

National Health Security Preparedness Index

Analytic Methodology & Model Design Work Group Meeting



June 20, 2017

NHSPI Program Management Office
University of Kentucky

Agenda

- Data Collection
 - The tension between national-level and state-specific sources
 - Measure hunt update
- Data linkage and analysis efforts to stimulate (provoke?) dialogue and discussion about improving health security
 - Analyses to uncover causes and consequences of change in health security

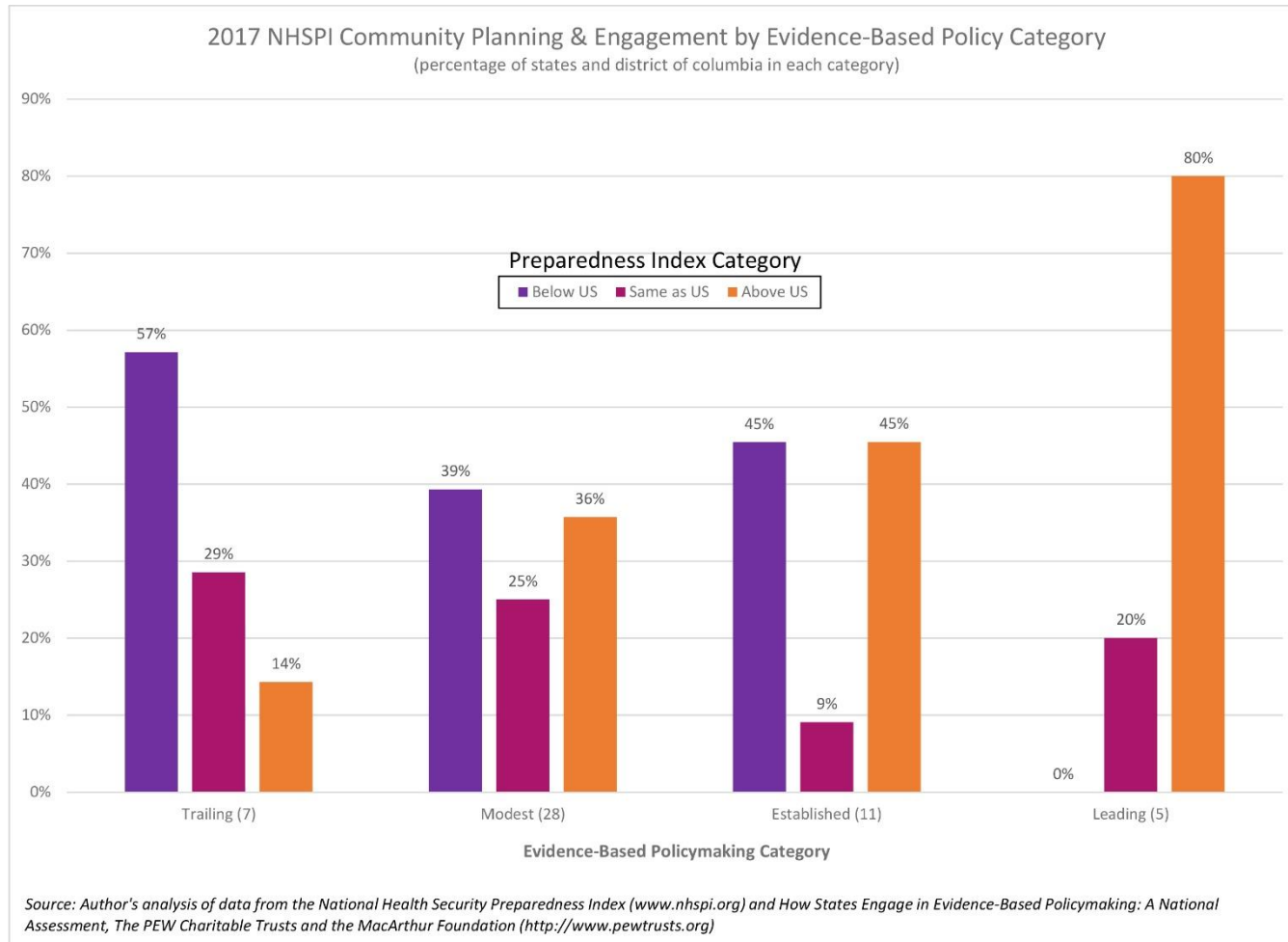
Data Collection

- The tension between national-level and state-specific sources
- Measure hunt update includes, but not limited to...
 - Cybersecurity
 - 911 Centers with cybersecurity plans
 - 911T Capability (texting)
 - Water Quality
 - Enforcement
 - Return to compliance

