

Malawi Public Health Emergency and Preparedness Workshop



3 – 6 September 2018, Sunbird Capital Hotel, Lilongwe, Malawi

















Malawi Public Health Emergency and Preparedness Workshop

Prepared for: Dr L Boukerrou

Regional Director, USAID WA WASH
Co-Director, IWG, Institute for Water and Environment, FIU

Prepared by: Dr M Claassen, Ms K Nortje & Wouter le Roux CSIR, PO Box 395, Pretoria, 0001

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Introduction

Over four days, workshop participants collaboratively identified opportunities to improve interagency cooperation, enhance the institutional framework, and strengthen capacity for public health emergency prevention and response in Malawi. The event included discussion on broad technical topics in water, sanitation and hygiene, preventive medicine, and societal issues. A one-day emergency response table top exercise allowed participants to work through a possible scenario and discover strengths and weaknesses of current plans. Findings and recommendations from the table top exercise focused on enhancing cooperation between civilian and military organizations in Malawi.

The first day of the event was kicked off by government officials who emphasized the critical nature of effective preparedness and response to public health emergencies. The panel of experts discussed the existing mechanisms that the Government of Malawi employs to address public health emergency preparedness and response. In the afternoon of the first day participants addressed enhancements to the existing public health emergency response framework in Malawi giving particular thought to civilian-military cooperation.

The second day of the event was focused on national and supra-national information, resources, systems and processes that can be harnessed to strengthen public health emergency prevention and response. The third day of the event consisted entirely of a table top exercise, with the final session of the third day consisting of a debriefing on the exercise.

The fourth and final day of the event included a tour of the Lilongwe Water Board facility in the morning, with participants validating findings and recommendations from the table top exercise in the afternoon. The fourth day concluded with the closing ceremony.

















DAY 1 - Monday 3 September, 2018

08:00 - 08:30

Registration and Welcome

Expectations from participants expressed during introductions

- Money for processes like preparing a contingency plan
- Learn how to develop indicators for planning
- To learn how we can connect with different agencies in an emergencies
- Table-top exercise how it will enhance capacity in Malawi
- National preparedness plan how to
- Connect with different agencies
- Evaluate ourselves with regards to we have plan but add interagency plan aspect to it.
- Really understand the roles of the different agencies
- How we can strengthen relationships between partners and agencies also link into military
- Partnership and co-ordination of activities during emergencies
- Increase the involvement of Malawian military and emergency services
- Co-ordination (enhance) with civilian agencies from military
- Realistic support for MDF challenges
- "Fire goes where the brush is" identify where the fire is and make the brush fireproof find a way to minimize issues
- Juicy stories!
- Different stakeholders work as a collective
- Working together to combat issues of disaster management
- Working towards supporting large scale preparedness for emergencies link military into these plans.
- Refining the role of the military services during emergencies
- Preparedness activities prepare, communicate, realistic solutions
- Help guide CDC in terms of needs and shape support
- Representing AFRICOM interested in supporting partner countries specifically countries who want to help also neighbouring countries
- Lessons learn here take it into future engagements to share with other partner nations
- See improvement collaboration between different disciplines and sectors and to deal more effectively with health emergency scenarios
- Knowledge and skills and work together with the military
- Enhance planning for emergencies specifically with regards to water supply
- Learn lesson ito preparedness
- Looking at the various players to come up to beset address emergencies specifically with regards to water
- Better understanding of partners in Malawi and how they can better work together
- To learn more about Malawi context re preparedness, and also water's place in these emergencies
- Areas of realistic improvements
- Concrete actions where do you go from here further cooperation etc
- Combined responses how do we come up with these
- Learning about the coordination frameworks in place and new collaborations we need to form
- Understand what are the gaps where CDC can support to detect and support Government of Malawi
- Identify weaknesses and strengthen these
- Identify our partners in the fight when we fail we fail together as a population thus need to strengthen our collaboration
- To see how the water sector in Malawi can reposition itself ito emergencies

• Water Board – co-host – see at the end how the networks and collaborations between the water board and present institutions can move forward.

