

Key issues and agenda for Africa in Emergency Preparedness and Response in Africa For Africa

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UKHSA/Africa CDC, October 27, 2023

Disclaimer: This presentation is my own opinion and does not represent the position of the UK Health Security Agency (UKHSA) or the Africa Centres for Disease Control and Prevention (Africa CDC). October 27, 2023

Quiz

What is the estimated current population of Africa?

Number of African countries with ongoing civil war * >1000 casualties?

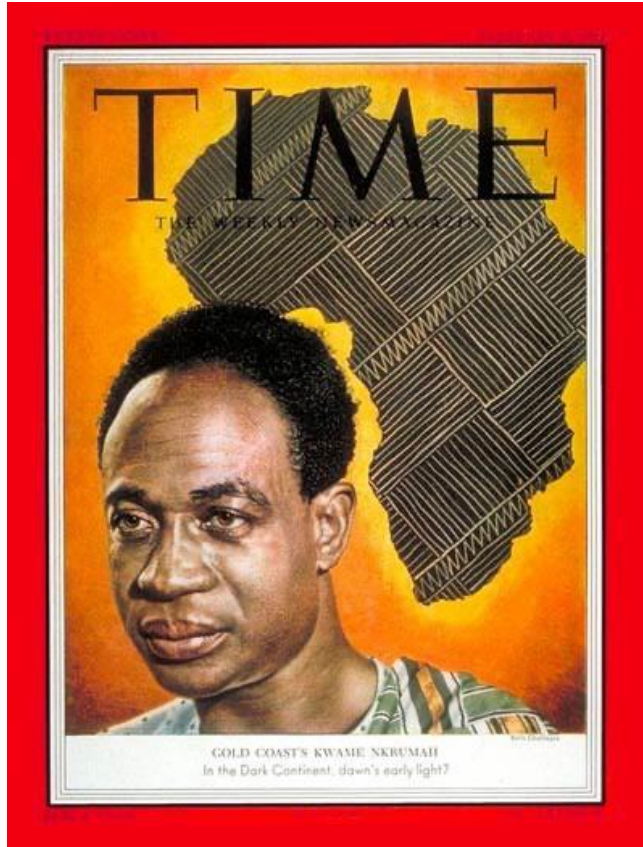
What percentage of vaccines administered in Africa are manufactured in Africa?

Outline

- Dream for Africa ... then and now
- Agenda 2063
- Regional Collaborating Centres and Economic Communities
- The New Public Health Order
- Rethinking, reimaging, and re-engineering Public Health & Epidemiology Training

Key issues and agenda for Africa in Emergency Preparedness and Response in Africa For Africa

- **Dream for Africa ... Then and Now**
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“--It is clear that we must find an African solution to our problems, and that this can only be found in African unity. Divided we are weak; united, Africa could become one of the greatest forces for good in the world—”

Kwame Nkrumah, 1953 (February 9)

Agenda 2063: Integration, Institutions, Infrastructure: need for innovative and continent-wide approaches

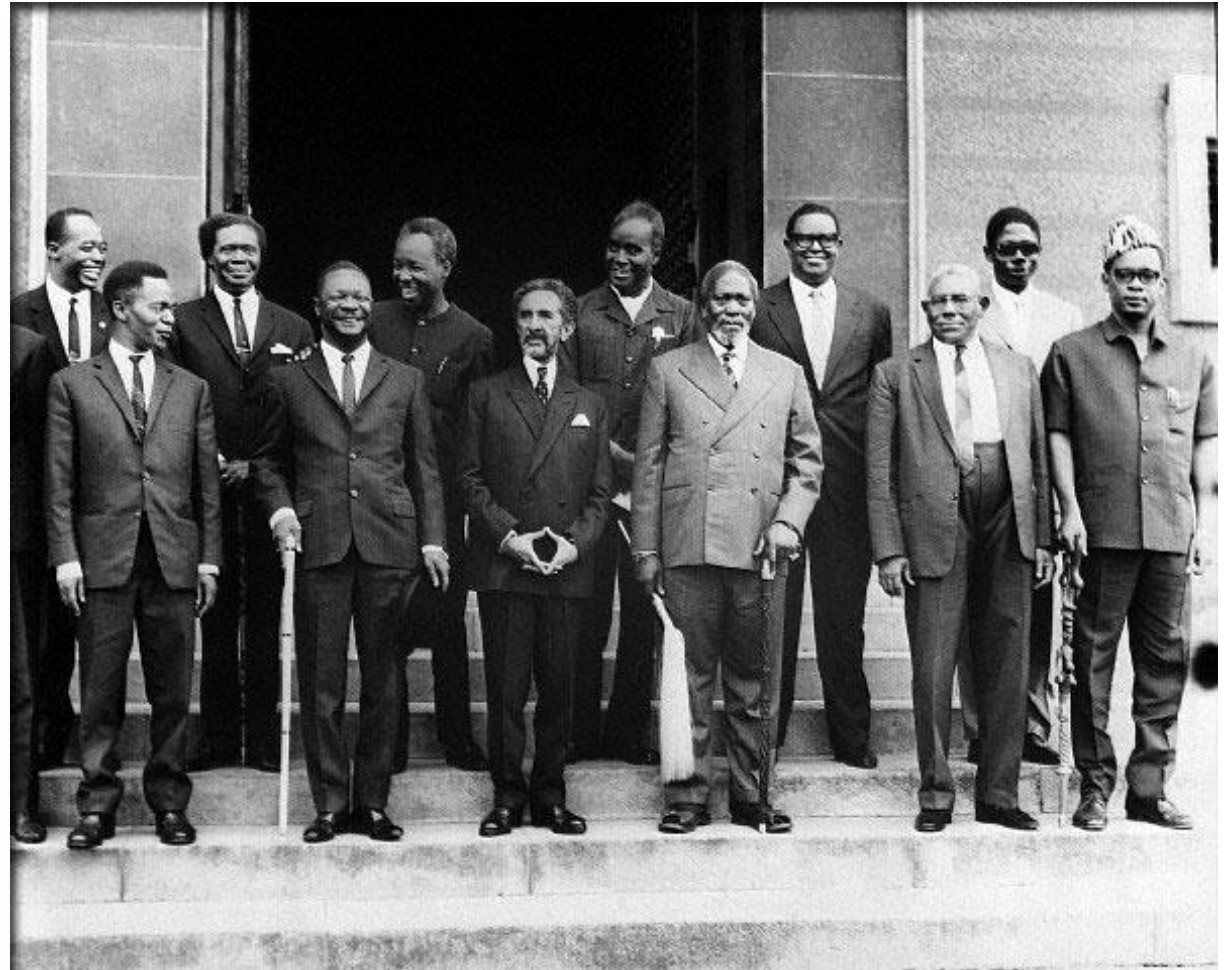
Organisation of African Unity (OAU)

