Data Provisioning: An Update on Incorporating and Sharing New Data Sources

Presented by: Jeanne Tropper, MPH
BioSense Initiative
National Center for Public Health Informatics
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Data Provisioning

- What is it?
- What kind of data?
- How can you participate?
- More questions?

What is "Data Provisioning"?

- Funding to make clinical and health-related data available to public health for early event detection
- Sharing the data to meet the overarching goals of *protecting people in all communities from infectious, occupational, environmental, and terrorist threats*

Example 1: Healthcare Provider

- National healthcare provider
- Largely automated clinical environment
- Willing to support public health's preparedness efforts
  - Funding can support the technical requirements to share clinical data with public health

Example 2: State or Local Health Department

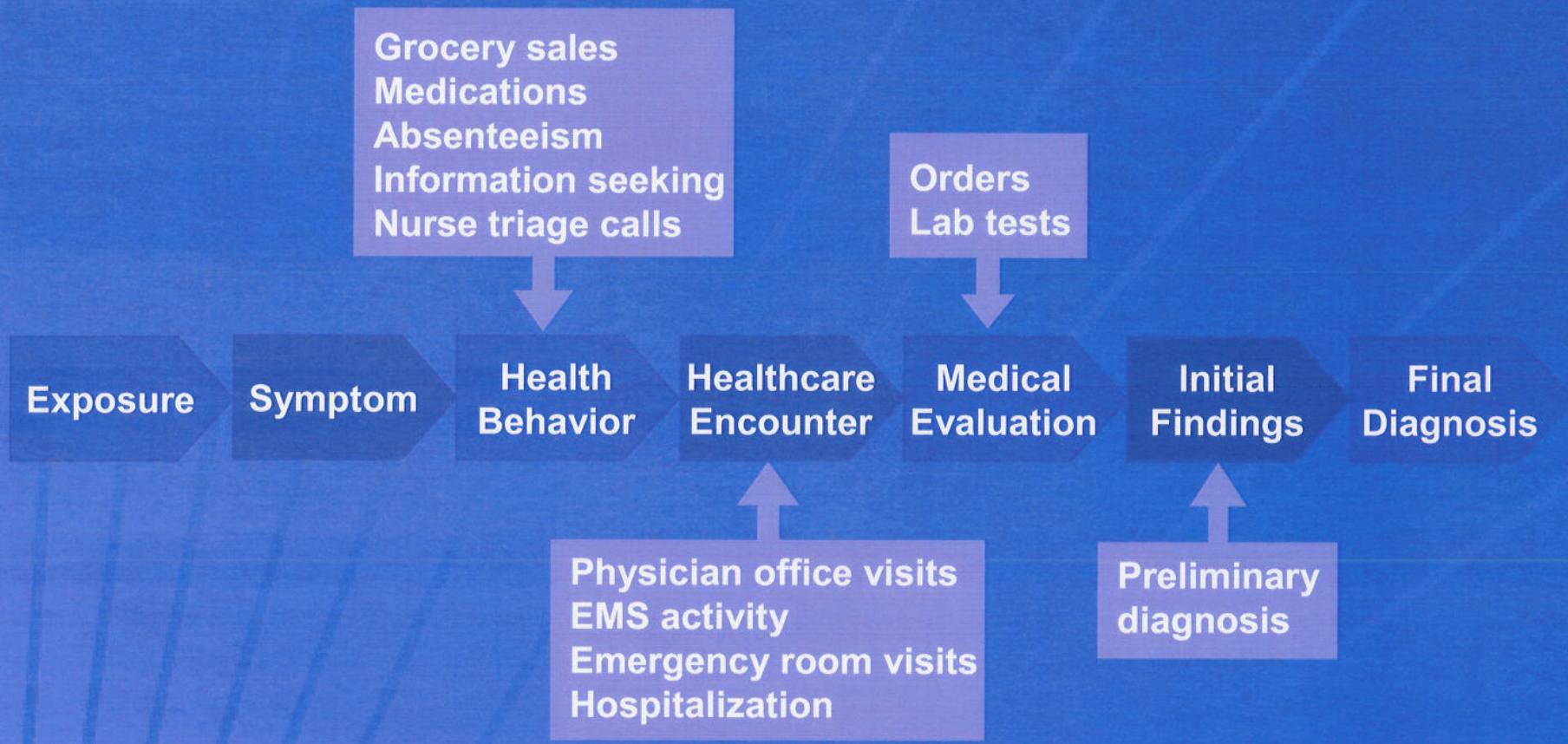
- Local health department already collecting data in a local surveillance system
- Also accessing multiple systems for additional data, alternate algorithms and views
- Would like access new data sources
- Would like to streamline electronic surveillance activities
  - Funding can support technical activities to link new and existing data sources, potentially consolidate systems

Example 3: Emerging RHIO

- Participant (payer, provider, advocate) in a regional health information organization among providers and payers in a region
- Interested in providing an advocacy role in obtaining data for public health
  - Funding can support technical activities to share data among health providers and with public health

What Sources of Data?

Follow the Health Behavior



What Data Types?

- Administrative data
  - Diagnosis codes
  - Procedure codes
- Clinical treatment records
  - Chief complaint
  - Vital signs
  - Symptoms
  - Physician findings
- Ancillary data
  - Medications
  - Lab orders/results
  - Radiology orders/results
- Other data potentially useful for investigation
  - OTC
  - Veterinary
  - Absenteeism

How will it be done?

- Potential sources will be identified in two ways:
  - Targeted – CDC is identifying a list of target organizations that have national or large regional sources of data
  - Open Solicitation - CDC is encouraging broad interest through a variety of means: e-mail, website, webinars, presentations
- Potential data sources will be prioritized using an established evaluation framework

Evaluation Framework

- Data Sources will be prioritized
  - Timeliness
  - Utility
  - Quality
  - Investigative Potential
  - Coverage
  - Cost
  - Uniqueness
  - Dual Use
  - Feasibility

Some Principles of Data Provisioning

- Sharing, sharing, sharing – it is not about the data, it is about what we do with it!
- Not buying data, rather, mitigating the costs of providing it
- Balancing the need for broad coverage with supporting interoperability standards
- Using PHIN standards for vocabulary, messaging and security
- Encouraging data source independence in providing data in the long term
- Respecting concerns over privacy by using a "minimum data set" with the ability to link back to identifiers for appropriate public health investigations

What if You Want to Participate?

- Step 1 - Complete an Interest Form and submit to CDC (available for down load on the PHIN website and in hard copy at the PHIN Conference)
- Step 2 - CDC's assessment team will contact you about the business, clinical and technical feasibility of moving forward
- Step 3 - Your organization will be presented with Data Use and Funding Agreements
- Step 4 – Implementation begins!

Process Assumes Data Meets Evaluation Criteria

Why Should You Participate?

- Your organization can contribute to the safety and security of the country and generate organizational goodwill
- Funding can enable your organization by providing the people, processes and technical activities involved in providing the data
- Participation can support interoperability among healthcare and public health through developing electronic health record activities in your region

For More Information

- Website:
  - http://www.cdc.gov/phin/phin-new/component-initiatives/biosense/index.html (soon to be www.cdc.gov/phin/biosense!!)
- e-Mail
  - BioSenseHelp@CDC.gov
- Telephone
  - (404)-639-7600
- FAX
  - (404) 639-7967
- Address
  - CDC BioSense Initiative
  - 1600 Clifton Rd NE D-45
  - Atlanta, GA 30329

Thank You!

Open Question and Answer