

Promoting Health Equity Through Implementation of ECHO Virtual Communities of Practice: to Build Global Health Workforce Capacity

PEACE Engineering ECHO Africa September 14, 2020

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Namibia HIV ECHO November 2015



A screenshot of a Zoom meeting interface. The main area is a 4x5 grid of 20 video thumbnails. The top-left thumbnail is labeled "MoHSS Hub". The bottom-right thumbnail is labeled "Hambex". The control bar at the bottom includes icons for Unmute, Stop Video, Invite, Participants (34), Share Screen, Chat, Record, and Leave Meeting. The top of the interface shows "Recording" and "Speaker View / Exit Full Screen" options. Navigation arrows with "1/2" are visible on the left and right sides of the grid.

Kenya MDR TB ECHO – August 2016



Recording Speaker View Exit Full Screen

 Meshack Otwor	 Bruce Struminger [UNM Projec...	 Administrator	 Sammy Rop	 KIRINYAGA TEAM
 Galaxy Core Prime	 Lorraine Mugambi-Nyaboga	 Edwin Nyakan	 JOM	 adriangardner
 Masini	 Kandie	 user1	 adams jared	 ANNOH
 Jacqueline Naija	 MISOI	 STEPHEN MURAGE	 Fredrick Ogolla	 Josphinewahogomburu
 Paul Lodi	 Evelyn	 Maureen Kimenye	 Dr. Wambugu	 Galaxy Note 5

Unmute Stop Video Invite Participants 33 Share Screen Chat Record Leave Meeting

Project ECHO's Aspirations

At Project ECHO our mission is to democratize medical knowledge and dramatically improve access to best practice care to underserved people all over the world.

Our goal is to improve the lives of 1 billion people by 2025.

The ECHO Model

1. Leverage Technology



- Multipoint videoconferencing to co-create platforms for enhanced communication and collaboration through virtual face-to-face communities of practice and learning
- amplify scarce human resources, both specialists and primary care
- empower the agency of local experts and practitioners

2. Case-Based Learning



- Master complexity through collaborative management of patients and public health problems with subject matter experts at centers of excellence
- guided practice [learning by doing] via tele-mentoring

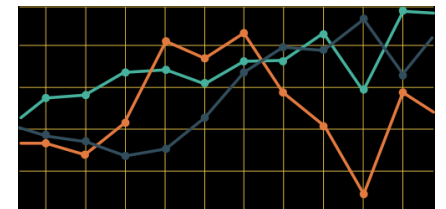
3. Sharing Best Practices



- Improve outcomes by reducing variation in processes of care
- Brief didactic presentations [10-20 min]
- Reinforcement of evidence-based guidelines, etc

4. Monitor and Evaluate Outcomes

- to promote continuous quality improvement



What's the difference?



ECHO

- Uses the ECHO model – participation is free
- Short didactics
- Case-based learning
- Interactive and participatory
- Learners are seen as experts in their context
- Regular, ongoing over a period of time, following a curriculum of interest to learner
- Participants engage visually and become a virtual community of practice
- Building community is a key aim
- Low Dose High Frequency learning
- Aims to present unbiased information
- Earn CE credits

