

U.S. Centers for Disease Control and Prevention (CDC) and Response to Coronavirus (COVID-19)



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Director**

CDC Uganda Contributes to Global Initiatives in Uganda

- President's Emergency Plan for AIDS Relief (PEPFAR)
- President's Malaria Initiative (PMI)
- Global Health Security Agenda (GHSA)
- Saving Mothers, Giving Life (SMGL)
 - Initiative to reduce maternal mortality
- INSPIRE Initiative
 - Effort to reduce violence in children
- Local Capacity Initiative (LCI) to build capacity of civil-society organizations

CDC Funds Ugandan Partners

Government entities

- Ministry of Health
 - Public Health Emergency Operations Center (PHEOC)
- Uganda Virus Research Institute (UVRI)
- Uganda National Health Laboratory Services (UNHLS)
- Makerere University School of Public Health
- Uganda Prison Service (UPS)

Other Ugandan institutions

- Infectious Diseases Institute (IDI)
- The AIDS Support Organization (TASO)
- Mildmay Uganda
- Rakai Health Sciences Program (RHSP)
- Baylor Uganda
- Medical Access Uganda (MAUL)
- AFENET (African Field Epidemiology Network)

Critical Pillars of Focus for CDC

WHAT WE DO

CDC has more than 70 years of public health excellence, a record of trail blazing science, and evidence-based decision making. Led by the world's experts in disease detection, outbreak investigation, laboratory systems and emergency response, CDC provides critical services to keep Americans safe, healthy, and secure.



LABORATORY EXPERTISE

Our labs have developed gold standard tests used during emergencies, and serve as reference centers across the globe



PUBLIC HEALTH SURVEILLANCE

We track and monitor diseases to stop and eliminate their spread



WORKFORCE DEVELOPMENT

We build in-country public health preparedness, including training a ready global workforce



EMERGENCY OPERATIONS

We provide expertise to other nations to develop emergency operations centers and stop outbreaks faster



REAL TIME EVALUATION AND RESEARCH

We conduct on-the-ground evaluation of what works to optimize life-saving programs and services

Public health programs and service delivery

2013 Global Health Security Demonstration

Project

Nationwide
Lab
Network

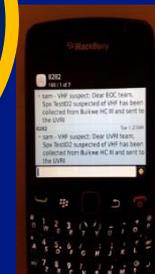
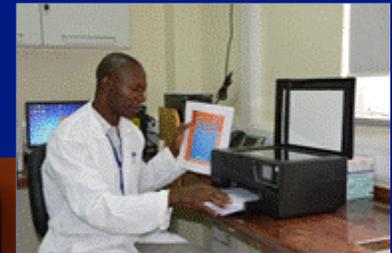
Real-Time
Information
System

Emergency
Operations
Center

Prevent

Detect

Respond



dhis2



National Specimen Referral and Transport Network



Community



Health Facility

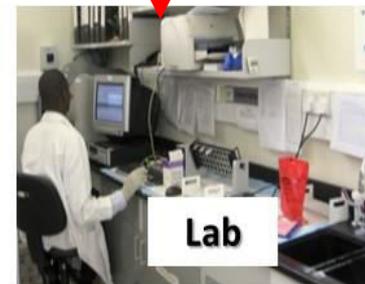
DGHP/DGHT/DHCPP/DVBD
(EID)



