

Strengthening event-based surveillance in the African region

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US CDC's Global Disease Detection Operations Center (GDDOC)
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Global Disease Detection Operations Center



CDC's centralized operations for event-based surveillance (EBS)

Initiated in 2006 and fully operational in 2007

Detection and verification of international disease threats

Operational support for rapid deployment of CDC assets and field teams

U.S. compliance with the IHR

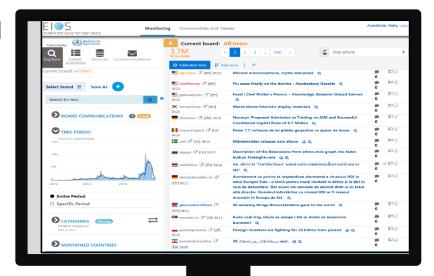
CDC's liaison with Global Outbreak Alert and Response Network (GOARN)

Ops Lead, Global Health Security Initiative EAR Project

Community Manager for the GHSI User Community on EIOS

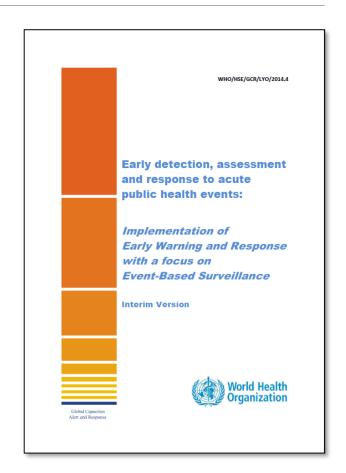
EBS support for partner institutions





Enhancing Internet-based EBS in the African region

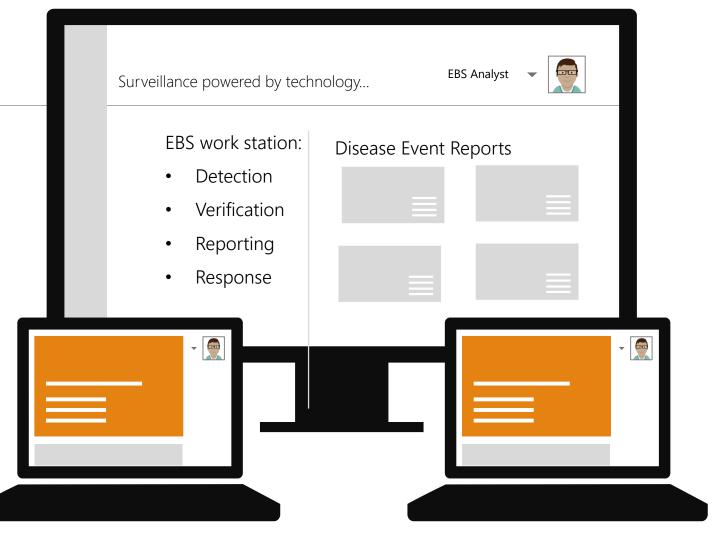
- GDDOC, with support from Resolve to Save Lives and the CDC Foundation, has committed to provide TA to enhance IB EBS assessments and trainings in four countries in the African region to strengthen WHO Member State capacity for early detection and evidence-based decision-making.
- Proposed activities will better align target countries with the International Health Regulations (IHR; 2005) core capacity requirements, and the Joint External Evaluation (JEE) surveillance assessment criteria (D.2.1).
- The initial four target countries include: Nigeria, Uganda,
 Rwanda and the Democratic Republic of the Congo

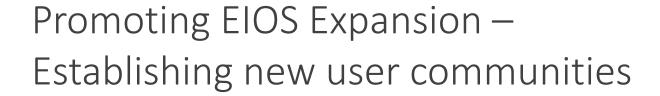


EBS project activities

Each country package to include:

- ✓ A comprehensive alert & response operations (ARO) assessment
- ✓ Customized hands-on EBS training of analysts at the MoH
- ✓ Linkage to available signal detection systems
- ✓ Advise on event management & reporting
- ✓ Distant support & continued engagement in a global EBS network