... an intergovernmental organization - 25 May 1963, Addis Ababa, Ethiopia, 32 signatory governments

Focus

Attainment of political independence

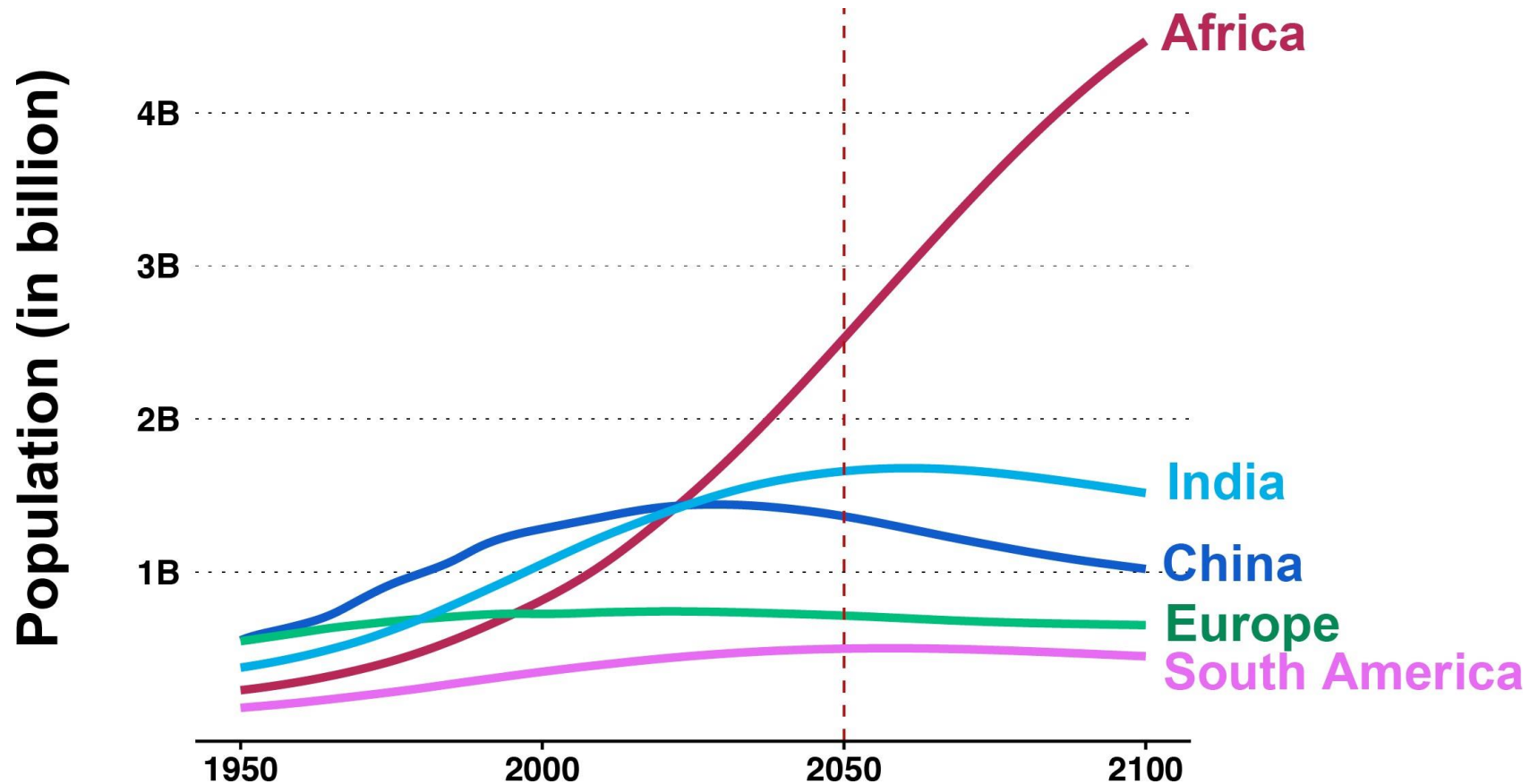
2002: 21 States joined – total 53 Members States