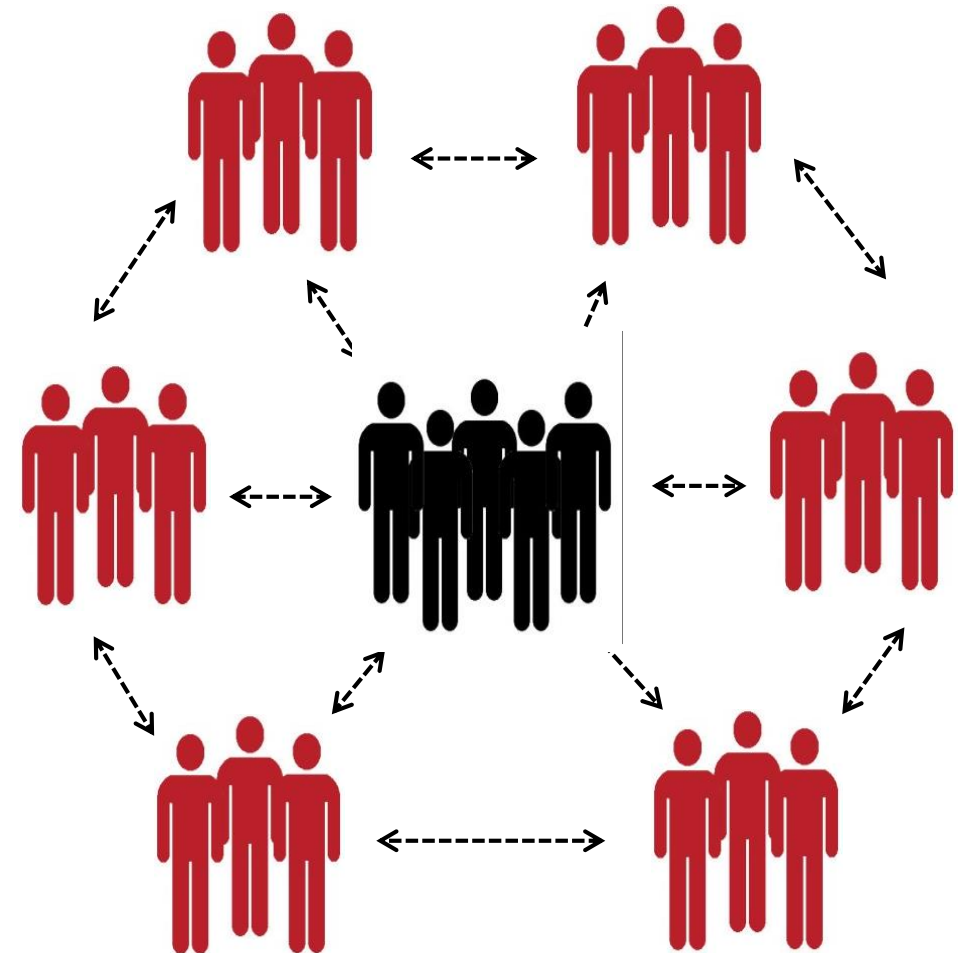


Webinar

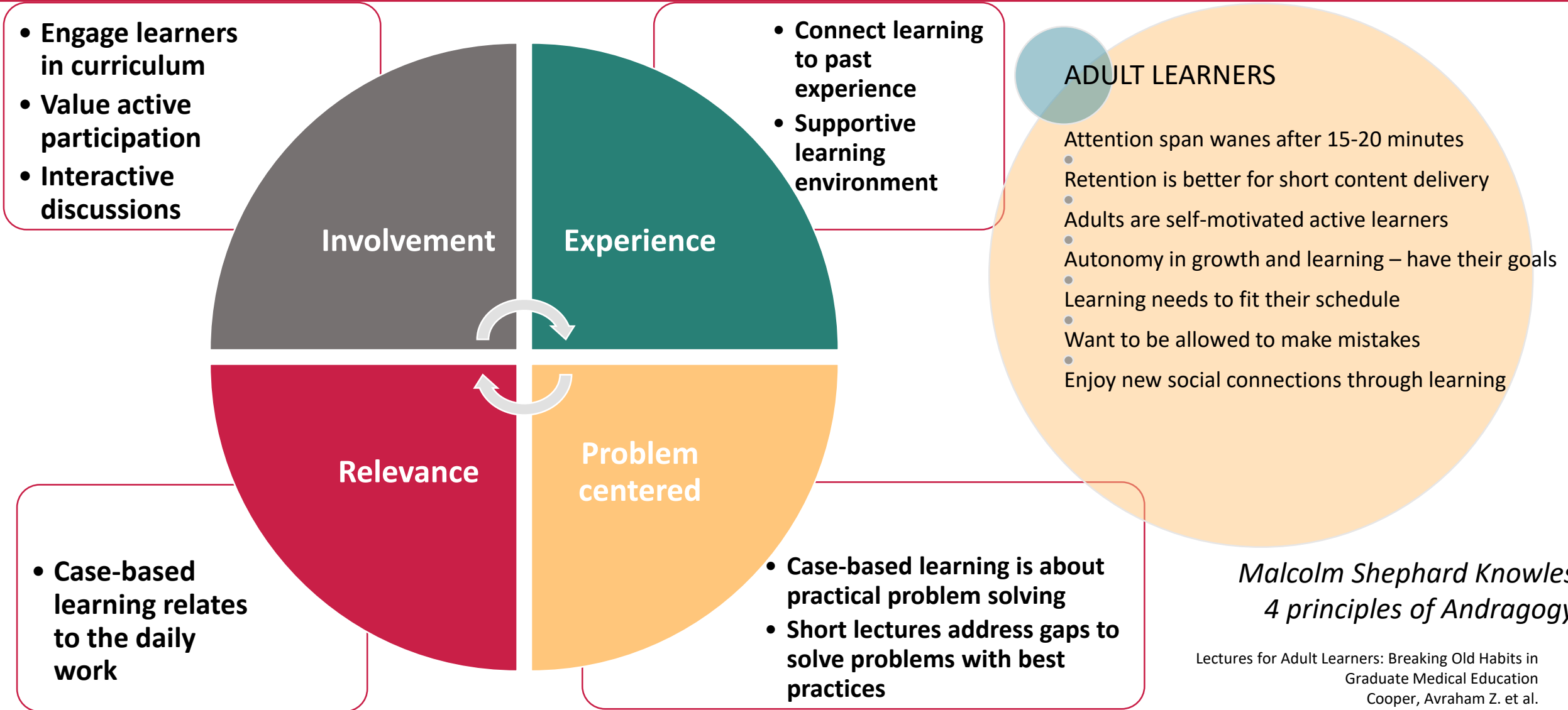
- Structure varies – may cost a fee to participate
- Long presentations/lectures as dominant pedagogical feature
- May be passive with no or minimal discussion
- Case based learning not essential part of webinar
- Information/knowledge is pushed out– one way teach/learn approach
- Often a one-time only learning event
- Participants often are not seen and remain strangers
- May have commercial bias

Dynamic Learning Loops

- Interactive Learning Environment
- Co-management of Cases
- Learning by doing
- Learning from didactics
- Learning from each other
- Collaborative Problem Solving



The ECHO Model and Adult Learning



Bridge Building



Ministries of Health and
Public Health Institutes

Academic Medical
Centers

Public Sector
Health Centers

Private Sector
Health Centers

Hepatitis C

Tuberculosis

HIV

Force Multiplier:

Public Health Practice and Clinical Medicine are Multidisciplinary Team Sports



Physicians

Nurses

Epidemiologists
& Laboratorians

Community Health
Workers

HIV

Tuberculosis

AMR and Antimicrobial Stewardship

Why does ECHO work?

- Need based learning addressing complex problems
- Case-based learning
- Experiential learning
- Collaborative learning
- Low dose, high frequency learning
- Interprofessional learning
- Peer-to-peer learning
- Mentorship with access to experts
- Non-hierarchical learning
- Social learning
- Quality improvement is implicit and increasingly explicit

