

COVID-19 Response Coordination Call

Digital Technology Pt. 2

April 3, 2020



Context

A multi-disciplinary approach with cross-functional collaboration including Innovation + ICT4D + Communications for Development + Communication + Programme Health

Close coordination through a Digital Platforms Working Group.

Today sharing these solutions at scale:

- 1. COVID-19 Information Chatbot
- 2. Internet of Good Things (IOGT) for COVID-19 Response

COVID-19 Information Chatbot

Validated content, crafted for digital messaging and in plain and accessible language for ordinary community members, translated and continually refined and expanded and localized content relevant to that country context.

Uses **multiple channels** as appropriate for the country context, including SMS and digital and social messaging channels such as Viber, Facebook Messenger.

A user sends a message to opt in and can ask the chatbot questions about COVID-19; provide suggestions for content; and report rumors. The COVID-19 bot strengthens the ability to:

- assess needs
- tackle misinformation, and in partnership with governments;
- share reliable information on where communities can seek assistance.

Now working on implementation beyond the 68 countries that had U-Report platform in place; assess and measure secondary impact of COVID-19 and build a dashboard to ensure data is going to the right stakeholders and decision makers in a timely manner to support broader response efforts.

----MAIN MENU----

What would you like to learn?

- A. What is Coronavirus, symptoms and how it spreads?
- B. Protect yourself and others 👍



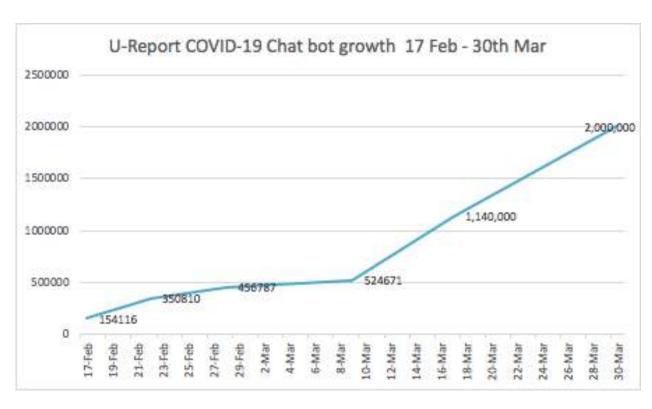
- C. Myths and Fake news 👎
- D. Report a rumor spreading in your community
- E. Other questions ?
- F. Share the information 👉 👉
- G. Sharing "facts not fear" and preventing stigma

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COVID-19 Information Chatbot reach

Launched Feb 13 – Scale from 150,000 to 2 million users in three weeks



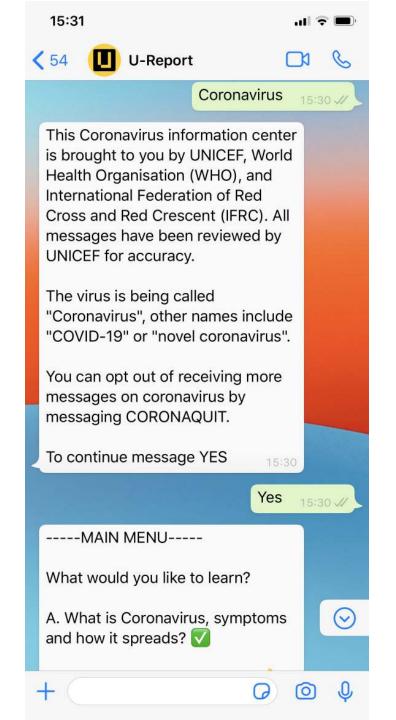


To develop the chatbot, we leveraged U-Report, a digital platform and UNICEF's flagship social messaging innovation used to reach and engage young people and their community. Currently being used by more than 10 million people in 65 countries

Try it yourself!

Using Viber, WhatsApp or Facebook Messenger you can access the current version of the U-Report COVID-19 chatbot.

- WhatsApp: Send "CoronaVirus" to +66 80 024 9442.
- □ Facebook Messenger: Send 'CoronaVirus' using Facebook Messenger at http://m.me/UReportGlobal
- ☐ Viber: Follow 'U-Report' Public Account on Viber (Go to Discover), Send the message 'CoronaVirus'





Mobile Solutions for COVID-19 Response





Goal

What is the goal?

Quickly communicate actionable COVID-19 response information (including prevention, diagnosis, treatment) at scale.