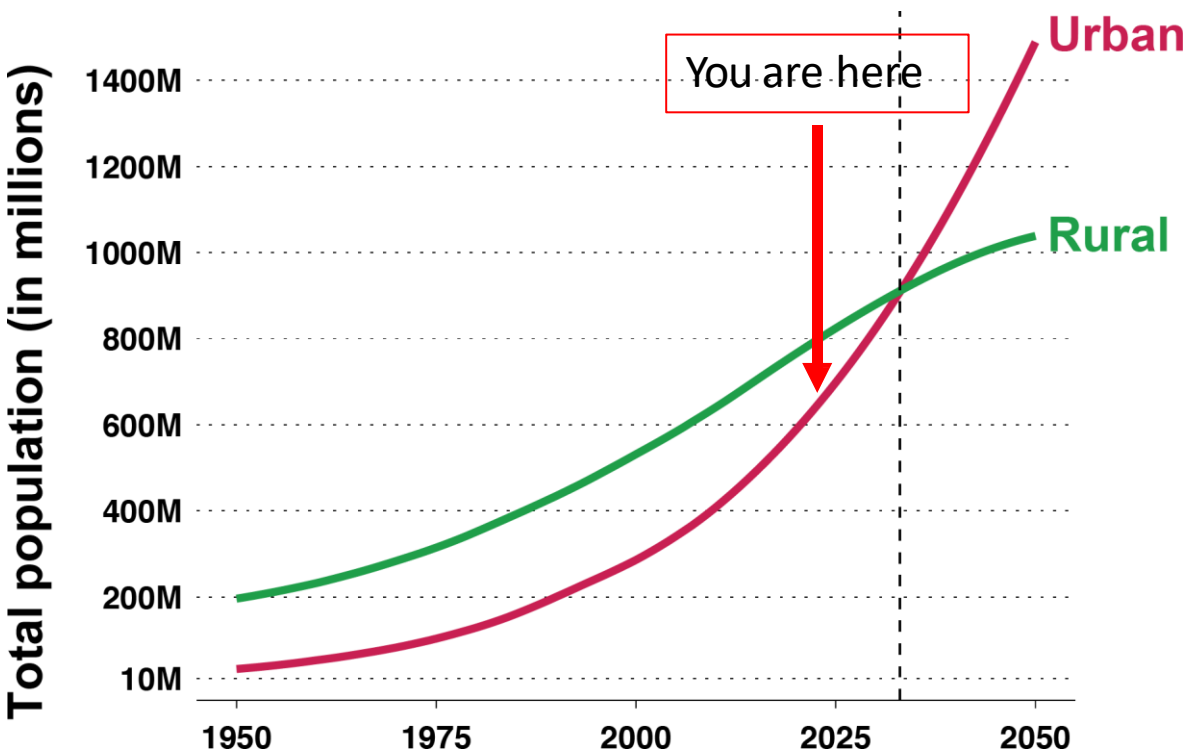
Founding leaders of the OAU, 1963

... what has happened since then? > > >

Projected population of Africa by 2050 - 2.5 billion



Rapid urbanization in Africa



Source: UN World Urbanization Prospects database

TOP 10 LARGEST CITIES 2010 - 2050

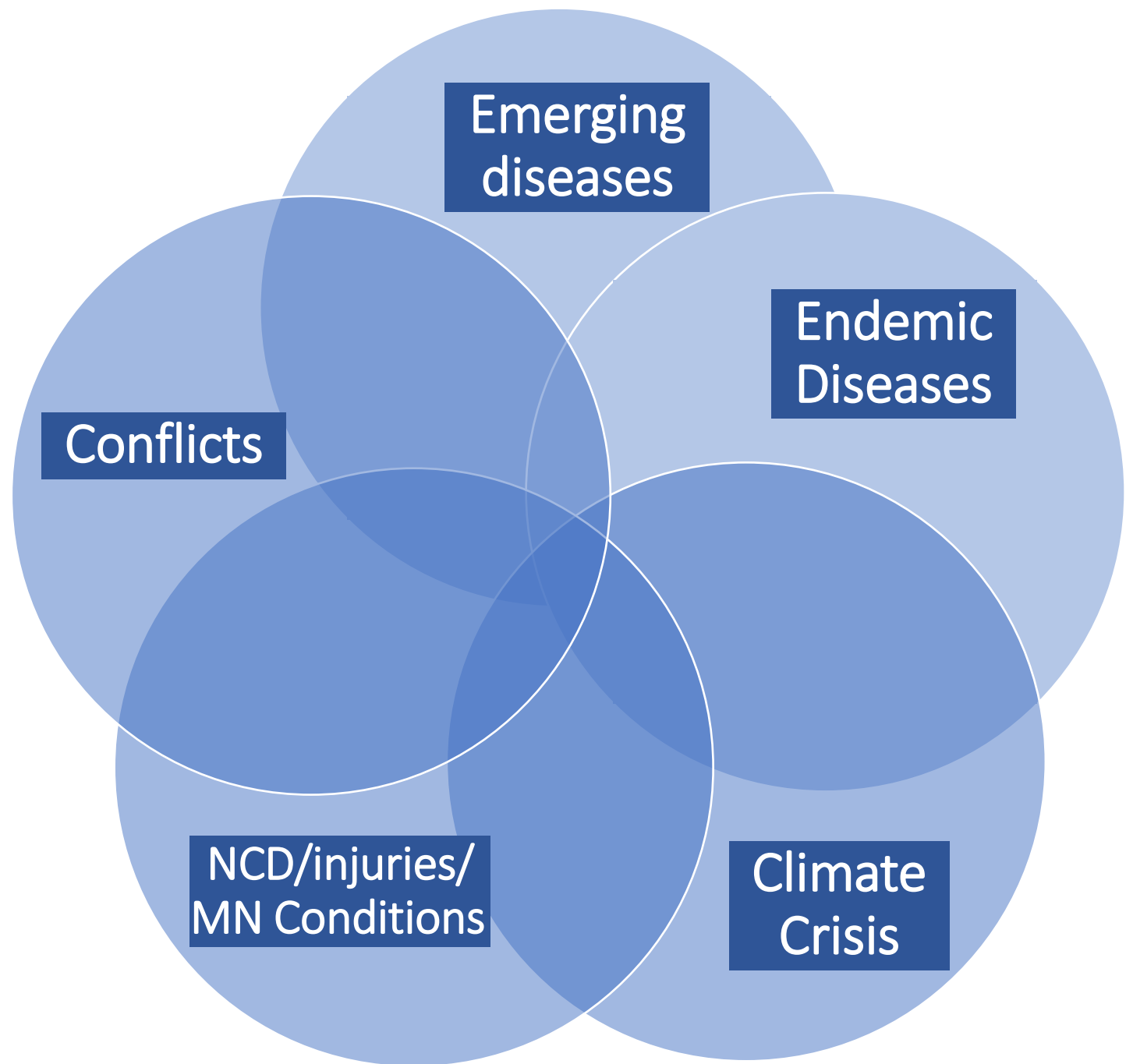
1. LAGOS NIGERIA	10.578 (2010) 15.810 (2050)
2. KINSHASA DRC	8.754 15.041
3. CAIRO EGYPT	11 12.54
4. LUANDA ANGOLA	4.772 8.077
5. ABIDJAN CÔTE D'IVOIRE	4.125 6.321
6. NAIROBI KENYA	3.523 6.246
7. DAR ES SALAAM TANZANIA	3.349 6.202
8. ALEXANDRIA EGYPT	4.387 5.648
9. KANO NIGERIA	3.395 5.06
10. ADDIS ABABA ETHIOPIA	2.930 4.757

(UNIT: MILLIONS OF PEOPLE)



Image: futurecapetown.com

Syndemics and crisis exacerbating the disease burden across the African Continent



