

Evacuation Planning: The Achilles Heel of Disaster Readiness

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Five Key Points:

1. **Will Expectation be Orchestrated or Spontaneous Evacuation?**
 - Evacuation should not be conceptualized only as the government bringing in buses and taking people to shelters.
 - Rather, the vast majority of people evacuate on their own, in their own vehicles.
 - Where do they go?
 - What are the implications for the host communities?
2. **Every evacuation is a public health challenge/crisis**
 - Evacuees: Health/ Public Health Perspective
 1. Separation from loved ones, dependents
 2. Extreme “return uncertainty”
 3. End of “normalcy”
 4. Loss of possessions
 5. Loss of pets
 6. Injuries: blunt trauma, radiation, burns, shock...
 7. Hunger, thirst
 8. Acute evacuation trauma: Motor Vehicle Accidents (MVA)
 9. Acute illness: MI, CVA, Acute respiratory problems
 10. Complications of chronic disease: DKA, severe hypertension
 11. Loss of medication (and critical device) access
 12. Disoriented, terrified
3. **Pre-disaster vulnerabilities represent critical variables**
 - How many people (in U.S.A)?

<ul style="list-style-type: none">○ Children: 75 million○ > 65 years old: 40 million○ Significant chronic illness: > 120 million○ People with disabilities, age 21 – 64: 22 million	<ul style="list-style-type: none">○ Living in poverty: 44 million○ Undocumented: >11 million○ Prison population: > 2 million○ Nursing homes: 1.5 million
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 - ...*Vulnerable Individuals/ Population > 50% of U.S.A.*
4. **Host Community Needs Must be Accounted for (and Resourced)**
 - To-do list for host communities

<ul style="list-style-type: none">○ Shelter○ Sanitation○ Reliable supply chains: food, water, medicines, diapers, cribs○ Communications & messaging○ Public Safety○ Re-unification	<ul style="list-style-type: none">○ Medical-care: acute, chronic, mental health support, in-patient care○ Educational continuity & day care○ Permanent housing○ Language and cultural accommodations○ Special populations: prisoners, nursing home residents
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5. **Competency of Evacuation Planning Cannot be “Out of Scope” in Evaluating Relicensing of Nuclear Power Plants**
 - “Right now, what I just told you – every word of it – cannot be used to not certify a new plant or recertify an old plant.”