	Opening Plenary		
08:30 - 10:00	Government Perspective on Public Health Emergency Preparedness and Opportunities for Enhancements Through Civilian-Military Cooperation - Remarks	Lilongwe Water BoardCDC/ US EmbassyMalawi Defence ForceMinistry of Health	
10:00 - 10:30	Coffee break and workshop participants photo		

Presentation on Malawi Emergency Preparedness

Mr. Allone Ganizani, Environmental Health, Malawi

PUBLIC HEALTH EMERGENCIES PREPAREDNESS PLAN

PRESENTATION AT MALAWI PUBLIC HEALTH EMERGENCIES AND PREPAREDNESS WORKSHOP,

LILONGWE

MALLAWI

3 TO 6 SEPTEMBER, 2018

PRESENTATION OUTLINE

- B/ground to Malawi's experience to emergency preparedness and response
- · Response systems to emergencies
- · Recent public health emergencies in Malawi
- Factors considered in preparedness planning process
- The 2017/18 H/Cluster Contingency Plan
- challenges

B/ Ground to Malawi's Emergency Preparedness and Response

- The 1973 cholera outbreak takes probably a lion's share of not only Ministry of Health but the entire Malawi Government genesis of emergency preparedness and response planning and budgeting.
- Some form of preparedness and response planning has been about management of disease outbreaks, as stated, cholera has been dominant issue since the first outbreak in 1973,

Cont.

- Much as some of the public health emergencies have been impacts of natural disasters like floods and earth quakes, preparedness and response had predominantly and conspicuously been for the health sector to address health problems...
- Perhaps it was after national emergencies such as the Phalombe Floods disaster in the early 1990s that the nation saw establishment and operations of the Department of Disasters at the national level

Cont.

 Meanwhile, as financial allocation (to support preparedness and response to public health emergencies/ disease outbreaks management) to the EH section at national level seemed to dwindle and fade away ..., district health offices(DHO) got strengthened with the introduction of integrated disease surveillance and response(IDSR) strategy in the country in the early 2000

Response Systems to Emergencies

- Government established the Department of Disaster Management Affairs (DoDMA) at the national level
- Coordination structures called "clusters" established as well at the national level, replicating such at district level is being strengthened for various sectors concerned.
- Recruitment and deployment of disaster management officers starting with disaster prone districts, done
- Facilitating formation and capacity building of civil protection committees (CPCs) at both district and community levels-....

SYSTEMS IN THE HEALTH SECTOR

- The IDSR Strategy, introduced in 2003, captured disease outbreak management structures called epidemic management committees (EMCs) and technical committees called rapid response teams (RRTs) at the national, district and community levels
- Emergency preparedness plans have since been produced through these structures; activities in the plans have had a bias towards disease outbreaks control

Recent Public Health Emergencies in Malawi

- There has been dominance by natural disasters with related health impacts; questions on climate change issues for this trend
- The trend has also seen widening range of preparedness and response plan activities from disease outbreak management bias to broader health services provision such as RH, FP, continued treatment of clients of chronic conditions among others

Cont.

- Recent and frequent disasters in Malawi include the following:
- Strong winds
- Floods e.g. the 2015 floods
- Major accidents (road traffic accidents)
- Earthquakes
- Disease outbreaks and threats such as cholera and Ebola Virus Disease (EVD) respectively
- droughts

FACTORS CONSIDERED IN PREPAREDNESS PLANNING PROCESS

This is probably the most challenging task for the Health Cluster

For quite some number of years, the practice in coming up with preparedness plans has taken some of the following factors:

- Trends of diseases prone to epidemics
- Known/established attack rates of some diseases
- Health impacts of identified hazards likely to occur in a given disaster prone season

cont

- Number of people likely to be affected by the identified hazards
- Groups of people and health services required when disasters have separated such people (internally displaced) from areas where health services are provided

THE 2017/18 H/CLUSTER CONTINGENCY PLAN

 This plan will be referred to because the 2018/19 contingency plan is not yet prepared

CHALLENGES

Quite a range of challenges are encountered in the course of preparing the plans and more conspicuously during implementation; some of them are as follows:

- · Limited finances and related resources
- Tendency by some partners of supporting response and recovery activities than preparedness activities
- Weak coordination especially during response to disasters and health impacts

Cont.

- Delays to release resources in order to timely respond to disasters and concomitant health impacts
- Limited flexibility, if any, by many partners, to redirect resources to disaster response activities in their impact districts and areas

thanks/merci/zikomo/yewo

Strengths of our current situation

- Cluster systems and communication sector plans
- Peaceful situation in the country (stability)
- Communication technology
- National leadership
- Ministerial/government buy-in and ownership
- Wide spectrum of partners
- Experience dealing with cholera
- Leadership at multiple levels including local leadership and action
 - o Role that surveillance at multiple levels play in terms of strengthening the response
- Experts
- Openness and willingness
- Progressive policy may have taken time, but there has been an effort to get to those policies.