...from OAU to ... the African Union

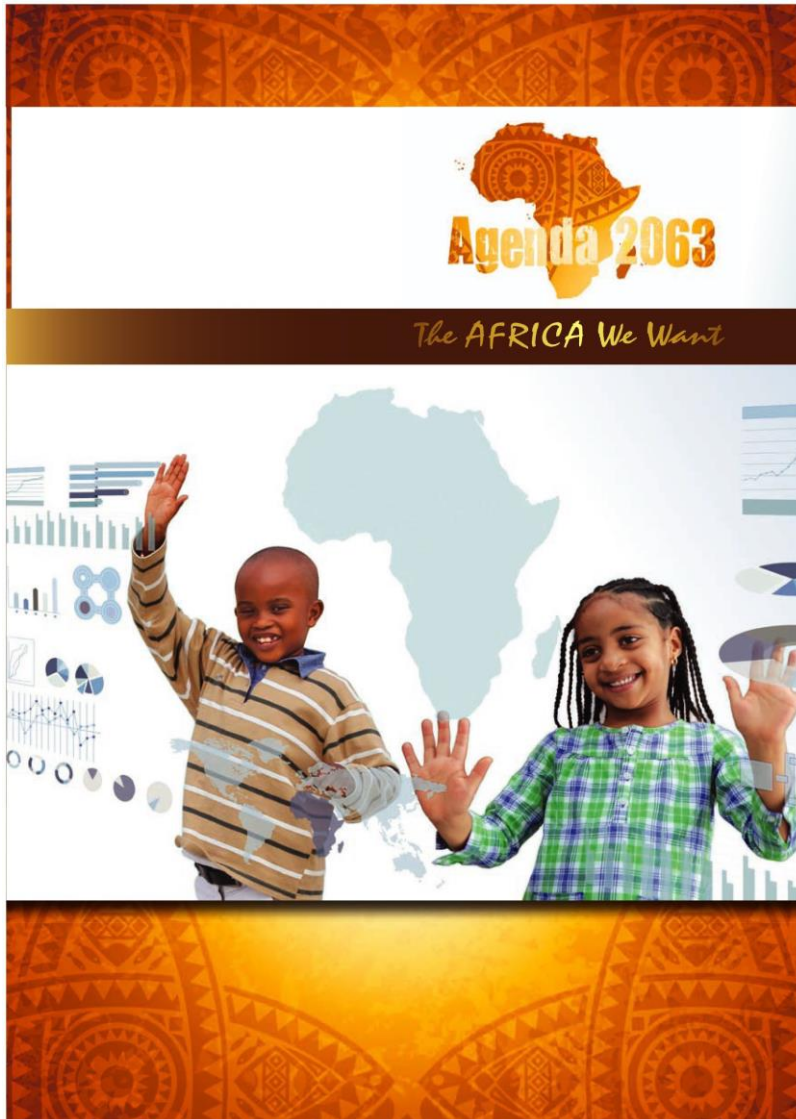
- **2002 – African Union formed** – successor of the OAU
- **2013 May** – 50th Golden Jubilee celebrations - OAU
 - **refocus and reprioritise** - and repositioning Africa in the global arena (**social and economic development, integration, democratic governance and peace and security...**)

Agenda 2063 (2013 – 2063)

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..we dream of a better future for our children



The Seven Aspirations For The Africa We Want

- Aspiration 1: A prosperous Africa based on inclusive growth and sustainable development.
- Aspiration 2: An integrated continent; politically united and based on the ideals of Pan-Africanism and the vision of Africa's Renaissance.
- Aspiration 3: An Africa of good governance, democracy, respect for human rights, justice and the rule of law.
- Aspiration 4: A peaceful and secure Africa.
- Aspiration 5: An Africa with a strong cultural identity, common heritage, shared values and ethics.
- Aspiration 6: An Africa, whose development is people-driven, relying on the potential of African people, especially its women and youth, and caring for children.**
- Aspiration 7: Africa as a strong and partner.

Healthy population; Health security

Official Launch of the Africa CDC – January 2017



Africa CDC – Vision & Mission



Vision

A safer, healthier, and prosperous Africa



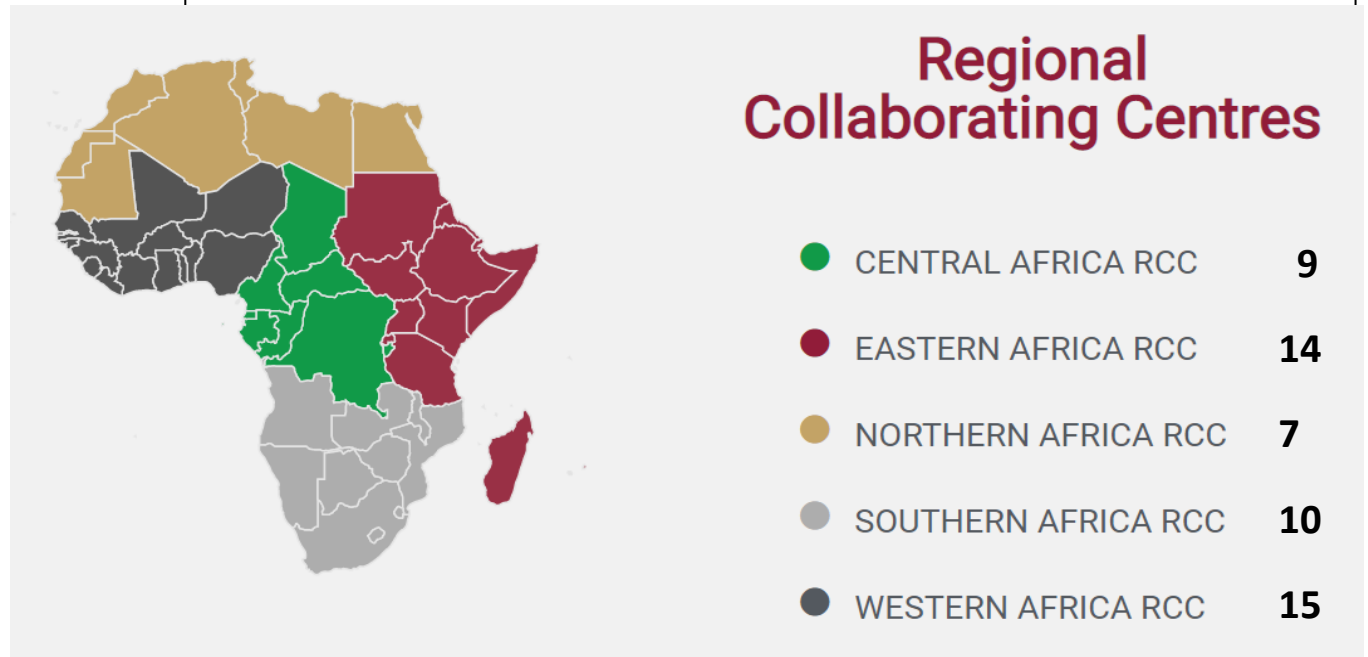
Mission

To strengthen Africa's **public health institutions'** capacities, capabilities and **partnerships** to detect and respond quickly and effectively to disease threats and outbreaks based on science, policy, and data-driven interventions and programs.

