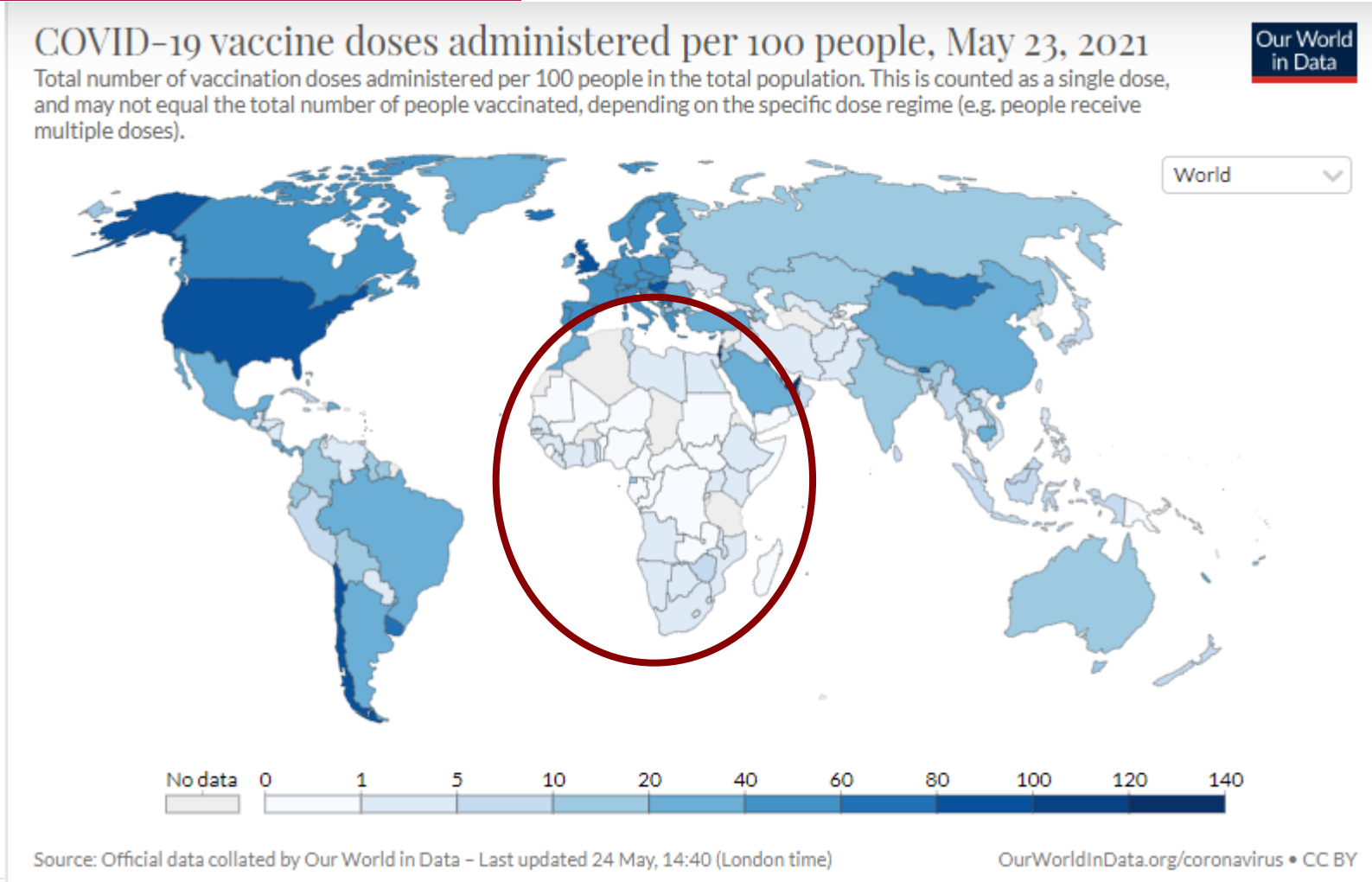
Delivery – ensure effective supply chains and immunization activities



Uptake – engage communities to maximize vaccine acceptance and uptake

COVID-19 VACCINATION IN THE WORLD | SLOW ROLLOUT IN AFRICA

Cumulative COVID-19 vaccinations per 100 people



COVID-19 VACCINATION IN THE WORLD | VACCINE COVERAGE



WRAL.com 57°

Menu 1 Alert Feeds

NATIONAL NEWS

Fauci: 80 percent of Americans must be vaccinated before return to normalcy



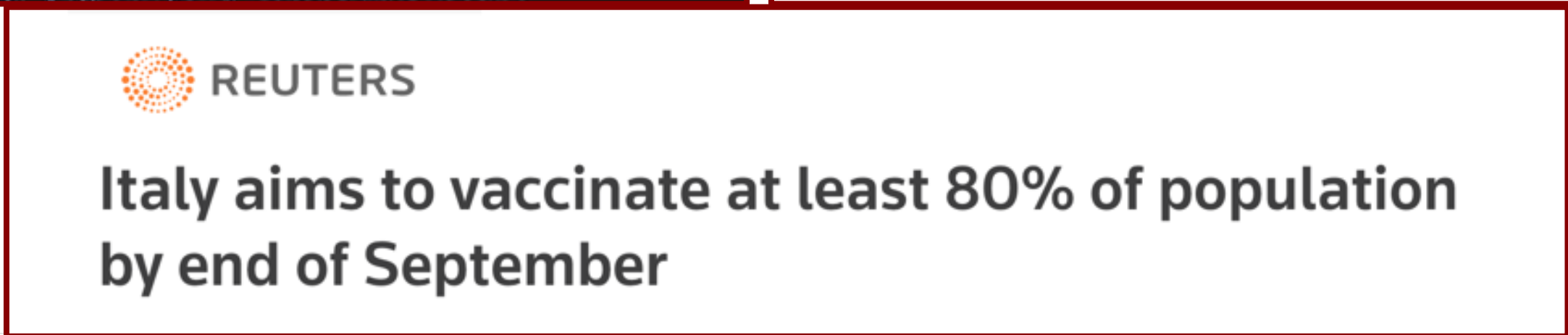
SHINE BEYOND A SINGLE STORY

NEWS / NATION

China aims to vaccinate 70-80% of population by mid-2022

Shine

00:57 UTC+8, 2021-03-15



REUTERS

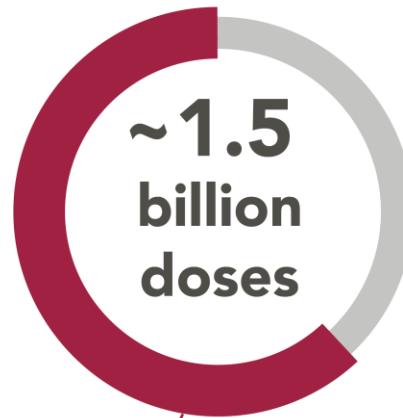
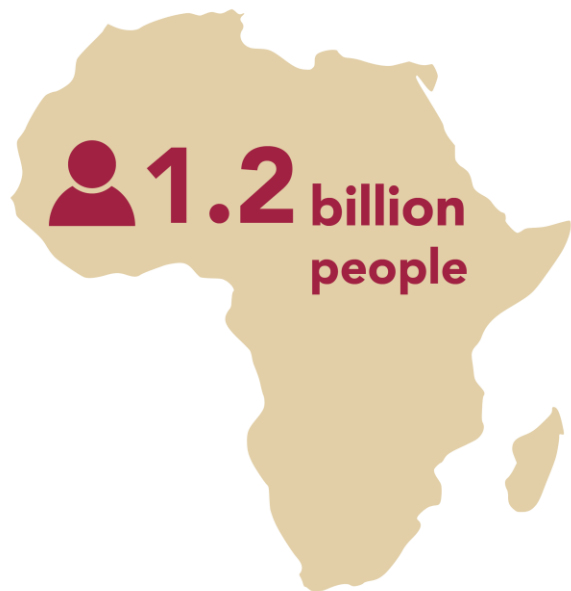
Italy aims to vaccinate at least 80% of population by end of September

ACCESS TO SUFFICIENT VACCINE SUPPLY | **NEED**

What is needed to achieve **herd immunity**?

Vaccinating **60%** of the African population is expected to cost **USD 10-15 billion**.

We need to recognize the **urgency of now** and take quick, collective action.



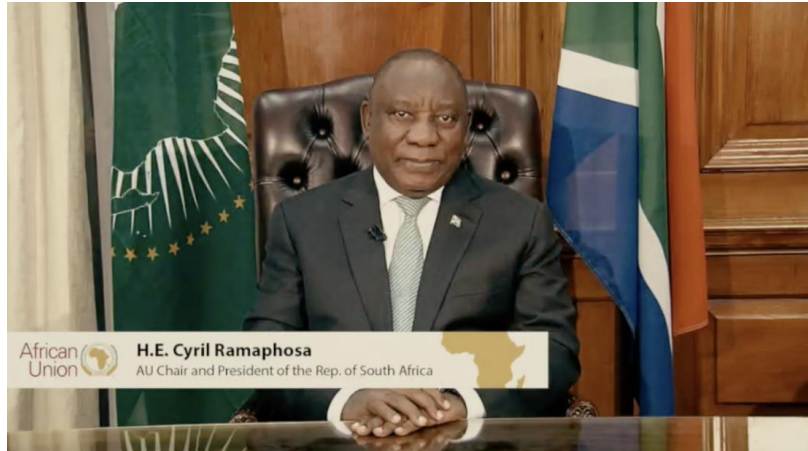
To vaccinate **60%** of the population



*Estimated vaccine purchase and delivery cost

1 Assumptions: 1.2 billion population, 2 dose regimen, country income group price tiering; wastage: 10% (lower bound), 20% (upper bound); delivery \$1.8/dose (lower bound), \$3.5/dose (upper bound)

ACCESS TO SUFFICIENT VACCINE SUPPLY | NEED



Establishment of African Vaccine Acquisition Task Team (AVATT)

In his opening remarks, His Excellency President Ramaphosa outlined the objective of the Meeting, namely to assess options for acquisitions and financing of COVID-19 vaccines in Africa. While recognizing that the Continent has made remarkable progress in the fight against the COVID-19 pandemic, he noted that Africa needed to urgently implement its vaccine strategy, with a focus on acquisition and financing, in order to fully control the spread of the virus. He stressed that Africa should take appropriate measures, as part of the strategy, to secure timely access to COVID-19 vaccines when they become available.

