

IMPLEMENTING EIOS AT AFRICA CDC

WHO EIOS Technical Meeting Seoul, South Korea 13 November 2019

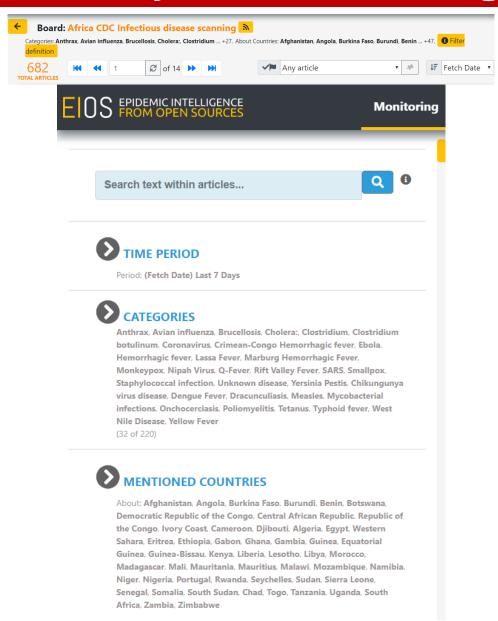
Overview

- Status of implementation
- Obstacles
- Recommendations for development and expansion

Status of EIOS Implementation at Africa CDC

- Primary tool for internal Africa CDC event-based surveillance
- Team of up to 4 users performs routine scanning Monday-Friday
- Verify, assess, report, track events
- Summary report circulated internally each week
- Ad hoc reports released for some acute events, e.g.,
 Ebola imported into Uganda

Africa CDC Priority List, Monitoring Board



Weekly Media Scanning Workflow



Africa CDC Weekly Surveillance Report



Africa CDC Weekly Event Based Surveillance Report 14 October – 18 October 2019

Date of Issue: 18 October 2019

HUMAN EVENTS				
Event	Location		Risk	Page
Ebola virus disease	DRC		Very High	2
Measles	DRC		Moderate	2
Cholera	Sudan		_ow	3
Plague	DRC		Moderate	3
Yellow fever	Nigeria		Moderate	4
Lassa fever	Nigeria		High	5
Monkeypox	Nigeria		_ow	6
ANIMAL EVENTS	W			
African Swine Fever	Malawi		No Risk	7
Anthrax	Namibia		Moderate	7
OTHER EVENTS				8
DEPLOYMENTS				
Event	Location	Persons		Deployed
Ebola Virus Disease		57 volunteers deployed		01 August 2018 (36) September 2019 (21)
	DRC	Dr. Wessam Mankoula		22 September 2019
		Mr. Haftom Taame		22 September 2019
	Uganda	Ms. Ezinne Onwuekwe		06 October 2019
	South Sudan	Dr. Herilinda	Temba	01 October 2019
		Dr. Felix Ingabire		

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HUMAN EVENTS [Updates]

Ebola virus disease in the Democratic Republic of the Congo [Update] 3,2278 cases and 2,158 deaths

First Occurred: August 2018 Date Reported: 1 August 2018 Source: MOH, DRC

Agent/Disease: Ebola virus Country: DRC Subnational: Multiple

Updates to event: Since last 11 October 2019, there have been 15 new confirmed cases and 5 new confirmed deaths. 7 confirmed cases have been discharged alive from Ebola treatment centers (ETCs), resulting in a total of 1038 people recovered. While it is encouraging to see another week of relatively low numbers of newly confirmed cases (Figure 1), these are occurring in a concentrated area where limited access and insecurity pose challenges for the response.

As of 18 October 2019, a total of 3,228 EVD cases, including 3,114 confirmed and 114 probable cases have been reported. To date, confirmed cases have been reported from 29 health zones in 3 provinces. In the last twenty-one (21) days (27 September- 17 October 2019), 10 health zones from two (2) provinces have reported at least one confirmed case. North Kivu Province, majority of the cases were recorded in Kalunguta (4) and Beni (4) and remaining cases were reported in: Oicha (3), Lolwa (3), Biena (2), Butembo (1) and Katwa (1). Ituri Province, the majority of cases were recorded in Mandima (28), Mambasa (5) and remaining cases were reported in Nyakunde (1) and Komanda (1).

