Building, Repairing, and Connecting Social Support Networks Across Boundaries

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#EveryKitShouldHaveLB

Prepare an Emergency Kit for your home, work, and car.
Trust, neighbors, networks

government representative, non governmental agency, or authority figure

Linking Social Capital (across vertical gradients)

Bonding Social Capital (within networks)

Bridging Social Capital (between networks)

Neighborhood A

Neighborhood B
10 minute breakout session

• Please work with your group to try to map the networks you and your organization work with

• Are these ties bonding, bridging, or linking?

• Can you remember times that these times have activated or times when you weren’t able to effectively coordinate because of a lack of ties?
Exit vs. Voice
Collective Action

ORGANIZE!
Informal Insurance
Evacuation

Displacement from Hurricane Irma

September 4, 2017

September 6, 2017

September 8, 2017
Factors Associated with Evacuation

Hurricane Harvey

Hurricane Irma

Hurricane Maria

Bonding
- Group 2 (Fewer)
- Group 3
- Group 4

Clustering
- Group 5
- Group 6
- Group 7
- Group 8 (More)

1st Degree
- Group 5
- Group 6
- Group 7
- Group 8 (More)

Bridging
- Group 2 (Fewer)
- Group 3
- Group 4

BCC
- Group 5
- Group 6
- Group 7
- Group 8 (More)

2nd Degree
- Group 5
- Group 6
- Group 7
- Group 8 (More)

Linking
- Politician Followers 1-2
- 2

Demographics
- Gender Male
- Unknown
- 13-17
- 18-24
- 25-34
- 45-54
- 55-64
- 65+

Odds Ratio (Log Scale)
Survival
Survival not well correlated with height
Theories of Survival
Social Networks Critical in Survival

Predicted mortality during the tsunami vs. Strength of bonding ties
<table>
<thead>
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<th>CITY</th>
<th>IMMEDIATE CONDITIONS ON 3/2011</th>
<th>2 YEARS AFTER DISASTERS</th>
<th>3 YEARS AFTER DISASTERS</th>
<th>DIFFERENCE IN RECOVERY</th>
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</table>

**Point Scale: 0 – 100**

0 – All Systems Offline

100 – Everything Operational
Recovery: Rebuilding Ishinomaki
Recovery: Clean up in Sendai
Coastal City
Linking social capital critical in recovery

Number of Powerful Politicians Before the Tsunami
Pattern 1. Resistance

Pattern 2. Resilience

Pattern 3. Recovery

Pattern 4. Remitting

Pattern 5. Delayed dysfunction

Pattern 6. Chronic dysfunction

Pattern 7. None of above six patterns
Futaba town and Evacuation Orders
Income and health do not affect K6 scores
Social capital serves as a shield against mental illness.
Case Rates

- No Active Cases
- Active Cases

mean case rate, while line-ranges show standard deviation around
Tools for Building Resilience
Our experiment in Japan, Philippines, and Nepal: Ibasho
Ibasho broadens networks and deepens efficacy
2 Minute Resilience Pause

• Think of the ways we have discussed to build social capital in your community
• What might work? Which haven’t work?
How to Survive and Thrive Before, During, and After a Crisis?

Horizontal ties critical in survival and mental health recovery

Vertical ties important during evacuation and rebuilding

These ties can be built