Challenges of our current situation

- Emergency response bureaucracy to mobilize resources
- Dissemination of information to all levels
- Warning system
- Availability of resources specifically for preparedness (resources immediately available)
- Good plans but actioning them is a problem
 - o To be ready for the inevitable we keep resources for "actual" disasters
- Concrete solutions
- Cholera response maybe great but beyond cholera preparedness?
- Operational issues such as transport for example access and logistics
- Partner interests sometimes only in terms of response

11:45 - 12:00

Key points for constructive engagement

Ms. Karen Nortje, CSIR, South Africa













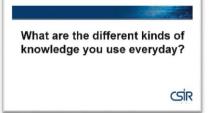


































Session 1	Effectiveness of Existing Public Health Preparedness Frameworks		
13:00 - 13:30	Presentation on existing framework, operation and opportunities for civilian-military cooperation in Malawi, Malawi Defense Force representative.	Invited speaker	





You have a clear choice, either to learn Crisis Management Skills, or to be Managed by the Crisis.....

Jerry Adams

Awareness and commitment, unfortunately, usually come after a disaster strikes!



INIKUDUCIUN

JWhilst the world has many wars taking place and causing unbearabl uman suffering, natural disasters and other man made disasters ar iso taking their toil

I Health Emergencies will always occur any where in the world an an not spare the peaceful country of Malawi

l On 14th of Jan 2015, the MDF responded to the declaration of Stat f National Disasters by deploying air, watercraft and land assets a rell as personnel



MDF MANDATE

I indeed, disasters can be an issue of the broad sy agenda - Primary role elending the country and its territorial integrity & Secondary role: to support the civil authorities

The MDF participates in management of disasters and emergencies since it is nandated by

- ed by
 a The Constitution of the Republic of Malawi [Section 160 [1] (c)]
 b The Malawi Defence Force Act [Section 5]
 c The Disaster Preparedness and Relief Act of Malawi

Thus the MIDF can duly provide technical experise and resources to assist the ivil authorities in the maint of essential services in times of disasters and mergancies.

The MIDF Commander is a member of the National Disaster Preparedness and elief Committee of Malawsi.



MDF RESOURCES

- □Personnel (including medical pers)
- **⊒**Transport
- ☐ Equipment/Logistics
- ☐ Engineer equipment

MDF RESOURCES

- PERSONNEL
- infantry troops
- engineers
- paratroopers

- Engineer equipment (boats, rafts...)

MDF CAPABILITIES

Assist in search and rescue ops

Provide aircraft, boats and vehicles

(Collaborate with Malawi Folice Services regarding sy emergencies



CONSTRAINTS OF IMPLEMENTATION DUE TO LACK OF RESOURCES AND TEAMWORK

1Problems in Maintenance or acquisition of equipment

l Lack of appropriate timeframes and critical success factors for ach phase

Itack of team work especially during relief operations & working just pwards making an impression upon the victims or the general public

OTHER CHALLENGES

Uncoordinated efforts which result in duplications

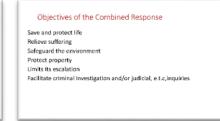
NGOs focusing on areas close to urban areas at the expens

International relief agencies operating outside th government mechanisms

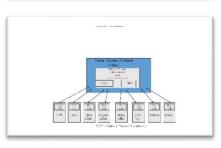
Competition for mobility assets between International Agencies, Local NGOs and government



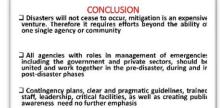
















13:30 - 14:30

Facilitated discussion on civilian-military cooperation

Moderator: Dr. Marius Claassen, CSIR, South Africa

The future we want: 2032

- Disease no longer linked to advent of disaster
- Early warning system (effective)
- Will have adequate resources (stand-by)
- Malawi becomes the benchmark
- Effective utilization of resources
- Prevention not cure
- Its going to be boring can commit resources to other areas (stability)
- Established networks
- Be able to deal and be prepared for new challenges like climate change (government has capability)
- More resilient communities
 - Communities draw on different knowledge systems
 - o Formal and informal support systems
 - Decreasing the threat
 - Have knowledge and capacity
 - Agency promoted to take part and affect change

What can we not do without?