What are we trying to achieve?

What are the constraints?

- Rapid implementation
- Low/no literacy and language diversity
- Poor digital literacy
- Cost-effective at scale
- Rapidly adaptable
- Combating misinformation
- Social distancing

Where do we work?

Viamo currently has programs and staff in the following countries. Countries with an (*) have a live 3-2-1 Service.

- Afghanistan*
- Bangladesh
- Botswana*
- Burkina Faso*
- Cambodia*
- Dem. Rep. Congo*
- Ethiopia
- Ghana*
- India
- Indonesia**
- Haiti
- Kenya
- Madagascar*

- Malawi*
- Mali*
- Mozambique*
- Nepal*
- Nigeria*
- Niger*
- Pakistan*
- Rwanda*
- Senegal
- Sierra Leone
- Tanzania*
- Uganda*
- Zambia*
- Zimbabwe

^{**}Expected launch April 2020











Who do we work with?

Viamo's Approach to COVID-19



Module 1

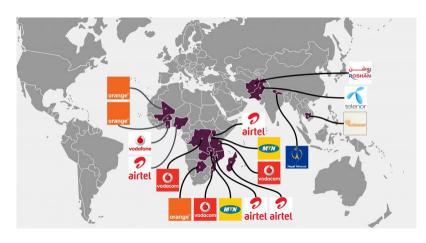
The 3-2-1 Service

Product:

- On demand livelihood information
- Dial "3-2-1" from simple phone, access oral content
 - Health
 - Agriculture
 - Civic engagement
 - Financial services
 - o COVID19
- Free airtime
- Listen to live COVID-19 messages from Uganda's "1-6-1 Service" by calling the demo line: 1-650-866-1481
- More Info Here

Where is it?

3-2-1 is accessible to >120 million people.



East and Southern Africa	West and Central Africa	Asia
 Botswana Madagascar Malawi Mozambique Rwanda Tanzania Uganda Zambia 	Burkina FasoDRCGhanaMaliNigeria	AfghanistanCambodiaNepalPakistan

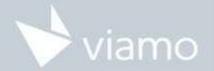
COVID-19

Existing/Planned Basic Content

- What is Coronavirus?
- Hygiene
- Social distancing

Areas For Collaboration

- Self-diagnostic quiz
 - Symptom-specific behavior change
 - Symptom cluster mapping
- Combating misinformation
- Reliable situation updates
- Games
- KAP questions



Module 2

Remote Training

Product

Modules delivered by voice, SMS, or chatbot to the "flip phones" that people already have and use.

Delivered:

- On a schedule
- As requested by CHW
- As a content library

More Info Here

Why?

- Rapid implementation
- Low cost per trained worker
- Integrated impact measurement with real time dashboard

COVID-19

Training of:

- CHW's
- Frontline workers
- Community leaders





Module 3

Surveys

Product

Interactive Voice Response (IVR) and SMS based mobile phone surveys.

More Info Here



Why?

- Rapid implementation
- Low cost per response
- Accessible to no/low literacy
- No requirement to put field staff in danger

COVID-19

Healthcare Access Monitoring

Monitor a country's access to healthcare, either from the perspective of the general population, or health workers.

Knowledge Surveys

Get insights into a general populations understanding of hygiene and social distancing.



Other Tools

SMS-Based Contact Tracing

SMS system to "flatten the curve" at scale when detailed investigations are not possible.

Chatbots

Available on Whatsapp, Facebook, SMS, and more.

