

HEALTH SUPPLY CHAIN REGULATION

PILOT: TRACEABILITY OF COVID-19 VACCINES IN NIGERIA

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National Agency for Food and Drug Administration and Control (NAFDAC): Health Supply Chain Regulation

NAFDAC mandate: Regulate and control the manufacture, importation, exportation, **distribution**, advertisement, sale and use food, drugs, cosmetics, chemicals, detergents, medical devices and packaged water



NAFDAC aims to have full visibility over all products moving within the pharmaceutical supply chain in Nigeria.

- The Nigeria National Pharmaceutical Traceability Strategy guided the development of a 5-year implementation plan

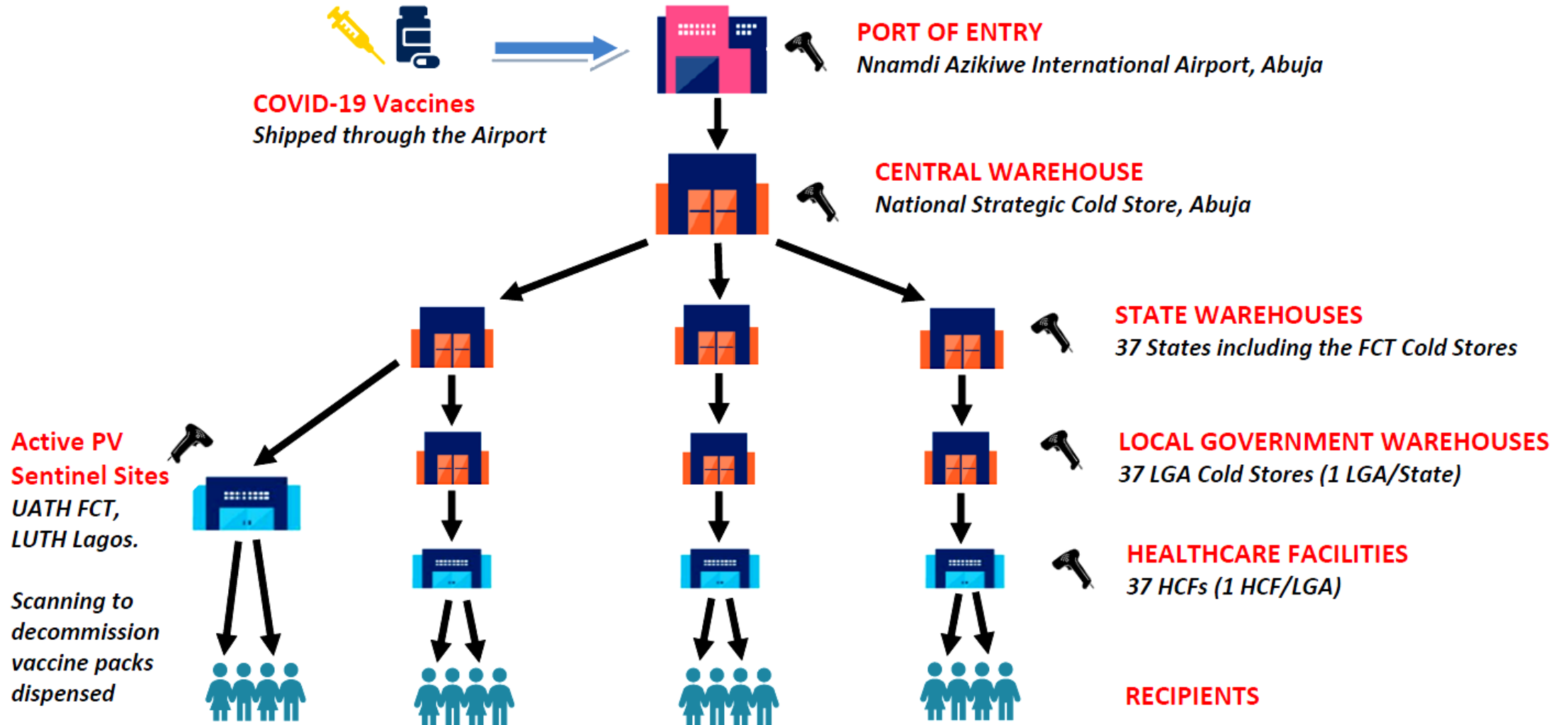


NAFDAC Pilot COVID-19 Vaccines Traceability: *Activities*

- **A Pilot in the Five-Year National Strategic Plan**
- **Collaboration with healthcare supply chain actors for Covid-19 Vaccine using GS1 standards.**
 - AstraZeneca brand of Covid-19 (Covishield™) Vaccine manufactured by The Serum Institute of India.
 - Moderna Vaccine, Manufactured in the USA
- **Assignment of Global Location Numbers (GS1 Standards)**
 - For over 400 facilities in 36 States and the FCT.
 - Facilities included National, Zonal, State and Local Government warehouses as well as Healthcare.



