Situational Awareness for Novel Epidemic Response

The SANER Project
The Situation Awareness for Novel Epidemic Response Project (a.k.a., The SANER Project) was launched by Audacious Inquiry in response to concerns from public health departments, health information exchanges supporting public health, and inquiries from public health officials at the regional, state and Federal level in the US.

Project Goals and Deliverables
It is the technical part of a multi-pronged effort to develop a workable, quickly deployable, national approach for situational awareness. The initial short-term goals of this project are three fold:

Short Term Goals
1. Quickly develop an FHIR Implementation guide that will support communication of essential situation awareness data for consumption by public health.
2. Test the ability of systems to use this specification.
3. Pilot test systems implementing the specification in real world settings.

Long Term Goals
Longer term goals of the project include:
1. Development of US Standards for Exchange
2. National Directory of Supporting Endpoints
3. Public Health and Safety Health Measure Registry

Project Timeline
The project was started March 20th, 2020. Because of the rapidly changing situation, the timeline is not fixed and will adjust as the situation demands. Highlights of our planned activities are included below.

March (Delivered)
- Draft Specifications (100 pages)
- 22 CDC and NHSN Measures
- 2 FHIR Servers and Sample Data

April
- Implementation
- Test Event Planning
- Pilot Recruiting Begins

May
- Test Event
- Directory Planning
- Measure Registry Implementation

June
- Pilot
- Directory Implementation

July
- Directory Deployment
Deliverables

Deliverables of this project include:

1. Definitions of Measures for CDC, FEMA and other reporting requirements
2. Interfaces supporting existing reporting formats:
   a. CDC National Healthcare Safety Network COVID-19 Module in CSV Format
   b. FEMA Template for Daily Hospital COVID-19 Reporting
   c. Oasis Open HAVE 1.0 and HAVE 2.0
3. FHIR Server images integrating data from these sources.

Project Contributors

A complete list of project contributors can be found on the project signup page. Contributing vendors to this project include:

- EHR Vendors (Allscripts, Cerner, Epic, Meditech, Nextgen),
- Healthcare Equipment Manufacturers (GE Healthcare)
- HIE and supporting suppliers (Audacious Inquiry, Carequality, NYeC, Ready Computing)
- Infrastructure vendors (Lyniate, Microsoft, Nextgen),

Liaisons

The project has liaisons assigned to it by the following organizations:

- CDC National Healthcare Safety Network (NHSN)
- HIMSS EHR Association
- Health Level 7
- Integrating the Healthcare Enterprise
- OASIS Open

The project is reaching out for engagement from national and state level public health and public safety organizations including:

- Association of State and Territorial Health Officials (ASTHO)
- Federal Emergency Management Agency (FEMA)
- National Association of State EMS Officials (NASEMSO)
- National Emergency Medical Services Information System (NEMSIS)

For More Information

For more information about The SANER Project please contact the following:

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About Audacious Inquiry

Audacious Inquiry (Ai) is an industry-shaping health information technology and policy company that provides bold solutions for connected healthcare. Nationally recognized for its work to facilitate health data interoperability, Ai is a trusted partner to CMS, ONC, state Hospital Associations and Medicaid agencies across the country. The company delivers a cloud-based software as a service platform that is the catalyst for secure and smart health information exchange among physicians, hospitals, health plans, ACOs, MCOs, and public health agencies across 12 US states. Ai is raising the bar for how health data is shared, managed, and protected.