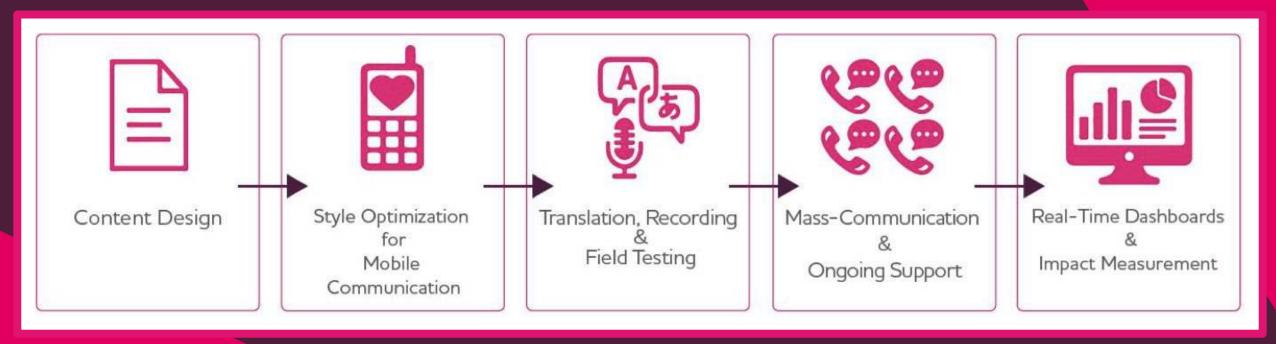
Call Center/Hotline

Dedicated COVID19 hotlines with an IVR layer to reduce load on existing centers.

Targeted Mass Messaging

Mass SMS & voice communications.

Implementation Process





Get in Touch!

Stephen Meyer stephen.meyer@viamo.io



SIERRA LEONE'S EXPERIENCE WITH EBOLA AND RESPONDING TO COVID- 19 USING DIGITAL TECHNOLOGY





EBOLA-WHAT DID WE DO?

- <u>Initially</u>, very reliant on traditional means of communication to ensure safety measures (hand-washing, burials, social distancing)
 - ☐ FM Radio (Discussion Programmes, Jingles, Phone-ins etc.)
 - ☐ Hand Bills
 - ☐ Bill Boards
 - ☐ Small Community Sensitization Meetings
 - Public Address Systems (megaphones, public audio speakers etc.)



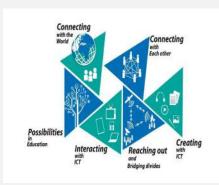
WHAT DID ICT DO TO IMPROVE?

- After the traditional media failed to adequately contain the virus because of youth population) ICT was used through:
 - WhatsApp (short videos, messaging, gifs etc.)
 - ☐ Facebook
 - Mass Text Messaging
 - □IVR messaging to conduct trainings and more sensitizations



CHALLENGES DURING EBOLA

- Mistrust: Communities' lack of trust in health facilities, hence more people died from non-Ebola related conditions (Fear of infection by health workers)
- Misinformation: Disinformation and Misinformation (for political reasons, penchant to share on WhatsApp without crosschecking,
- Questionable data ownership. To date we don't have control over some EVD data, such as burial data
- Late involvement of some critical players (ICT, use of community structures etc.)



WHAT HAVE WE DONE DIFFERENTLY WITH COVID-19?

- Implemented a DHIS2 module, for Contact Tracing, Case Management, Point of Entry
- □ **Disease Surveillance:** improve on the rapid collection of data using SMS
- Website: WhatsApp plug-in allows to automatically communicate with the public
- □ Govt Info Management System (GIMS) National Hotline (117) to respond to emergencies; redirects to calls to districts (DHMTs) and Government Ministries (MDA), as required

NEXT STEPS

- Proactive Messaging: Beat Citizen journalists in disseminating Information in Realtime to dispel disinformation to build community trust
- Data ownership: All major data collection platforms must interoperate with national systems
- Community Structures: Use existing community systems such as CHW apps, local bylaws etc.
- Partnership and Coordination: Act early and act together (Governments, UN agencies and aid groups need to coordinate a truly global response that will protect all people.
- ICT Innovation: Use ICT innovation to improve health information systems to suits the context (epidemic or pandemic)

Leap Mobile Learning Platform for COVID-19 Response Presentation to Core Group

Caroline S. Mbindyo AMREF ENTERPRISES April 03, 2020





Leap Mobile Learning Platform





Virtual Learning on any device

On-demand access to essential information, tools and services



Evaluation through Quizzes and Assessments

Gamefication and instant performance feedback; measure and adapt quickly



Direct access to learners, support, and supervision

Collaboration tools for knowledge sharing & support; build capacity of supervisors with richer content and supervision tools





Collaboration over Group Chat

Promote peer-to-peer collaboration and mobilise communities



Collect Digital Training Records

Connect health workers to the formal health system and capture digital records of their training and career development







1/4 Hello dear learner and welcome to the Community Health Volunteer training. The first topic you will learn about is Covid-19. 2/4 During the week you will receive SMS messages and listen to recorded phone stories and lectures all related to Covid-19

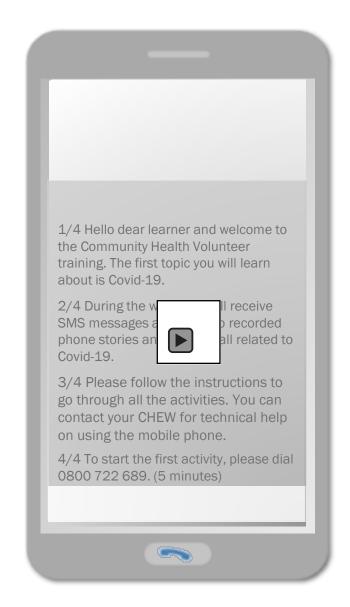


1/4 Hello dear learner and welcome to the Community Health Volunteer training. The first topic you will learn about is Covid-19.

