

# CDC Health Information Innovation Consortium November Forum

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Tuesday, November 10, 2015

2:00-3:00pm EST

Chamblee Building 106, Room 1A + Adobe Connect



Centers for Disease Control and Prevention

Office of Public Health Scientific Services

## **Agenda**

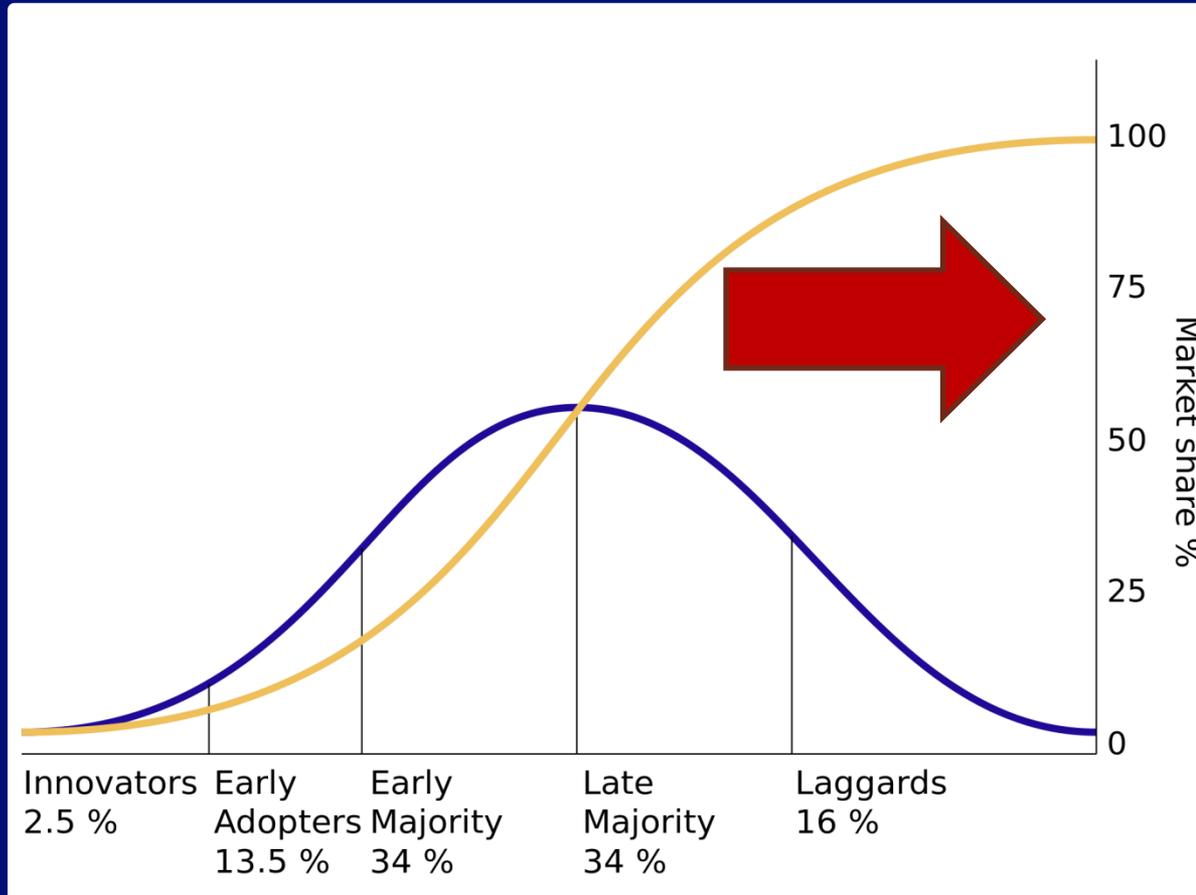
- **Presentation - “The U.S. National Antimicrobial Resistance Monitoring System (NARMS)” – Julian Grass, MPH and Byron Douglas**
- **CDC Surveillance Strategy Innovation Projects 2016 Schedule**
- **Timeline for Proposals**
- **Items of Interest**
- **General Discussion**

## 2016 Surveillance Strategy Innovation Projects Goals

- Identify and accelerate emerging tools and approaches to improve public health surveillance.
- Foster and promote creative solutions to surveillance challenges faced by CDC public health programs and STLT partners.
- Share results and lessons learned across public health community.

