Global Health Risk Framework: A Workshop on Resilient and Sustainable Health Systems to Respond to Global Infectious Disease Outbreaks

DRAFT AGENDA
August 5-7, 2015
La Palm Royal Beach Hotel
Accra, Ghana

Background:
Over the past decade or more, infectious disease outbreaks including those associated with the Ebola Virus Disease, SARS coronavirus, and H1N1 influenza virus have demonstrated that an outbreak in one part of the world can threaten the health of the entire globe. These outbreaks have also pointed to the fact that many countries and regions do not have adequate health, public health, and other critical infrastructure in place to mitigate the systemic burdens that result from these large scale public health emergencies. Countless lives have been lost, the communities where these outbreaks occur have suffered insurmountable social and economic challenges and the cost of responding to these incidents continues to climb into the billions. These notable infectious disease outbreaks have highlighted the need for enhanced and sustainable capacity to plan for and respond to global infectious diseases and other public health emergencies, as well as an augmented framework for identifying and effectively responding to the contemporary challenges and realities that these emergencies present.

This workshop will specifically focus on the characteristics of and optimum approaches to building sustainable and resilient health systems that are responsive to emerging infectious disease threats and other public health emergencies. The workshop will bring together diverse perspectives of informed stakeholders, characterize needs and gaps in the current approaches to detecting and responding to infectious disease outbreaks, document key successes and lessons learned, highlight opportunities and potential approaches to improve the global system for outbreak response, and consider indicators and metrics that may be used to guide and assess the resilience and sustainability of health systems to future outbreaks and emergencies.

Finally, this workshop, as part of a series of four, will inform an international, independent, multi-stakeholder commission, led by the U.S. National Academy of Medicine, in their recommendations for a more effective global architecture for mitigating the threat of epidemic infectious diseases.
Workshop Objectives:

- Deliberate on suggestions and opportunities to build and maintain a sustainable, resilient health system for times of emergency, especially in resource-limited settings;
- Synthesize lessons learned from past case studies about potential threats posed by fragile health systems and ways to restore and maintain health system resilience and sustainability;
- Discuss the key priority areas for Disease Surveillance, Workforce Capacity, Public Health and Health Care Infrastructure, Community Engagement, and Leadership and Management, and their integration to achieve resilient and sustainable health systems;
- Discuss varying types of cross-sector partner engagement in building resilient and sustainable health systems and how these partners are incorporated into the overall health care delivery system;
- Consider the value proposition for resilient and sustainable health systems, and the impact on the economic sector nationally and globally due to ineffective and inefficient health systems; and
- Synthesize best practices and recommendations for translating research and lessons learned into public health action for holistic health system resilience and sustainability.

Wednesday August 5, 2015 (Day 1)

8:30-8:50 a.m. Workshop Co-Chairs Welcome

MICHAEL MYERS, Managing Director, The Rockefeller Foundation, Co-Chair, Workshop Planning Committee

FRANCIS OMASWA, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), Co-Chair, Workshop Planning Committee

Opening Remarks
- Akilagpa Sawyerr, President, Ghana Academy of Arts and Sciences Representative

8:50-9:10 a.m. Overview of the U.S. National Academy of Medicine Global Health Risk Framework Initiative

VICTOR J. DZAU, President, U.S. National Academy of Medicine
SESSION I: OPENING PLENARY: LESSONS FROM A HISTORICAL PERSPECTIVE

Session Moderator: GABRIEL LEUNG, Dean, Li Ka Shing Faculty of Medicine, University of Hong Kong, Workshop Planning Committee

Session Objectives:
- Through the use of case studies of infectious disease emergencies in the past, synthesize lessons learned about potential threats posed by fragile health systems and ways to restoring and maintaining health system resilience
- Understand the myriad of factors at play within a country’s public health and health care systems and how they interact during a public health emergency.
- Examine which models of emergency preparedness and response had successfully controlled and/or mitigated outbreaks and why they were successful.
  - Discuss how these could be generalized or scaled up

9:10 am-10:30am  Case Study Panel Presentation

SARS
  SPEAKER PENDING

Ebola
  JANE RUTH ACENG, Director General of Health Services, Ministry of Health, Kampala, Uganda

