National Health Security Preparedness Index

Analytic Methodology & Model Design
Work Group Meeting

September 20, 2016

NHSPi Program Management Office
University of Kentucky
Agenda

- New or revised constructs & measures for 2017
  - Aligning with national frameworks
  - Individual-level measures of preparedness
    - BRFSS, FEMA’s Household Survey
  - Occupational health
  - Other
- Call for new measures, October 18, 2016
- NHSPI Virtual Event, October 21, 2016
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<tr>
<td>NHSPI™</td>
<td>• X Domains and Y Subdomains</td>
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<td>• Serves as Multi-Sector Coordinating Hub for Health Security Measurement</td>
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<tr>
<td>PPD-8</td>
<td>• 31 Core Capabilities and 5 Mission Areas</td>
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<td>• Contributes Other “Lanes” into Health Security Measurement</td>
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<tr>
<td>NHSS</td>
<td>• 50 Capabilities and 8 Categories</td>
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<td>• Creates Broader Scope for Health Security Indicators and Alignment</td>
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<td>PHP/HSP</td>
<td>• 15 Public Health and 8 Health System Preparedness Capabilities</td>
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<td>• Outlines Health Security Considerations for Public Health and Medical Services</td>
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<td>Essential Functions</td>
<td>• 10 Essential Functions of Public Health</td>
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<td>• Provides Framework for Describing the “Lane” of Public Health and Healthcare</td>
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= Building Blocks for Multi-Sector Alignment Towards Health Security Using the Index as the Incorporating Model
Mapping Capabilities - Sketch

James C. Rajotte

Step 1: Essential Functions of Public Health

Step 2: PHEP Capabilities

Step 3: HPP Capabilities

Step 4: NHSS Capabilities (Pilot – More to Add)

Step 5: FEMA Mission Areas (Using Core Capabilities as Determinants)

Step 6: Overlay NHSPI Domains

Step 7: Add NHSPI Sub-Domains Missing

Step 8: NDRF – Recovery Capabilities
Individual-level measures of preparedness

- BRFSS General Preparedness Module
  - Few states employ this module
    - 2015 = none
    - 2014 = none
    - 2013 = none
    - 2012 = (2) Alabama & Montana
    - 2011 = none
    - 2010 = (2) Montana & North Carolina
  - Proposed new measure: state implements the BRFSS general preparedness module (yes/no)

- FEMA National Household Survey, 2015
  - July 2015, 5,000 respondents, questions on preparedness and awareness of actions (e.g., plan, supplies)
Occupational Health

- Emergency Responder health/fatalities
- Occupational health professions (BLS OES data)
- Certified occupational medicine providers
- OSHA “events” – injuries, illnesses, and fatalities
- Mental & behavioral health data from SAMHSA
- Workers’ compensation claims
- Vaccination rates for health care workers
  - CDC Health Care Worker Survey
Upcoming Events

- Call for new measures, October 18, 2016
- NHSPI Virtual Event, October 21, 2016
For More Information

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