



Public Private Partnerships For Global Health Threats

Live Panel On Houston Campus Energy Center Town Hall B
Wednesday, January 24, 2018, 10:00 AM-11:30 AM



Mr. Hugh W. Thompson
Executive Vice President
ExxonMobil Production



Nancy Knight, MD
Director of CDC's
Division of Global
Health Protection



Judith Morris, MD
President and CEO
CDC Foundation



Katrena Henderson
Management
Sciences for Health



Dr. Dennis Carroll
USAID Director For
Emerging Threats



Dr. Melick Diers
ExxonMobil



Dr. Francesca Villani
International SOS

Moderators





ANTITRUST REMINDER

Our goal is to have a productive meeting as our agenda provides. However, as a reminder, some of the companies with representatives present today compete with one another. In order to comply with antitrust laws, we should avoid any discussions or comments that may not be appropriate in fact or even in appearance.

In order to not run afoul of the antitrust laws, in either the formal presentations or informal discussions, please refrain from exchanging or discussing information regarding contracts, plans, prices, discounts, matters relating to actual or potential individual suppliers or customers, and similar subjects. This also includes non-public plans of individual companies.

I am asking each of our speakers to be aware of these concerns during their presentations, and suggest all participants promptly object to any questions or comments that they do not believe are appropriate. Thank you.





Society Of Petroleum Engineers



- **Mission**
To collect, disseminate, and exchange technical knowledge concerning the exploration, development and production of oil and gas resources, and related technologies for the public benefit; and to provide opportunities for professionals to enhance their technical and professional competence.
- >164,000 members in 143 countries, 198 sections and 368 student chapters with more than 73,000 student members.
- SPE sponsors more than 100 conferences, exhibitions, forums and workshops each year. <http://www.spe.org/about/>



Public Private Partnerships For Global Health Threats

Live Panel On Houston Campus Energy Center Town Hall B
Wednesday, January 24, 2018, 10:00 AM-11:30 AM

Mr. Hugh W. Thompson
Executive Vice President
ExxonMobil Production

Nancy Knight, MD
Director of CDC's
Division of Global
Health Protection

Judith Morris, MD
President and CEO
CDC Foundation

Katrena Henderson
Management
Sciences for Health

Dr Dennis Carroll
USAID Director For
Emerging Threats

Dr Malik Darya
ExxonMobil

Dr Francesca Villani
International SOS

Moderators

Increasing Global Health Risks

Mapping The Hot Spot Sources

Mammals and water fowl are viral reservoirs

Mammalian Habitat ranges

Waterfowl breeding hotspots

Why & Consequences ?



ENABLERS

- Rapid population growth
- Population flows across borders
- Changing animal/vector habitats
- Global food processing/distribution
- Poverty and urban migration
- Limited health services

IMPACT

- Human & animal health consequences
- Direct & indirect costs
- Health systems overflowed
- Infrastructure breakdown
- Supply chain disruption
- Civil unrest



Are We Collaboratively Prepared?



Perspectives on Global Health Threats For the Oil & Gas Sector



Hugh Thompson
Executive Vice President
ExxonMobil Production Company



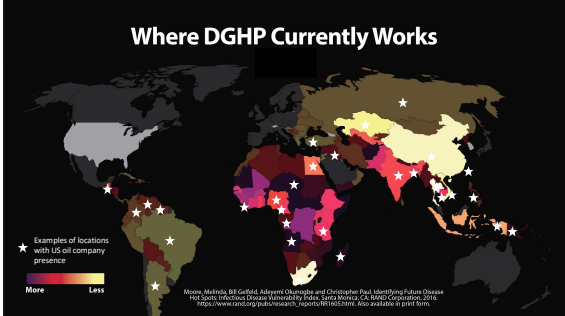


CAPT Nancy Knight, MD
Director
Division of Global Health Protection
Center for Global Health, CDC





Where DGHP Currently Works



Examples of locations with US oil company presence

More Less

Morse, Malinda, Bill Gerfield, Adegun Ogunbayo and Christopher Park. Identifying Future Disease Hot Spots: Reducing Disease Vulnerability in the Santa Rosa, CA Airport Corporation. 2014. http://www.rand.org/pubs/research_reports/RR1603.html. Also available in print form.