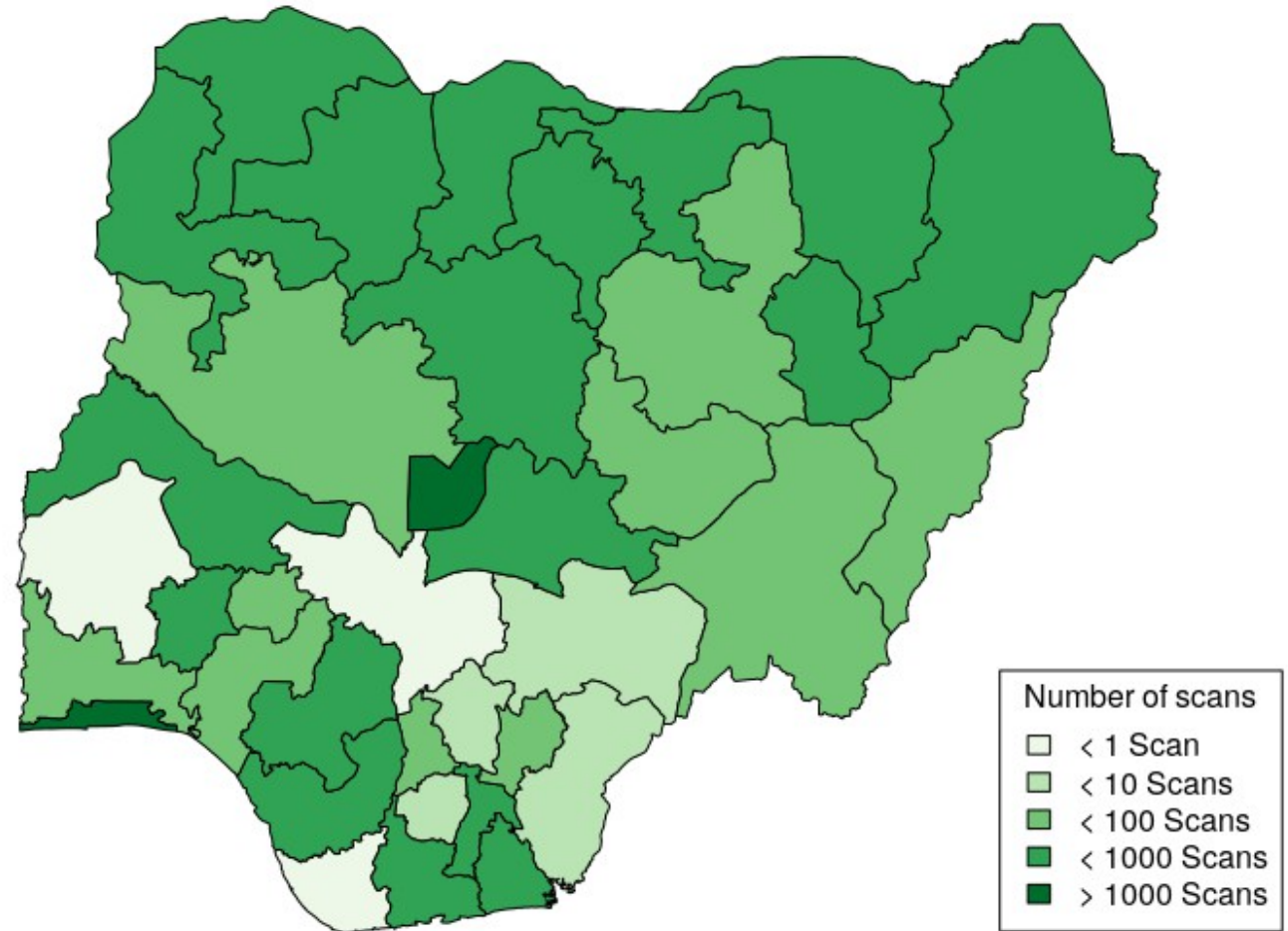
COVID-19 Vaccines Supply Chain Traceability Pilot: *Supply Chain Map*



COVID-19 Vaccines Traceability Pilot: *Barcode Scanning (AstraZeneca SI India)*

- Scanning upon entry at the airport and across 34 States and the FCT – State Cold Stores.
- Scanning was also done at selected LGA Cold Stores and Healthcare Facilities in each State.

