Analytic Methodology Work Group Meeting, National Health Security Preparedness Index

August 12, 2015

NHSPPI Program Management Office
University of Kentucky
Agenda

- Delphi Instruments Up and Running
- How do we use Delphi Results?
- How Do we treat Pre-Event Community Status?
Delphi Instruments

- Dominique and Mike have designed three sets of instruments.
- Mike’s email of 8/7 provided links
  - Three waves: item, subdomain, domain.
  - Seven domains: adding pre-event community status
- If you haven’t looked please do and provide feedback.
Using Delphi Results

• Generation of Weights
  – Using mean, trimmed median or mode for summarizing item results?
  – Normalization within Domains (common set of reviewers) or across Domains?
  – Current plan:
    • Median or Mode for summarization, discrete data, reduces influence of outliers.
    • Normalization within Domain
Using Delphi Results

- Model Design Issues
  - How does the Delphi fit with our Drop, Keep decisions based on previous analysis?

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<thead>
<tr>
<th>Delphi\Alpha</th>
<th>Keep</th>
<th>Drop</th>
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<tbody>
<tr>
<td>Keep</td>
<td>Agree/Obvious</td>
<td>????</td>
</tr>
<tr>
<td>Drop</td>
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<td>Agree/Obvious</td>
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- Will revisit this as issues arise.
Pre-event Community Status

• A number of variables have been identified as measuring community status
  – Please see the Delphi instrument to review
• Currently treating as a “new” seventh domain.
  – Is this right? Add variables to other domains?
  – Alpha analysis
  – Other approaches?
Upcoming Meetings

- Sept. 9, Analytic Methodology (virtual) 2-3 ET
- Sept. 15, Model Design (virtual) 1-2 ET
- Sept. 22, Stakeholder Engagement (virtual) 1:30-2:30 ET
- Sept. 24, NAC (virtual) 1-3 ET
For More Information

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