2/4 During the week you will receive SMS messages and listen to recorded phone stories and lectures all related to Covid-19

3/4 Please follow the instructions to go through all the activities. You can contact your CHEW for technical help on using the mobile phone.





Group Chat



I want 2thank AMREFF 4coming up with mlearning, which has made my cu to fully participate in everypart in the community & we ve made a schedule every chy has a topic to teach cliants who have come 4services at de facility, God bless AMREFF & KANCO-Joshua Kulova - Bungoma

You now have enough knowledge to empower your community members after mlearning. We are the eyes of the HF please report any disease outbreak to your HP for quick response. Save a life and God will bless you~Roseline Mukhwana Bungoma

OK unachukua lita tano au tatu ,unatoboa tundu kwa kifuniko chake ili uingiza kamba na hio kamba iwe mrefu chini yake ufunge kijiti.....badala ya tundu ya kutoa maji kua chini uieke juu then juu umehang hicho kibuyu kwenye mti mtu akitaka kuosha mkono anakanyaga kile kijiti na maji yanamwagika bila kushika popote to reduce infection~Owour Christine-Nairobi

Good evening good people..... this is where the creteria the topic of hand washing comes in.... let's go out and teach our HH members. Our loving father won't disappoint us.~Eric Odongo-Siaya

am ready to serve my community. I support handwashing in markets, hospitals and churches, As a CHW I will work hard through my households for a safe Community~Evelyne-Bungoma

Amref/MOH Chvs learn the medical challenges from other counties on Corona virus some vulnerable households do not have the information prevention ways for lack of radios/Tvs/phones Mlearning is making us the do our role as Chvs is to pass the measures to them as per the WHO information~Marion -Nairobi

Thanks Amref Team and WHO in partnership with Kakamega County for the TB screening/ free chest Xray you conducted over the weekend at Sigalagala boundary of Ikolomani and Shinyalu Subcounties~Winfred Luyeku-Kakamega



Good evening good people..... this is where the creteria the topic of hand washing comes in.... let's go out and teach our HH members. Our loving father won't disappoint us.~Eric Odongo-Siaya

CHWs in the Frontlines







Contact Us

Pay us a visit, talk to us, send us feedback as we advance the health improvement agenda through empowering communities







"Implementation of the Personal Health Record (PHR) as a tool for integration of migrants in health systems"

http://re-health.eea.iom.int/





WAY TO THE e-PHR

Request by DG SANTE to IOM to:

Develop a resource for Health Professionals to perform HAs for new migrants in the EU/EEA, initially with a Handbook for Health Professionals.

Further to it a unified instrument and personal health record for health assessment for those arriving to the EU/EEA

The Product:

- IOM- EC –DG SANTE (DGA) Re-Health (2016- 2017) and ECDC
- Initially Handbook, then e-PHR and electronic resource
- e-PHR is user-friendly, secure patient record management platform
- Interfaceable with domestic and international systems
- Handbook available in 9 EU languages and Arabic





WHAT THE E-PHR CAN DO?



It's a fully electronic patient record solution

- Secure in external use
- Permission tree: registration, medical forms, backend
- HCWs can access/ edit patient records across countries
- Data extraction with special permission csv/ pdf
- Pre-formatted user interface for charts/ tables
- Communicates via xml outputs or other modalities to other systems
- Voted Sustainable Development Goals (SDGs) best practice at global level.