- Prevention and surveillance
- Plans must be put into action
- Practical realistic plans.....
- We need to test these plans maybe through scenarios???

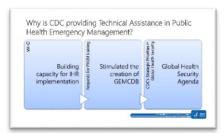
Civil military cooperation:

- Military and community coexisting drills re what is happening
- MOUs that include both military and civilian

Session 2	Learning from the Past, Planning for the Future	
15:00 - 15:30	Perspectives on CDC operations in Africa.	Ms. Jennifer Brooks, US Centers for Disease Control, Office of Public Health Preparedness and Response, Division of Emergency Operations





























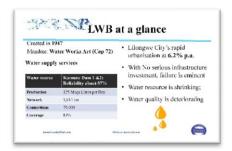
15:30 - 16:00

Local examples and priorities; Lilongwe Water Board, a brief history, current status and plans for the future.

Invited speaker

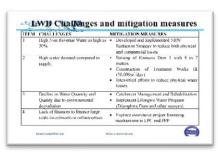


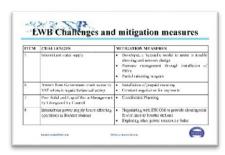




























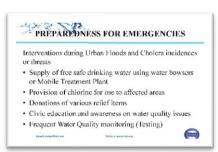














16:00 – 16:30 WASH Cluster Malawi

Invited speaker







Cholera prone/at risk Districts (MoH, DODMA) – 19 in number

▶Balaka, Blantyre, Chikwawa, Dedza, Karonga, Kasungu, Lilongwe, Machinga, Mangochi, Mwanza, Neno, Nkhatabay, Nkhotakota, Nsanje, Ntcheu, Phalombe, Rumphi, Salima, and Zomba

- household level, in rivers and streams, and lakes
- ▶ Poor sanitation, affected communities are not ODF
- ► Poor hygiene practices in affected communities/communities at risk
- ► Cross border and inter-district movements
- ► Communal gatherings like funerals food and handling

Management of Emergency WASH response in affected Districts (Partnerships)

- ▶ Led by DEMC for general coordination
 ▶ MoH/DEHOs hygiene and sanitation promotion, safe water
- promotion, sate water

 MoAIWD/DWDOs, LWB sate water

 MoAIWD/UNICEF WASH Cluster coordination of emergency and post emergency activities

 FUNICEF, RMCS, LNGOS, INGOs are participating

Emergency and post emergency WASH activities

- Water quality surveillance bacteriological (lab tests, rapid field tests)
 Provision of safe water water trucking, chlarination at household level and water points, rehabilitation of barbhols, diffiling new barbhols
 Hygines premades and sensitiation on cholera
 Frametion of constructly sanisation on cholera

- rrameten et community sandation (CLIS)
 bletecten control al CTG (decided vialines, both shelten, hand washing facilities, chlorien for disinfection, soop, etc.
 Distribution of WASH respires (volcets, soop, ISC maleriols, etc.)
 Caudination Cluster support at National level, and joint Health and WASH meetings

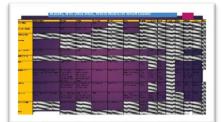
WASH CLUSTER COORDINATION

- WASH Cluster is chaired by MoAIWD, Co-chair is UNICEF
- During cholera outbreaks, meetings are held once a week at the peak, more often on demand.
- Support in coordination and resource mobilization is provided to affected districts
- Dissemination of information (epidemiology, response, gaps, 3W)
 Produced and updates a concept note on emergency WASH response (resource mobilization)
- ▶ Participates in joint WASH and Health meetings on cholera

3W matrix: UN agencies and NGOs participating (most

- Karonga: UNICEF, Water Missions, MRCS, WVI, CISP. FHI360-H4CL. ONSE, FEED. MSF, PDI

- ► <u>Salima</u>; UNICEF, Water Missions, United Purpose, WVI, FEED, MRCS ► <u>Ulangwe</u>; UNICEF, Plan, Water Missions, H4CL, EXP, ONSE, MRCS, Oxfam, United Purpose, MRCS, LWB
- ► Nkhatabay: UNICEF, Water Missions, CPAR, MRCS ► Rumphi: UNICEF, Water Missions, PDI, MRCS



Case study: water trucking in Lilongwe, cholera hotspots – UNICEF/DFID/MoAIWD/LWB

- ▶ Was done at cholera hotspots in Lilongwe; Area 36 (Milengo), Mchitanjiru, Kan'goma CTC, Kazira, Midondwe, Chingira and Chikadze/Kufakwa wanthu ▶ Combined with hygiene and sanitation promotion and chlorination of water at household level, cases significantily declined in the locations above.