Motorcycle taxi



Regional HUB



Lab



DGHT / DGHP / WB
CPHL / NHLS / NTLP



Uganda Virus Research Institute

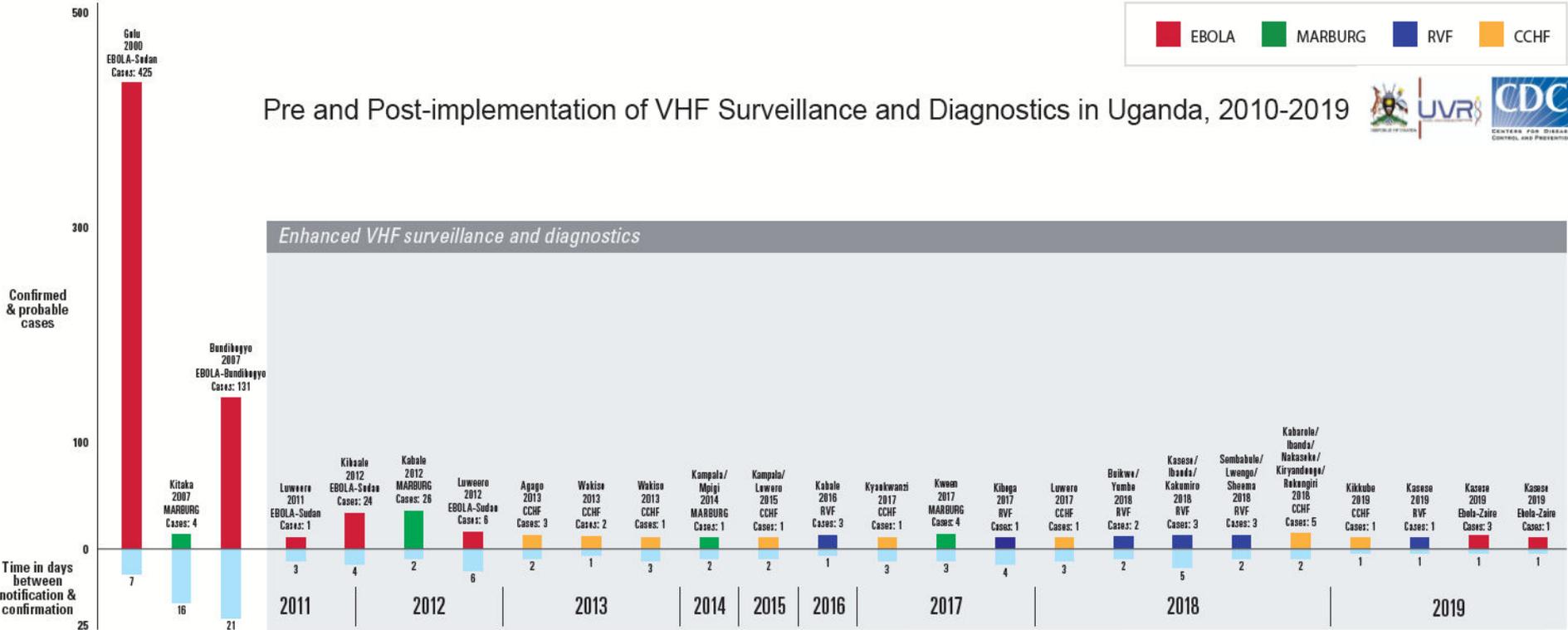
 Uganda
Ministry of Health
Public Health
Emergency Operations Centre

Impact from CDC Investment in UVRI Viral Hemorrhagic Fever (VHF) Reference Lab

Pre and Post-implementation of VHF Surveillance and Diagnostics in Uganda, 2010-2019



EBOLA MARBURG RVF CCHF



Capacity for suspect case identification and rapid testing in country has resulted in more detection and smaller outbreaks since 2000

Emergency Operations Success Stories

Uganda Emergency Operations Center (EOC)

- Established of Virtual EOC capacity
- 30+ National Task Force Meetings since August 1, 2018
- 3 Staff participated in CDC Fellowship Program
- Coordinated >50 investigations
- Hosted 17 African Delegations since 2015 to share best practices

Ebola Preparedness

- National / District Rapid Response Team coordination
- Ebola Simulation Exercise April 2019
- Development of 2 Ebola Contingency Plans
- District Preparedness Plan Development
- IMS Leadership & Mentorship Training

Improving Alert Verification

- Electronic sample tracker customized and piloted to address tracking and notification of IDSR sample collection, transportation and receipt

Preparedness & Emergency Fund

- Leading efforts with RESOLVE to develop mechanism to access funding for early response to suspect alerts



Uganda's Disease Detectives: at Work to Keep the World Safe

Trained Responders Stop Threats

Uganda's disease detectives play a vital role in stopping some of the world's deadliest public health threats. Trained through the country's CDC-supported Field Epidemiology Training Program (FETP), these "boots on the ground" responders are often first on the scene to help track, contain, and eliminate outbreaks before they become widespread epidemics.