President Ramaphosa further noted that about \$12 billion was required, and this was expected to come from three sources: the COVAX Donor Initiative, The World Bank, direct donors, and African Import Export Bank, which has committed to raise up to \$5 billion.

COVID-19 VACCINES IN AFRICA | AFRICAN COVID-19 VACCINE ACQUISITION TASK TEAM (AVATT)

African Vaccine Acquisition Task Team (AVATT)

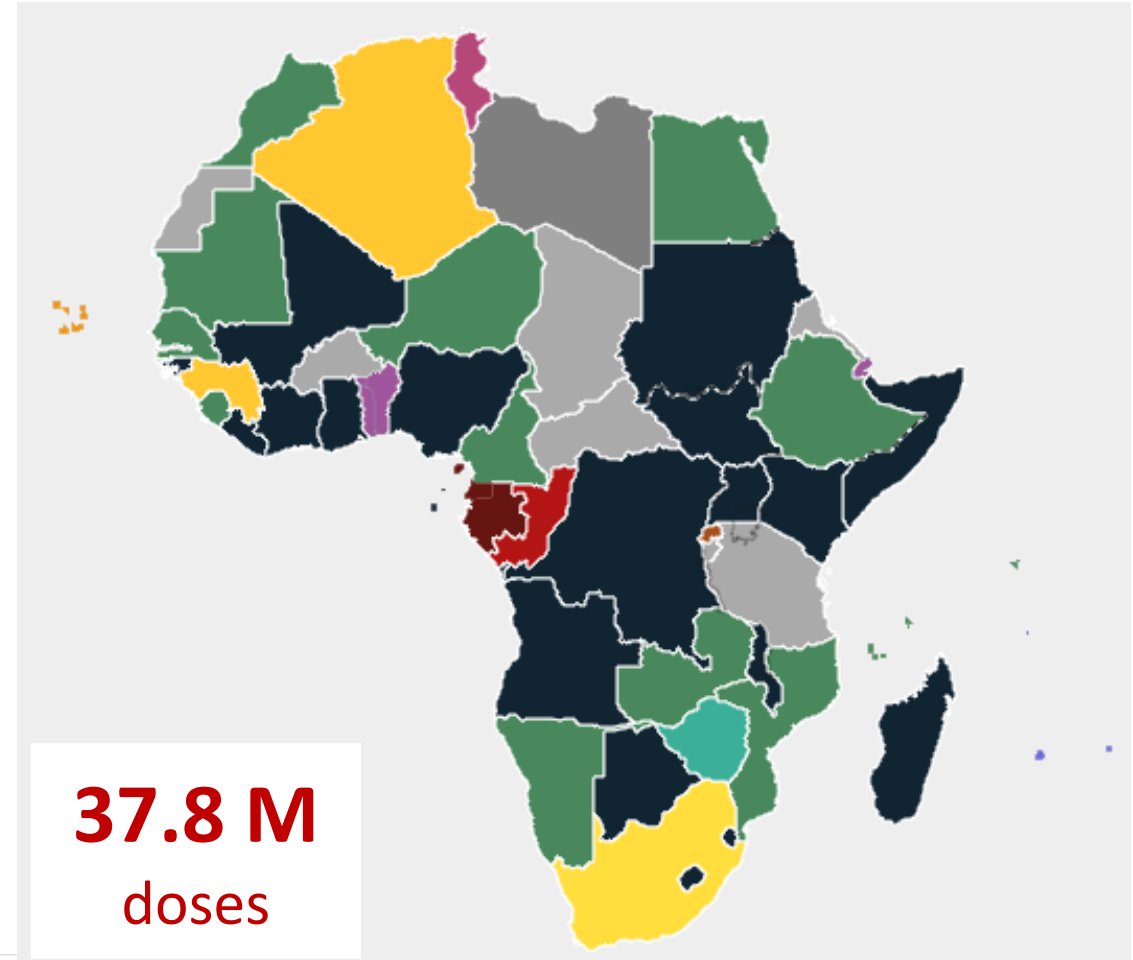
- **African Union initiative** to complement vaccine acquisition efforts
- **AZ vaccine: 270 million doses** provisionally secured (On hold)
- **J&J: 220 Million doses Secured** and potential additional 180 million doses



COVID-19 VACCINES IN AFRICA | STATUS OF VACCINE ACQUISITION

Type of vaccine acquired by Member States - 19 May 2021

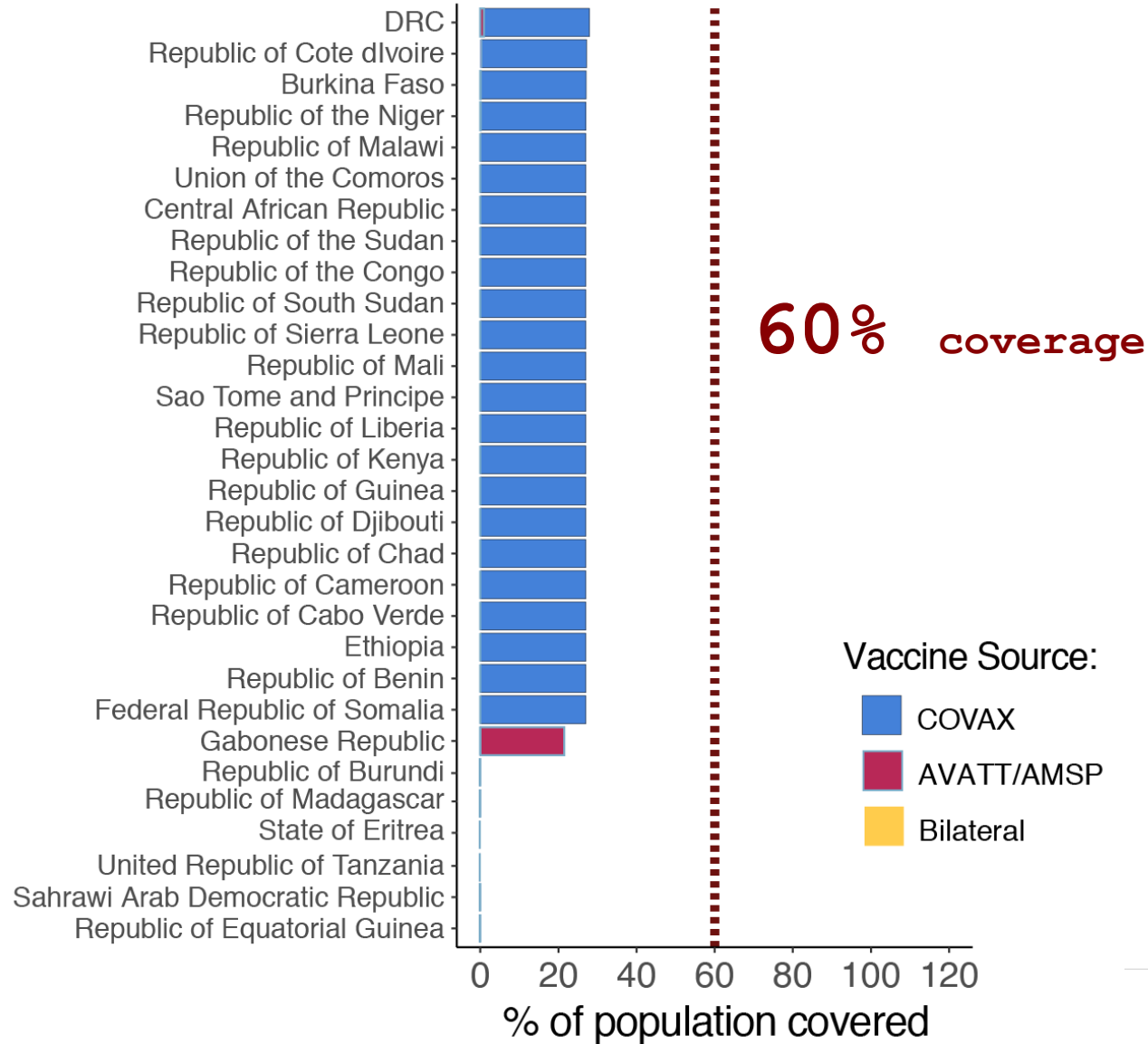
- AstraZeneca (20)
- AstraZeneca Sinopharm (13)
- AstraZeneca Sinopharm Sputnik V (2)
- AstraZeneca BioNTech (1)
- AstraZeneca BioNTech Moderna (1)
- AstraZeneca Sinovac (3)
- AstraZeneca Sputnik V Covaxin (1)
- Sinopharm (2)
- Sinopharm Sputnik V (1)
- Sinopharm Sputnik V Sinovac Covaxin (1)
- Sinopharm Sputnik V BioNTech Sinovac (1)
- BioNTech J&J (1)
- AstraZeneca Sputnik V (1)
- No Data (7)