National Public Health Institutes & Regional Coordinating Centres

- **NPHIs:** Each AU Member State - NPHI or Equivalent Agency
- NPHIs at different levels of maturity; 21 are functional
- Economic Communities

- **Five** AU Regional Coordinating Centres
- **Role:** to implement:
 - Africa CDC Strategy
 - Region context-specific activities



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Need for a New Public Health Order - 2017

THE LANCET
Global Health

Log in



[John Nkengasong](#)  • [Benjamin Djoudalbaye](#) • [Olawale Maiyegun](#)

Open Access • Published: November, 2017 • DOI: [https://doi.org/10.1016/S2214-109X\(17\)30363-7](https://doi.org/10.1016/S2214-109X(17)30363-7)

 PlumX Metrics

On July 3, 2017, African heads of state and government issued a declaration and committed to accelerating implementation of the 2005 International Health Regulations (IHR)¹ and tasked the Africa Centres for Disease Control and Prevention (Africa CDC), the African Union

A NEW PUBLIC HEALTH ORDER AFRICA'S HEALTH SOVEREIGNTY



Continental and national public health institutions

- *An autonomous, funded Africa CDC, NPHIs*



African Public Health Workforce Development

- *Health Workforce; 2M Community Health Workers, Field Epidemiology PH leadership*



Local manufacturing of vaccines, therapeutics, and Diagnostics

- *Partnership for Vaccine Manufacturing (PAVM); AMA*



Partnerships



Sustainable domestic funding

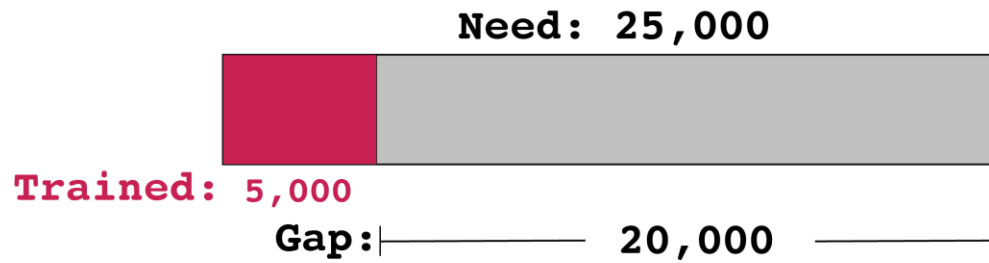


Digitalization

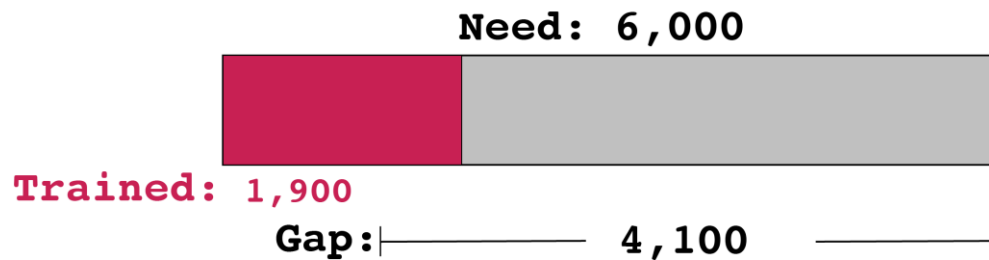
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Frontline epidemiologists:

