CDC Surveillance Strategy

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CSTE Surveillance Practice and Implementation

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CDC Director's Charge: Surveillance Strategy

- **The <u>Strategy</u> should lay out a <u>plan</u> to address 4 key issues:**
    - Improve availability and timeliness of surveillance data to CDC programs, STLT agencies, and other stakeholders (public data)
    - Advance effective use of emerging information technology including electronic health records, mobile technologies, and cloud computing
    - Identify and amend or retire ineffective or unnecessarily redundant CDC surveillance systems
    - Maximize the effectiveness of available agency resources devoted to surveillance and the performance and coordination of our surveillance systems.

FY 2014 Omnibus Appropriations

- Signed by President on Friday January 17, 2014
- Report language: Congress requested

- *"…the Director of CDC is directed to work with State and local health officials to submit a report to the House and Senate Appropriations Committees no later than 180 days after enactment of this act…*

- Due Date to Congress: July 17, 2014

FY 2014 Omnibus Appropriations (continued)

- *Opportunities for consolidating the various data collection systems in CDC including:*

  - *opportunities and costs*
  - *advantages and barriers*
  - *projected timeline to such a consolidated data reporting system, along with recommendations for adoption*
  - *full consideration of a single Web-based data collection information technology platform*

- *The Surveillance Strategy will, in part, respond to the Congressional request*

Surveillance Strategy Development Process

Surveillance Strategy Workgroup

- 3 meetings
- Substantial input

Agency Deputies and Senior Leaders

External input from key stakeholders including ASTHO and CSTE

Review with Dr. Frieden

SURVEILLANCE STRATEGY WORKGROUP
Annest, Lee (CDC/ONDIEH/NCIPC)
Autry, Andrew (CDC/ONDIEH/NCBDDD)
Berman, Stuart (CDC/OID/NCHHSTP)
Briss, Peter (CDC/ONDIEH/NCCDPHP)
Cardo, Denise M. MD (CDC/OID/NCEZID)
Groseclose, Samuel L. (CDC/OPHPR/OD)
Jernigan, Daniel B. (CDC/OID/NCIRD)
Pinner, Robert W. (CDC/OID/NCEZID)
Pollock, Daniel (CDC/OID/NCEZID)
Rhodes, Barry (CDC/OID/NCEZID)
Weinstock, Hillard (CDC/OID/NCHHSTP)
Seligman, James D. (CDC/OCOO/OCIO)
Rothwell, Charles J. (CDC/OSELS/NCHS)
Murrill, Christopher S. (CDC/CGH/DGHA)
Schnorr, Teresa M. (CDC/NIOSH/DSHEFS)
Kitt, Margaret (CDC/NIOSH/OD)
Dowling, Nicole (CDC/ONDIEH/NCBDDD)
Soucie, Mike (CDC/ONDIEH/NCBDDD)
Qualters, Judy (CDC/ONDIEH/NCEH)
Sosin, Dan (CDC/OPHPR/OD)
Horton, D. Kevin (ATSDR/DTHHS/EHSB)
Fox, Jared (CDC/OD/OADP)
Meyer, Pamela (CDC/OSTLTS/OD)
Richardson, Lisa (CDC/ONDIEH/NCBDDD)
Zaza, Stephanie (CDC/OPHSS/OD)
Roush, Sandra (CDC/OID/NCIRD)
Sweeney, Marie (CDC/NIOSH/DSHEFS)
Iademarco, Michael (CDC/OPHSS/CSELS)
Messonnier, Nancy (CDC/OPHSS/CSELS)
Yoon, Paula (CDC/OPHSS/CSELS)
Martin, Tonya D. (CDC/OID/OD)

Surveillance Strategy Goals

Goal 1: Enhance the accountability, resource use, workforce and innovation for surveillance at CDC and in support of STLT agencies

Goal 2: Accelerate the utilization of emerging tools and approaches to improve the availability, quality, and timeliness of surveillance data

Goal 3: Through cross-cutting agency initiatives, improve surveillance by addressing data availability, system usability, redundancies, and incorporation of new information technologies in major systems or activities

Goal 1: Enhance the accountability, resource use, workforce and innovation for surveillance at CDC and in support of STLT agencies

- **CDC Surveillance Leadership Board (Apr 2014)**
  - Guidance and assessments of progress toward achieving CDCs broad strategic goals on surveillance

- **Workforce Plan (Sept 2014)**
  - develop a CDC and STLT workforce training and support plan for surveillance and informatics

- **CDC Health Information Innovation Consortium (May 2014)**
  - foster and promote creative solutions to surveillance challenges in CDC programs and STLT agencies

Goal 2: Accelerate the utilization of emerging tools and approaches to improve the availability, quality, and timeliness of surveillance data

- **HIT policy engagements (immediate)**
  - Staffing: Senior Policy Advisor, Chief Public Health Informatics
  - Work with CDC-W, OADP and other policy offices
  - Engage ONC, CMS, HHS on informatics/data innovation
- **Strategic HIT vendor engagements (May 2014)**
  - Vendor Forum
- **Support for innovative informatics projects (FY 2014)**
  - Small project awards (25-50K), technical support
  - Guided by CHIC
  - Assist existing systems with more rapid innovation as well as developing new approaches

Goal 3. Improve surveillance through cross-cutting initiatives

Initiative 1. Modernize National Notifiable Diseases Surveillance System (NNDSS)

- **Performance Objective**: By 2016, 90% of data reported through NNDSS will be by standard HL7 messages, thereby enhancing timeliness, standardization, availability and usability by CDC programs and STLT agencies

Initiative 2. BioSense Enhancement Initiative

- **Performance Objective:** By mid-2015, BioSense will provide public health situational awareness utilizing EHR data and active CDC and STLT analyses that support public health decisions and programs at the local, state, and national level.

Goal 3. Improve surveillance through cross-cutting initiatives (continued)

Initiative 3. Accelerate Electronic Laboratory Reporting

- **Performance Objective:** By 2016, 80% of laboratory reports to public health agencies (CDC, States) will be received as electronic lab reports.

Initiative 4. Accelerate Electronic Mortality Reporting

- **Performance Objective:** By 2016, 80% of death reports occurring in at least 25 states will be transmitted electronically with specified causes of death to public health within 1 day of registration and to CDC/NCHS (i.e., cause of death) within 10 days

How will the Surveillance Strategy help us do our work?

- Senior leadership strategic engagement and direction on surveillance approaches and investments

- More effectively harness and support program and STLT initiated innovation and integrate with other agency efforts, particularly in informatics

- Short term (12-18 months) improvements in major cross cutting systems

How will the Surveillance Strategy assist with Congressional Response?

- **Congressional response**
  - consolidated data reporting system
  - full consideration of a single Web-based data collection information technology platform

- **The Surveillance Strategy will**
  - set the stage for reducing the number of systems and improving functionality and resource utilization
  - help us to address stakeholder concerns on data availability, burden, resource use and value

Next Steps

- **Underway**
  - Initiatives
  - Informatics Workforce Planning
  - Acting Chief Public Health Informatics Officer (Brian Lee)
  - External Partner engagements
    - CSTE, ASTHO, APHL, NACCHO, APHA, TFAH
- **Standup**
  - Surveillance Leadership Board   April 2014
  - Innovation Consortium   May 2014
  - Vendors forum   May 2014
  - Small awards for surveillance innovation   FY 2014
- **Schedule**
  - Roadshows, meetings with CDC leaders/programs

Specific questions for the Subcommittee?

- **Suggestions regarding the Strategy?**

- **What would be significant early wins for STLT agencies and other stakeholders?**

- **Are there additional areas to explore or address more explicitly?**