Beneficiaries of emergency/resilience WASH services:

- ▶ Affected communities
- ▶Communities at risk
- Schools
- ▶ Cholera Treatment Centres (CTCs)

Challenges/gaps

- Some districts do not have sulficient NGO presence to supplement District efforts during one after the cholera our broats.
- nsulficient lunding for emergency response and sustained dos emergency WASH Interventors
- Jome locations are not easily accessible during emergencies. [Blooma biana] Gutural beliefs hinder effective penavioural change (e.g. belief in witchcraft).
- Chollenges of provision of safe water in per urban areas, under city councils, "I no" permissible to drill boreholes.

Way-forward/recommendations

- Government to budget for choice a response and preventive activities
- Development partners to continue to fundraise for cholera response and prevention activities
- and prevention activities

 **WASH Cluster to continue to fundraise for cholera prevention and
 response activities

 **WASH Cluster to make shoteleic partnerships with agencies like the
 military and LWB for premotien/provision of WASH services in the
 communities.



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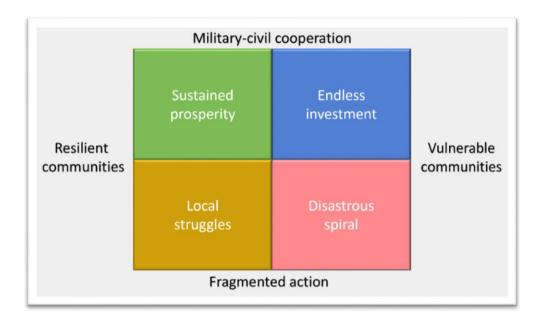






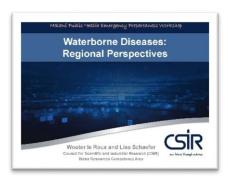
Zikomo kwambiri, thank you so much.

Questions? Possible future scenarios, based on participants inputs on day 1



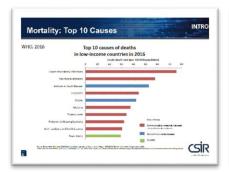
DAY 2 - Tuesday 4 September, 2018

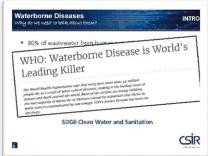
Session 3	Water-borne diseases	
08:30 - 8:50	Water-borne diseases: Regional perspectives	Mr. Wouter le Roux and Ms. L Schaefer, CSIR, South Africa

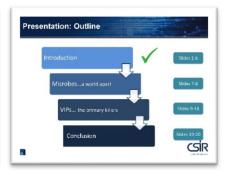


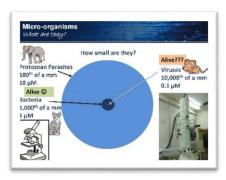


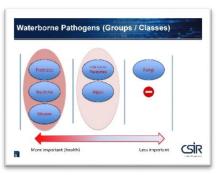




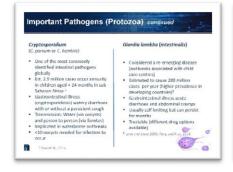














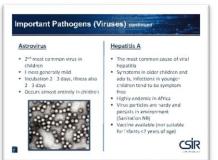




















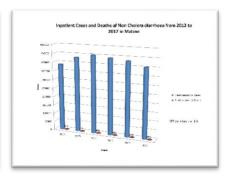
8:50 - 9:10

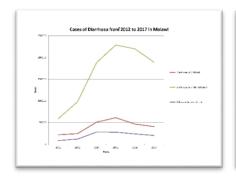
Local perspective: Malawi perspective

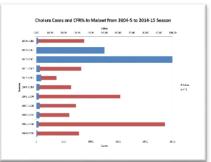
Mr. Edward Chado, Epidemiology, Malawi

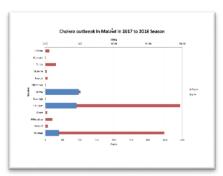
OVERVIEW OF DIARRHOEA IN MALAWI

Common Diarrhoea Dysentery Cholera Typhoid Schistosomiasis Diagnosis and confirmation