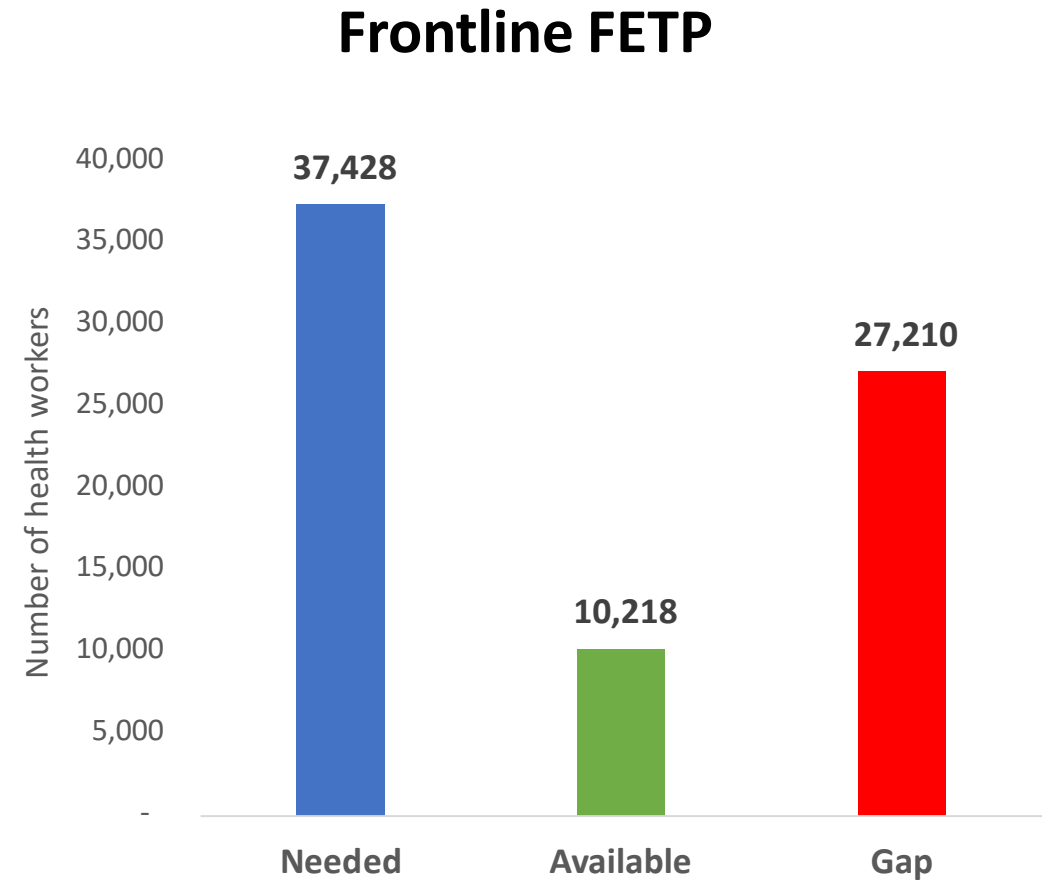
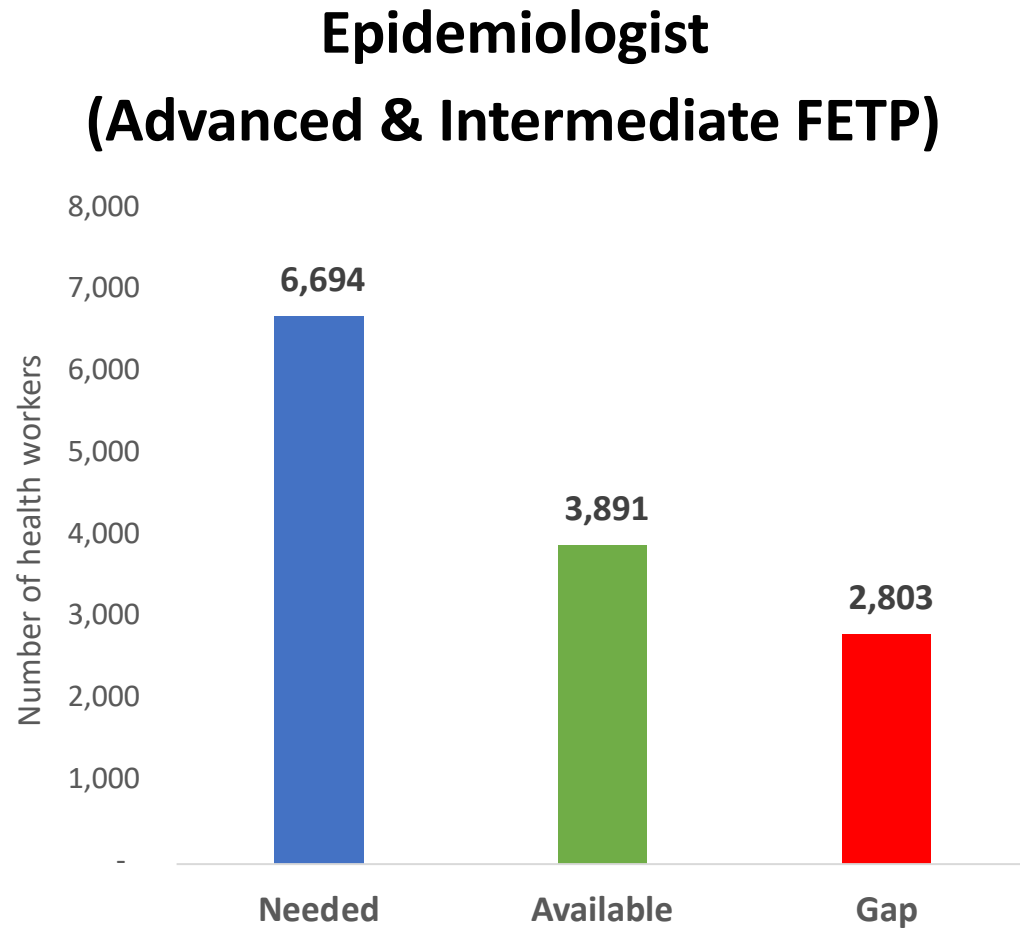


Field epidemiologists



An example in field epidemiology gaps

Epidemiologists needed Versus number trained



Source: AFENET, 2022

In the context of weak health systems



Health facilities

<**50%** of people have access to modern health facilities



Health budget

<**10%** of GDP is spent on healthcare for most African countries (**low fiscal space**)



Health workers

2 health workers / 1K people vs 25 health workers / 1K in the Americas (**Sub-optimal training, low absorptive capacity, poor working conditions, migration**)

Local vaccine manufacturing 1

- Vaccine nationalism – COVID-19 lessons
- Africa imports 99% of its vaccines, uses 25% of global supply
- 5 countries - fill and finish, end to end.
- 16 October 2023 – AUC, Africa CDC, Gavi, the Vaccine Alliance
 - sustainable and equitable systems
 - public trust and confidence
 - vision to expand vaccine manufacturing in Africa