COVID-19 VACCINES IN AFRICA | STATUS OF VACCINE ACQUISITION

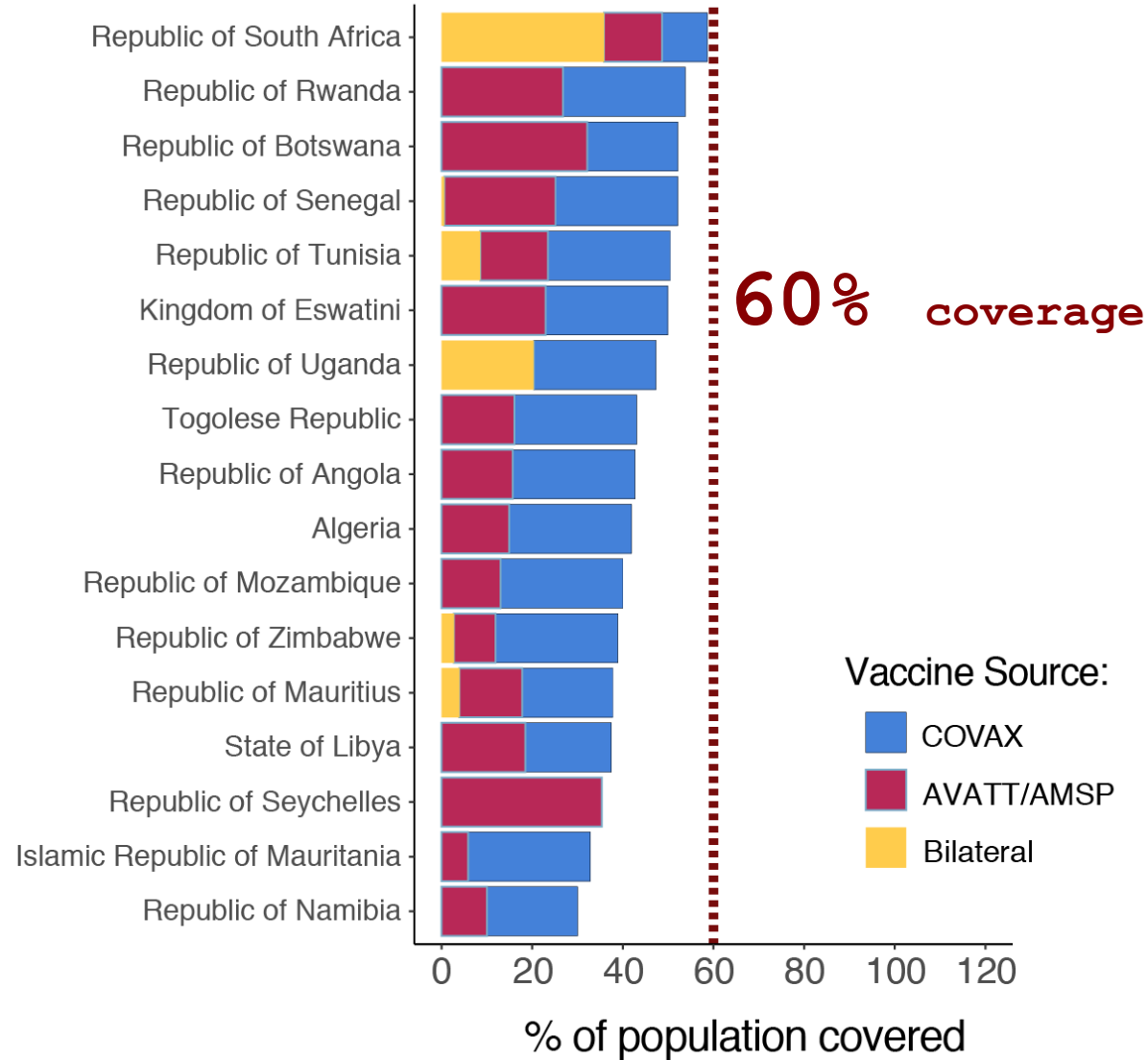
24
countries with
<30% coverage

6
countries
with no data



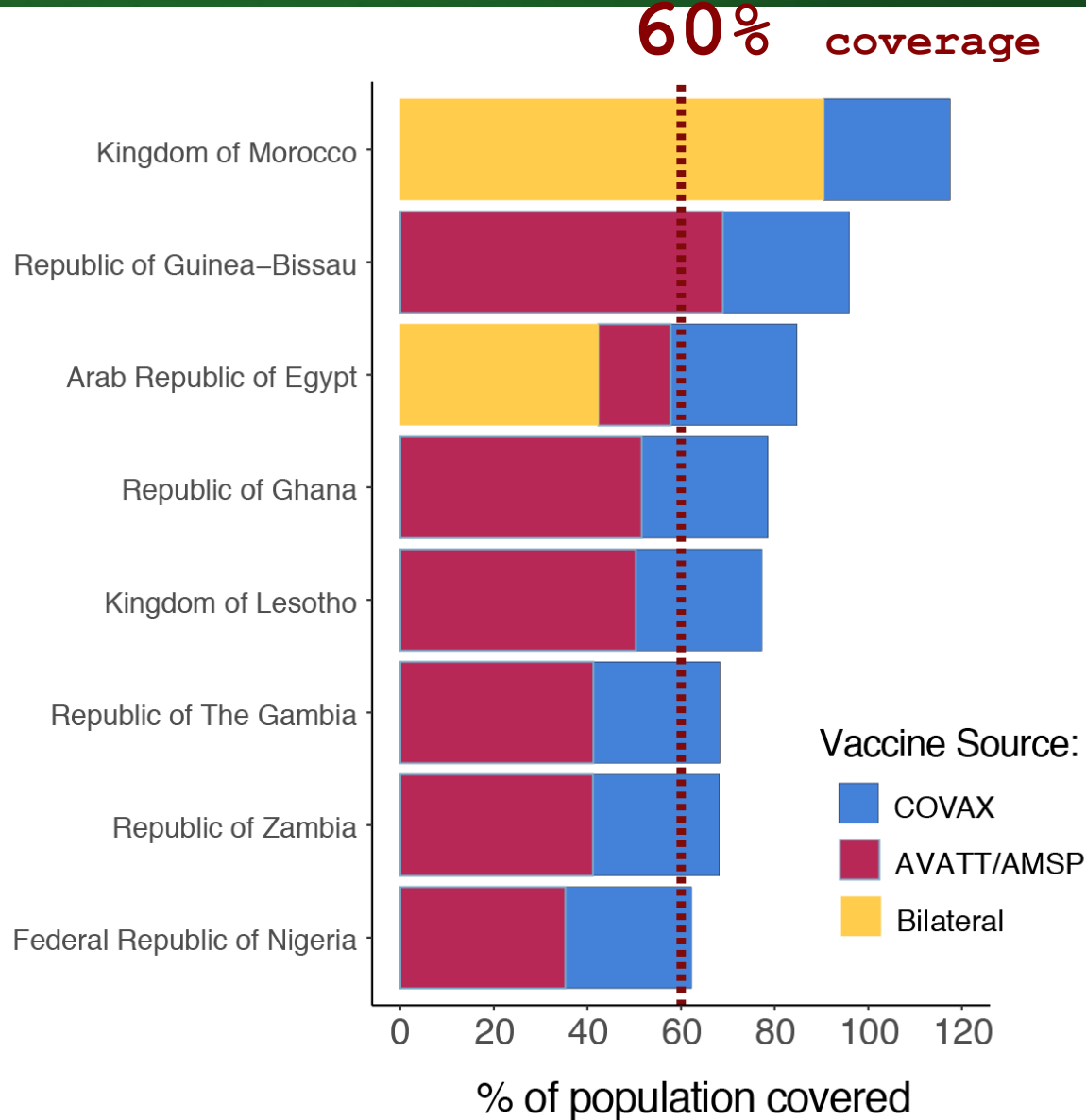
COVID-19 VACCINES IN AFRICA | STATUS OF VACCINE ACQUISITION

17
countries with