User friendly interface – built in

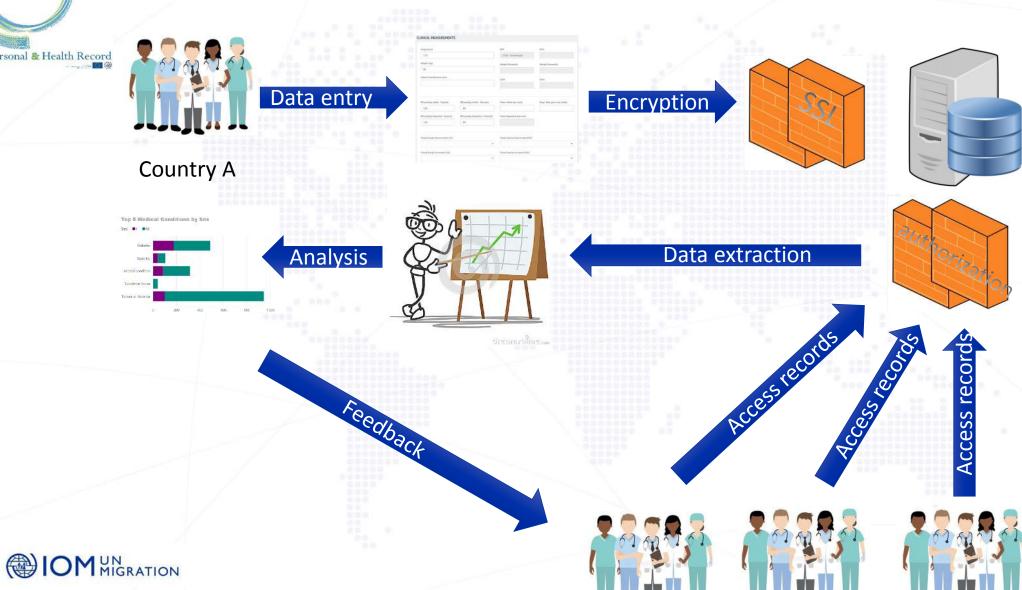
- validation checks/ mandatory fields
- auto-calculations
- drop down lists/ standardized selection/ ICD-10 codes
- additional features such as uploading documents in multiple formats (x-rays etc.)





ARCHITECTURE





Country B

Country C

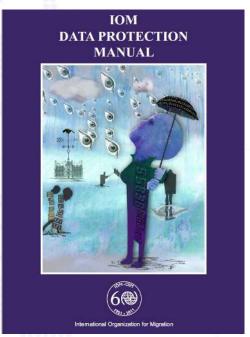
Country D



"[...] contribute[s] to the EU Migration Agenda, the New Skills Agenda for Europe, and the Action Plan on the Integration of Third Country Nationals. It [...] also contribute[s] to the EU Digital Agenda, by consolidating the use of the PHR and the electronic version (e-PHR) as a single tool for refugees' and migrants' health assessments in EU countries."







Built in informed consent and data sharing form and in line with EU Data Protection (GDPR)





CONSOLIDATION OF e-PHR USAGE



Bulgaria

Open center Ovcha KupelNational HP and mediators.



Croatia

Reception centre for Asylum seekers in Zagreb; Dormitory in Karlovac; Dormitory in Rijeka; Dormitory in Ivanec, UNM in Rijeka.

National HPs and IOM Mediators.



Cyprus

Pournara and Limassol Shelters -Kofinou Reception Center National HPs and Mediators.



Greece

Amaygdaleza pre-removal centre; Eleonas open camp; Chios and Samos Islands (Accommodation Refugee Shelters); Open Polyclinic MDM Greece (Pireos 33, Omonoia); Psychosocial Department (MDM Greece, Sapfous 12, Omonoia); 4 Accommodation Shelters in Metaxourgeio

IOM Mediators and 6 National Mediators, National HPs



Italy

E-PHR under other action ATES: "Technical Assistance and support to the local health authorities of Sicily".