Evidence-Based Policymaking & Health Security

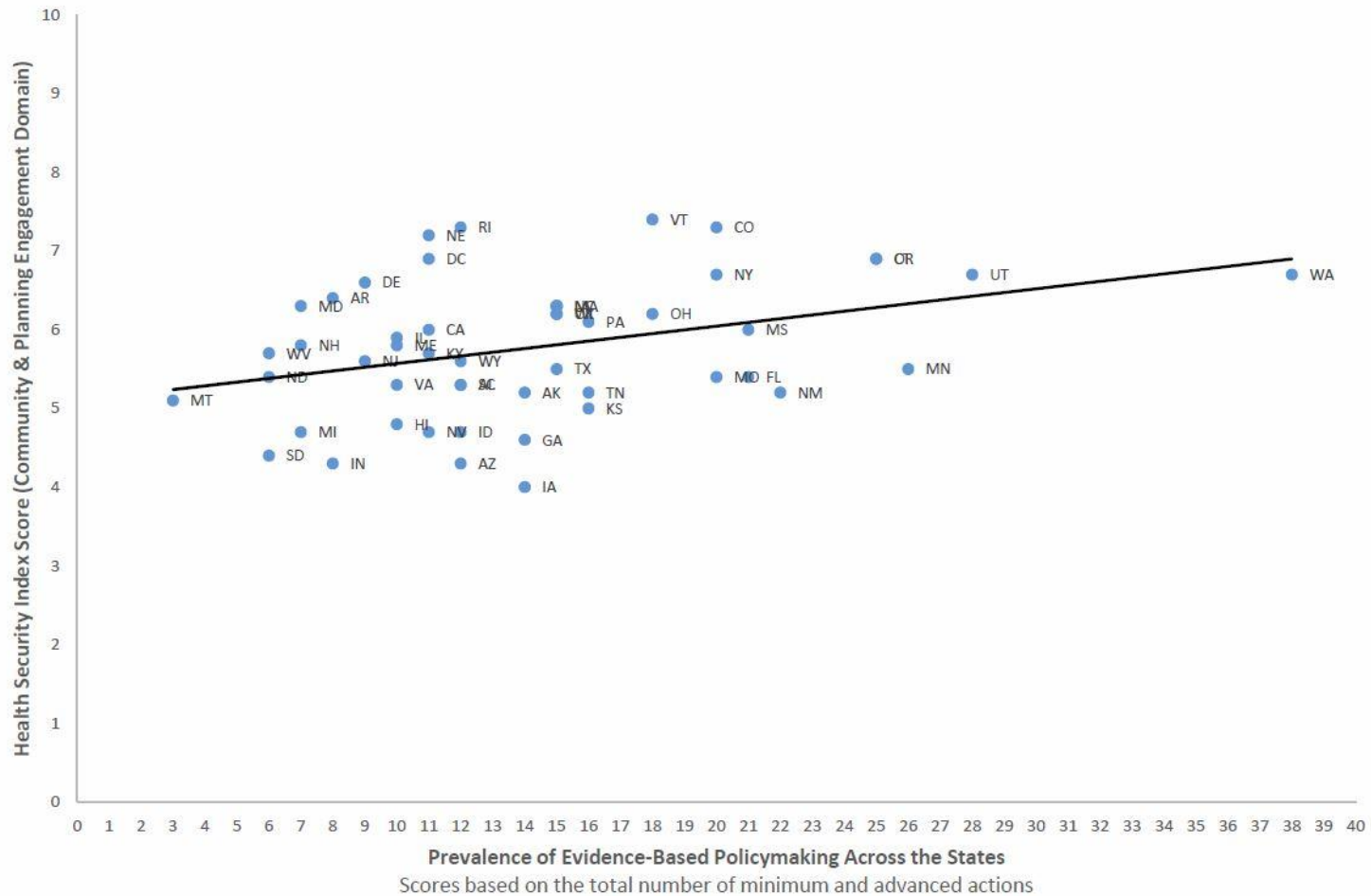
- Planning is integral to the Index
 - By item measure, subdomain, and domain
- What about a wider culture of planning at the state level?
 - January 2017 Pew/MacArthur Foundation Report, “How States Engage in Evidence-Based Policymaking”
 - Assess state-level EBP and categorize states into one of four groups: Trailing (7), Modest (28), Established (11), Leading (5)
- To what extent is a culture of evidence-based policymaking related to increased health security?

