Nigeria Centre for Disease Control

Progress in last two years

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Nigeria’s public health institute

**Mandate**

Prevent, detect, and control spread of communicable diseases

Coordinate **surveillance systems** to collect, analyse and interpret data on communicable diseases to guide action

**Support States** in responding to small outbreaks, and lead response to large disease outbreaks

Develop and maintain a network of **public health laboratories**

Conduct, collate, synthesise and disseminate **public health research** to inform policy

**Coordinate** the compliance with **international health regulations**
## History of NCDC

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tr>
<td>2007</td>
<td>Endorsed by 51st National Council of Health in Lagos</td>
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<td>2010</td>
<td>Minister of Health approves recommendation to establish NCDC and submits memo to the Fed. Exec. Council</td>
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<td>2011</td>
<td>NCDC project initiated via a Memo signed by the Permanent Secretary (FMOH) constituted by moving Epidemiology Div of FMOH, Avian Influenza project, and all the laboratories established by the project, and Nigeria Field Epi Training</td>
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<td>2015</td>
<td>NCDC selected as host of ECOWAS Regional CDC</td>
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<td>2017</td>
<td>Bill approved by Federal Executive Council. Sent to National Assembly</td>
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<td>March 2018</td>
<td>Bill passed by Nigerian Senate</td>
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<td>July 2018</td>
<td>Bill passed by House of Representatives</td>
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<td>November 2018</td>
<td>NCDC Act signed into law by President Muhammadu Buhari</td>
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NCDC’s role- The NCDC Act (2018)

- Protect Nigerians from the impact of communicable diseases
- **Coordination** of public health preparedness, surveillance, laboratory and response functions for **all infectious diseases**
- Lead Nigeria’s implementation of **International Health Regulations**
- Lead the implementation of **Nigeria Field Epidemiology and Laboratory Training Programme**
- Build trust among Nigerians through regular communication
Public Health Emergencies in Nigeria

- **Ebola outbreak (2014):** Highlighted the global health security challenges across the region.
- **Polio Re-emergence (2016):** Re-emergence of wild polio virus (WPV1) in the north eastern state of Borno-Insurgency and interruption in AFP surveillance major causes.
- **CMV outbreak (2017):** Largest outbreak of Serotype C reported in Nigeria.
- **Monkeys box outbreak (2017):** Re-emergence after 40 years.
- **Lassa Fever outbreak (2018):** Largest outbreak of Lassa fever reported in Nigeria.
PROGRESS IN LAST TWO YEARS
NIGERIA JEE SCORES - 2017 & 2019

TOTAL READY SCORE

2019 SCORE
46%

2017 SCORE
39%

Prevent: 2017 - 40, 2019 - 41
Detect: 2017 - 50, 2019 - 58
Respond: 2017 - 33, 2019 - 46
Other IHR Hazards: 2017 - 37, 2019 - 43

KEY: <40, >40
National Incident Coordination Centre

- Established in October 2017
- Monitors outbreaks and public health events 24/7
- Serves as Emergency Operations Centre during outbreaks
- Manages deployment of Rapid Response Teams
- Networked with State PHEOCs
- Trained professionals and can deploy in 2 hours
State PHEOCs

- Established in 21 states
- Support state level coordination for outbreaks and public health event
- Support from NCDC through training, mentorship and regular simulations
- Networked with NCDC and within network
- Goal: To have a State PHEOC in all states in Nigeria by Q1 2020
Preparedness: Simulation exercises, AARs

- Regular **simulation exercises** held with States and in NCDC
- **After Action Review meetings** held after every large outbreak
- **Supply chain support** to states with medical consumables, PPEs etc.
SORMAS for digital surveillance

- Completed fully in 15 states
- Ensures case-based information on infectious diseases
- Support from NCDC through training, mentorship, data and human resource
- Goal: To deploy SORMAS in all states in Nigeria by Q1 2020
National Reference Laboratory

- Operationalized in May 2017
- Capacity to test for all epidemic prone diseases in Nigeria
- Central laboratory for National AIDS Impact Indicator Survey
- Capacity for differential diagnosis for monkeypox and Lassa fever
- Capacity for genetic sequencing
- Large biorepository
Antimicrobial Resistance

• National guideline for AMR surveillance developed

• Contribution to Global Antimicrobial Resistance Surveillance System

• Nigeria participates in external quality assurance programmes

• NCDC supporting laboratories with consumables, reagents

• Recipient of Fleming fund grant for AMR surveillance strengthening, Fleming Fellowship

• Fleming Fund Regional Grant
Infection Prevention and Control

- National training manual for IPC in Nigeria developed in 2018
- Extensive training of health workers in major treatment centres and health facilities on IPC
- Turn Nigeria Orange project launched in 2019 to promote IPC in health facilities in Nigeria
- Ongoing support to strengthen major treatment centres and establish new special centre in UATH Gwagwalada
Risk communications

• **Information, Education and Communication materials** developed for all epidemic prone diseases

• Regular and proactive engagement on traditional and social media

• **Support to state health educators** for risk communications campaigns in states and LGAs

• Weekly dissemination of **situation reports** during outbreaks, **weekly epidemiological reports** and **monthly disease updates**
Editorial.

The Nigeria Centre for Disease Control (NCDC) has a strong network of partners that support the agency in the delivery of its mandate to protect the health of Nigerians. Since 2017, NCDC has been collaborating with Resolve to Save Lives (RTSL), an initiative of Vital Strategies, to prevent epidemics in Nigeria. On the 5th of August 2019, the collaboration between NCDC and RTSL was formally launched in Abuja, Nigeria.
Support from IANPHI
Support from IANPHI

Funding and technical support for:

• IMPACT Training for 23 mid-level managers
• Risk communications and media training for NCDC staff
• Development of sample transportation guidelines
• Scientific writing training
• Kick off of the NCDC Library with audio-visual supplies
Collaboration with other NPHIs
Robert Koch Institute Germany

NCDC @NCDCgov · Jan 29

Today we hosted a team from @rki_de as we begin plans for the implementation of a joint project on surveillance of Hepatitis (HEV), Antimicrobial Resistance (AMR) and Infection Prevention and Control (IPC).
Public Health England

• Building national capacity for emergency preparedness and response

• Enhancing national surveillance systems (SitAware, WER)

• Enhancing public health laboratory networks (NRL)

• Supporting workforce development and capacity building
US Centers for Disease Control

- Strengthening of **national surveillance systems** (SORMAS, MSERS, EBS)
- Improvement of **laboratory capacity** (multiplex, biorepository etc)
- Strengthening of **programme management capacities** (Fellowships, training)
- **Workforce development** (Advanced NFELTP)
Why we need strong NPHIs

1. A public health event can go from local to global very rapidly

2. Global health security can only be assured by local health protection

3. A strong surveillance & response system, managed by a skilled public health workforce, organized in a national public health institute is needed in every country

4. Partnerships matter more than ever before

5. Vulnerability for one is vulnerability for all
Our promise is to:

“be a world-class, science based organisation with the competence to protect the Nigerian people from the threats from diseases of public health importance”
THANK YOU