Preparedness and Response

- Cholera season starts in November and end in October
- Districts plans are reviewed and consolidated at the end of season
- Some resources are prepositioned in regional hubs and Health facilities
- When suspicions are notified necessary investigations are instituted by all levels
- · Response done with partners

PARTNERS

- Partners involved in preparedness and response
- · Partners operate at national and district levels
- List include; WHO, Unicef, RedCross, MSF, MSH, CDC, NCA,



9:10 - 10:00

Facilitated discussion

Moderator: Dr. Marius Claassen, CSIR, South Africa

Radical Innovations (proposed by participants)

- Free vaccines
- Enforce policies re zoning in terms of toilets maybe by-laws
- Provide safe water
- Latrinasation at village or traditional authority level
- Effective public innovation

"I wish ..." (as above)

- During outbreaks water is accessible and free not only where piped water is available
- Eliminate sources of pollution
- Water kiosks be free
- Decouple power and politics from water and water provision not only internal to countries but also between countries
- Stakeholders should plan and resource according to known peak seasons
- Community be at the center of the process everything else should serve that
- Communities have awareness and act accordingly
- Washing hands
- Water of good quality of sufficient quality
- We acknowledge that prevention is better than cure
- Target beneficiaries are part of discussions engage them (also at their places) and taking ownership of their own safety behavior change in a culturally sensitive manner. And bring this knowledge into the preparedness plans.

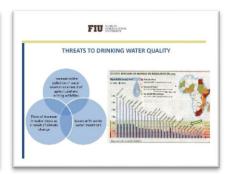
10:30-11:30

Examples from West Africa

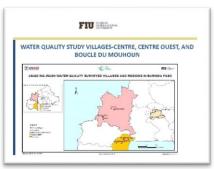
Dr. Lakhdar Boukerrou, FIU, Former Regional Director USAID WASH



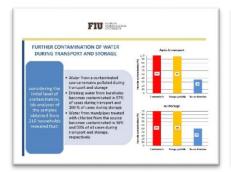


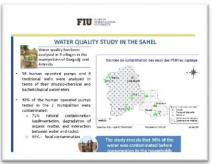




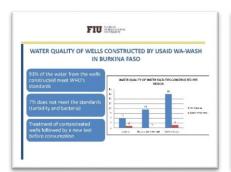












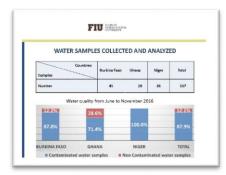


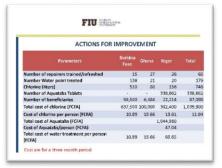


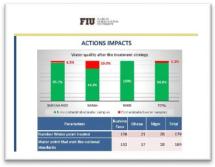














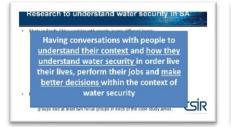
11:30 – 12:00 Culture, values and disciplinary perspectives as drivers of behavior

Ms. Karen Nortje, CSIR, South Africa

































13:00 - 15:00

Facilitated discussion on lessons learnt

Moderator: Dr. Marius Claassen, CSIR, South Africa

Group work: "Unpack one innovation, i.e. components required

Group 4:

Community awareness

- Sanitation and hygiene
- Safe water use
- NB diseases
- Water treatment and treatment techniques
- Food safety and hygiene
- Channels available for support

How -

- Interface meetings with community
- Schools using different kinds of media
- Extension workers
- Use of local and religious leaders
- Involvement of the military

Group 3:

Free Vaccines:

- Looking at malaria and cholera
- Logistics
- Tax on luxury items (tobacco and alcohol) to generate money for this
- Build a factory to produce the vaccines

Group 2:

Reinforcing policy and public education

- Water board need to set some minimum standards so it becomes a standard for all especially at water kiosks
- Look into allegations of bribery for example in private homes
- Bylaws such as fishing boats and minimum standards for the fishing boats people defecate in the water

Public education

- Use of different kinds of media
- Village education using the community
- Churches, and community radios
- Use the community structures as channels of information transfer.