Community Planning & Engagement Domain



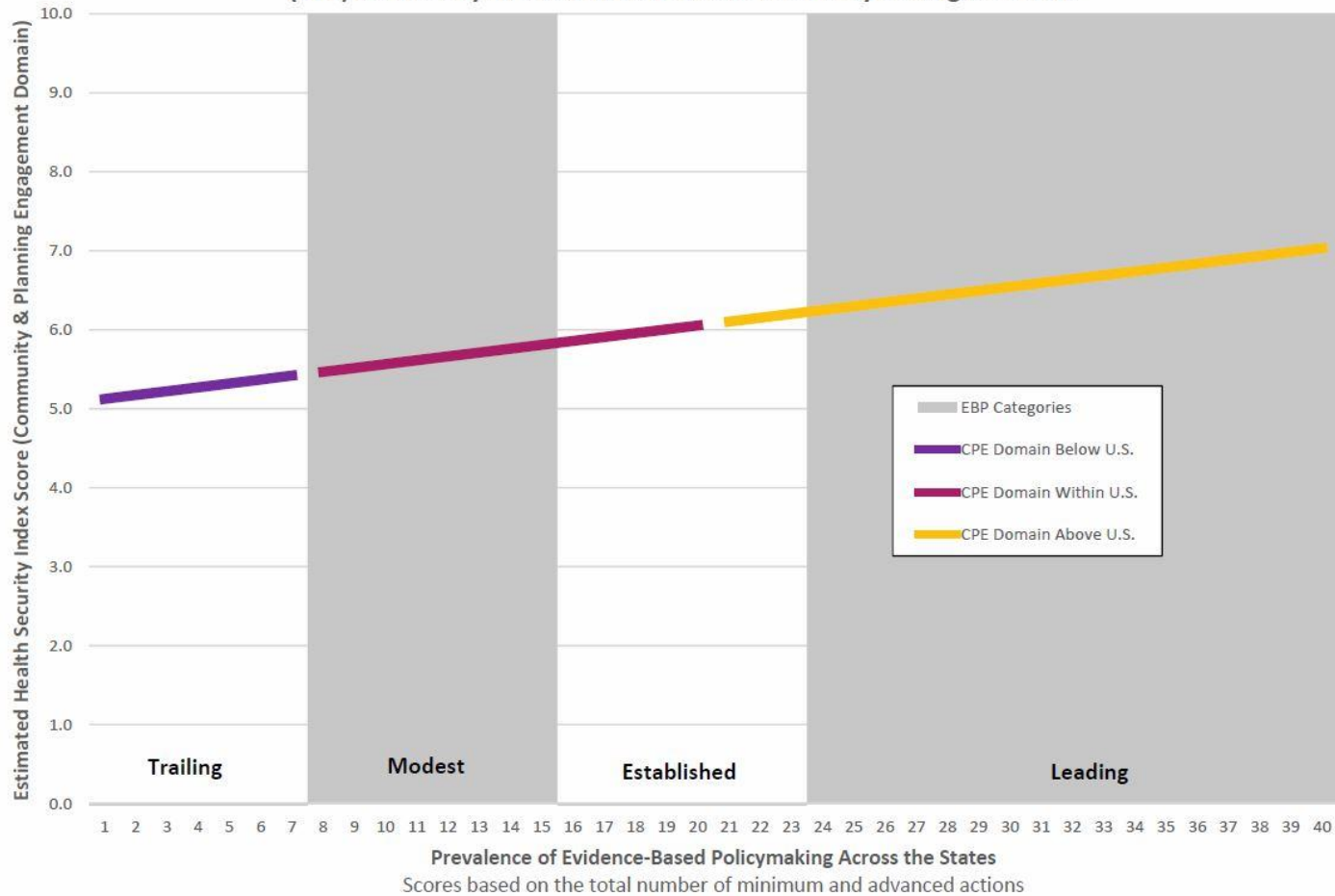
Community Planning & Engagement Domain

FIGURE 1—Health Security Index Score in the Community Planning & Engagement (CPE) Domain by the Use of Evidence-Based Policymaking in a State



Community Planning & Engagement Domain

FIGURE 2—Estimated Health Security Index Score in the Community Planning & Engagement (CPE) Domain by the Use of Evidence-Based Policymaking in a State



Evidence-Based Policymaking & Health Security

- The independent effect of EBP on Community Planning and Engagement is substantively and statistically significant
 - $CPE = f(EBP, PCIncome, \text{Long-term Financial Obligations, disaster experience})$
 - More EBP = Higher CPE
- Building support for evidence-based policymaking (source: Pew & MacArthur)
 - Facilitating dialogue
 - Creating strong data infrastructure
 - Building analytical and technical capacity

For More Information



National Program Office

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Systems for Action

National Coordinating Center

Systems and Services Research to Build a Culture of Health

