

# Federal Perspectives Community Resilience Indicators

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Land Use  
Planning



Economic  
Development



Natural Resources



Private  
Enterprise



Critical  
Infrastructure



Housing



Advocacy  
Groups



FEMA

Mitigation Framework Leadership Group



# MitFLG Subcommittee Effort



## Elements

- Indicators/Categories
- Proposed Data-Driven Measures
- Federal Data Access and Availability

## Indicator Criteria

- Focused on Community Resilience
- Grounded in Resilience Literature
- Relevant to Federal Programs/Interests



# National Preparedness System Alignment

## Mitigation and Recovery Core Capabilities

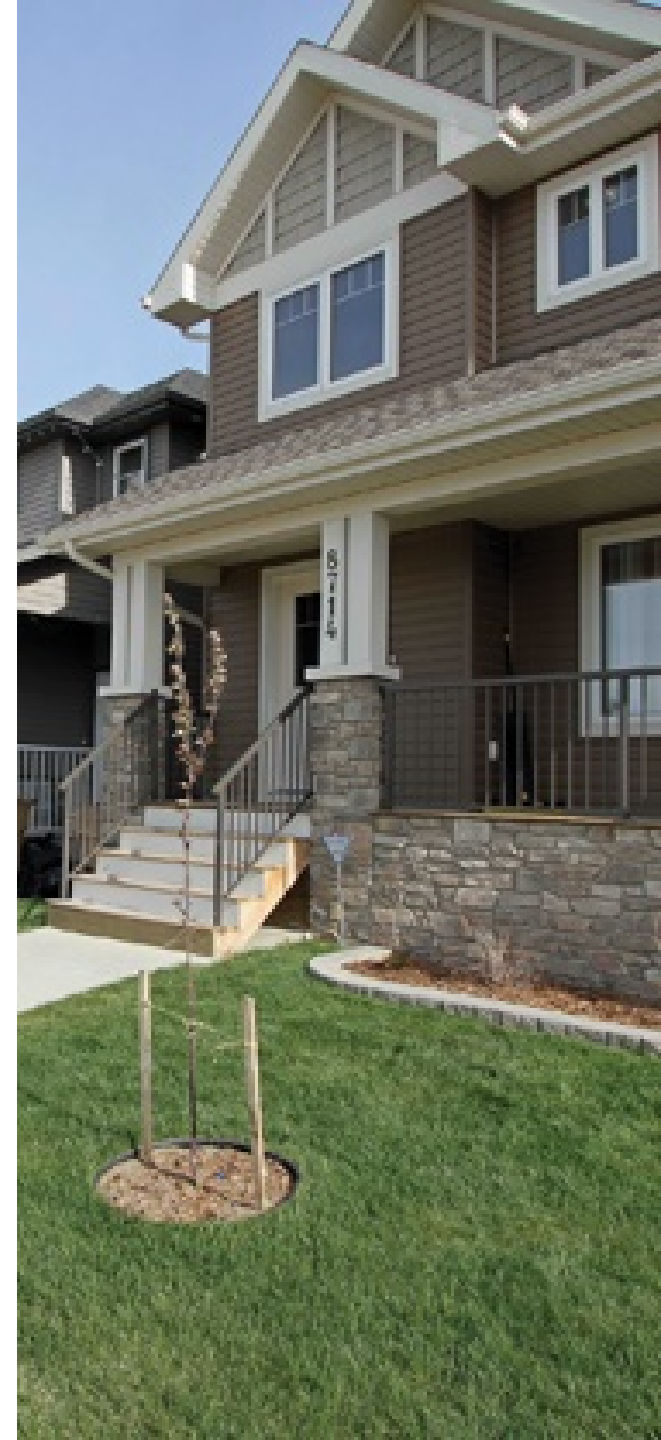
<b>Housing</b>	<b>Threats and Hazards Identification</b>
<b>Health and Social Services</b>	<b>Risk and Disaster Resilience Assessment</b>
<b>Economic Recovery</b>	<b>Planning</b>
<b>Infrastructure Systems</b>	<b>Community Resilience (Social Infrastructure)</b>
<b>Natural and Cultural Resources</b>	<b>Long-Term Vulnerability Reduction</b>





## Housing Affordability Resilience Rationale

- Households not overburdened by housing costs are able to invest in property enhancements, have financial flexibility for post-disaster uncertainties, and generally have more capacity to absorb and bounce back from unanticipated events.
- The availability of affordable and accessible housing affects the resilience capacity of vulnerable individuals and households, and is especially critical to effective disaster recovery at the community scale.
- Understanding and overcoming housing affordability and accessibility challenges improves community resilience capacity at multiple levels.





## **Risk Awareness Resilience Rationale**

- Based on scientific information about risks and vulnerabilities, risk awareness targets desired changes in individual behaviors or perceptions.
- Appropriately targeted risk awareness for specific actions/behaviors is critical. For example, risk awareness goals for local officials responsible for land-use regulations or building codes would be different from the risk awareness goals targeting household preparedness.
- Communities can improve resilience capacity through effective risk awareness strategies.