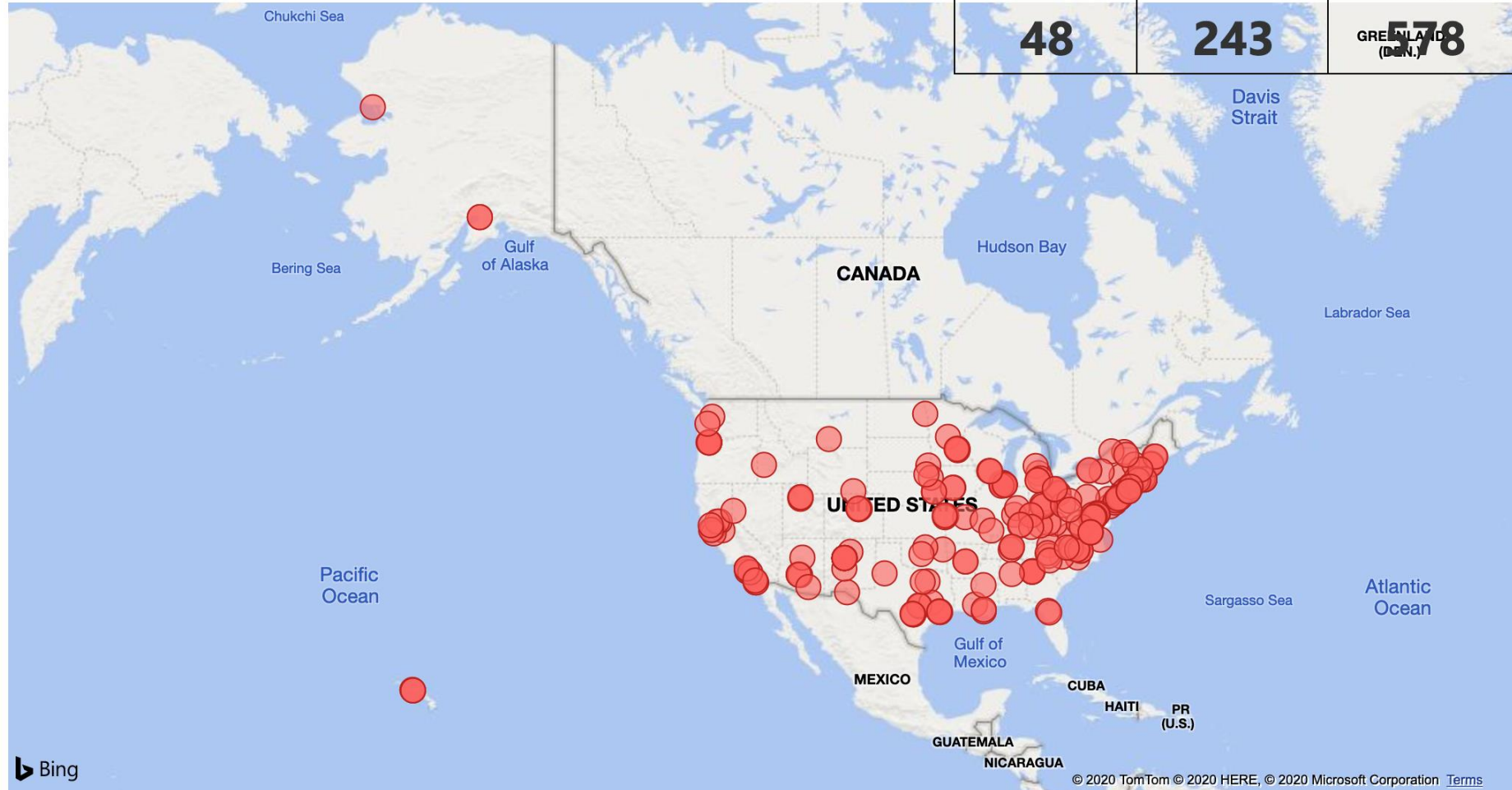
ECHO Partner Hubs & Superhubs: US



ECHO Hubs & Superhubs: United States

Hub Locations

ECHO States	ECHO Hubs	ECHO Programs
48	243	578 <small>GREENLAND (D.N.)</small>



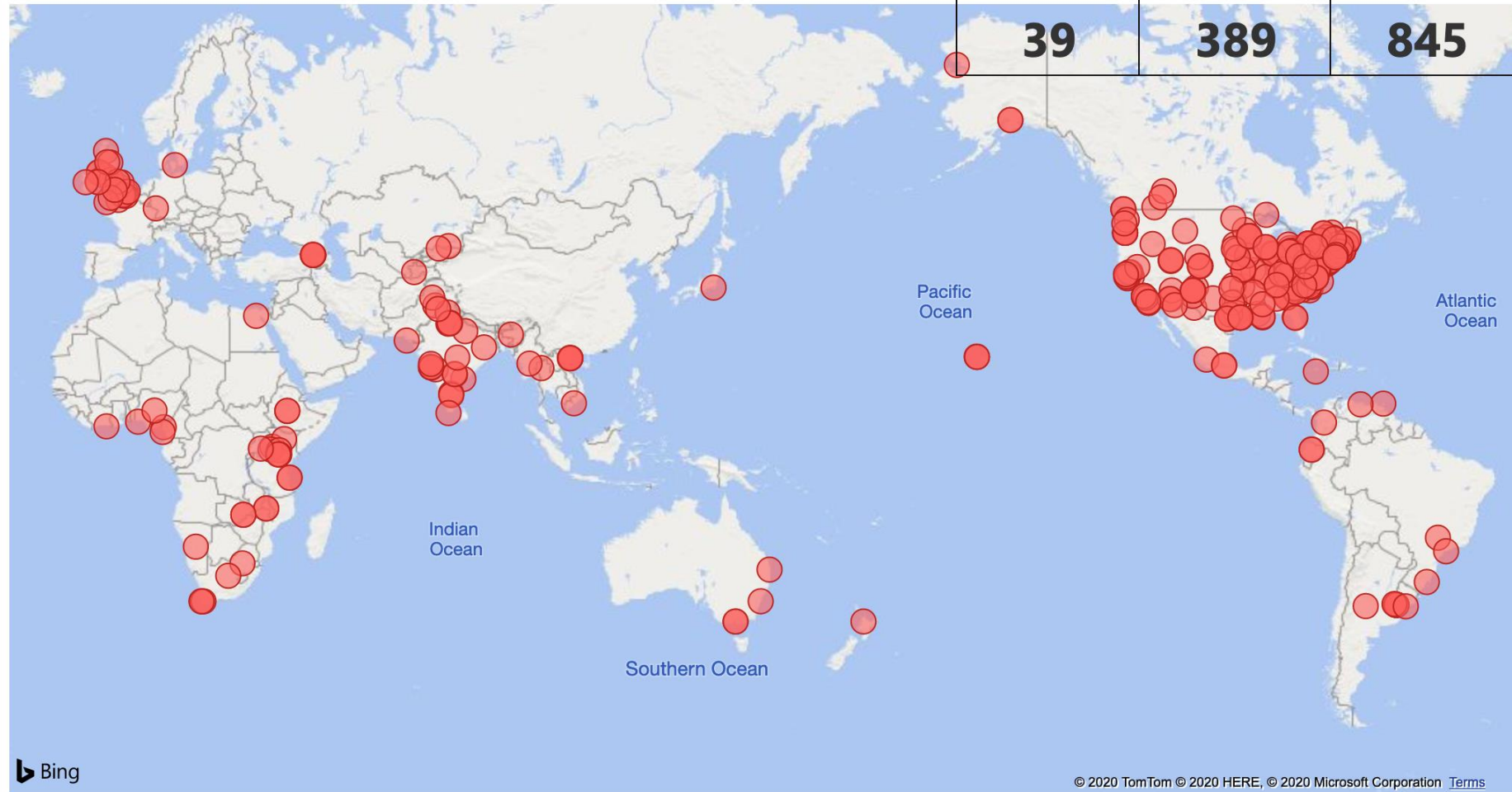
ECHO Partner Hubs & Programs: Global



ECHO Hubs & Programs: Global

Hub Locations

ECHO Countries	ECHO Hubs	ECHO Programs
39	389	845





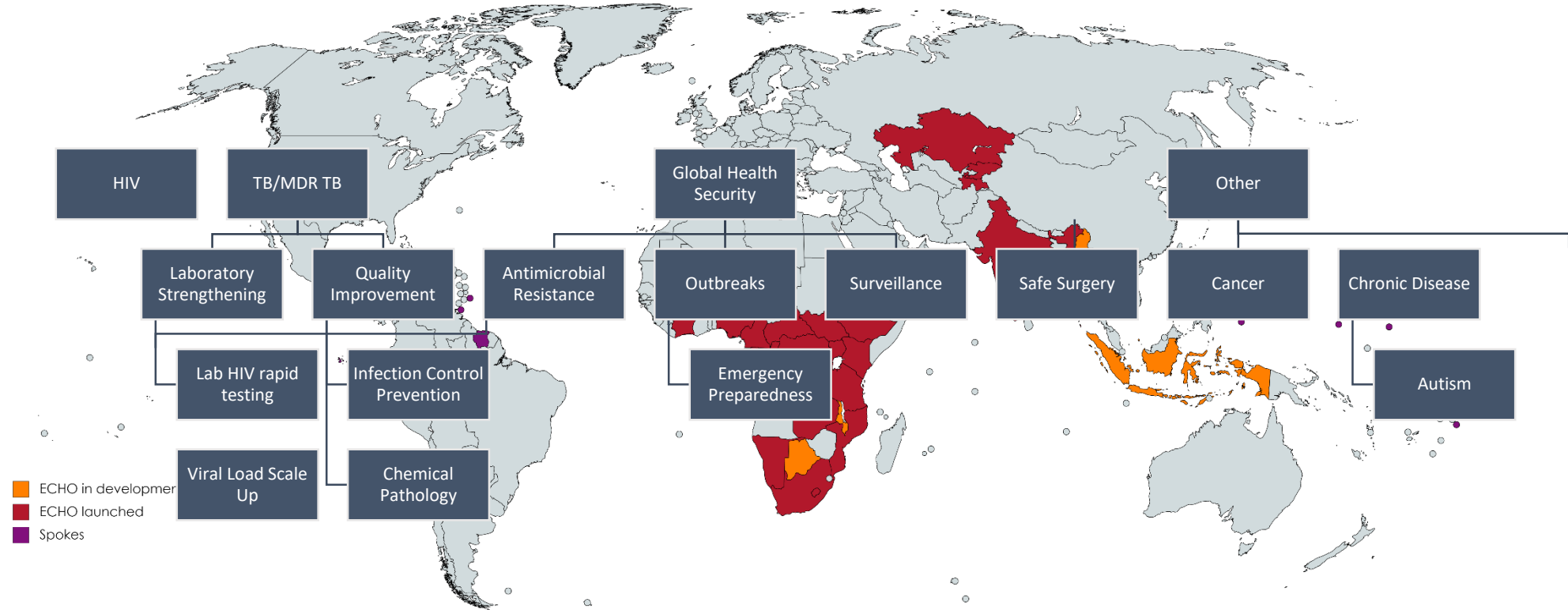
Republic of Namibia
Ministry of Health and Social Services

The Namibian Extension for Community Health care Outcomes (ECHO™) Pilot Evaluation Report



NAMBIANS AND AMERICANS
IN PARTNERSHIP TO FIGHT HIV/AIDS
PEPFAR

Expansion from HIV to many more conditions