Serbia

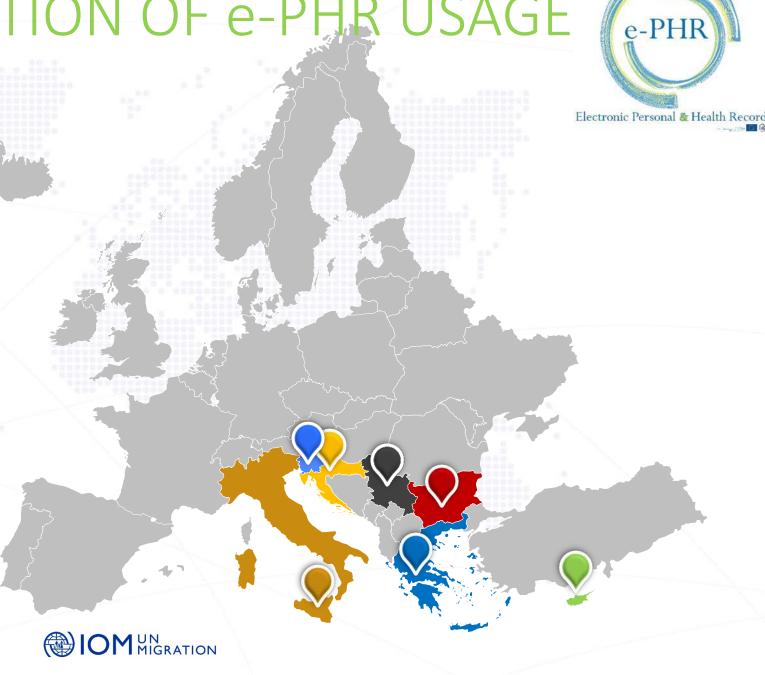
National Reception System in collaboration with Catholic Relief Services (CRS) and Danish Refugees Committee (DRC).

National HPs and IOM Mediator.



Slovenia

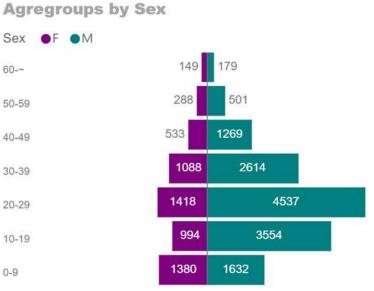
Asylum Center in Ljubljana – Kotnikova; Asylum Center Ljubljana – Vič National HPs and Mediators.

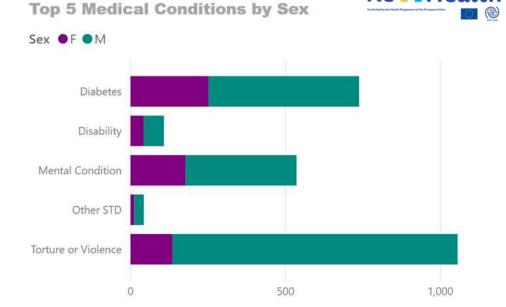




RELOCATION



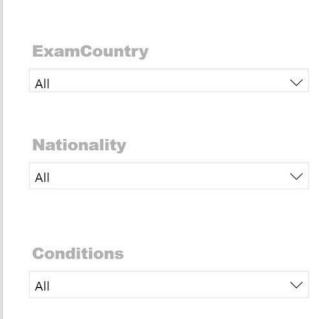


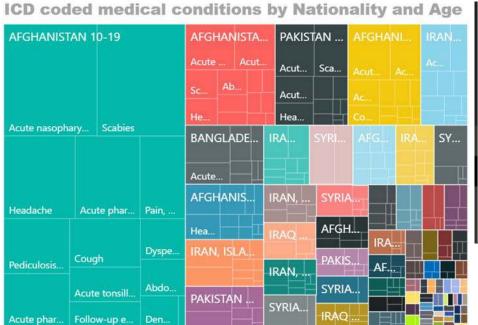


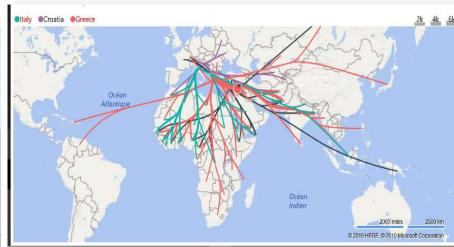
Re 1 Health

Year 2016 2017 2018 2019

REHEALTH









Thank you!

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A journey of a thousand miles begins with a single step

Lǎozǐ

IOM- Regional Office Migration Health www.re-health.eea.iom.int; ROBrusselsMHUnit@iom.int





AN INTRODUCTION TO BOOST

Presented by:
Liz Kohlway
Manager, Community Building & Digital Engagement
Sabin Vaccine Institute

April 3, 2020



Burnout and Fatigue

Sustaining engagement and interest in career advancement, in the face of complex systems.

Immunization professionals experience burnout, which leads to high turnover.



Isolation

Independent work settings, isolated from peers and mentors that could provide support.

Sub-national EPI focal points report not having channels to communicate with peers working in other locations.



Developed in close, ongoing collaboration with immunization partners, experts and professionals, Boost provides online and offline opportunities for immunization professionals to connect, learn and lead.



