Model Design Work Group Meeting, National Health Security Preparedness Index

July 21, 2015

NHSPPI Program Management Office
University of Kentucky
Agenda

- Delphi Expert Panel Approach and Composition
- RWJF Culture of Health Metrics
Weighting

• Expert panel, online Delphi approach
  – Three iterations
    • measures, subdomains, and then domains
  – Weighted with respect to “all hazards”
    • but will emphasize that health security is about preparedness, protection, and resilience—and involves many sectors of society.
Weighting: Item Measures with a VAS

Using a Visual Analog Scale (VAS), how well each measure corresponds to the Health Surveillance & Epidemiological Investigation subdomain—ranging from "no correspondence at all" to "perfect correspondence."

- **M17** - State participates in the Behavioral Risk Factor Surveillance System (BRFSS).
  - For more information about this measure, click [here](#).
  - Score: 4.5

- **M18** - (Number of) epidemiologists (per 100,000 population)
  - For more information about this measure, click [here](#).
  - Score: 1.4

- **M19** - State participates in the Epidemic Information Exchange (Epi-X) System
  - For more information about this measure, click [here](#).
  - Score: 9.5

PREPARED
NATIONAL HEALTH SECURITY PREPAREDNESS INDEX
Which Measures will be Included?

- 178 measures currently used in the Index
- Approximately 55 additional measures
  - RWJF Culture of Health Metrics (Inter-sectoral, Community Engagement)
  - Joint Commission on Accreditation of Health Care Organizations Compliance with Emergency Management Accreditation Standards
  - Measures of Social, Economic, Environmental, and Infrastructure Preparedness and Resiliency from the National Institute of Standards and Technology
  - Worksite and Occupational Health Measures of Preparedness and Resiliency
  - Fatality Management
Setting the Context

- Introduce the broad nature of national health security
  - e.g., the Introduction of the National Health Security Strategy and Implementation Plan (resilience, community-based organizations, “healthy communities,” etc.)

- Briefly explain “All-Hazards Preparedness”
  - Overview of the 15 National Planning Scenarios

- Describe the subdomain
  - The creation, maintenance, support, and strengthening of passive and active surveillance to: identify, discover, locate, and monitor threats, disease agents, incidents, and outbreaks; provide relevant information to stakeholders; and monitor/investigate adverse events related to medical countermeasures. The sub-domain includes the ability to successfully expand these systems and processes in response to incidents of health significance.
Identifying the Participants

- Need a mix of practitioners and researchers
- Planning on using workgroup members
- Send your recommendations to the PMO
Culture of Health Metrics

- Robert Wood Johnson Foundation – Building a Culture of Health
  - Making Health a Shared Value
    - Measures by Driver
Upcoming Meetings

- August 12, Analytic Methodology (virtual) 2-3 ET
- August 18, Model Design (virtual) 1-2 ET
For More Information

Glen P. Mays, Ph.D., M.P.H.  glen.mays@uky.edu
Anna Goodman Hoover, Ph.D.  Anna.Hoover@uky.edu
Michael Childress, M.A.  Michael.childress@uky.edu

Email:  NHSPI@uky.edu
Web:  www.nhspi.org / www.publichealthsystems.org
Journal:  www.FrontiersinPHSSR.org
Archive:  works.bepress.com/glen_mays
Blog:  publichealtheconomics.org