Model Design Work Group Meeting, National Health Security Preparedness Index

April 21, 2015

NHSPi Program Management Office
University of Kentucky
Agenda

■ Where are the gaps in NHSPI?
  ■ New measures, subdomains, domains
    ■ Improve the breadth and composition of the Index by adding new measures reflecting social, environmental, and economic indicators of preparedness and resiliency, along with other new areas of measurement.

■ How can we integrate and meld with existing frameworks?
    ■ Improve Index alignment with established national frameworks for preparedness and health security, particularly those frameworks used by USDHHS and USDHS agencies and relevant state and local agencies.

■ Tasks and Timeline
  ■ Ongoing work through 2015
  ■ Need recommendations by 6/2015
  ■ For the next version of the Index
Model Design Work Group

- Subject matter experts in health security, preparedness and resiliency theory, policy and practice.
- Refine and update the conceptual model of health security and preparedness that provides a theoretical and structural foundation for the Index.
- Ensure that key constructs related to health security, preparedness and resiliency are reflected in the Index’s domains, subdomains and individual measures.
Ideas Suggested for New Measures

- Expand social, environmental economic indicators of preparedness & resilience
- Prior workgroup recommendations:
  - Pre-event community status
  - Federal contributions to preparedness
  - Congregate care
  - Fatality management
  - Outpatient care
  - Non-pharmaceutical interventions
  - Responder safety and health
Ideas Suggested for New Measures, cont.

- JCAHO compliance rates with emergency management standards: hospitals, nursing homes, home health, behavioral health
- Infrastructure reliability: power, water, transportation, communication, housing, public facilities
- Geofeedia data on social network communication signals: community concerns, resources
- Workplace policies: PTO, telecommuting
- Cybersecurity measures
- Inter-sectoral & inter-jurisdictional collaboration measures
- Preparedness funding levels & distribution
2015 Timeline

- **2014 Release**
  - Call for new measures
  - Validation studies
  - Refine framework, constructs
  - Secure data sources

- **2015**
  - Refine measure set & specifications
  - Test new scaling, weighting, imputation

- **2016 Release**
  - Test comparisons & trending
  - Sensitivity analysis/simulation
  - Finalize index calcs
  - Update website
  - Messaging
Discussion Questions

- Are there high priority new measures (needed by June 2015!!)

- What are the longer-term priorities for new measures?

- Ideas for changes/improvements to the framework?

- Considerations: match with other frameworks, usability, others?
Next Steps?

1. ______
2. ______
3. ______
For More Information

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