H1N1
  CELIA ALPUCHE ARANDA, Director, Infectious Diseases Research Center, National Institute of Public Health, México

MERS-CoV
  TRISH M. PERL, Department of Epidemiology and Infection Prevention, Johns Hopkins Medicine

10:30am-11:00am  BREAK
SESSION II: BUILDING HEALTH SYSTEMS RESILIENCE

Session Moderator: FRANCIS OMASWA, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), Co-chair, Workshop Planning Committee

Session Objectives:
- Consider lessons from case studies through the lens of systems thinking
- Discuss recent advancements and research in resilience and the translation to the health system

11:00am–11:45am  Building Sustainable Health Resilience: A Systems Approach

PAUL FARMER, Co-founder and Chief Strategist, Partners in Health
MICHAEL MYERS, Managing Director, The Rockefeller Foundation

11:45am–12:30pm  Discussion with Attendees and Case Study Panelists

12:30pm-1:30pm   LUNCH – on site

SESSION III: BREAKOUT GROUP DISCUSSIONS

Session Objective:
- Discuss the key priority areas and their integration to achieve resilient health systems
- Consider patterns throughout case study presentations.
  - How do separate diseases and individual responses to diseases relate to one other?
  - What can be done to prevent negative patterns and encourage positive ones?
- Introduce fresh ideas and new insight, structuring conversation in a way that inspires actionable thinking and informs the GHRF Commission

1:30pm-3:30pm   Breakout Discussions by Focus Area

Focus Area 1: Disease Surveillance Systems  Room: TBD

Facilitator: DAVID FITTER, Epidemiologist, Emergency Response and Recovery Branch, U.S. Centers for Disease Control and Prevention

Learning Objectives
- Discuss the key priority areas for improving disease surveillance and health information systems
- Compare and contrast different models of disease surveillance systems and health information sharing and their potential during an outbreak.
Panelists:
- Klaus Sturbeck, Country Director, Global Health Programs – Tanzania, Henry Jackson Foundation Medical Research International (HJFMRI), Walter Reed Program Tanzania (WRP – T), Dar es Salaam, Republic of Tanzania

Focus Area 2: Local and Regional Workforce Capacity  Room: TBD

Facilitator: Stella Anyangwe, Honorary Professor in Epidemiology at the School of Health Systems and Public Health at the University of Pretoria

Learning Objectives
- Discuss the key priority areas for improving workforce capacity
- Compare and contrast different models for augmenting workforce and the potential during an outbreak.

Panelists:
- Munir Ahmed Mangrio, Director General, National Health Emergency Preparedness and Response Network (NHEPRN), Pakistan
- Patrick M. Nguku, Field Epidemiology and Laboratory Training Program, Nigeria Ministry of Health
- Jim Campbell, Director, Health Workforce, WHO Executive Director, Global Health Workforce Alliance

Focus Area 3: Health Care and Public Health Integration  Room: TBD

Facilitator: P. Gregg Greenough, Research Director, Harvard Humanitarian Initiative, Harvard School of Public Health

Learning Objectives
- Discuss the key priority areas for improving the connections between and integration of public health services and health care delivery.
- Consider the traits of a “resilient health system” and how to view systems holistically, across the public health, pre-hospital, clinical care, and behavioral health spectrum.

Panelist:
- Koku Awoonor-Williams, Regional Director of Health Service for the Upper East Region of Ghana
Focus Area 4: Community Engagement

Facilitator: BEN ADEIZA ADINOYI, Africa Zone Health and Care Coordinator, International Federation of Red Cross and Red Crescent Societies, Workshop Planning Committee

Learning Objectives

- Discuss the key priority areas for improving integration and communication with community partners to improve public health and health care.
- Consider the entry points where partners can engage a country’s health care system and how that can be scaled during a public health emergency to increase community awareness and understanding of a disease and response.
- Compare and contrast different models for community and public engagement.