Examples of Outbreaks/ Public Health Emergencies Investigated by FETP Fellows

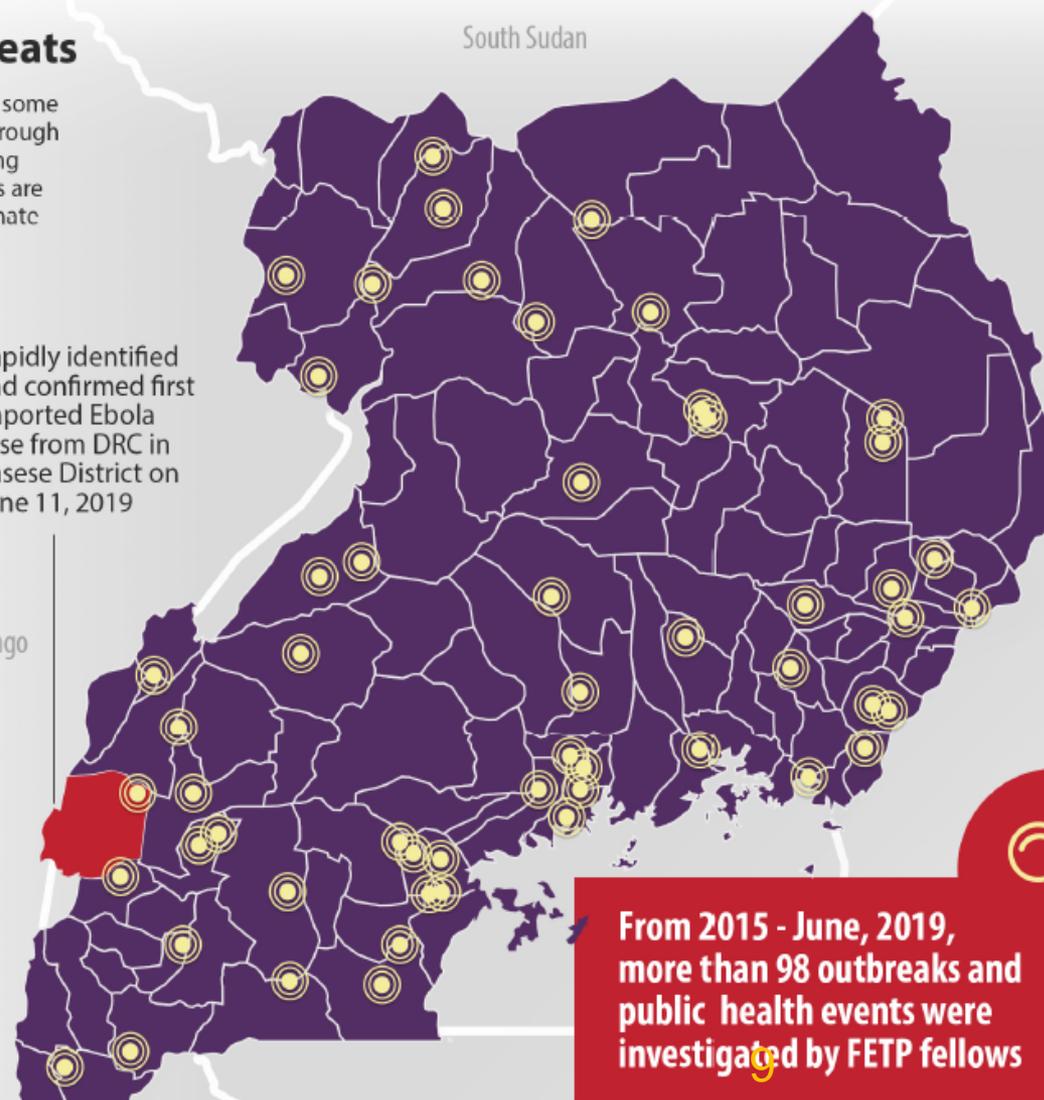
- Acute methanol poisoning
- Acute cassava poisoning
- Acute metam sodium poisoning
- Acute organophosphate poisoning
- Anthrax
- Cholera
- Crimean-Congo hemorrhagic fever
- Ebola Virus Disease
- Hepatitis E
- Influenza, avian/human
- Leptospirosis
- Malaria
- Measles
- Multi-drug-resistant tuberculosis
- Neisseria meningitidis
- Nodding Disease/epilepsy
- Rift Valley fever
- Schistosomiasis
- Typhoid
- Yellow fever