Multi-Country Programs in Africa



Lab
CoP



Infection Control
Africa Network

African Society for Laboratory Medicine

With these ECHO programs across borders each connecting participants from 9 to 15 African countries at a time, there are now **over 40 countries in Africa** with participants in ECHO sessions.

Infection Control Africa Network



Infection Control Africa Network

ICAN connects nine countries in Africa to share best practices on Infection Control Prevention

Launched after Western Cape pilot in South Africa in July 2018

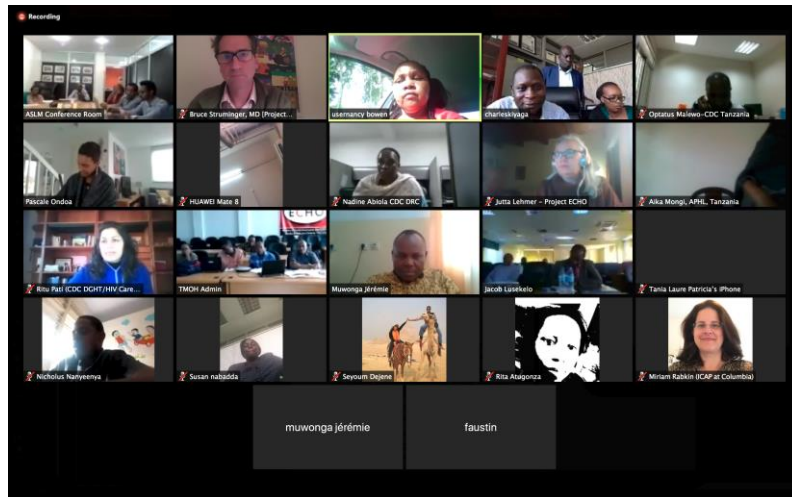
Countries: DR Congo, Tanzania, Kenya, Cameroon, South Africa, Togo, Sierra Leone, Tunisia, Zimbabwe