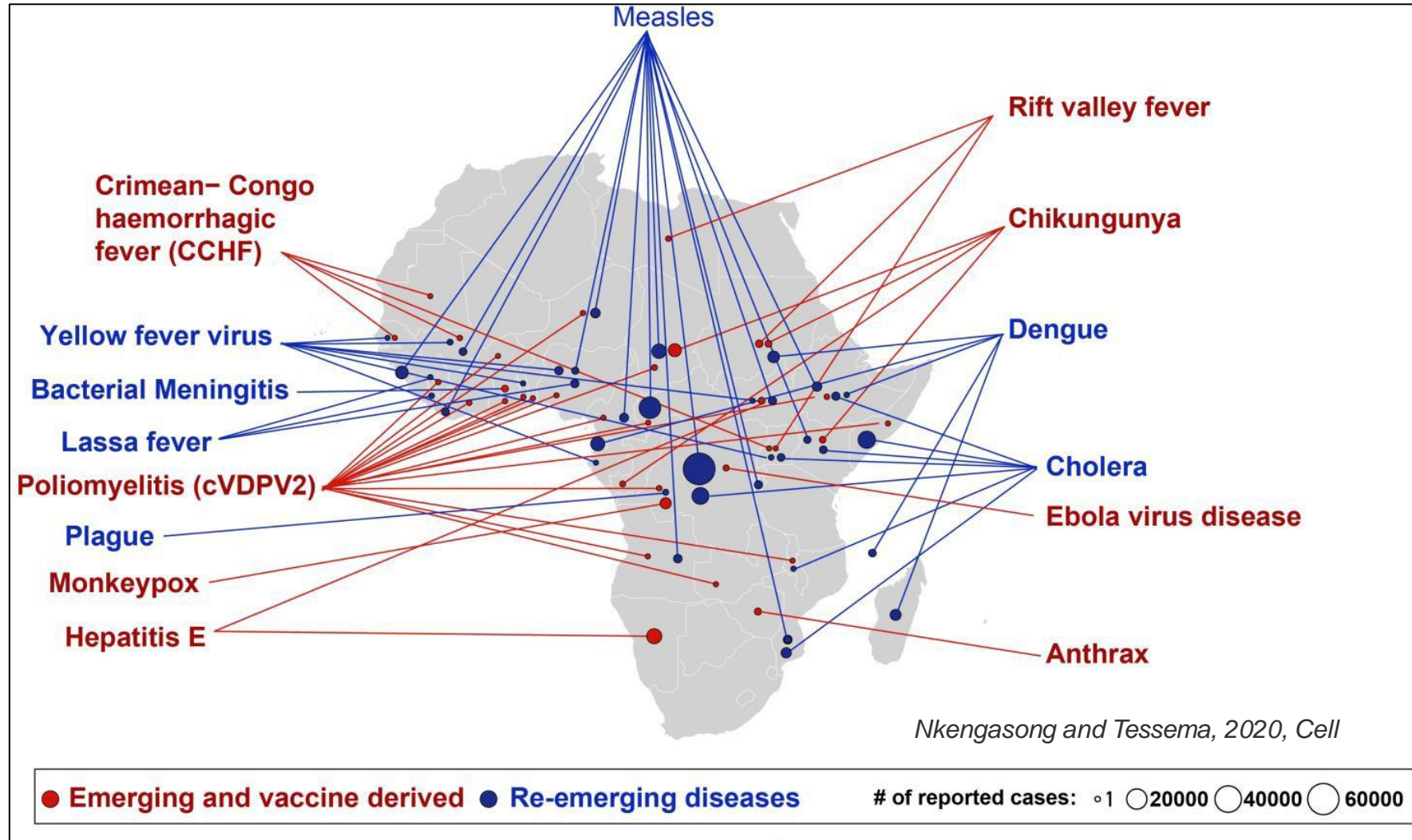
Local vaccine manufacturing 2

- By **2040** manufacture at **least 60%** of vaccines need in Africa
- **Partnerships** - Gavi, the Vaccine Alliance, Gates Foundation to shape the market; Market shaping; Competitive marketing
- Prioritize -epidemic/pandemic-like vaccines
- Invest and incentivize research and development (R&D)
 - Human capital
 - Technology transfer; resolve patent – TRIPS - issues
 - Rwanda -first country -mRNA vaccine manufacturing facility (BioNTech).

Sustainable domestic funding

- African Air Tax to be paid by airline passenger
- African Health Emergency Fund (AHEF)
-
- African Development Bank to Africa CDC pledge US\$3 billion over 10 years - vaccine manufacturing
- Philanthropies

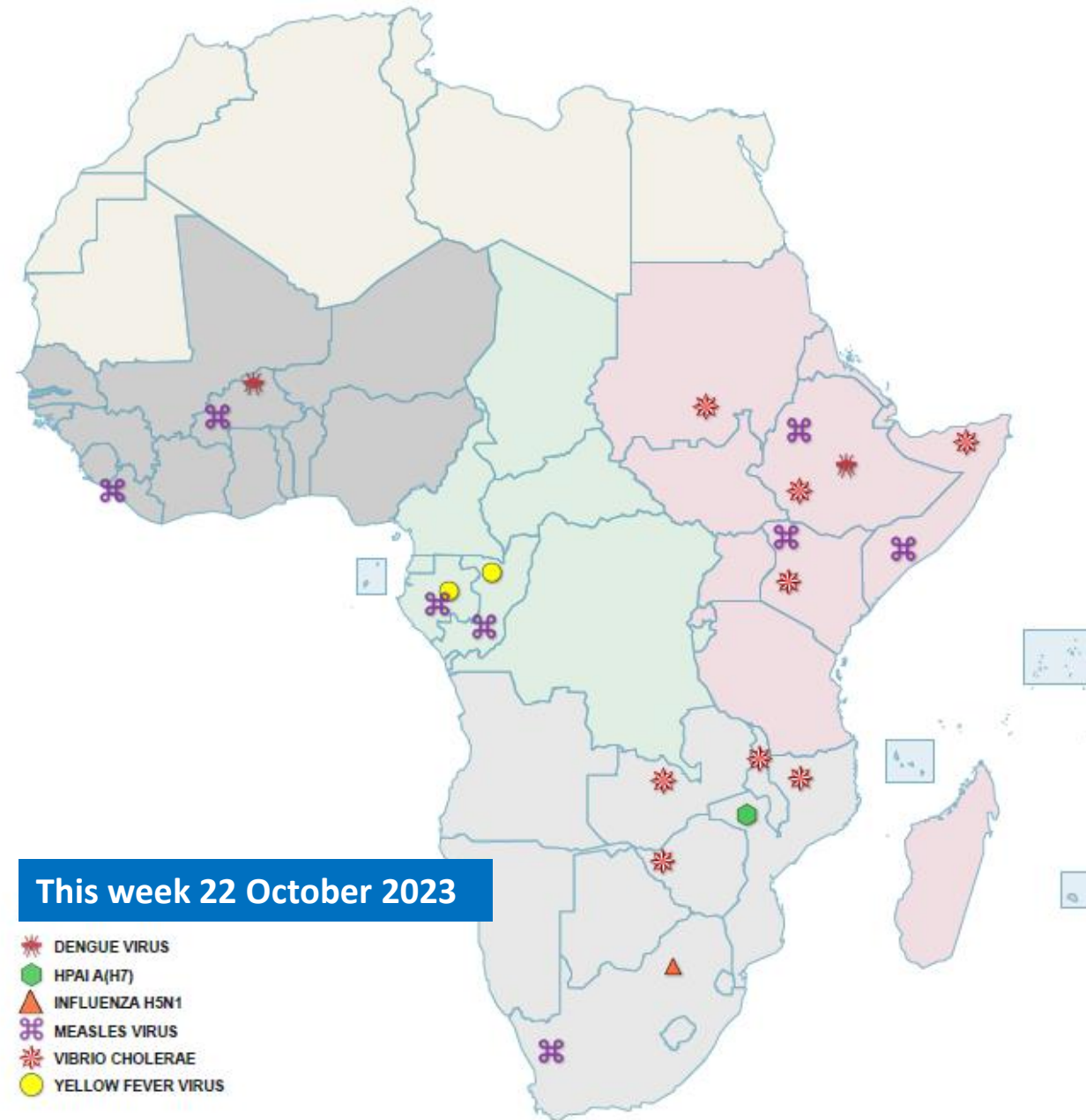
Emerging, re-emerging, and other diseases reported to Africa CDC in 2020 (January - August 2020)