30-60% coverage

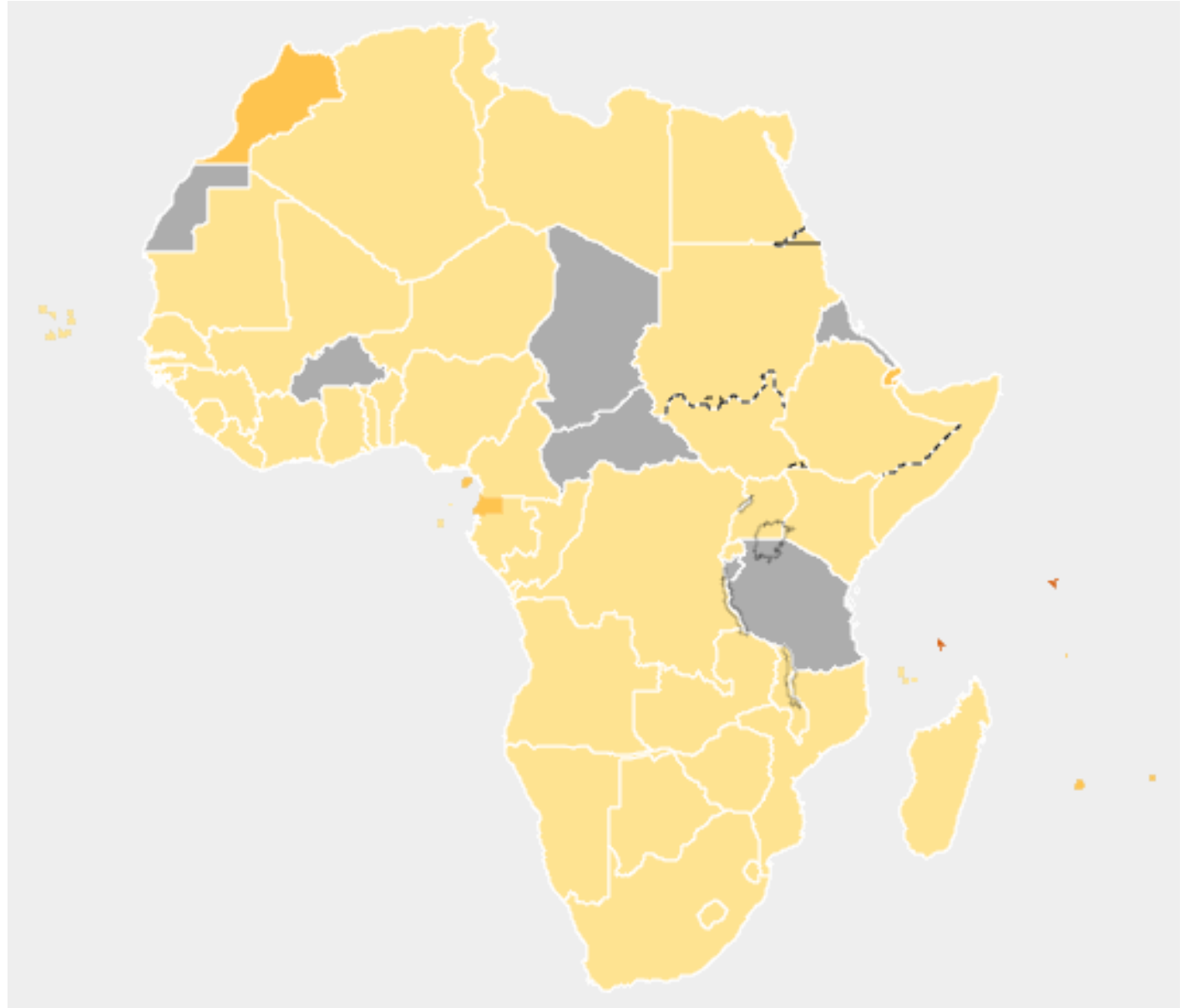
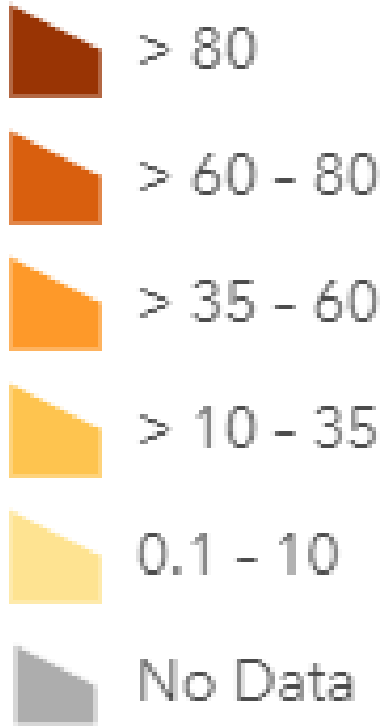


COVID-19 VACCINES IN AFRICA | STATUS OF VACCINE ACQUISITION

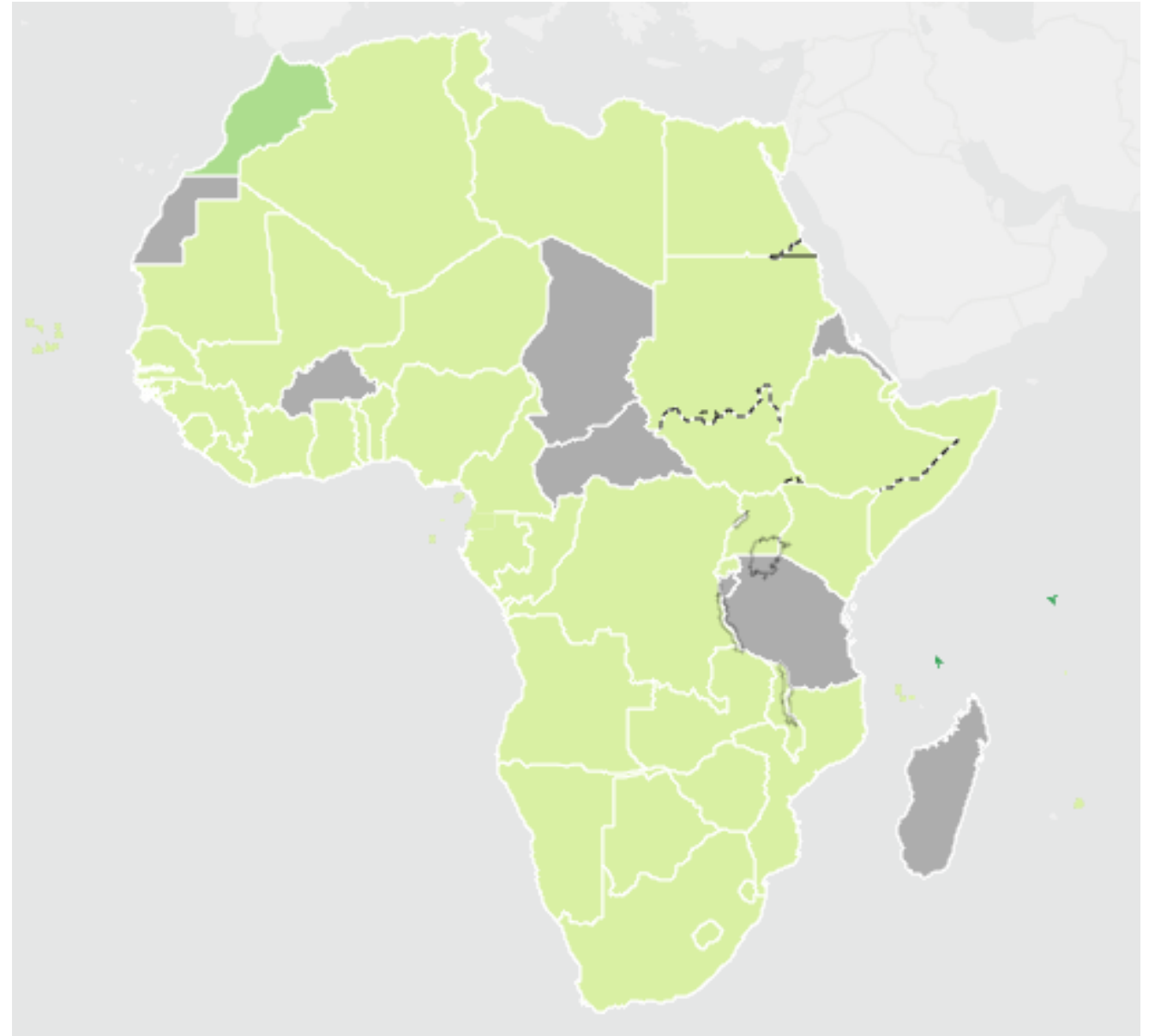
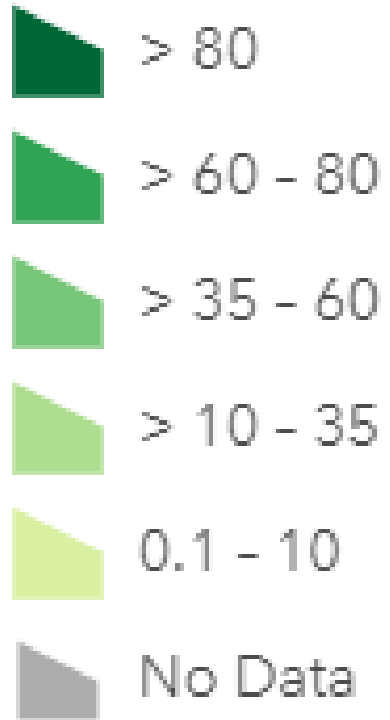
8 countries with >60% coverage