African Society of Laboratory Medicine

LabCoP ECHO – Launched December 2017

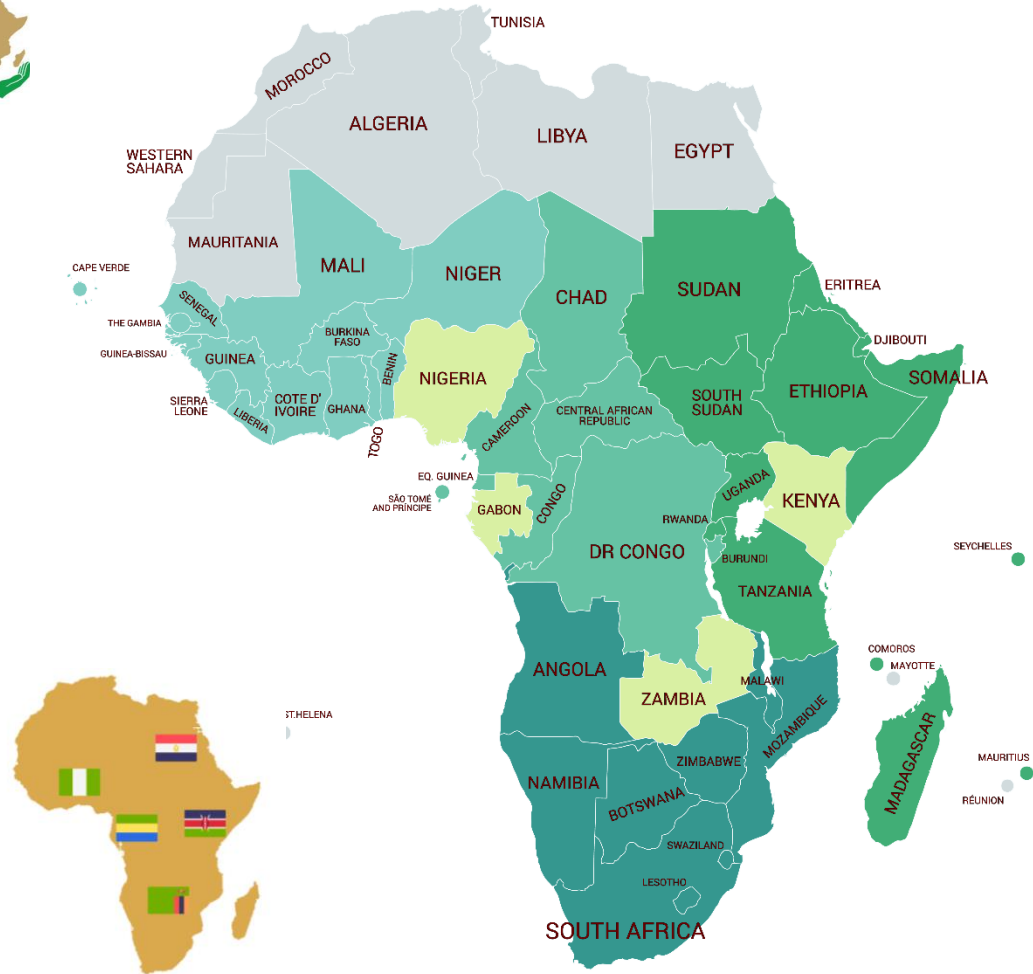
- Monthly Lab Community of Practice connects eleven countries in Western and Southern Africa (Launch December 2017)
- Democratic Republic of Congo, Ethiopia, Sierra Leone, Kenya, Malawi, South Africa, Tanzania, Uganda, Zambia and Zimbabwe

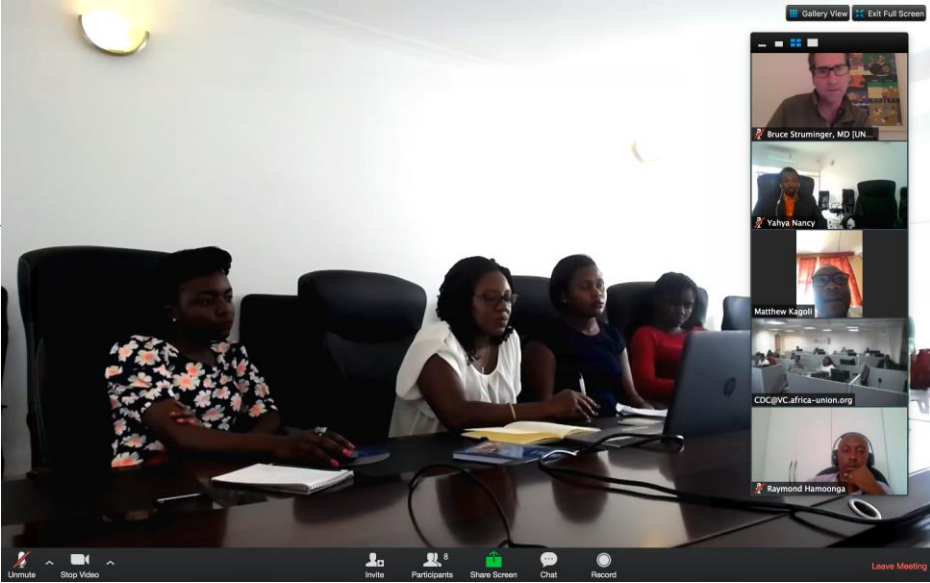


Africa CDC ECHO – Global Health Security

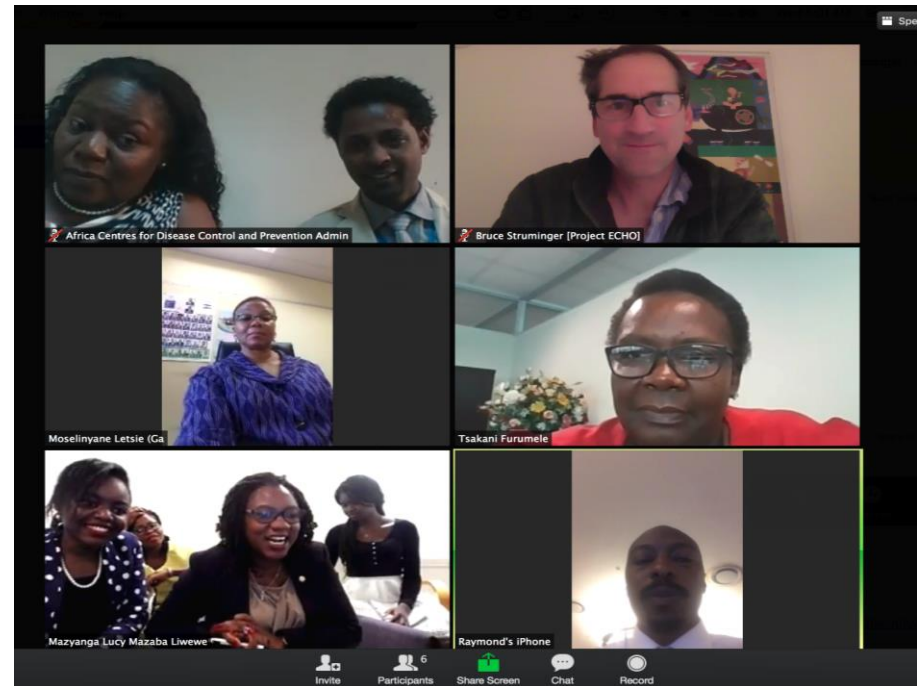


**Implementation of
International Health
Regulations
for four of five regions**
**Southern
Central
Eastern
Connecting**
**Over 40 African countries with
their Regional Collaborating
Centers**





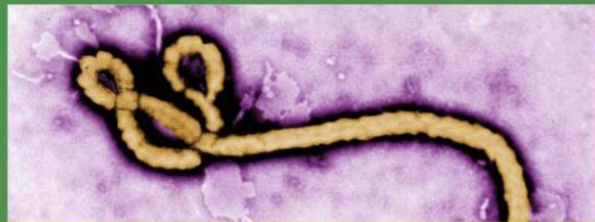
**Southern and Central
Regional Collaborative Centers
for the Africa CDC
Discussing outbreak reports
on Cholera, Monkeypox,
outbreak surveillance in Congo,
Antimicrobial Resistance in Zambia**





1 June 2018

Ebola Virus Disease Outbreak in the DR Congo



Current Situation

On 8 May 2018, the Ministry of Health of the Democratic Republic of the Congo declared an outbreak of Ebola virus disease in the Bikoro Health Zone, Equateur Province.