As of 18 October 2019, a total of 2,158 deaths were recorded, including 2,029 among confirmed cases, resulting in a case fatality ratio (CFR) among confirmed cases of 67%. The cumulative number of cases among health workers is 161 (5% of all confirmed and probable cases). As of 15 October 2019, a cumulative total of 237,165 people have been vaccinated since the start of the outbreak in August 2018.

Response: The Coordination of Ebola virus response team has announced that the administration of the second effective preventive vaccine by Johnson & Johnson in country's eastern province in November at Goma (North kivu). The arrival of new vaccine is schedule for October 18.

Risk assessment: Very High

Basis for risk assessment

- 1. High probability of spread within Member State: Yes
- 2. Threat unusual or unexpected: No
- 3. High probability of spread to other countries: Yes
- 4. Likely to cause severe disease in this population: Yes
- 5. Effective treatments and control measures available in Member State: No

Measles in the Democratic Republic of the Congo [Update] 203,179 cases and 4,065 deaths

First Occurred: January 2019 Date reported: 21 May 2019 Source: WHO

Agent/Disease: Measles Country: DRC Subnational: Multiple

Updates to Event: Since the last report (14 October 2019), 6,922 new measles cases including 152 deaths were reported from all 26 provinces of the country. In total, 214 (41%) of the 519 health zones across the country have reported a confirmed measles outbreak. Since the beginning of 2019, 203,179 measles cases including 4,065 deaths (CFR 2%) have been recorded. Overall, 51% of cases reported in 2019 have been notified from Tshopo, Lualaba, Kasai and Haut-Lomami provinces. The case fatality rate is higher in the provinces of Sankuru (5%), central Kasai (5%), Tshuapa (4%), Ecuador (3%) and Kwilu (3%).

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Obstacles

- Internet
 - Limited bandwidth
 - Unstable connection
- Learning curve for staff working on EIOS part-time
- Long-term plan to develop internal Africa CDC event-management system
 - Connect to EIOS and allow collaborative report writing and assessment by Africa CDC headquarters and regional personnel
 - Development stalled, because of difficulty in finalizing contract between African Union and external partner

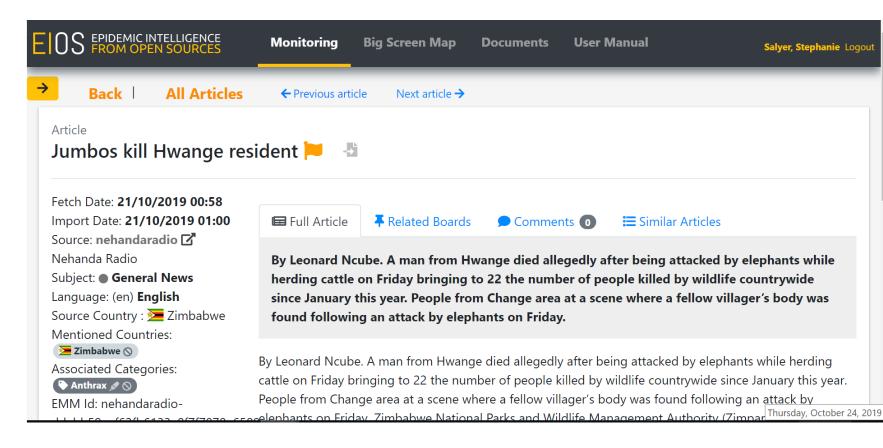
Needs from WHO/EIOS

- Offline mode or low-bandwidth optimization
- Better filters for noise

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A recent anthrax event



Needs from WHO/EIOS

- Offline mode or low-bandwidth optimization
- Better filters for noise
- Expand user base among African Member States
 - Advances event-based surveillance in Africa
 - Increases community of users who can assist each other and identify priorities for improvement
- Other (minor?) enhancements
 - Ability to tag and filter events in different populations (animal, human, environment)
 - Preset regional filters (e.g., Africa)