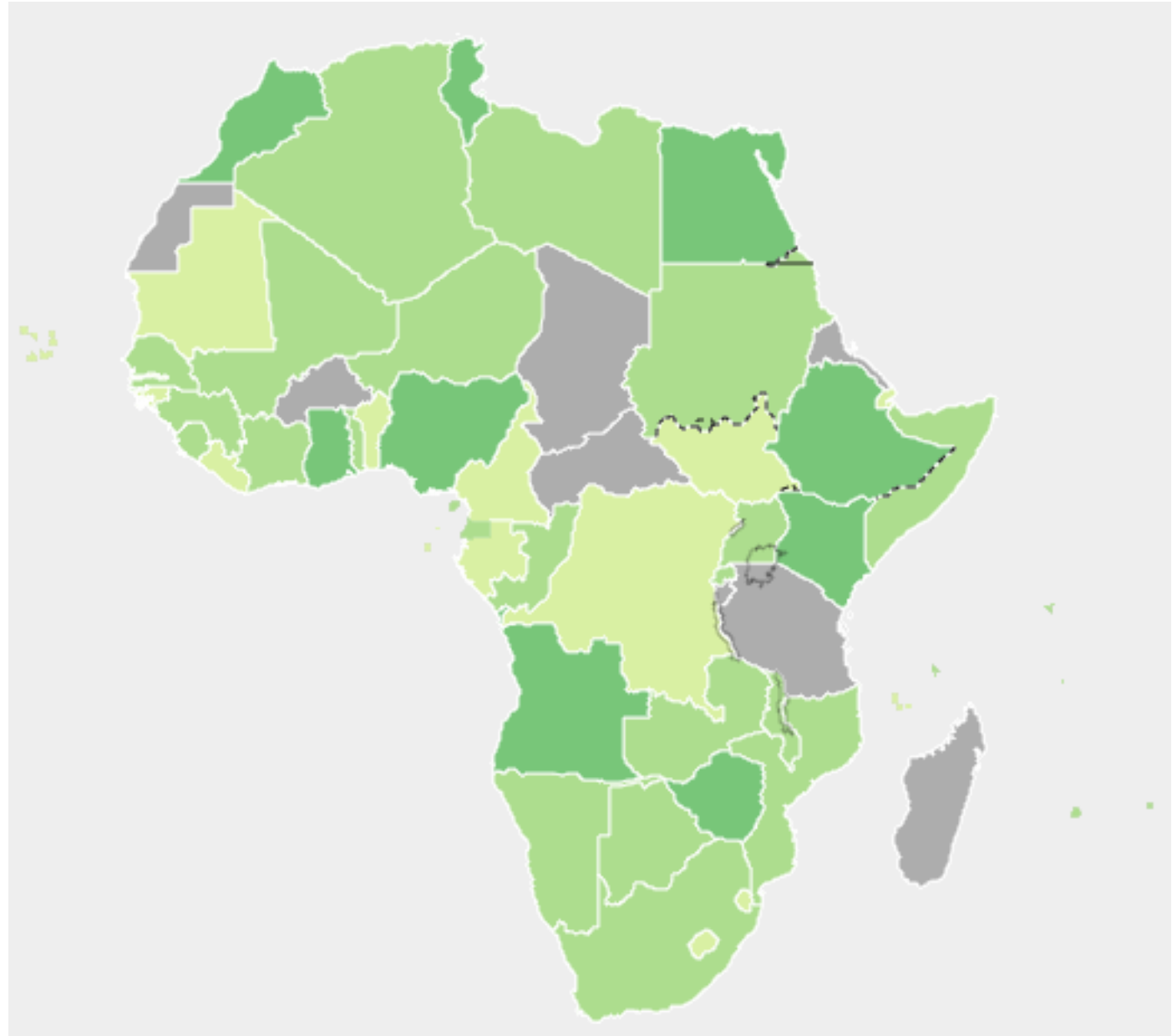
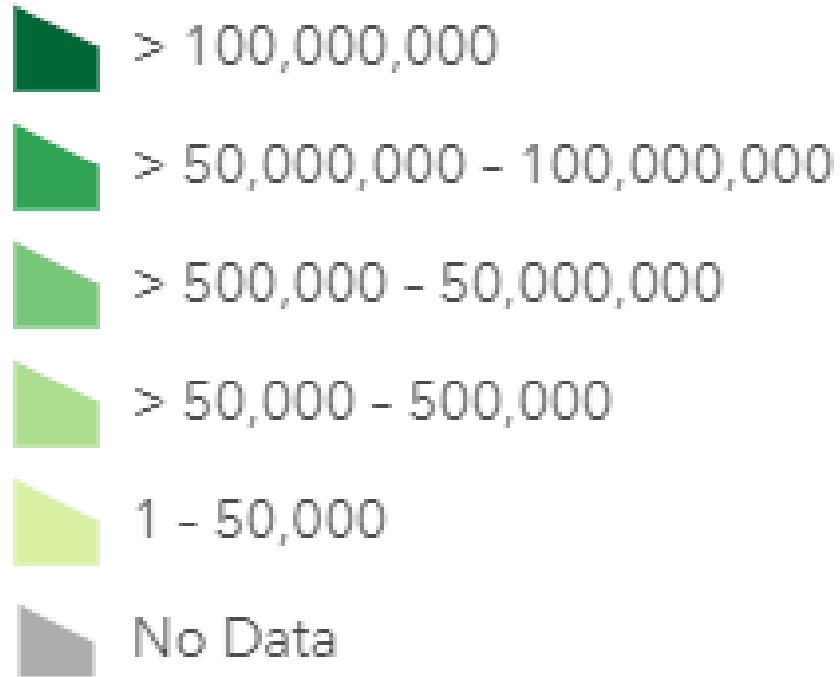
% Coverage by procured amount



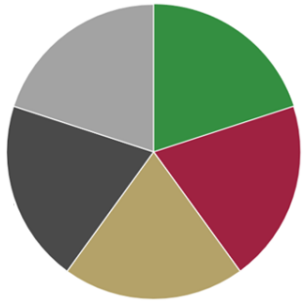
% Coverage by administered amount



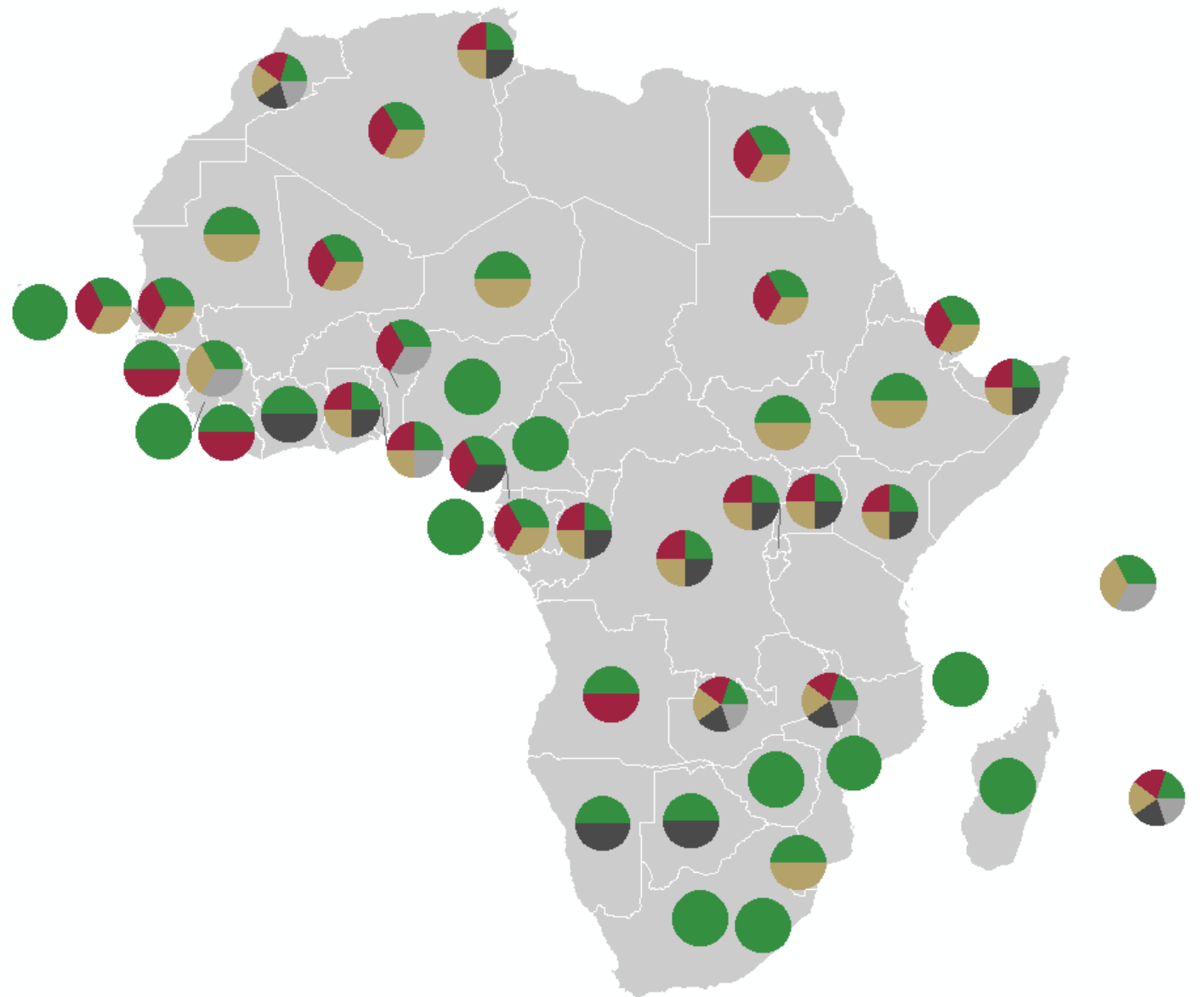
Total amount administered



Target population(s) that MS is focusing on first



- HCW
- PWC
- 50YO or older
- Frontline/Essential Worker
- Leaders/Prisoners



Vaccine Administered (Total)	64.16% of supply
Vaccine Administered (1 dose)	1.42% of population
Vaccine Administered (2 doses)	0.39% of population
Vaccination completed	0.42% of population