Reference: CDC Surveillance Strategy [\[link\]](#)

# We're Shifting CDC's Culture of Innovation?



1. Connect the Innovators to the Early Adopters
2. Support the Early Adopters to the Early Majority
3. Shift time for adoption curve

## 2016 Surveillance Strategy Innovation Projects

- Sponsored by OPHSS to support surveillance strategy
- Third annual portfolio [\[2014 and 2015 Portfolios\]](#)
- Portfolio of small projects vs. investing in “one really good idea”
  - Experiments
  - Multi-staged Projects
  - Prototypes / Pilots of Shared Services
  - Minimum Viable Products
  - Evaluations & Assessments
  - Extensions

## 2016 Surveillance Strategy Innovation Projects

- Total portfolio up to \$250k
- 5-12 Individual projects of \$10-50k each
- Flexible project schedules
  - Projects last 3-6 months
  - Must start before July 31, 2016
  - Finish date dependent on project needs
- **Explore and answer a distinct question and provide validated learning**
  - if successful, provide insights or tools that can be generalized to other surveillance systems or activities; or
  - if unsuccessful, provide lessons learned that can be applied to future projects (i.e., failure can still be useful)
- **Independently valuable, but extensible (i.e., accretive)**

## Selection Process

- **To align projects with center priorities each project should first gain approval by:**
  - Supervisor and Division/Center leadership
  - Division/Center Management Official
  - Division/Center Associate Director for X
- **CHIC Advisory Group will review project proposals and present recommendation to OPHSS Director based on:**
  - Innovation
  - Implementation
  - Impact

X = Informatics, Science, Policy

## **Project Characteristics Requested**

- **Improve effectiveness or efficiency of existing surveillance systems by leveraging emerging information technology, and/or novel approaches**
- **Advance innovation on a specific priority area related to:**
  - Shared Services, Interoperability and Application Programming Interfaces (API)
  - Collaboration and Communication
  - Data Management, Analysis and Visualization (Cleaning, Munging, Provisioning, etc.)
  - Emerging standards
  - Privacy & Security
  - Decision Support / Algorithms / Machine Learning

## CHIIC Resources for Awarded Projects

- Memorandum of Understanding (MOU) of funding
- User-Centered Design Brainstorming Session(s) [\[link\]](#)
- Evaluation Support
- Communication Support

