Indicators of Early Childhood Disaster Risk Using Data for Strategic Improvements in Emergency Preparedness International Society of Child Indicators Chicago June 27, 2007

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Save the Children

National Association of Child Care Resource and Referral Agencies





The Early Childhood Disaster Risk Index

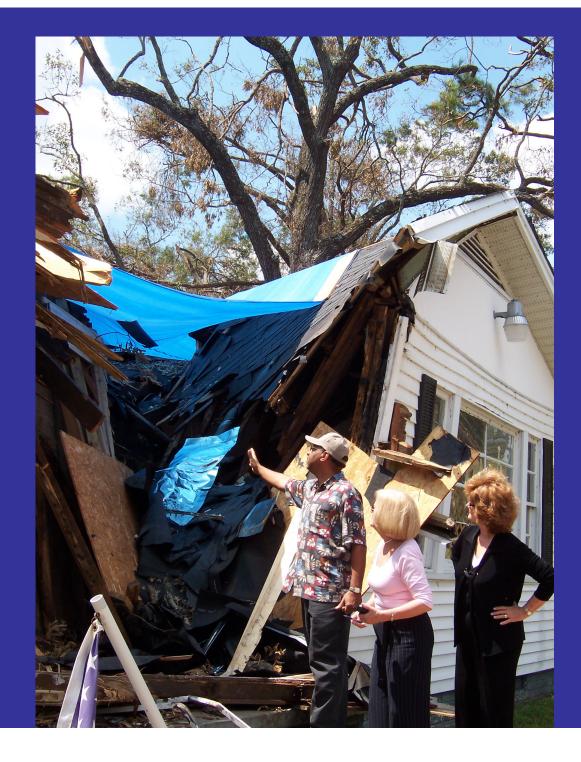
A tool for ranking the vulnerability of the early care and education sector to disasters







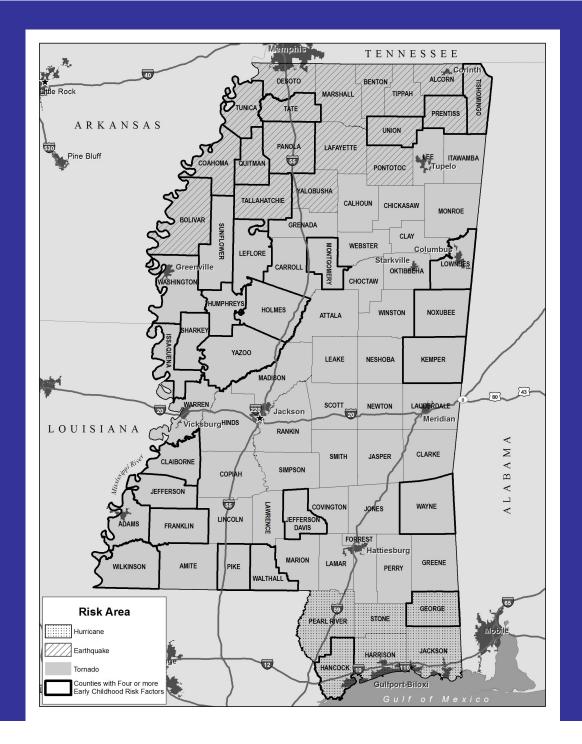




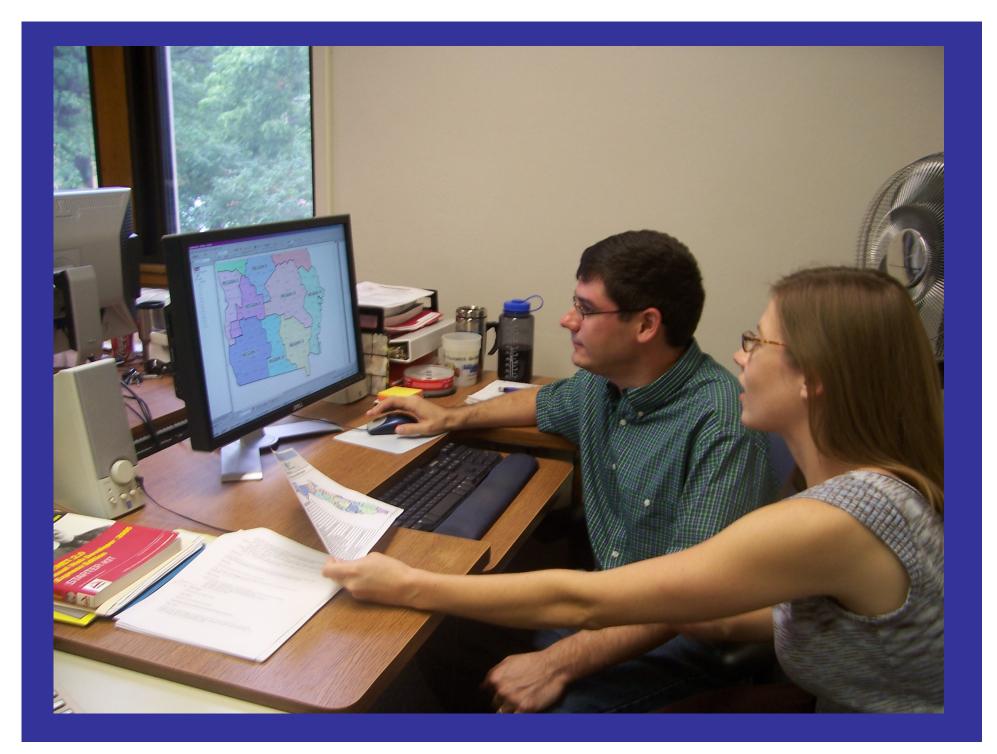












Categories of Indicators

- Young Child Well-Being
- Early Childhood Services
- Early Childhood Emergency Preparedness
- Disaster Risk Areas