Group 1:

Hand washing practices

- Baseline to understand what is happening and why
- Sustained behavioural change and communication
- Traditional and modern channels
- Opinion leaders, and other sectors
- Plus all kinds of media

- Provision of supplies for handwashing locally available and easy to make. In future may be made through locally made
- Complete engagement of community involved from inception to monitoring

15:30 - 16:30	Incident Management System and Emergency Response. (Introduction to Tabletop Exercise)	Ms. Jennifer Brooks and Mr. Eric Marble, US Centers for Disease Control, Office of Public Health Preparedness and Response, Division of Emergency Operations
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Participant list

Name	Organisation	Country	Email	Phone
Dave Derrick	AFRICOM	Germany	David.a.derrick.mil@mail.mil	+49-152-2446-0390
Eric Marble	CDC	USA	emarble@cdc.gov	+1-404-639-2597
Jennifer Brooks	CDC	USA	jcbrooks@cdc.gov	+1-404-639-3186
Kiran Bhurtyal	CDC	USA	Kxz6@cdc.gov	0888991033
Mwereh Kanjo	CHSU	Malawi	Mwerehk@gmail.com	0999875500
Karen Nortje	CSIR	South Africa	knortje@csir.co.za	+27128414354
Marius Claassen	CSIR	South Africa	mclaasse@csir.co.za	+27128412385
Wouter le Roux	CSIR	South Africa	wleroux@csir.co.za	+27128412189
P. Chilhngamo (?)	CYDT	Malawi	Chilhngamo@gmail.com	0888951112
Madalitso Henry Mwale	DODMA	Malawi	Madalitso.80mwale@gmail.com	0993879036
Lakhdar Boukerrou	FIU	USA	Lboukerr@fiu.edu	+1-305-348-3996
Gustaff Chikasema	LWB	Malawi	gchikasema@lwb.mw	+265888453720
Nelson Ngoma	LWB	Malawi	nngoma@lwb.mw	+265881273763
Moses Mwenye	LWB	Malawi	mmwenye@lwb.mw	0265888291122
Major Hartone L Phiri	MDF	Malawi	hlphiri01@yahoo.com	0994022264
Captain Rodwell T Ngulube	MDF	Malawi	rngulube4@gmail.com	0999487396
Major Lutufyo Kayange	MDF	Malawi	lutufyokayange@yahoo.com	0999448987
Lt Colonel FF Tembo	MDF	Malawi	fftembo@yahoo.com	0881658387
Colonel PL Mijoni	MDF	Malawi	Patrickmijoni@yahoo.co.uk	0885908680
Emma Mbalane	MoA	Malawi	emmambalane@gmail.com	0999857831
Thanasius Sithole	MoAIWD	Malawi	tsitole@gmail.com	+265999275963
Edward K Chado	МоН	Malawi	edchado@hotmail.co.uk	0999586324
Caseby Banda	МоН	Malawi	casibanda@yahoo.com	0881743511
Lazarus Juziwelo	МоН	Malawi	juziwelolazarus@gmail.com	0999936957
Allone Ganizani	МоН	Malawi	amganizani@gmail.com	0999268537
Holystone Kafanikhale	MoH-EH	Malawi	Hkafanikhale70@gmail.com	0999851089
Irene Magongwa	MSH	Malawi	imagongwa-temporary@onsehealth.org	0999360251
Erik Schouten	MSH	Malawi	eschouten@msh.org	0992951468
Mtisunge Yelewa	PHIM	Malawi	muttie2009@yahoo.com	0995436220
Evelyn Chitsa Banda	РНІМ/МОН	Malawi	chitsabandaeve@yahoo.com	0999936937
Wiseman Chimwaza	PHIM/MOH	Malawi	chimwazawiseman@gmail.com	0888353592
Tewodros Malede	UNHCR	Malawi	wubayehu@unhcr.org	0993165419
Susan Grace Nsangi	UNICEF	Malawi	snsangi@unicef.org	0993877344
Mesfin Senbete	UNICEF	Malawi	msenbete@unicef.org	0993749227
Kathryn McNatt	US Embassy	Malawi	mcnattke@state.gov	+265888565544
Major Paul Corbitt	US Embassy	USA	corbittpg@state.gov	0888967468
Ken Kaempffe	US Gov	USA	ken.kaempffe@navy.ml	+1-805-982-4893
Reuben Ligowe	USAID	Malawi	rligowe@usaid.gov	0884518574
Kehas Msyamboza	WHO	Malawi	msyamboza@who.int	0999258391
Humphreys Masuku	WHO	Malawi	masukuh@who.int	0999942245