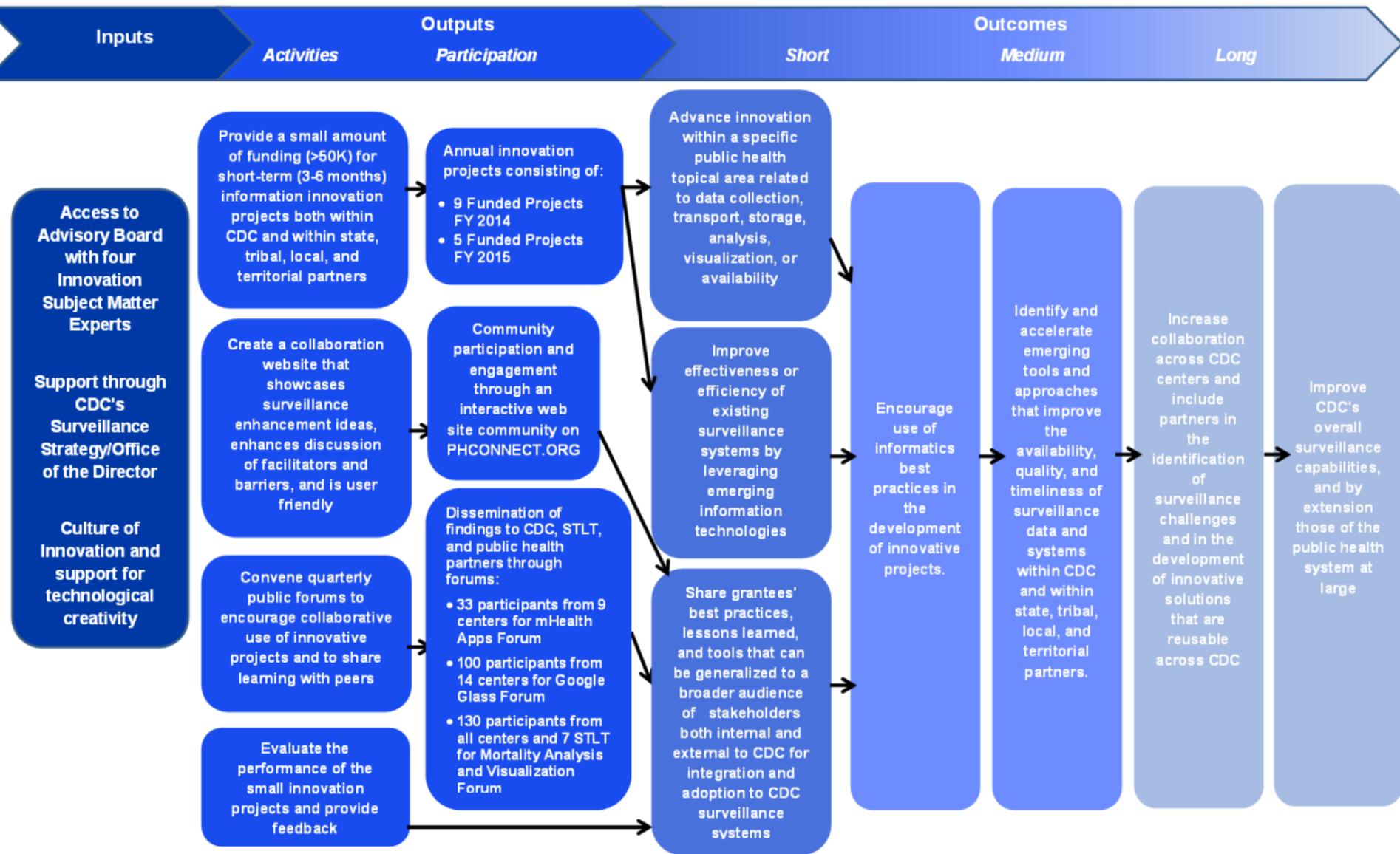
## Project Outputs

- **Specific outputs vary depending on nature of project**
- **Upon project completion, each project will share lessons learned with:**
  - Program perspective of problem that is being tested
  - Context of the project and its stakeholders
  - Results and what was learned
  - Opportunities for reuse within other programs
  - Potential enhancement areas for add-on work
- **Each project will complete self-evaluation**

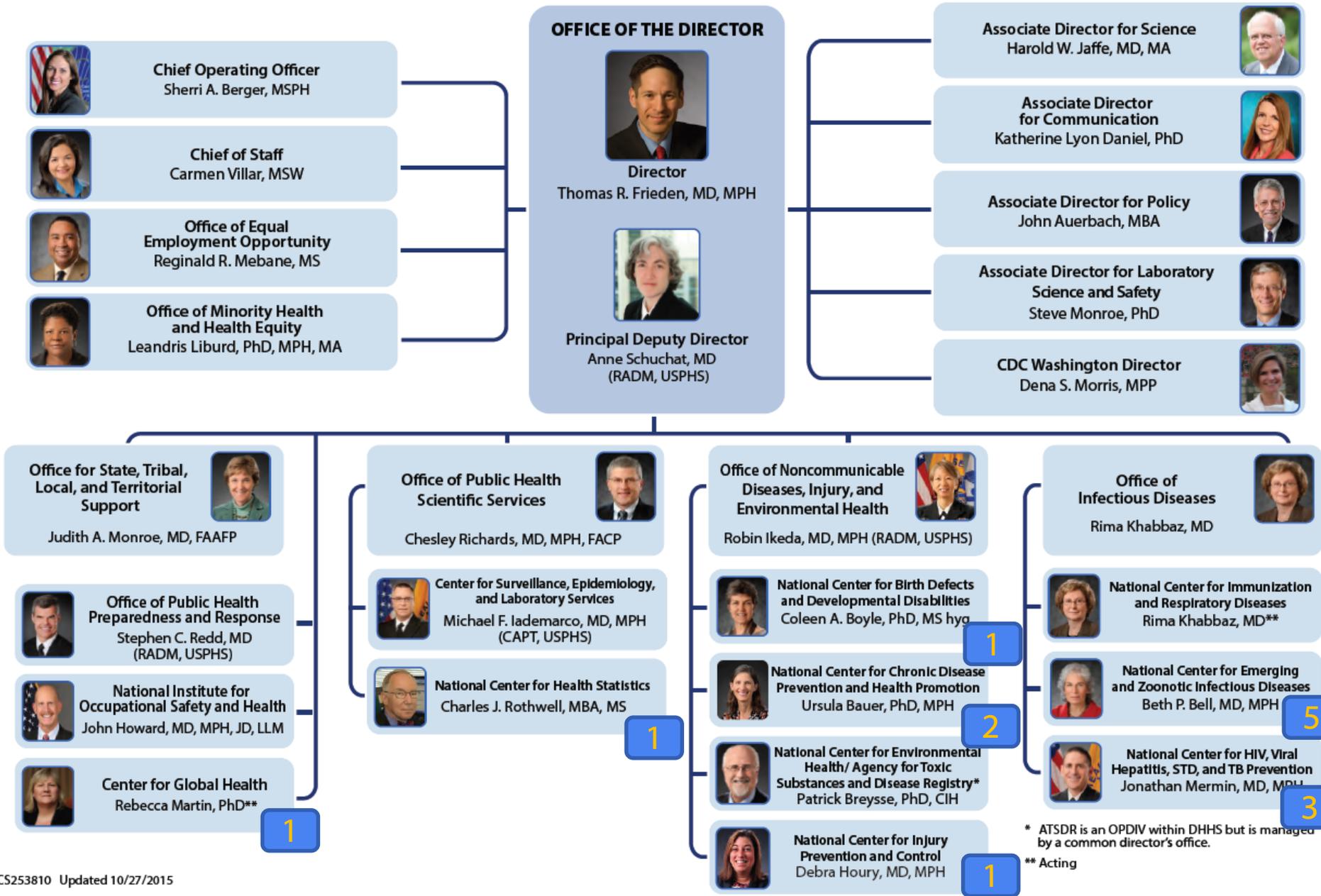
## Evaluation Framework

- **Direct evaluation of individual projects by PI**
- **Feedback loop to improve CHIC structure and methods**
- **Self-evaluation tool based on logic model with questions in four component areas:**
  - Innovation
  - Implementation
  - Impact
  - Feedback
- **Results incorporated into communication material (blog, CDC connects article, web site, press, etc.)**