Panelists:

- MOSOKA FALLAH, Ebola Emergency Response Program Manager, Action Contre la Faim (ACF), Visiting Assistant Professor, AM Dogliotti College of Medicine
- JANET NAKUTI, Senior Program Officer, Sasa! Program, Raising Voices, Uganda

3:30pm-4:00pm BREAK

SESSION IV: PLENARY: REPORT OUT

Session Moderator: MICHAEL MYERS, Managing Director, The Rockefeller Foundation, Co-Chair, Workshop Planning Committee

Session Objectives:

- Report out by facilitators from each topic area highlighting themes and opportunities identified.
- Opportunity for discussion and additional feedback and suggestions from full audience

4:00pm–4:45pm Report Out by Facilitators

4:45pm–5:30pm Large Group Discussion
  - What central themes emerged across topics?
  - Top identified opportunities?

5:30pm ADJOURN

5:30pm-7:00pm RECEPTION
Thursday August 6, 2015 (Day 2)

8:30am-8:45am  Morning Remarks

MICHAEL MYERS, Managing Director, The Rockefeller Foundation, *Co-Chair, Workshop Planning Committee*

FRANCIS OMASWA, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), *Co-Chair, Workshop Planning Committee*

Welcoming Remarks
*Speakers Pending*

**SESSION V: CROSS SECTOR ENGAGEMENT IN BUILDING HEALTH SYSTEMS**

**Session Moderator:** ANN MARIE KIMBALL, Associate Fellow, Royal Institute of Foreign Affairs, Chatham House *Workshop Planning Committee*

**Learning Objectives**
- Discuss varying types of partner engagement in building resilient health systems and how these partners are incorporated into the health care delivery system.
- Consider the value proposition for resilient health systems, and the affect that can be seen on the economic sector national and globally due to poor health systems.
- Explore a broad array of stakeholders invested in building a strong public health and health system.

8:45am–10:15am  Panel Presentation: Cross Sector Engagement in Health Systems

**Panelists:**

*Public Health:*
- PETER LAMPTLEY, Distinguished Scientist and President Emeritus, FHI360

*Mental Health:*
- INGE PETERSON, Professor, University of Kwazulu-Natal, South Africa

*Health Care:*
- KUMANAN RASANATHAN, Senior Health Specialist, UNICEF

*Business/Private Sector:*
- GRAHAM DAVIDSON, Managing Director, Simandou Project, Guinea, Rio Tinto
NGO/Civil Society:
- SARAN KABA JONES, Founder and CEO, FACEAfrica, Liberia

Community:
- SPEAKER PENDING

Development:
- SPEAKER PENDING

10:15am-10:45am  BREAK

10:45-11:45 a.m.  Discussion with Attendees: Reaction to Panel Discussion

11:45am-12:45pm  LUNCH – on site

SESSION VI: BREAKOUT GROUP DISCUSSIONS

Session Objective:
- Discuss the key priority areas for improving each of the 4 topic areas to achieve resilient health systems

12:45pm–3:15pm  Breakout Discussions by Focus Area *(Each group will integrate cross sector and community engagement into their discussions)*

Focus Area 1:  Health Information Systems  Room: TBD

Facilitator:  PAUL BIONDIC, Research Scientist, Regenstrief Institute, Inc.

Specific questions to address:
- What health information systems are currently being used successfully to share information across institutions or countries when needed?
  - What are current limitations and barriers to achieving robust information sharing?
  - How can successful systems and models be replicated to countries where they don’t yet exist?
  - How is data being collected to evaluate and monitor systems?
- What frameworks or infrastructure are needed to support digital health information sharing?
- How can these systems support daily health system needs and augment emergency response?

Panelists:
- SPEAKERS PENDING
Focus Area 2: Incorporating Global Reserve Teams on the Ground  Room: TBD

Facilitator: JIM CAMPBELL, Director, Health Workforce, WHO Executive Director, Global Health Workforce Alliance

Specific questions to address:
- What steps must be taken to strengthen systems for identification, mobilization, coordination, and management of foreign medical teams?
  - How do these teams integrate into health systems within a country?

Speakers:
- IAN NORTON, Foreign Medical Teams Working Group, WHO
- LEWIS RUBINSON, Director, Critical Care Resuscitation Unit, University of Maryland, USA

Focus Area Room 3: Health Care Delivery and Supply Chain  Room: TBD

Facilitator: PENDING

Specific questions to address:
- How can diagnostic capacity gain uniformity across platforms so as to improve managing infectious diseases?
- What facility capacities exist and what impact does that have on health care provided?
- What promising practices are being used in countries to connect remote populations to caregivers and medical professionals? How can access continue to be improved?
- Compare and contrast different models for care delivery in LMIC and identify areas where new approaches are required.
- What are successful models for supply chain in rural countries to ensure that the last mile is achieved and products are delivered where needed?