# Proposed National Level Measures

<b>Housing Condition</b>	<u>Proposed Measure</u> : Percentage of households living with at least one of four severe housing problems (5-year average)
<b>Housing Affordability</b>	<u>Proposed Measure</u> : Percentage of households that are cost burdened (monthly housing costs, including utilities, exceed 30 percent of monthly income)
<b>Health Care Availability</b>	<u>Proposed Measure</u> : Number of primary care physicians per 100,000 residents
<b>Healthy Behaviors</b>	<u>Proposed Measure</u> : Percentage of adult population not participating in leisure time physical activity



# Proposed National Level Measures

## Mit-FLG Community Resilience Indicators Project Data Viewer

This web viewer accompanies the "DRAFT Interagency Concept Document - Presenting a Concept for Community Resilience Indicators and National-Level Measures." It is intended to view and download key data sets associated with this document.

*It should not be considered a stand-alone product.*

Web Viewer



Indicator 21: Community Preparedness

Indicator 22: Mitigation Planning

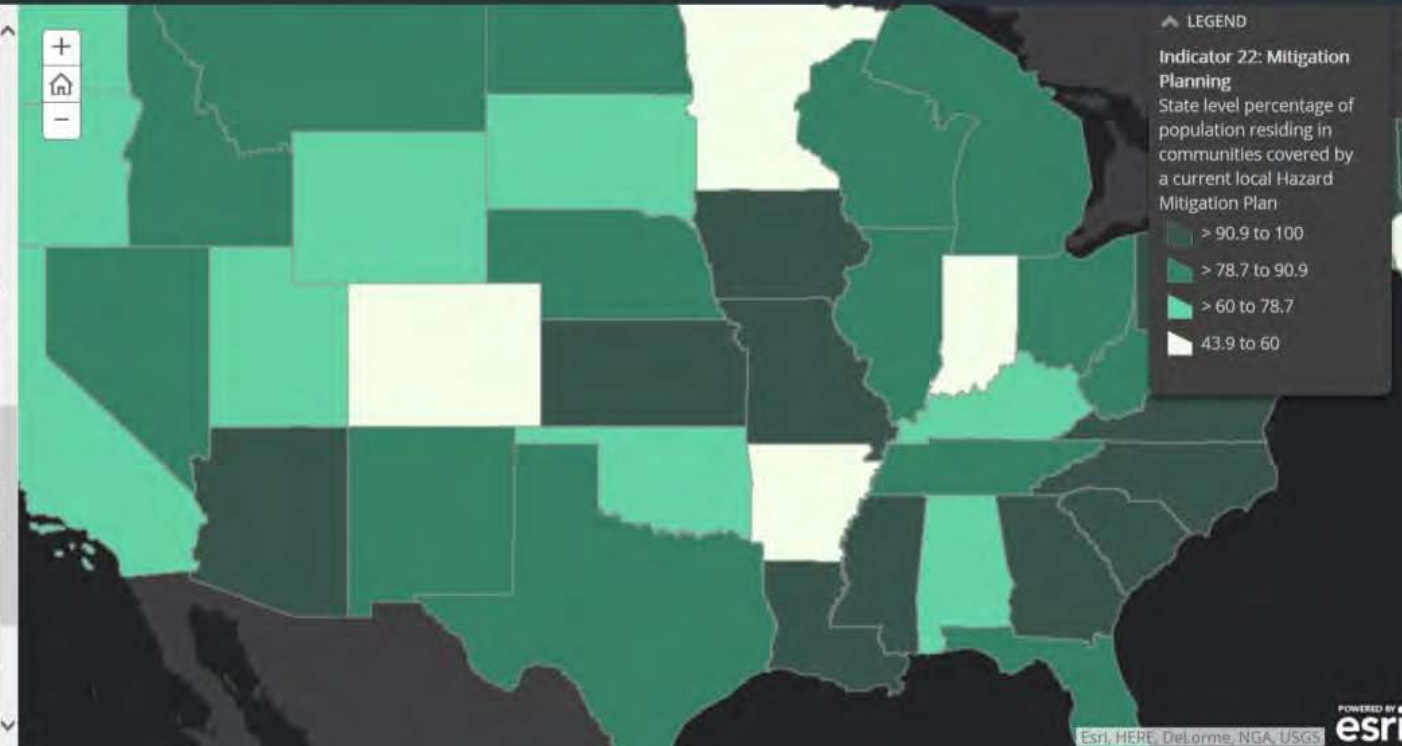
State level percentage of population residing in communities covered by a current local Hazard Mitigation Plan



Note: Areas of dark grey correspond to locations without indicator data available (N/A)

Indicator 25: Civic Capacity

Indicator 26: Building Codes





# Key Challenges



- Large bibliography and numerous ongoing projects
- Multiple audiences with different needs
- Scalability of metrics
- Hazard-specific risks and vulnerabilities
- Stakeholder concerns with federal measurement roles

# Context is CRITICAL



- Full indicator rationale descriptions too academic
- Brief rationale descriptions overly simplistic
- No one reads the caveats and cautions
- Everyone jumps to the metrics (maps and data)

