Opportunities for Enhanced Resilience through Technology: Aggregate and Individual Patient Focus

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Emergency Preparedness & Resilience through the Health IT Infrastructure

- **Progress & align standards-based interoperability: Direct, C-CDA**
  - Leverage the eHealthExchange & S&I Framework SDC Initiative

- **Establish API/EHR open architecture integration**
  - Link emergency preparedness centers (state/fed gov) with ERs/ emergency responders
  - Create minimum "content" & "transport" standard as well as best practice guidelines for interoperability and scalability

- **Expand mobile EHRs, patient portals & PHRs** (Blue Button®)

- **Create national patient identifier/data linking**
  - CommonWell Health Alliance priority

- **Discourage state & local proprietary standards & interfaces**

From ARRA to ACA Framework for HIT Resilience

- **ACA Health Center Controlled Networks - $21 million, 43 networks**
  - To support EHR and meaningful use adoption; opportunity to instill resilient infrastructure (Direct, C-CDA, Blue Button®)

- **ARRA HIE Cooperative Agreement Program - $564M**
  - Funded state, regional HIEs now forming preparedness and response networks
    - **Southeast Regional HIT and HIE Collaboration (SERCH)**
      - Network of 10 HIEs: care coordination, emergency and disaster recovery
    - **Michigan Health Connect HIE** (67 hospitals, 1600 practices): linkage with EMS, Fire Depts
    - All utilizing Direct protocols (meaningful use Stage 2 standard)

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Further Leveraging the Affordable Care Act

- **ACA Patient Centered Outcomes Research Institute (PCORI) - ~$5B**
  - Includes funding to establish data infrastructures to create, disseminate and implement research evidence and practices
  - Encourage PCORI research on emergency healthcare and IT
    - Use Cases with PPRNs & CDRNs

- **ACA Prevention and Public Health Fund - ~$10B through FY19**
  - Stated goals (in part): Public Health Research and Tracking; Lab and Immunization Expansion
    - Bridge with PCORI Research RFPs

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Bridging National Preparedness & Prevention Priorities

Influenza Immunizations and Registries

EHRs & Public Health

- ◉ **Opportunities:**
  - – ACA Prevention and Public Health Fund
    - – Immunization expansion goal
  - – ONC/CDC Public Health-EHR Vendor Collaboration Initiative (expand beyond meaningful use Stage 2 compliance)
  - – Expand influenza reporting through the EHR to CDC's ILINet

- ◉ **Barriers:**
  - – Lack of comprehensive Syndromic Surveillance standards in meaningful use Stage 2 for ambulatory setting

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Thank you

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