Vaccines + Vaccinations = Saved Lives



Vaccination Centers

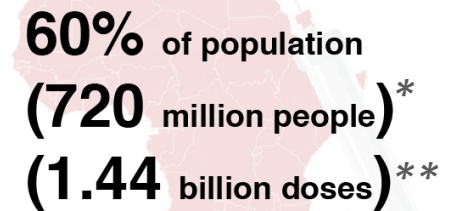
Facility: storage & vaccination

Personnel: vaccinators, nurses and other non-clinical staffs

Supplies: gloves, masks, face shields, syringes, needles, alcohol preps

IT infrastructure

Community engagement



60% of population
(720 million people)*
(1.44 billion doses)**

**Population estimate of Africa = 1.2 billion people*

*** Population estimate of Africa = 1.2 billion people*

COVID-19 VACCINES IN AFRICA | 3 CRITICAL CHALLENGES



Access to COVID-19 vaccines: global scramble for scarce vaccine supplies

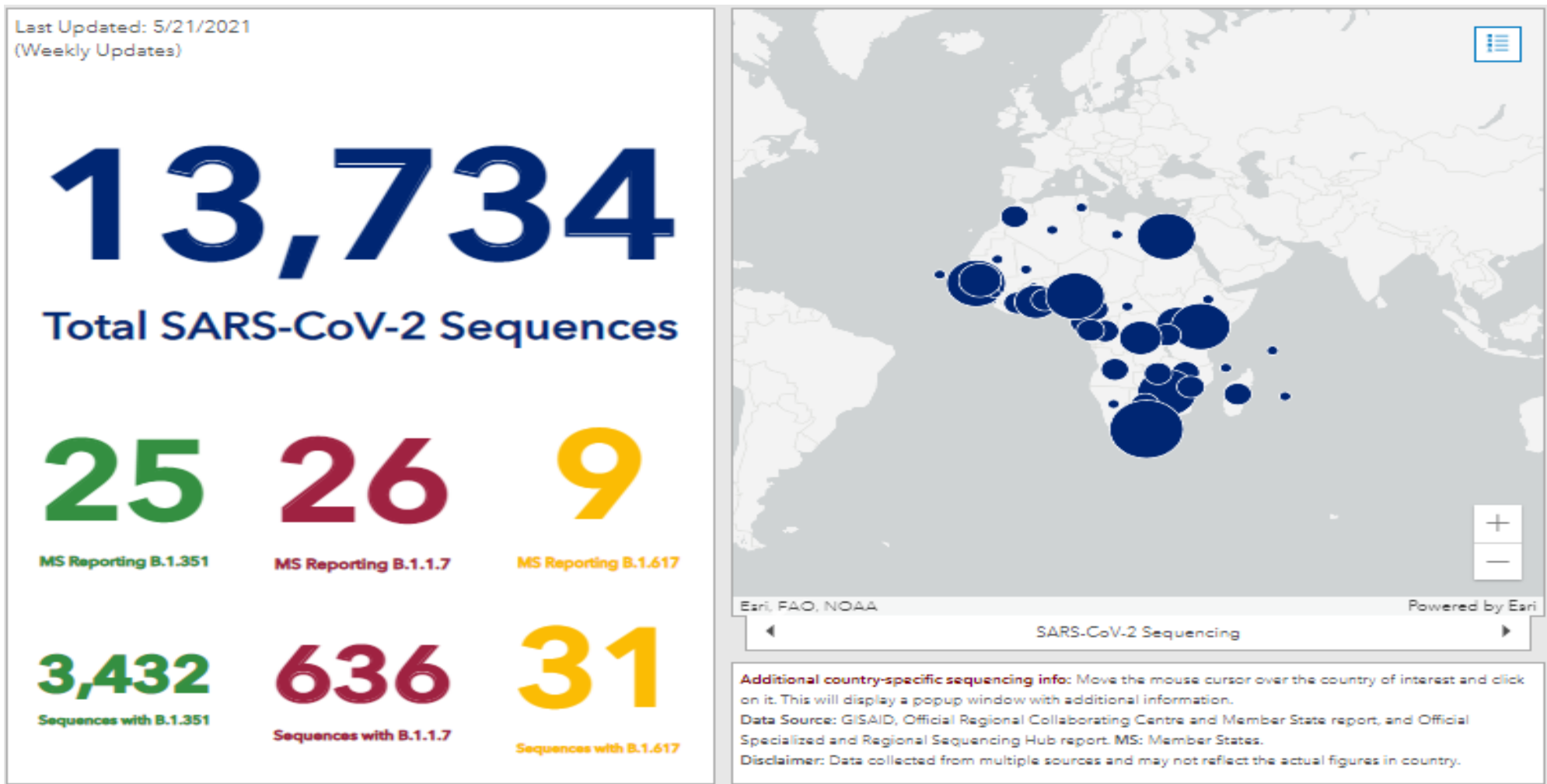


Significant logistics challenge: vaccinating 35% of the African population in 2021 require > 800 million doses



SARS-CoV-2 mutations that may influence vaccine efficacy are being detected worldwide

SARS-CoV-2 Sequencing in Africa



ACCELERATING SARS-COV-2 SEQUENCING IN AFRICA

As of 21 May 2021:

13,734

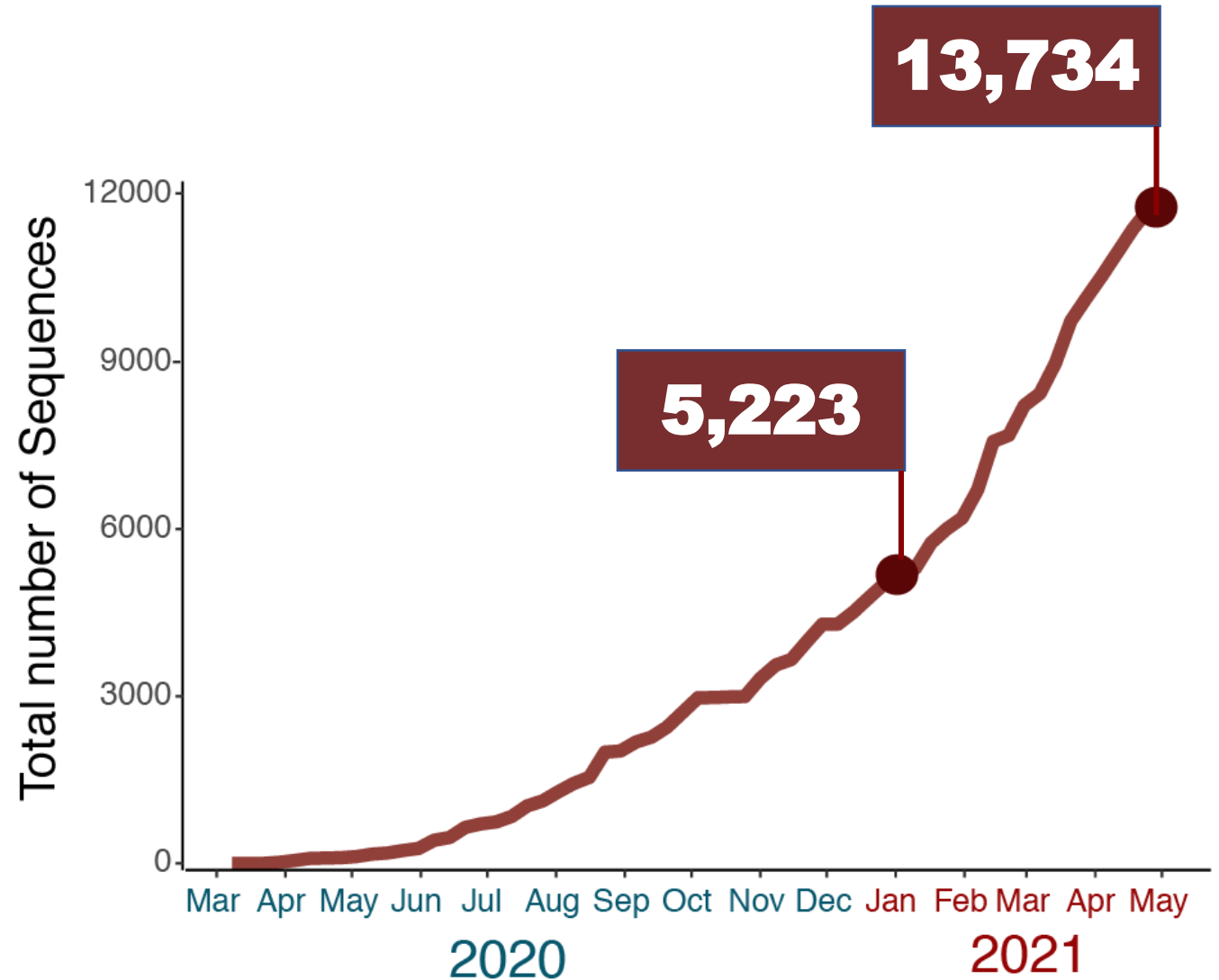
Total Sequences

8,511

Sequences in 2021

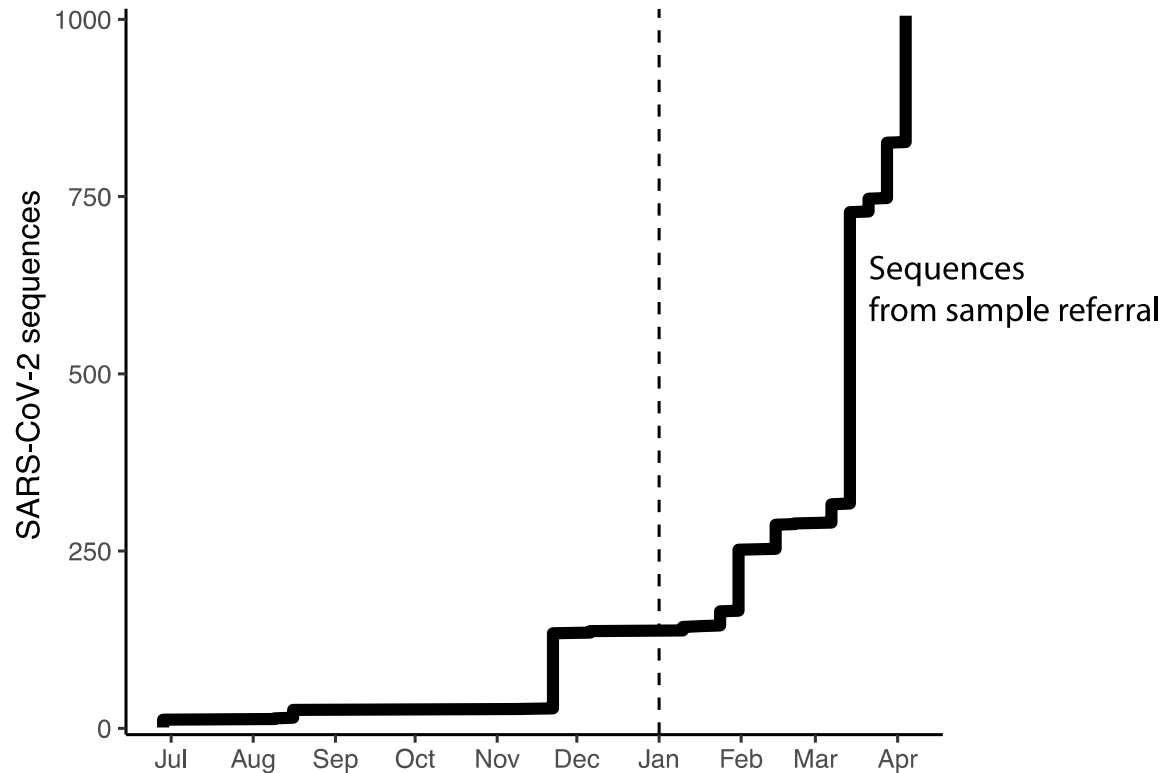
41

Countries



ACCELERATING SARS-COV-2 SEQUENCING IN AFRICA

Sequences shared on GISAID from Sample Referral

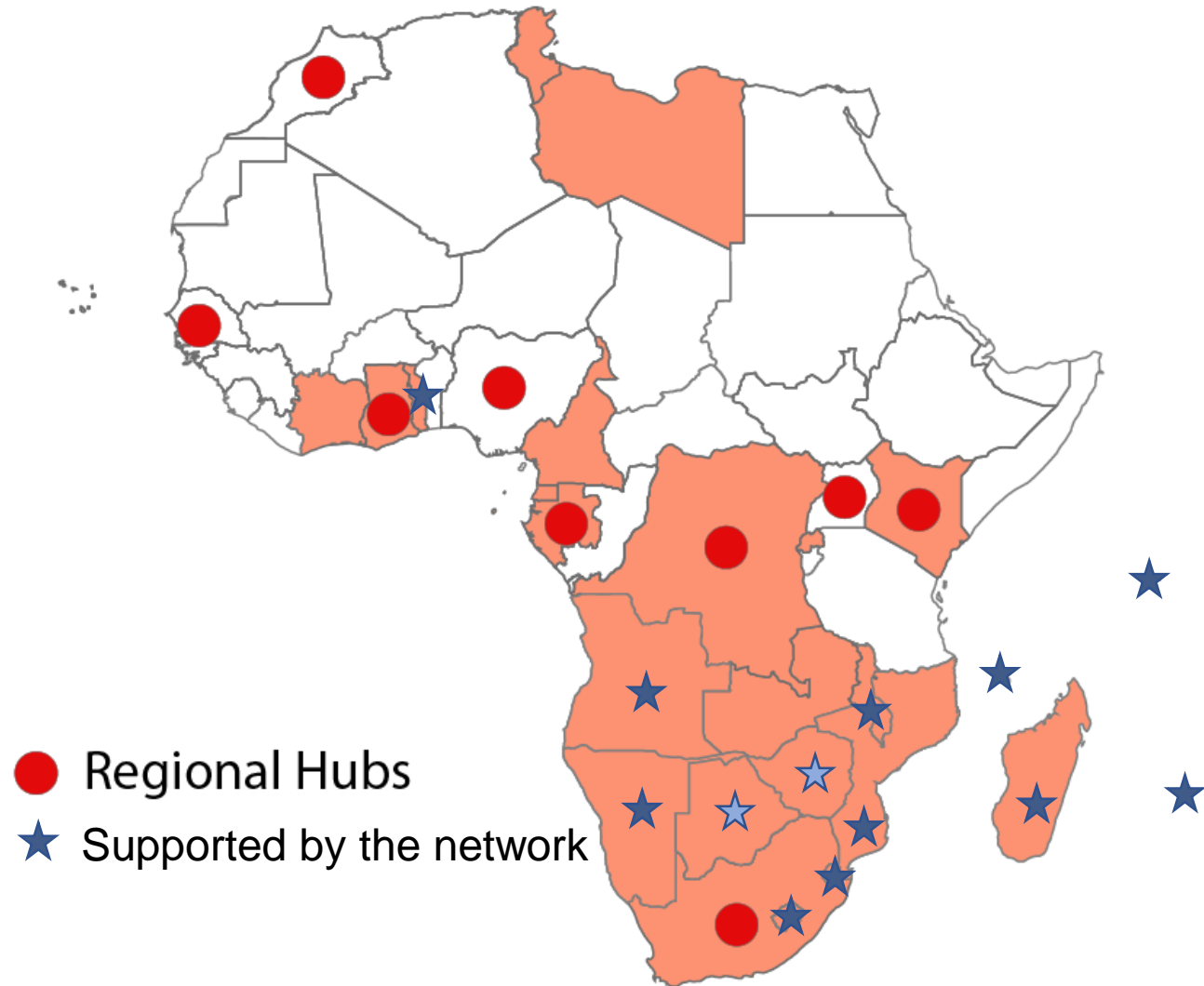


Data as of Mid-April, 2021

VARIANTS OF CONCERN | B.1.351

As of 21 May 2021:

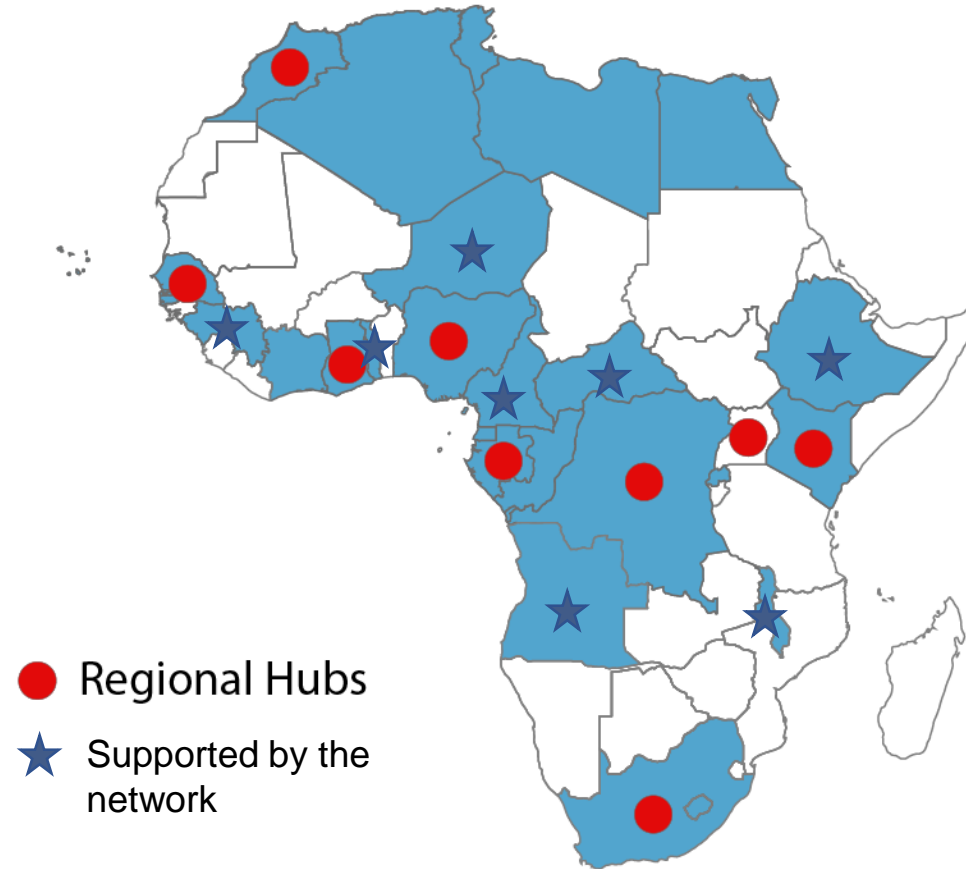
25
COUNTRIES



VARIANTS OF CONCERN | B.1.1.7

As of 21 May 2021:

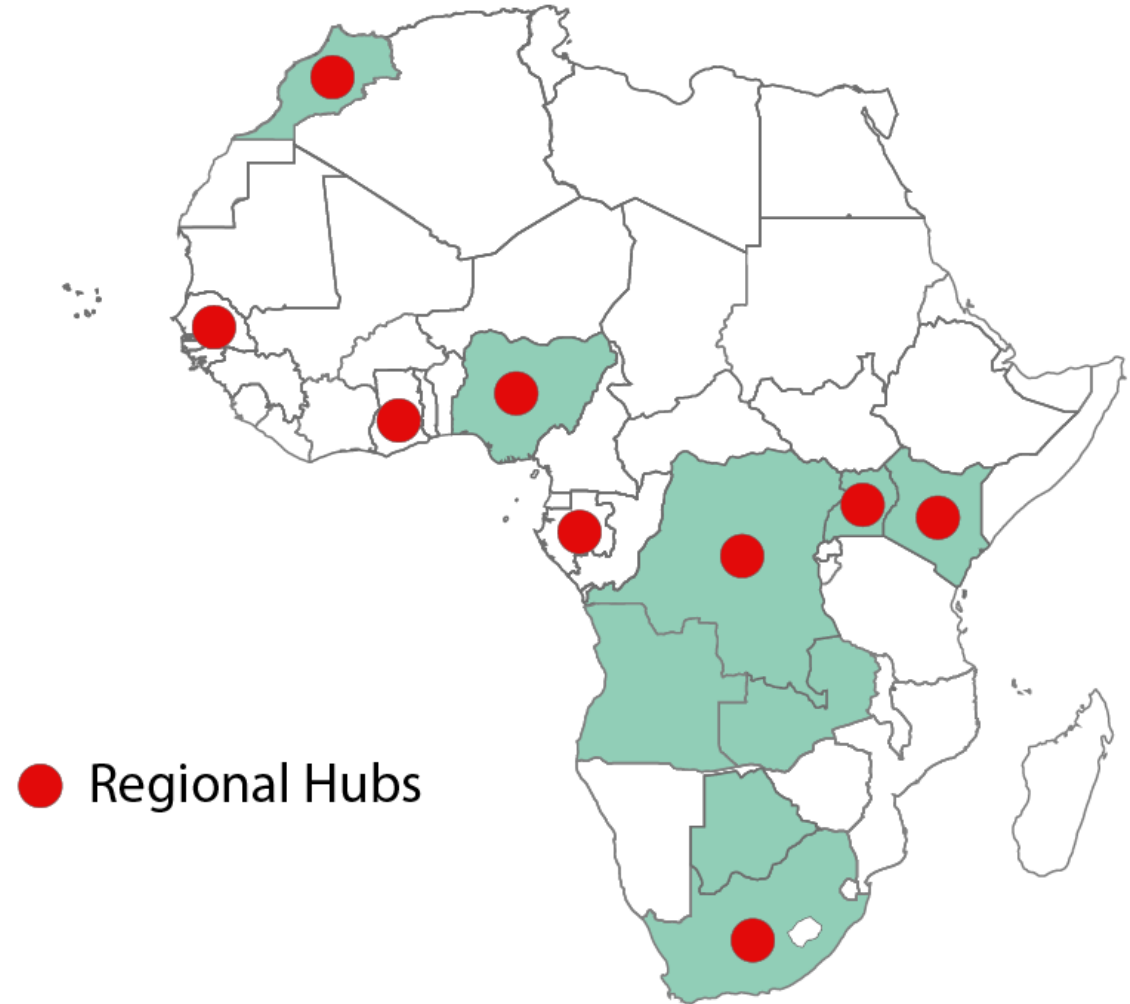
26
COUNTRIES



VARIANTS OF CONCERN | B.1.617

As of 21 May 2021:

