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The Benefits, Challenges, and Opportunities of Electronic Health Data during Response (and Day to Day)

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The Nationwide Health Information Network

- Health Bank or PHR Support Organization
- State and Local Gov
- Community Health Centers
- Community Health Centers
- Labs
- Integrated Delivery System
- Pharmacies
- Community #1
- Community #2
- The Internet

Standards, Specifications and Agreements for Secure Connections
If you can’t do it during a normal situation, you won’t be able to do it during a disaster.
“How are the hospitals doing?”
How are the hospitals doing?

Healthcare Situational Awareness-Understanding the capabilities, capacity, and stress on healthcare organizations in a given geographical area.
Everybody wants to know…

- What hospitals are open/closed?
- Who is evacuating/sheltering-in-place?
- What hospitals are on auxiliary power?
- At capacity, near capacity, how many more patients can they take?
- What is the critical care capacity? Pediatrics?
- How many ventilators do they have?
- Do they have adequate supplies? What is running out?
- Are the staff able to get to work?
The partnership creates the value proposition.

*They decide:*
- what cards they will show,
- to whom they will show them,
- under what circumstances they will show them,
- how the information can, and cannot, be used.
What else might greater healthcare situational awareness enable?

- Regional understanding of healthcare resources and gaps
- Geographic variation in healthcare cost, quality, outcome
- Supply chain and drug shortage analysis
- Specialty care demand, referral patterns, and regionalization of limited resources
- Regional healthcare workforce planning and analysis
- Patient safety research
- Population health research
- More informed local healthcare resource planning
- More informed private sector service line analysis, investments, and expansion.