Earthquake Survivability: Urban Search and Rescue perspective

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Research: Time to rescue survival times

How long can one survive entrapped?

Why is this question important?

Anecdotes

“Golden 48 Hours”

“Rule of Fours”

Evidence

Medical literature

Engineering literature

Media sources

“Perishable Data”
Examples of factors affecting survivability (entrapped)

- Victim injury during collapse
- Victim pre-existing conditions
- Survivor behavior
  - Micro-climate
    - Air
    - Temperature
    - Ability to move
- Access to food/water
- Availability of medical care during extrication and after
- Survivor location
- Structure type and void space formation
Pre-existing factors to examine: There are no “quick fixes”

- Structural integrity
- Domestic resilience
- Local and international response