Impact of CDC's Global Health Protection Efforts

GHSA	Global RRT	FETPs	GDDOC	GDD	JEE
The Global Health Security Agenda (GHSA)	Global Rapid Response Team	Field Epidemiology Training Programs	The CDC Global Disease Detection Operations Center	Regional Global Disease Detection Centers	The Global Joint External Evaluation (JEE) tool
More than 60 nations working together to improve preparedness and outbreak response	More than 400 CDC staff ready to deploy anywhere in the world to address public health disasters	More than 10,000 disease detectives trained to stop outbreaks at their source	More than 30-40 outbreaks monitored/ reported daily	More than 380 diagnostic tests newly available in-country to identify threats	More than 60 countries have completed a JEE to assess gaps and take action to address them

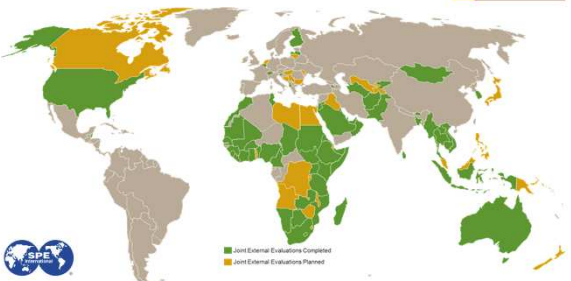


Joint External Evaluations (JEEs)

- Each country accountable to itself & global community
- The World is accountable to each country
- Independent assessments key to knowing status and filling gaps



JEE Progress (as of Jan 23, 2018)	
47	Completed
32	Planned





 Joint External Evaluations Completed
 Joint External Evaluations Planned

Working with CDC to protect the health, safety and security of America and the world

Dr. Judith Monroe, MD
President and CEO, CDC Foundation







Together our impact is greater



Together our impact is greater





Beating Back Ebola



Through the investments of hundreds of donors in our Emergency Response Fund, we supported CDC's response to the Ebola epidemic in West Africa, **saving thousands of lives.**



THE PAUL G. ALLEN
FAMILY FOUNDATION

BILL & MELINDA
GATES Foundation



FACEBOOK FOUNDER
MARK ZUCKERBERG
& DR. PRISCILLA CHAN



HCA
Hospital Corporation of America



Robert Wood Johnson
Foundation



Global Health Security



CDC is working with 31 countries to accelerate the ability to prevent, detect and respond to infectious disease threats. The CDC Foundation is working with CDC to **address surveillance, labs, workforce development and emergency response.**



BILL & MELINDA
GATES Foundation



The Silver Bullet: Time & Whole of Society Approaches to Epidemic Preparedness



Katrena Henderson
Director Business Development
Management Sciences for Health



Recommendations for PPP Engagement



Priorities for local PPPs:

- Whole of society approaches: Know what is outside the fence, Engage early and often
- Lead and Support: Understand the components of community preparedness and your role within it
- Measure and Manage: Knowing the risk to your community helps understand the risk to the business



Whole-of-Society Approach



Community Readiness Model



RESILIENT HEALTH SYSTEMS

Leadership and coordination

- A multi-stakeholder coordination committee
- Frameworks to address identified needs

Operational research

- Analysis of systemic constraints and feasibility of this model

Disease surveillance

- Early warning event-based community surveillance system
- Electronic surveillance and outbreak management tools

Advocacy

- Local and global advocacy to fund community-led preparedness plans

Response capacity-building

- Training to support full range of preparedness, coordination, and response needs

Preparedness planning

- Maps of essential services and resources
- Plans to secure critical service and business continuity

Costing and financing

- Community readiness investment case preparation and financing options

Inventory and supply management

- Procedures for sourcing and managing critical supplies
- Pharmaceutical and vaccine supply chain

Measure and Manage

We measure what we value

Ghana's scores

Capacities	Indicators	Score
National legislation, policy and financing	P1.1 Legislation, laws, regulations, administrative requirements, policies or other government instruments in place are sufficient for implementation of IHR (2005)	2
	P1.2 The State can demonstrate that it has adopted and aligned its domestic legislation, policies and administrative arrangements to enable compliance with IHR (2005)	2
IHR coordination, communication and advocacy	P2.1 A functional mechanism is established for the coordination and integration of relevant sectors in the implementation of IHR	3
Antimicrobial resistance	P3.1 Antimicrobial resistance detection	1
	P3.2 Surveillance of infections caused by antimicrobial-resistant pathogens	1
	P3.3 Health care-associated infection (HCAI) prevention and control programmes	2
	P3.4 Antimicrobial stewardship activities	1
Zoonotic diseases	P4.1 Surveillance systems in place for priority zoonotic diseases/pathogens	3
	P4.2 Veterinary or animal health workforce	3
	P4.3 Mechanisms for responding to infectious and potential zoonotic diseases are established and functional	3
Food safety	P5.1 Mechanisms for multisectoral collaboration are established to ensure rapid response to food safety emergencies and outbreaks of foodborne diseases	2
Biosafety and biosecurity	P6.1 Whole-of-government biosafety and biosecurity system is in place for human, animal and agriculture facilities	2
	P6.2 Biosafety and biosecurity training and practices	2
Immunization	P7.1 Vaccine coverage (measles) as part of national programme	4
	P7.2 National vaccine access and delivery	3
National laboratory system	D1.1 Laboratory testing for detection of priority diseases	3
	D1.2 Specimen referral and transport system	2
	D1.3 Effective modern point-of-care and laboratory-based diagnostics	2
	D1.4 Laboratory quality system	2

Q & A