Barcode Scanning Activity for COVID-19 Vaccine Traceability Pilot in Nigeria



In-Country Serialization of COVID-19 vaccines

Phase 1 Activity

- Product
 - *Moderna COVID-19 Vaccine*
- Country of Origin
 - *USA*
- Number of Batches
 - *7 batches*
- Quantity
 - *4,000,080 doses (28,608 secondary*





In-Country Serialization of COVID-19 vaccines

PROCEDURE

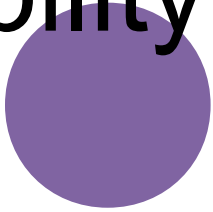
COVID-19 Vaccines Supply Chain

Traceability: Lessons

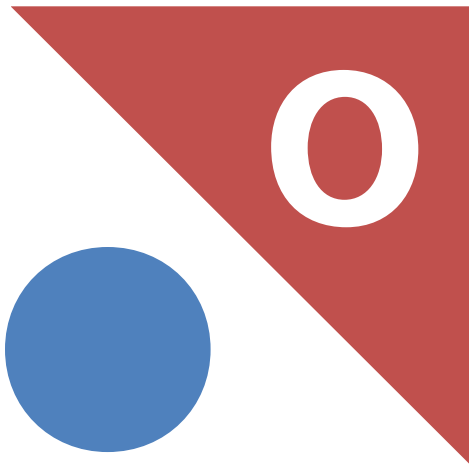
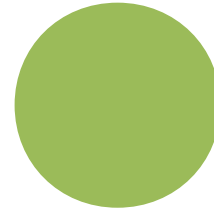
- Ongoing regulatory strengthening – ISO 9001, WHO GBT, WHO PreQ etc.
- Capacity to monitor vaccine distribution and conduct in-country serialization
- History as lead implementer of cutting edge technology
- Competent workforce

- Technical guidelines and regulations are being developed
- Visibility of the Supply Chain
- Awareness creation among stakeholders
- Interoperability/Integration with existing systems – PIDCARMS, etc.
- Multi-stakeholder collaboration

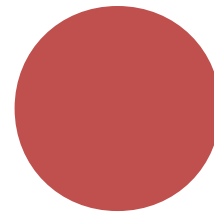
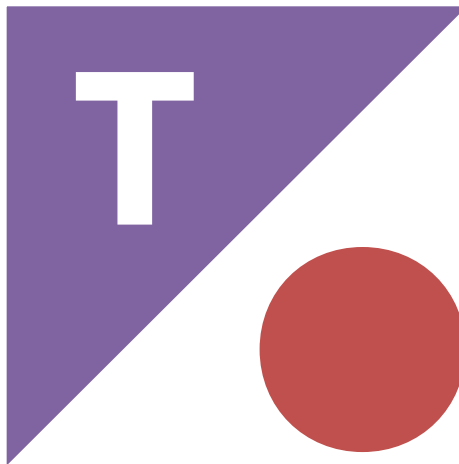
Strengths



Gaps



Opportunities



Threats

- Unavailability of Event data (Aggregation and Commissioning)
- Insufficient funding and equipment
- Incidents of failed scans
- Primary package traceability

- Huge supply chain traceability infrastructure deficit
- Existing chaotic drug distribution chain
- Sustained stakeholders cooperation
- Limited funding to drive traceability implementation



- **On-going Activities in 5-year implementation**
 - Work with stakeholders on pilot to test prototype traceability implementation
 - Private sector pilots underway
 - Adopt Global Trust Repository for visibility of all health commodities in the supply chain
 - Use pilot results for future pilots and as input for regulation
 - In-country serialization of Moderna COVID-19 vaccines
 - Scaling the scanning of COVID-19 vaccines to all LGAs in Nigeria
 - Develop regulations to support traceability implementation
 - Zero draft being reviewed internally
 - Develop and sustain supply chain traceability system



Thank you