Complex Environments

Professionals are met with ambitious targets and little to no support or resources to achieve them.

In many countries, decisions made at the highest level are political, not technical, making advocacy for immunization resources more difficult.



MISSION

To foster a global community that enables immunization professionals to **connect** with peers and experts, **learn** skills that build capacity and advance careers and **lead** immunization programs in challenging contexts.

VISION

A world in which every immunization professional is empowered to grow and lead in their careers and accelerate change in their communities.

ACCOMPLISHING OUR MISSION

We've built an online platform, https://boostcommunity.org that connects immunization professionals to peers, supports and resources to learn and grow and equips professionals to lead in challenging situations.



Connect

Boost is an on and offline community where immunization professionals can connect with peers and stakeholders and expand their professional network.



Learn

Boost provides access to experts and resources to help immunization professionals learn skills to build capacity and advance their careers.



Lead

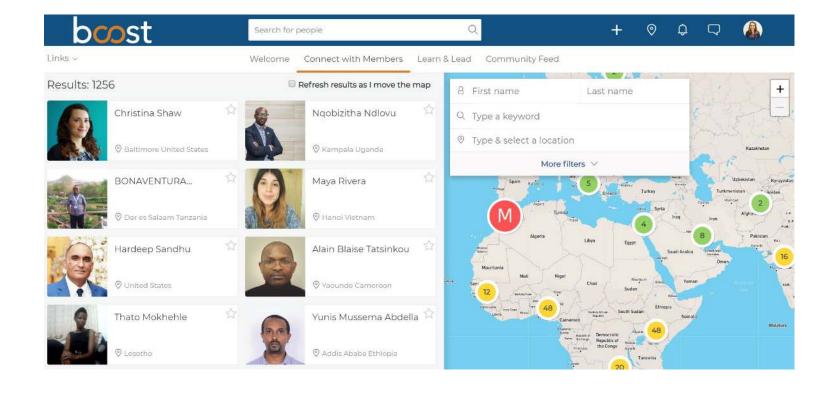
Boost is designed to help immunization professionals lead immunization programs in challenging contexts.

CONNECT

with fellow immunization peers and experts.

Members

Browse our extensive list of Boost member profiles to connect with knowledgeable peers and experts. Narrow your search by filtering Boost members by region, job type and focus area to find those most valuable to you.



LEARN & LEAD

Access experts and resources to learn skills to build capacity and lead immunization programs with confidence.

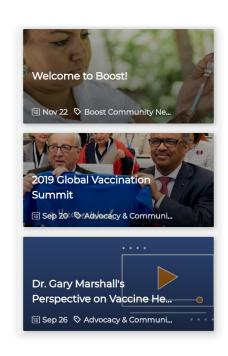
Learning Groups

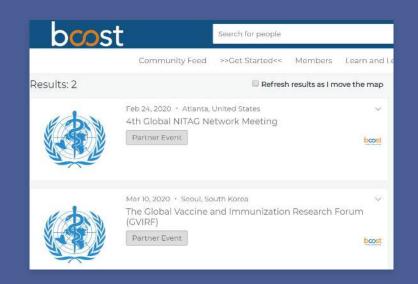
Boost Learning Groups provide learning opportunities on a variety of topics, such as Adaptive Leadership. Join an existing group or create your own to connect and learn from like-minded immunization professionals and experts.



Curated Resources

Browse Boost
Curated
Resources to find
webinars, news
and videos on
relevant
immunization
topics.





Live Events

Visit the Live Events page to find face-to-face convenings of immunization professionals in specific regions. Boost Members can also post their own events and invite others to join.

BOOST COMMUNITY METRICS

415 Activated Profiles 85 Countries Represented Represented

Immunization
Professionals working
at the National & SubNational Level

PARTNER WITH BOOST

Boost considers and welcomes the entire immunization community as partners.

Join Us

Share information and resources to support Boost members' learning while gleaning valuable insights directly from the field.



Content and Community

Bring your existing immunization communities onto Boost and tap into an even larger, growing network of immunization professionals, experts and resources.



Share Your Resources

Share your expertise with the next generation of immunization professionals on Boost. Deliver webinars, share resources and lead group discussions to support the global immunization community.



THANKYOU



Discussion



Thank you!

Please see our website for more information:

CORE GROUP COVID-19 Response Coordination Calls and Resources