Slack for communication and document sharing across the Africa CDC Community and RCC sub-communities:



African Union C...
Bruce Struminger

Jump to...

All Threads

Channels

- # centralafricanet
- # disease-surveillance
- # eastern-africa-net
- # echonet
- # general
- # information-systems
- # laboratory-systems
- # ph-research
- # random
- # southernafricaechonet**

Direct Messages

- slackbot
- Bruce Struminger (you)
- Dorothy
- Dorothy, Jutta Lehmer
- Jay Varma, Leo
- Jay Varma, Leo Weakla...
- Jay Varma, RTIdowu
- Jutta Lehmer, Dorothy,...
- Leo
- Leo Weakland
- Linda, Jutta Lehmer

Apps

#southernafricaechonet
26 | 0 | Add a topic

Wednesday, January 24th

YouTube | Africa CDC Southern RCC
Southern ECHO 24 1 2018

Tuesday, January 30th

Dorothy 11:09 PM
uploaded this file:

Zambia_Sitrep_Cholera - 30 January 2018.pdf
726 kB PDF

Situational Report No. 111	
Outbreak Name	Cholera
Date of report	30 th January, 2018
Investigation start date	4 th October, 2017
Prepared by	MOH/ZNFHU/WHO

1. SITUATION UPDATE

- Lusaka District:** As of 06:00hours on 30th January, 2018, there were 25 new cases. There were no cholera deaths recorded in the last 24 hours.
 - Cumulative cases for Lusaka district now stand at 3,578 with 73 deaths
 - Based on the most recent statistics, the case fatality rate of the current outbreak is 2.0% (facility CFR=0.8%) with a weekly incidence rate of 7/100,000^{population}, down from 14/100,000 the previous week.

Wednesday, January 31st

Message #southernafricaechonet

About #southernafricaechonet

- Channel Details
- Highlights
- Pinned Items
- 26 Members
- Bruce Struminger (you)
- Promesse KANIKI_AfricaCDC
- AfricaCDC_ECHONet
- Ann
- Chimwemwe Waya
- Cynthia Semá Baltazar
- Dorothy
- Ezinne Onwuekwe
- FORTUNATE
- HaftomT
- Jutta Lehmer
- Kalubulap
- Kennedy Baboloki Kwati
- Letsie
- LG
- Linda

WhatsApp as an adjunct to the Africa CDC ECHO:

The screenshot displays a WhatsApp interface. On the left is a list of contacts, and on the right is an active chat window.

Contact List (Left):

- TB Clinical Forum** (Thursday): +254 719 676953: Thanks. I could not foll...
- ASLM LabCoP Platform** (Yesterday): +265 888 87 46 19 left
- Jamie Cowan** (Wednesday): ✓👍🎉 thanks for the great presentatio...
- Michelle McConnell** (Wednesday): ✓📷 Photo
- Anand Arkalgud** (Tuesday): Sure
- +254 722 626361** (Tuesday): Hi Bruce
- +91 99999 71557** (Tuesday): Where are you

Active Chat (Right): Southern ECHO 563545 4341
Dorothy, Mazyanga, +244 923 404 517, +258 82 423 2790, +258 82 682 5...

Message 1 (Mazyanga Mazaba):
Morning colleagues. Please provide an update on where you are at with Ebola preparedness
9:49 AM

Message 2 (Dorothy Njagi):
Preparedness plans?
Trained RRT?
Surveillance?
Cross boarder initiatives?
9:50 AM

Date Separator: 9/19/2018

Message 3 (Dorothy Njagi):
Good morning Southern ECHO, we have the ad hoc session this afternoon at 14hrs to share on updates within the region. Zimbabwe is prepared to give updates on cholera outbreak.
11:48 AM

Message 4 (Mazyanga Mazaba):
Preparedness plans? Trained RRT? Surveillance? Cross boarder initiatives?
I trust we can all get to answer these questions then.
11:49 AM

Input Field: Type a message



USAID
FROM THE AMERICAN PEOPLE



COVID-19 ONE HEALTH UPDATES

SESSION TOPIC: PERSPECTIVES ON GENDER & PSYCHOSOCIAL ASPECTS IN OUTBREAKS

MAY 7, 2020

AGENDA

WELCOME

- UC Davis: Jonna Mazet
- AFROHUN Secretariat: William Bazeyo

GLOBAL UPDATES

- UC Davis: Brian Bird

PANEL DISCUSSION

- Sabra Klein *Professor, Bloomberg School of Public Health, Johns Hopkins University*
- Brigitte Bagnol *Senior Lecturer, Dept. of Anthropology, University of the Witwatersrand*
- Florence Mirembe *Senior Lecturer, School of Women & Gender Studies, Makerere University*
- Georgette Ngweme *School of Public Health, University of Kinshasa*