Child Well-Being Indicators

- Percentage of Children Ages 0-4 in Poverty
- Percentage of Single-Parent Households
- Percentage of Third-Graders Scoring Proficient or Above on Reading Tests





Early Childhood Services Indicators

- Access to Licensed/Registered Child Care
- Access to Child Care Resource and Referral Services
- Statewide Child Care Quality Rating System





Early Childhood Services Indicators

- Proportion of high-quality child care slots in a geographic area
- Proportion of degreed early childhood teachers in a geographic area





Emergency Preparedness Indicators

- Mandatory Evacuation Planning for Licensed/Registered Child Care Providers
- Lack of Data-Sharing within Early Childhood Sector
- Lack of Data-Sharing between Early Childhood and Emergency Management Sectors





Natural Disaster Risk Indicators

- Hurricane Area
- Tornado Area
- Earthquake Area
- Volcano Area



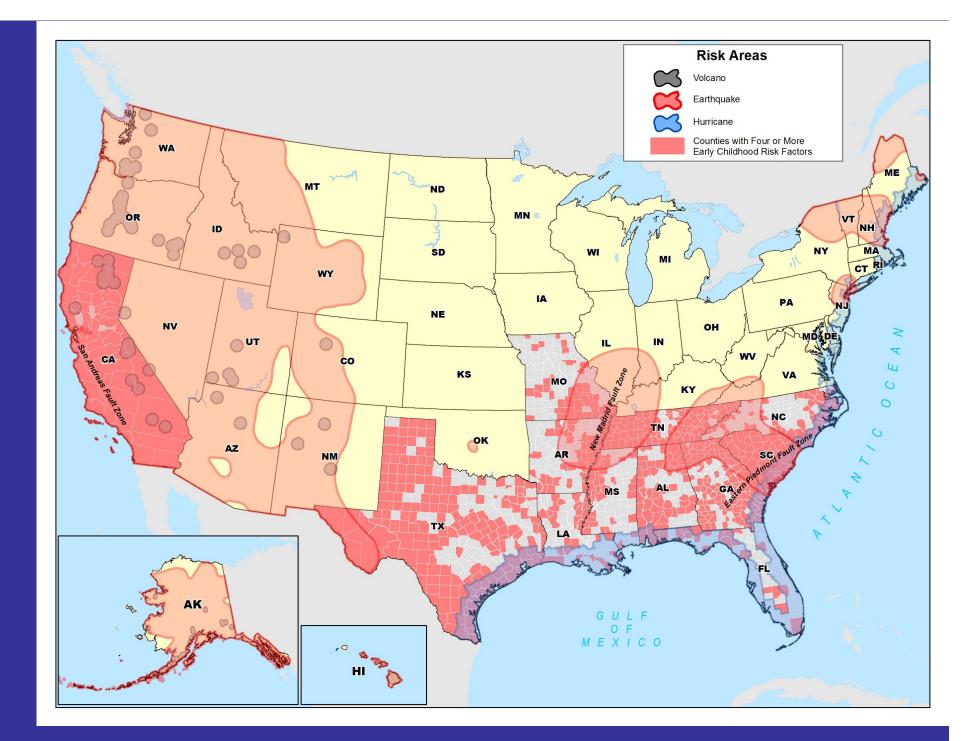


Technological Disaster Risk Indicators

- Risk Area for Chemical Incidents
- Risk Area for Terrorist Attacks







Numbers and Percentages Of Highly Vulnerable Counties

South Carolina	46	100.0
California	54	93.1
Tennessee	87	91.5
Georgia	122	76.7
Texas	188	74.0
Alabama	46	68.6
North Carolina	48	48.0
Arkansas	32	42.6
Louisiana	26	40.6
Mississippi	33	40.2
Missouri	41	35.6
Florida	21	31.3





Early Childhood Infrastructure

Child Care

- Licensed
- Registered
- Exempt

- Head Start
- Health and Nutrition
- Subsidized care
- Pre-kindergarten
 - School-based
 - State-funded







Disasters threaten young children's longterm social-emotional health



In turn, social-emotional trauma threatens learning and physical health



Restoring routines helps children cope ...

The Early Childhood Disaster Risk Index

- Identified four categories of vulnerability indicators for the early childhood sector
- Gathered data for specific indicators
- Ranked counties in 12 states according to number of indicators
- Designated counties with 4+ indicators as "highly vulnerable"
- Produced data about number and capacity of five types of early childhood services in highly vulnerable counties

earlychildhood.msstate.edu/atlas



