

Infectious Disease Movement in a Borderless World. Workshop Summary

Rapporteurs: David A. Relman, Eileen R. Choffnes, and Alison Mack
Forum on Microbial Threats – US Board on Global Health – 2010

Available online at: http://books.nap.edu/openbook.php?record_id=12758

“....Modern transportation allows people, animals, and plants—and the pathogens they carry—to travel more easily than ever before. The ease and speed of travel, tourism, and international trade connect once-remote areas with one another, eliminating many of the geographic and cultural barriers that once limited the spread of disease. Because of our global interconnectedness through transportation, tourism and trade, infectious diseases emerge more frequently; spread greater distances; pass more easily between humans and animals; and evolve into new and more virulent strains.

“.....*One World, One Health* ©20 Recognizing the importance of zoonoses as emerging diseases and the economic impact of animal diseases, several workshop participants advocated expanding the purview of surveillance under IHR 2005 by linking its human infectious disease networks with those focused on animal diseases....”

The Institute of Medicine IOM’s Forum on Microbial Threats hosted the workshop “*Globalization, Movement of Pathogens (and Their Hosts) and the Revised International Health Regulations*” December 16-17, 2008 in order to explore issues related to infectious disease spread in a “borderless” world. Participants discussed the global emergence, establishment, and surveillance of infectious diseases; the complex relationship between travel, trade, tourism, and the spread of infectious diseases; national and international policies for mitigating disease movement locally and globally; and obstacles and opportunities for detecting and containing these potentially wide-reaching and devastating diseases. This document summarizes the workshop.

Workshop Overview

1 Migration, Mobility, and Health

International Migration Past, Present, and Future
People, Borders, and Disease
—Health Disparities in a Mobile World

2 Travel, Conflict, Trade, and Disease

Global Travel and Emerging Infections
Armed Conflict and Infectious Disease
Risky Trade and Emerging Infections
Globalization of the Food Supply: Time for Change in Approach

3 Mobile Animals and Disease

Public Health Impact of Global Trade in Animals
A Mollusc on the Leg of a Beetle: Human Activities and the Global Dispersal of Vectors and Vector-borne Pathogens
Predicting and Preventing Emergent Disease Outbreaks

4 Global Public Health Governance and the Revised International Health Regulations

Public Health, Global Governance, and the Revised International Health Regulations,
Capacity-Building Under the International Health Regulations to Address Public Health Emergencies of International Concern
Implementing the Revised International Health Regulations in Resource-Constrained Countries: Intentional and Unintentional Realities
Viral Sovereignty, Global Governance, and the IHR 2005:
The H5N1 Virus Sharing Controversy and Its Implications for Global Health Governance

5 Global Disease Surveillance and Response

Of Milk, Health, and Trade Security
International Technical Agencies Working at the Human-Animal Interface
International Animal Health Regulations and the World Animal Health Information System
Incentives and Disincentives to Timely Disease Reporting and Response: Lessons from the Influenza Campaign

References

Appendixes

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This message from the Pan American Health Organization, PAHO/WHO, is part of an effort to disseminate information Related to: Equity; Health inequality; Socioeconomic inequality in health; Socioeconomic health differentials; Gender; Violence; Poverty; Health Economics; Health Legislation; Ethnicity; Ethics; Information Technology - Virtual libraries; Research & Science issues. [DD/ KMC Area]

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