9
COUNTRIES





40,000 participants Joined from 70 countries across the world

MANUFACTURING

THEME

**AFRICA'S VACCINE
MANUFACTURING CAPACITY
FOR HEALTH SECURITY**



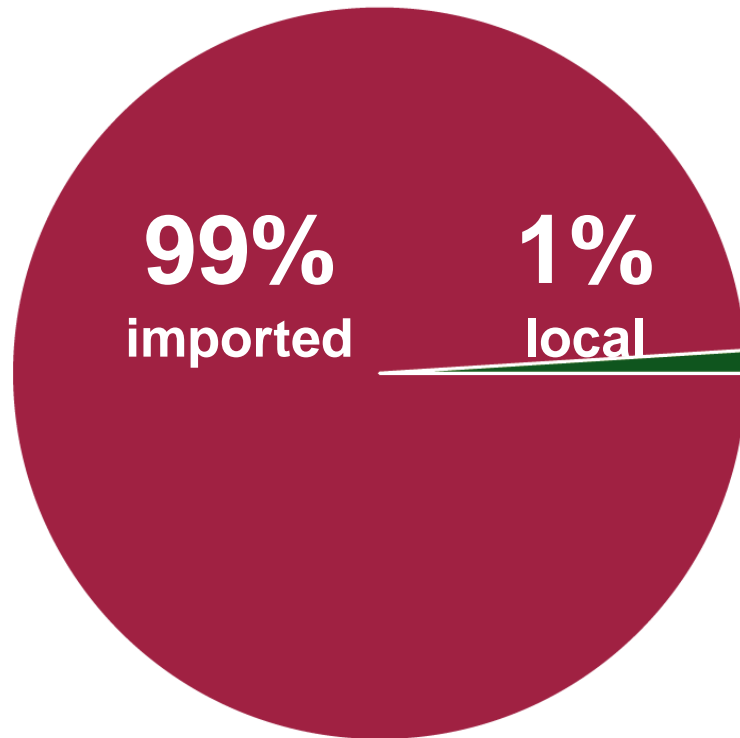
PARTNERSHIP FOR AFRICAN VACCINE MANUFACTURING (PAVM)

P Partnership for
A African
V Vaccine
M Manufacturing

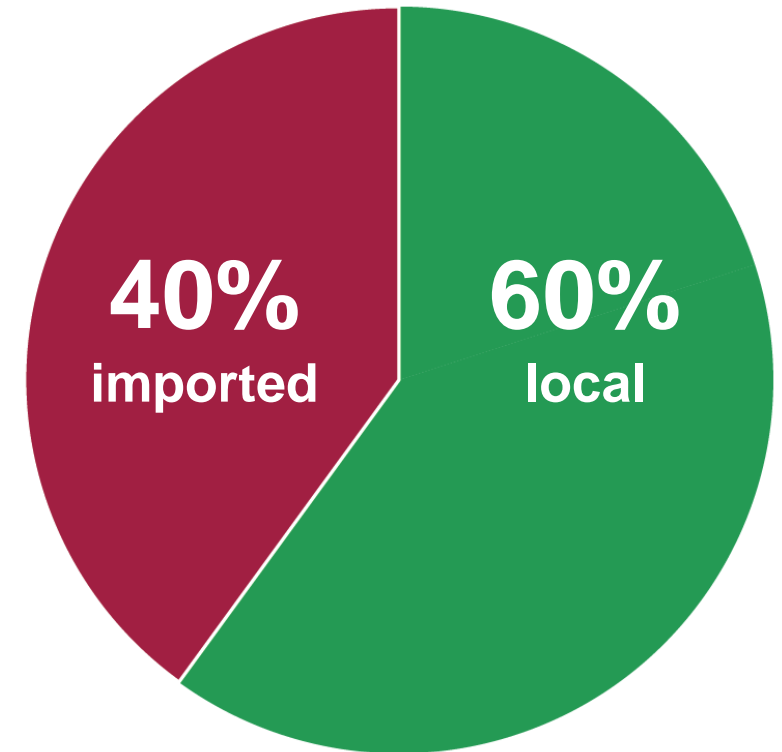


AFRICAN UNION / AFRICA CDC'S ASPIRATIONS FOR 2040

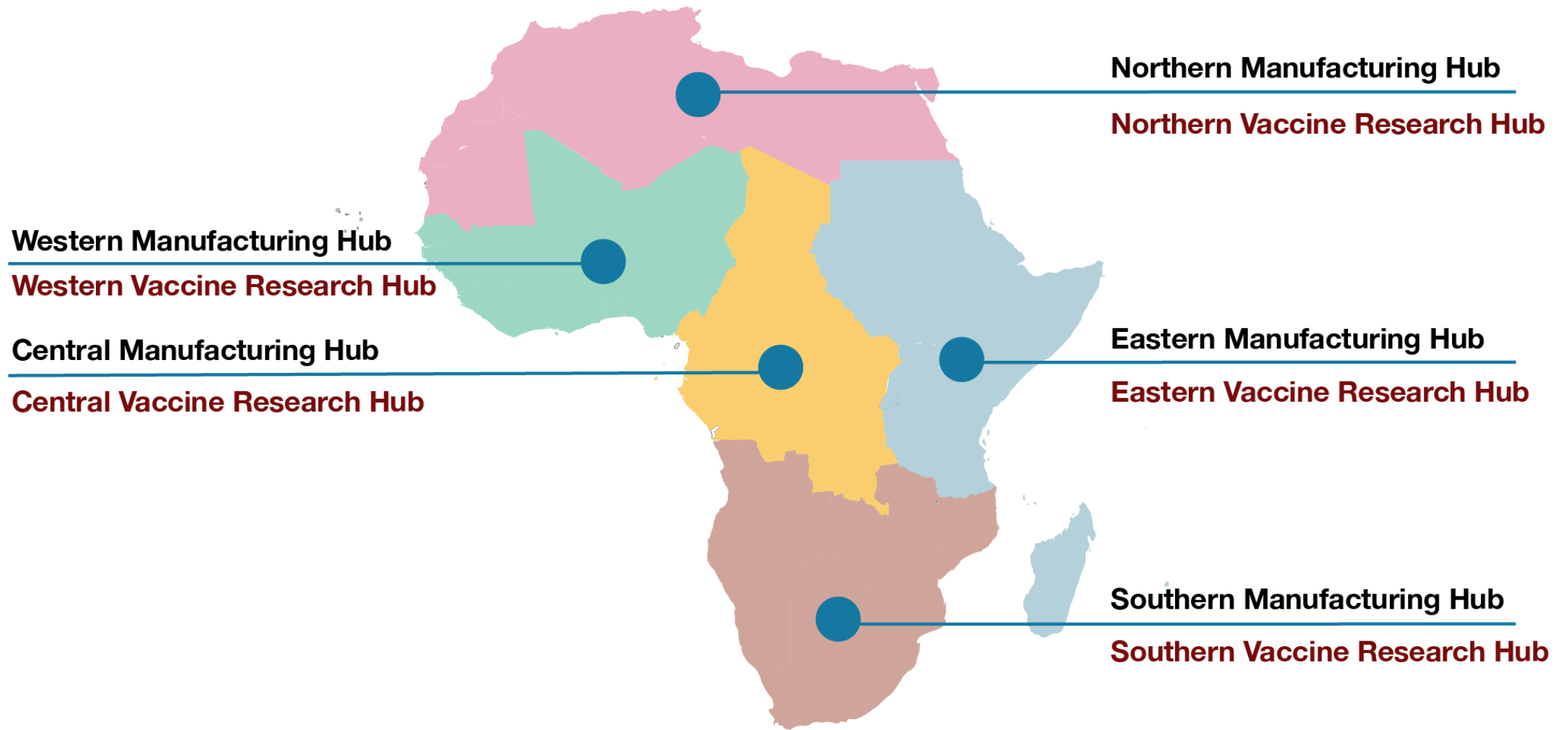
2021



2040



AFRICA UNION'S GOALS | REGIONAL VACCINE RESEARCH AND MANUFACTURING HUBS



AFRICA CDC'S AMBITION | THE BUILDING BLOCKS



Regulatory strengthening

African Medicine Agency



Access to finance



ADB and AFREXIM BANK



Infrastructure



RECs and MS



Talent and know-how

Universities /
Research institutes/
Vaccine companies

**We will need additional partners to support the
workstream leads**

AFRICA UNION'S GOALS | LEAPFROGGING IS KEY FOR VACCINE MANUFACTURING IN AFRICA

“Vaccine equity cannot be guaranteed by goodwill alone, as we have seen many examples to convince all of us. Africa needs to expand production capacity for vaccines and other essential medical products.”



*12 April 2021; Africa Union/ Africa CDC
Africa Vaccine Manufacturing for Health Security*

THANK YOU



LEARN MORE AT

africacdc.org/covid-19

Safeguarding Africa's Health