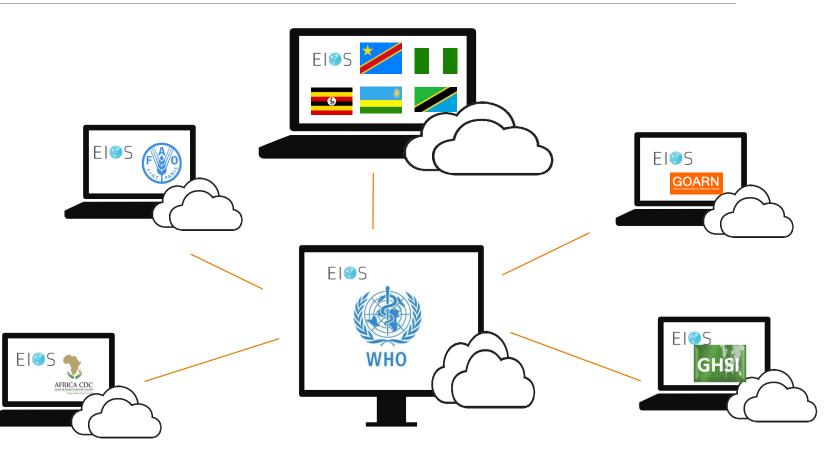




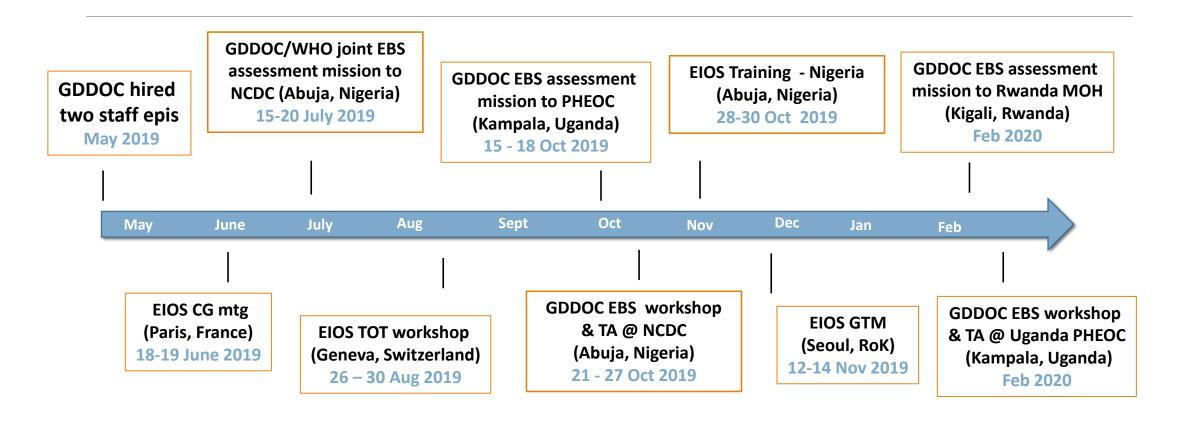


As a current beneficiary of EIOS, GDDOC is knowledgeable of the system and supportive of its implementation in WHO member states.

GDDOC staff are part of the EIOS Global Trainers
Network and, in partnership with WHO, have cofacilitated EIOS system training (Nigeria - Oct 2019).