Primary:
- LLOYD MATOWE, PharmaSyst Africa
- RAJ PANJABI, CEO, Last Mile Health, Liberia

Focus Area 4: Leadership and Management

Facilitator: DAN HANFLING, Contributing Scholar, University of Pittsburgh Medical Center, USA

Specific questions to address:
- What is the role of governments?
- What is the role of non-state actors?
- What is the role of the private sector?
- How is accountability measured and monitored?
- How are inter-sectoral linkages and competing budgetary needs managed?
Panelists:
- SPEAKERS PENDING

3:15pm-3:30pm  BREAK

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30pm-4:30pm</td>
<td>Report Out by Facilitators</td>
</tr>
<tr>
<td>4:30pm-5:15pm</td>
<td>Large Group Discussion</td>
</tr>
<tr>
<td>5:15pm</td>
<td>ADJOURN</td>
</tr>
</tbody>
</table>

SESSION VII: PLENARY: REPORT OUT
Session Moderator: FRANCIS OMASWA, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), Co-Chair, Workshop Planning Committee

Session Objectives:
- Report out by facilitators from each topic area highlighting themes and opportunities identified.
- Opportunity for discussion and additional feedback and suggestions from full audience

3:30pm-4:30pm  Report Out by Facilitators
4:30pm-5:15pm  Large Group Discussion
  - What central themes emerged across topics?
    - Top identified opportunities?
Friday August, 7, 2015 (Day 3-half day)

9:00am-9:15am  Morning Remarks

**Michael Myers**, Managing Director, The Rockefeller Foundation, *workshop co-chair*

**Francis Omaswa**, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), *workshop co-chair*

Opening Remarks:
SPEAKERS PENDING

---

### SESSION VIII: SYNTHESIZING COMPONENTS TO BUILD RESILIENT HEALTH SYSTEMS

**Session Moderators:** **Michael Myers**, Managing Director, The Rockefeller Foundation,  
*Co-Chair, Workshop Planning Committee*

**Francis Omaswa**, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), *Co-Chair, Workshop Planning Committee*

**Session Objectives:**
- Deliberate on suggestions and opportunities from the last 2 days of discussion to build and maintain a sustainable, resilient health system for times of emergency, especially in resource-limited settings.
- Synthesize best practice for translating research into public health action for system resilience.

9:15am-9:45am  Synthesis Presentation: Synthesis of Resilient Health System Components

**Planning Committee Panelists**
- Gabriel Leung, *Case Study Lessons*
- David Fitter/Jordan Tappero, *Disease Surveillance*
- Oyewale Tomori, *Health Information Systems*
- Ann-Marie Kimball, *Cross Sector System Building*
- Ben Adeiza Adinoyi, *Community Engagement*

9:45am-10:15am  Discussion with Attendees
10:15am-10:30am  BREAK

10:30am-11:30am  Reaction Panel: Putting it all together – Building Integrated, Sustainable, Resilient Health Systems

Panelists:

- PETER LAMPTHEY, Distinguished Scientist and President Emeritus, FHI360
- RAPHAEL FRANKFURTER, Executive Director, Wellbody Alliance
- DELANYO DOVLO, Director, Health Systems and Services Cluster, WHO AFRO
- DANIEL LOPEZ ACUNA, Former Director for Recovery and Transition, Cluster of Health Action in Crisis, World Health Organization

- OTHER SPEAKERS PENDING

11:30am-12:00pm  Wrap Up and Discussion with Attendees

12:00pm  Closing Remarks

VICTOR J. DZAU, President, National Academy of Medicine (USA)

MICHAEL MYERS, Managing Director, The Rockefeller Foundation, Co-Chair, Workshop Planning Committee

FRANCIS OMASWA, Executive Director of the African Centre for Global Health and Social Transformation (ACHEST), Co-Chair, Workshop Planning Committee

12:15pm  WORKSHOP ADJOURNED