PANEL MODERATOR

- UC Berkeley: Ndola Prata

CLOSING

- UC Davis: Jonna Mazet
- AFROHUN Secretariat: William Bazeyo

FACILITATOR

- ECHO: Bruce Struminger
- UC Davis: Woutrina Smith

**French translation of the session also available*

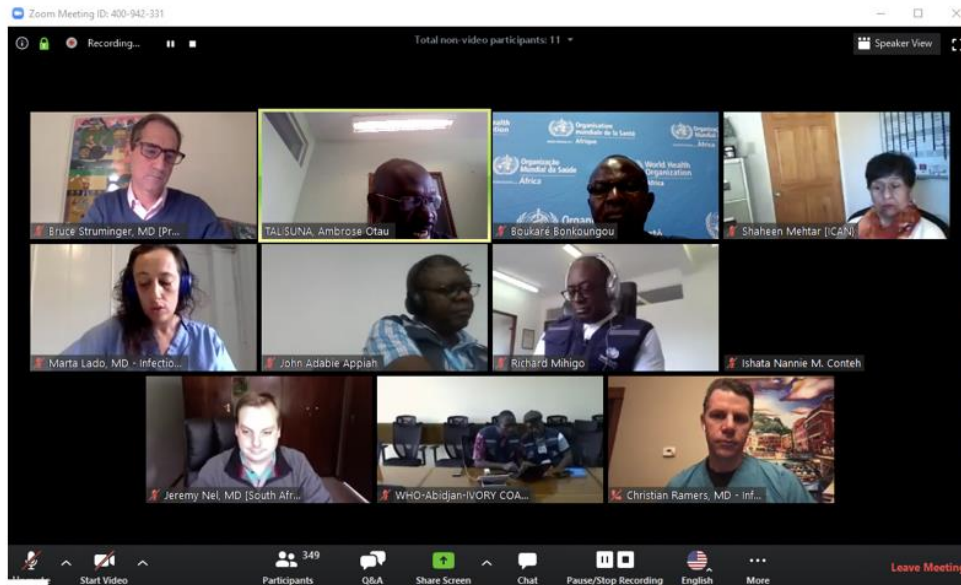


UPCOMING SESSIONS

- **May 6/7:** Perspectives on gender & psychosocial factors in outbreaks
- **May 20/21:** Diagnostic testing approaches for COVID-19
- **June 3/4:** Immunity issues & interventions for COVID-19
- **June 17/18:** One Health approaches addressing COVID-19 origins and spillover

**Participant Summary – WHO AFRO Virtual Training
on COVID-19 Case Management in Africa
Friday, April 10, 2020
13.00 am – 15.45 am Brazzaville, WAT
With French and Portuguese Translation**

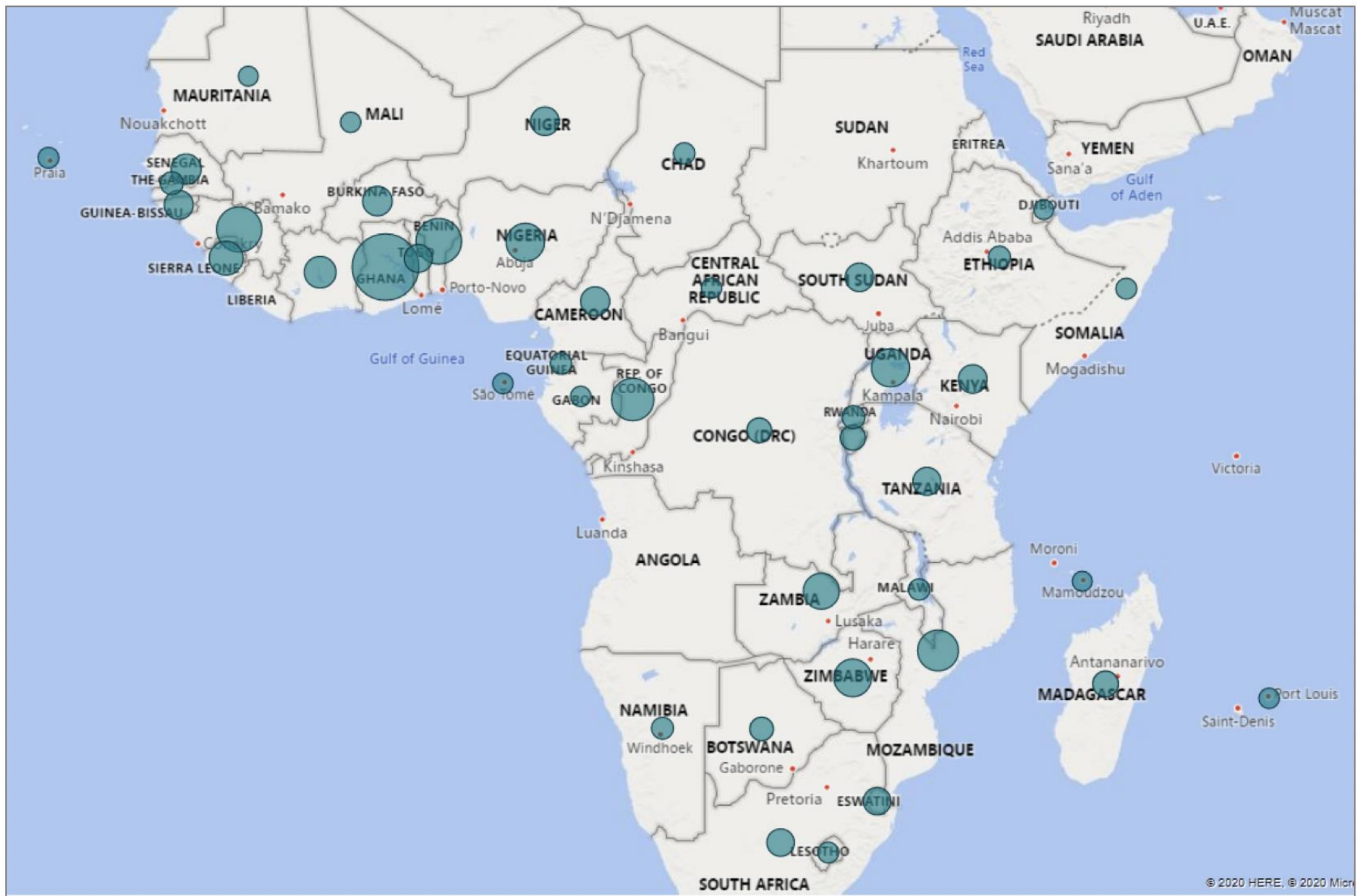
**~1120 unique participants
172 unique locations (towns/cities)
58 countries**