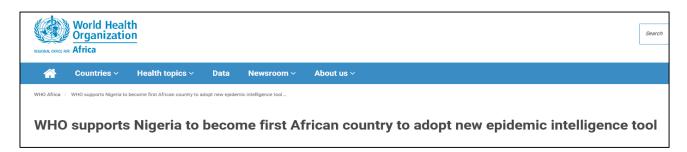


Timeline of key EBS project activities



May 2019 – February 2020

EBS Project Spotlight — Nigeria Center for Disease Control







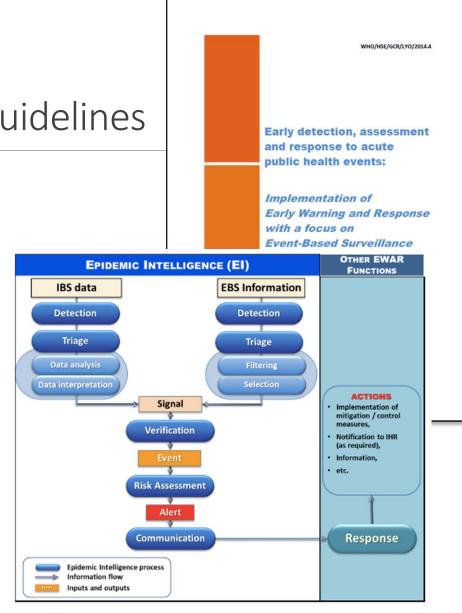


Key EBS Activities with Nigeria CDC:

- Training on EBS core competencies
- Updating NCDC's EBS SOPs & workflow
- Refinement of NCDC's EMS, SITAware
- Optimizing signal detection activities (EIOS)
- Access to contextual information (GIDEON)
- Revision of EBS reporting products
- Developing an SME contact list/ disease DB
- Establishing an EBS team group mailbox
- Many more!

Major themes & observations – Consistency & alignment with global guidelines

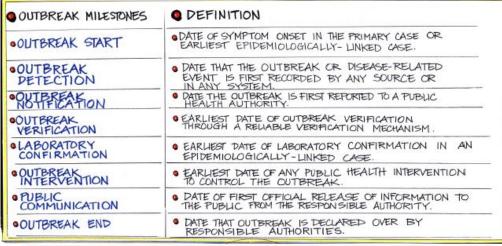
- Standardize EBS language terminologies to ensure accuracy and consistency with global guidelines
 - WHO 2014 Interim Guidelines for EBS
- Align EBS workflows to Epidemic Intelligence (EI) cascade to enable standardization of approaches to EI
- Streamline operational guidelines to find efficiencies in EBS processes so as to strengthen capacities in early detection and reporting
 - Document processes in an EBS SOP

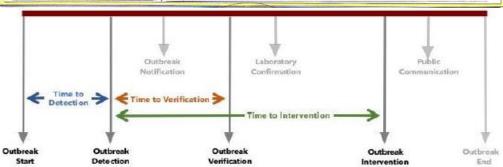


Major themes & observations – EBS system support & interoperability

- Capitalize on existing systems/surveillance architecture in place
- Consider integration of digital surveillance platforms
 - Community-based + internet-based signal detection systems
 - Signal detection + event management systems
 - Event management + event reporting systems
 - EBS systems + IBS systems
- Refine key data elements and indicators captured by EBS systems to ensure EBS performance is effectively monitored
 - Salzburg outbreak timeliness metrics

OUTBREAK TIMELINESS METRICS





Major themes & observations – Partner engagement





 Foster synergies with other surveillance programs currently supporting EBS or related activities at partner institutions



Leverage expertise of partner organizations



Reduce duplication of efforts



Increase adaptability of surveillance program











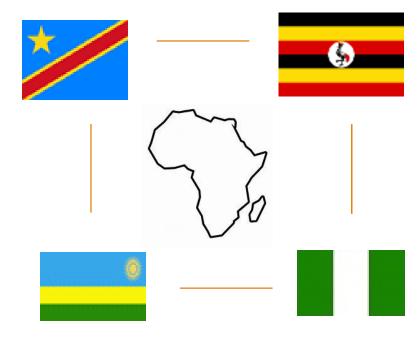






Major themes & observations – Supporting future leaders & building a global EBS network

- Establish a surveillance network of public health experts that reach beyond individual countries/ surveillance communities
- Support leaders in EBS across the African region
- Foster South-South collaborations
- Maintain and continuously develop a global EBS network
 - Continued distant mentorship
 - Frequent communication and information sharing
 - Opportunities for EBS rotations at CDC-Atlanta/ WHO-Geneva





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