Centers for Disease Control and Prevention's Health Information Innovation Consortium (CHIC) Logic Model



# Example Projects from Previous Portfolios





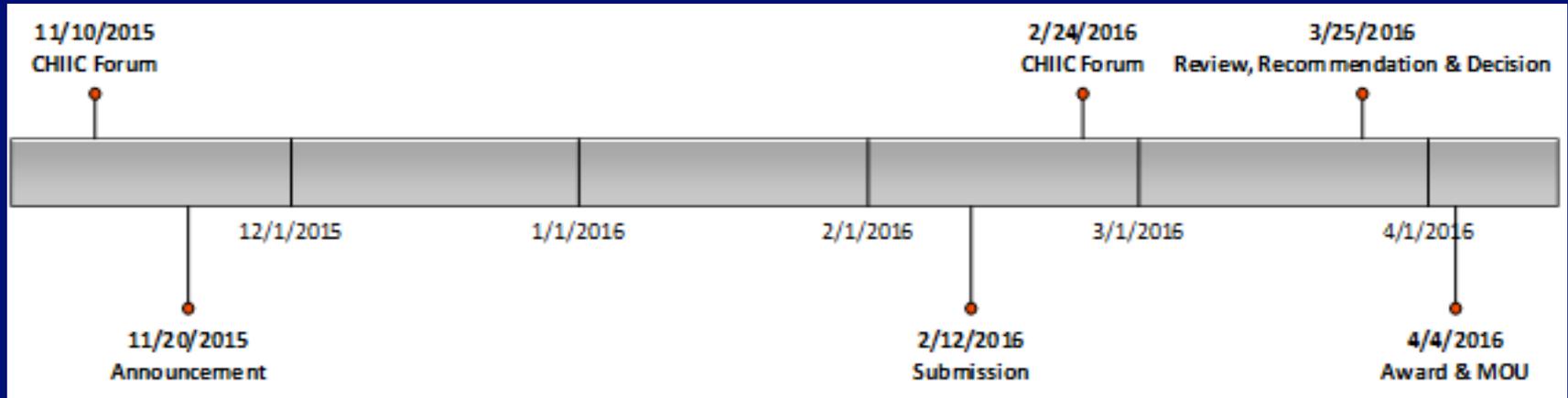
## Example Projects from Previous Portfolios

- Early Hearing Detection & Intervention (EHDI) Interoperability Pilot Site Project [\[link\]](#)
- Emerging Infection Program Web Service [\[link\]](#)
- Synthetic Patient Dataset for the Determination of Ventilator-Associated Events in Electronic Health Record Systems [\[link\]](#)
- NCHHSTP Mobile Atlas (NMA) [\[link\]](#)
- NARMS Now: Human Data [\[link\]](#)
- More examples on phConnect.org [\[link\]](#)



## 2016 Submission Timeline

- November 20, 2015 – Call for Proposals
- February 12, 2016 – Proposals due
- April 4, 2016 – Notification of Award, MOU



## More information

- <http://intranet.cdc.gov/ophss/chiic.html>
- <http://www.phconnect.org/group/chiic>
- <http://www.phconnect.org/group/chiic/page/surveillance-innovation-projects>
- 2015 Proposal Submission Template [\[link\]](#)
- 2015 Surveillance Strategy Innovation Projects Call for Proposals [\[link\]](#)

## Items of interest

- Govathon: A City of Atlanta Civic Hackathon 11/14-15 @Atlanta Workforce Development Agency [\[link\]](#)
- A Vision For ePublic Health & Informatics – NACHHO seminar on the CDC's informatics vision of the future from 1995 [\[link\]](#)
- SciComp Training – Git, Cluster Computing, Linux – Various dates @Roybal [\[link\]](#)
- JohnsHopkins / Coursera Training – Data Science Specialization – 9 Online Courses started on November 2 [\[link\]](#)

# Thank you & Questions

**For more information please contact Centers for Disease Control and Prevention**

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Visit: [www.cdc.gov](http://www.cdc.gov) | Contact CDC at: 1-800-CDC-INFO or [www.cdc.gov/info](http://www.cdc.gov/info)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



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