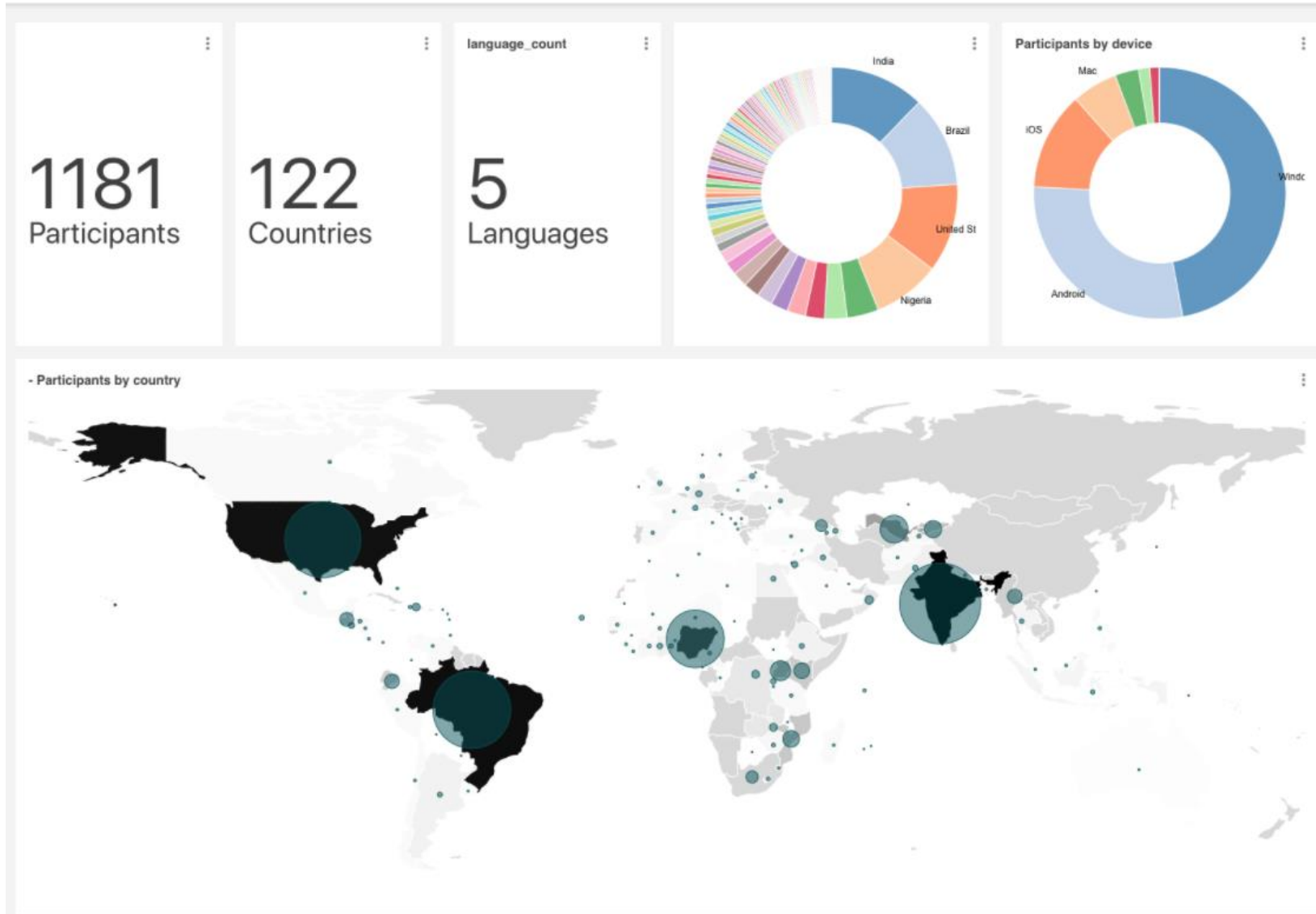
**Participant Summary –
WHO/AFRO Update and Guidances to
Country Teams on COVID-19
4/24/20**

Total Participants: 892 Countries: 60





CDC/WHO Covid-19 Infection Prevention and Control Series May 14:

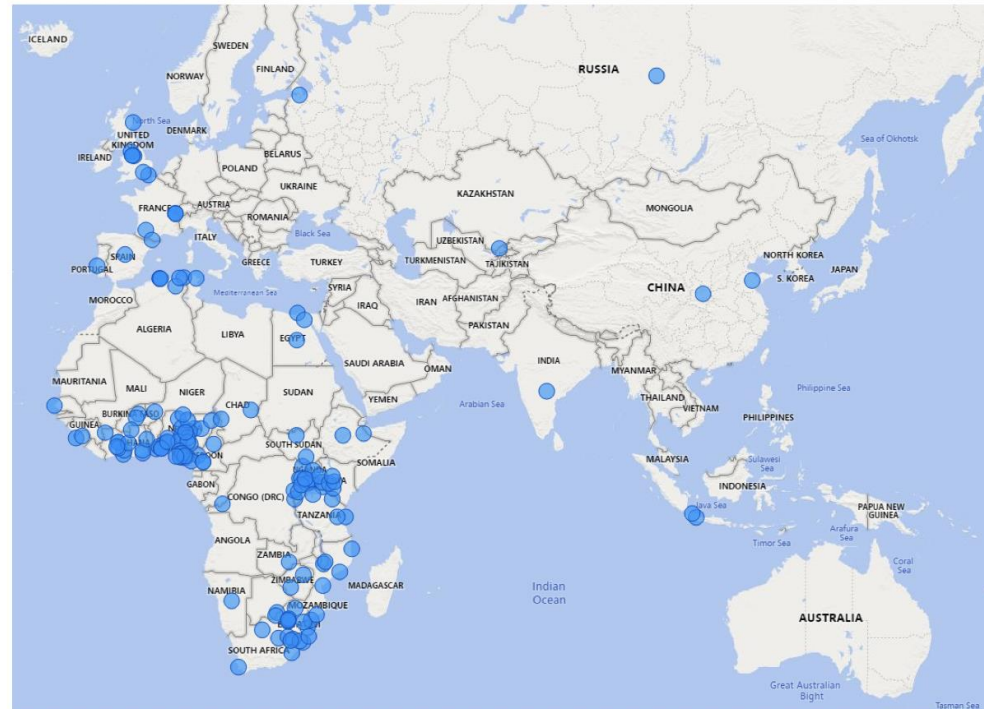




Hosted by the CDC Mycotic Diseases Branch

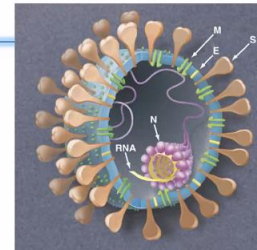
Participant Summary – Advanced HIV Disease in the context of the COVID-19 pandemic in Africa
4/22/20

Total Participants: 446 (without panelists) Countries: 46



Assure the knowledge of clinic staff at Lighthouse

❖ Short training curriculum for weekly ECHO zoom on COVID-19 related topics for staff (including staff from different implementing CDC partners (LH, EGPAF, Jhpeigo, others))



- ❖ 30/4/20 Session 1 Basic epidemiology and virology: 104 participants
- ❖ 7/5/20 Session 2 Infection prevention in COVID-19: 64 participants
- ❖ 14/5/20 Session 3 Triage, diagnosis and isolation of COVID-19: 63 participants
- ❖ 21/5/20 Session 4 Management of COVID-19 patients: 44 participants
- ❖ 28/5/20 Session 5 HIV and TB care in times of COVID-19: 64 participants
- ❖ 4/6/20 Session 6 Psychological aspects and social media in COVID-19: 63 participants





Moving Knowledge Instead of Patients & Healthcare Workers