Rapidly identified and confirmed first imported Ebola case from DRC in Kasese District on June 11, 2019

DR Congo

South Sudan

Kenya



From 2015 - June, 2019,
more than 98 outbreaks and
public health events were
investigated by FETP fellows



Outbreaks Investigated
by FETP fellows (2015-2019)

Infection Prevention and Control (IPC)

- Support to Infectious Diseases Institute (IDI) and MOH
 - National assessment completed in 2018
 - Development of training materials
 - Facility-based assessments for Ebola preparedness and on-the-ground mentorship
- Piloted local production of alcohol-based hand gel
- Assessment of WASH in health facilities in Western Uganda (Hilton Foundation)



Hospital	1. Screening and Isolation		2. IPC Organisation		3. Standard Precautions										Overall GREEN Score (excl. E)
	A) Hand Hygiene	B) Personal Protective Equipment	C) Sharps Safety	D) Decontamination of medical Equipment	E) Decontamination of Linen*	F) Decontamination of the Environment	G) Waste management	4. Supplies	5. criteria for hospitals	Overall GREEN Score (excl. E)					
	17	14	17	16	13	14	13	14	16	14	16	110			
Jinja	4	4	6	5	3	4	1	4	5	2	5	9			
Soroti	3	4	3	4	3	3	3	3	4	0	6	6			
Mbarara	4	4	6	3	2	4	3	3	5	1	5	6			
Hoima	0	4	1	4	3	3	3	3	4	3	4	5			
Mubende	3	4	6	4	3	2	1	3	4	1	4	5			
Kabale	4	4	2	4	3	3	2	3	4	1	4	5			
Mbale	4	4	4	1	3	4	2	3	5	3	2	5			
Moroto	3	3	4	5	2	3	3	3	3	1	4	3			
Gulu	0	2	2	4	1	3	0	1	3	1	5	3			
Masaka	2	3	3	3	1	3	2	2	1	4	6	3			
Arua	0	4	4	3	1	3	3	2	2	0	4	2			
Naguru	2	2	4	2	1	3	2	2	3	3	5	2			
Lira	0	3	3	2	2	4	2	2	4	1	3	1			
Fort portal	0	2	2	2	2	2	1	1	2	2	1	0			
Total Green score (/14)	0	8	3	7	6	12	5	8	3	1	6				

CDC Support to COVID-19 Preparedness and Response

Laboratory

- Build on existing CDC support to UVRI and UNHLS
- Timely return of results reporting

Public Health Surveillance

- Build on event-based surveillance and other strategies
- Support development of contact tracing and tracking efforts

Workforce Development

- Leverage Public Health Fellowship Program fellows
- Capacity development in infection prevention and control

Emergency Operations

- Fund additional staff in the PHEOC
- Redirect CDC Uganda staff to this effort

Real-time evaluation and research

- Use data in real time to inform response

Public health programs and service delivery

- Support ongoing policy and protocol development
- Strengthen technical capacity in Epidemiology Department



Mweebale Nnyo!

Asante sana!

Thank You!

For more information please contact Centers for Disease Control and Prevention

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Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov Web: www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