This year, 2023

Events reported = 150

Events	Cases	Deaths
HPAI (Highly Pathogenic Avian Influenza A(H7) Africa	224,540 215,770	Humans = 0 Animal CFR 96.5%
Dengue fever (confirmed 20,390; suspected 68,987)	89,377	158 (CFR 0.2%)
COVID-19 (confirmed 12,404,644;	12,404,644	257,181 (CFR 2.1%)
Mpox (confirmed 803; suspected 10,085)	10,888	556 (CFR 5.1%)
Cholera (confirmed 86,044; suspected 109,708)	195,752	3,061 (CFR 1.6%)
Measles (confirmed 20,508; suspected 260,330)	280,838	3,655 (CFR 1.3%)
Yellow fever (confirmed 126; suspected 2,651)	2,777	35 (CFR 1.3%)



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*Is Emergency
Preparedness and
Response in Africa for
Africa feasible?*

Keynote Address by President Kagame at 71st World Health Assembly (2018)

“The Africa Health Strategy recently adopted by the African Union, in the context of Agenda 2063, defines Universal Health Coverage by 2030 as the continent’s top strategic objective in this area. The Sustainable Development Goals include the very same target. Since last July there is also consensus on how to measure progress “



Forward to the:



H.E. Dr Jean Kaseya,
Director General,
Africa CDC

African CDC Strategic Plan 2023–2027

“...to address these challenges, **multi-sectoral** response mechanisms need to be established, ensuring **adaptability**, **interoperability** between Member States, and a **One Health** approach.”

... there is hope

Forward to the:



H.E. Dr Jean Kaseya,
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African CDC Strategic Plan 2023–2027

“This requires **innovative** approaches in health **financing**, **digitalisation**, **science** and **technology**, and stronger **partnerships** with a **vision** of fostering Africa’s **reliance on local** resources and **homegrown** solutions.. (2023)

Recalibration: prioritize, focus

- **Workforce Training**
 - African Epidemic Services: 3 tracks Epi, Lab, Informatics (to start 2024)
 - Public Health Emergencies Management (to be launched)
 - African Volunteer Health Corps (AVoHC - on-going)
 - Ministerial Executive Leadership Programme (MELP) (to start)
 - AFENET
 - Kofi Annan Public Health Fellowship Leadership Programme (KAF - ongoing)
- **Universal Health Coverage**
- **Sustainable Development Goals**
- Role of Academic and other institutions

African Volunteer Health Corps (AVoHC)

- AU Heads of State & Government Assembly Decision **/AU/Dec.570 (XXV) of June 2015**
- AUC and MS establish AVoHC
- To be deployed during disease outbreaks & other health emergencies.
- Local, regional, diverse skills, roster, training, deployment

52 outbreaks and public health events supported in the last Six years

Technical support to outbreak with deployment:

2022: 8

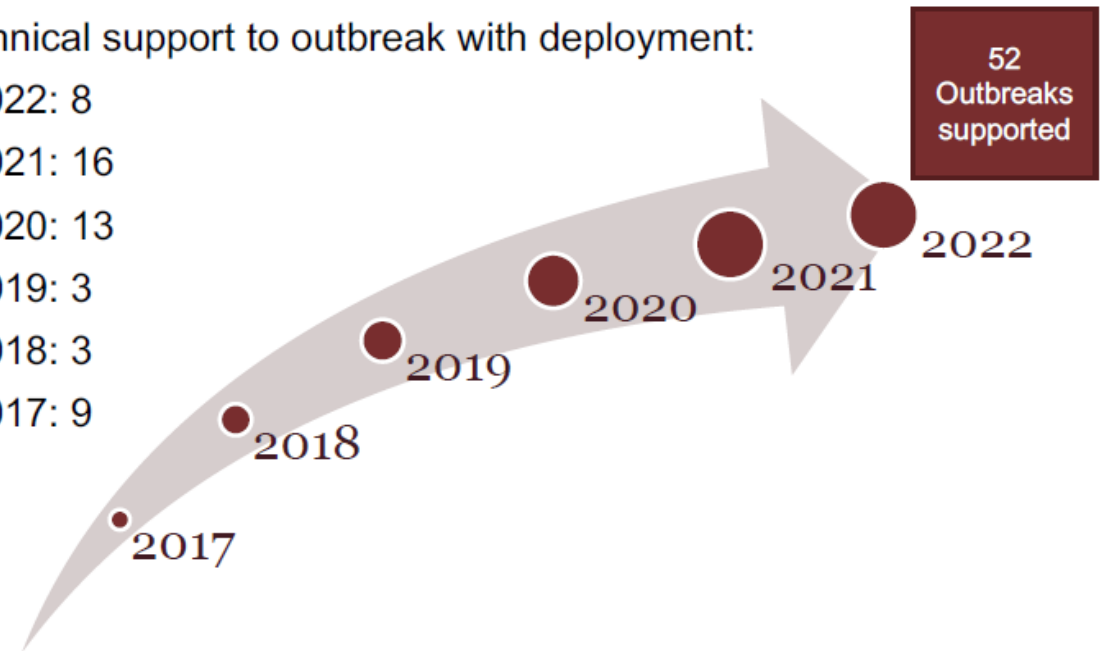
2021: 16

2020: 13

2019: 3

2018: 3

2017: 9



Source: EPR Africa CDC

Conclusions and the way forward

- COVID-19 and Public health threats - wake-up call - the New Public Health Order
- Partnerships in the new public health order
- Africa leadership and ownership to meet Agenda 2063 goals
- Back to basics: adaptative public health workers development
- Invest in public health institutions
- Local manufacturing of medical interventions

References

1. Establishing the Africa Centres for Disease Control and Prevention: responding to Africa's health threats¹
2. A new public health order for Africa's health security²
3. Africa Health Strategy 2016 – 2030³
4. Treaty for the Establishment of the African Medicines Agency (AMA)⁴
5. Countries Currently at War⁵

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- 5. Countries Currently at War 2023. Wisevoter. Accessed July 7, 2023. <https://wisevoter.com/country-rankings/countries-currently-at-war/>

Quiz

- What is the estimated current population of Africa? **1.4 billion**
- Number of African countries with ongoing civil war *>1000 casualties? **At least 12**
- What percentage of vaccines administered in Africa are manufacture in Africa? **1%**

Safeguarding Africa's Health



THANK YOU!

Discussion & Questions