

PHIN 2004: Session 7.D  
Creation of Standards Based  
Messages from Clinical Sources

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# Clinical Data Beyond Laboratory Results: Creating Standard Electronic Messages

## Session Overview

**Claire Broome, MD, MPH**  
Director, Integrated Health Information Systems, CDC

# Participants

- Moderators
  - Claire Broome, MD, MPH *Integrated Health Information Systems, CDC*
  - Ivan Gotham, PhD *Department of Health, New York State*
- Presenters/Discussants
  - Bob Esterhay, MD *School of Public Health & Information Sciences  
University of Louisville*
  - Marc Overhage, MD, PhD *Regenstreif Institute  
Indiana University*
  - Bruno Nardone, CHE, MHA *Healthcare Strategy & Change  
IBM, Business Consulting Services*
  - James Tolson, BS *Division of Healthcare Quality Promotion  
National Center for Infectious Diseases, CDC*
  - William Rollow, MD, MPH *Quality Improvement Group  
Office of Clinical Standards & Quality, CMS*

# Session Description

- Electronic laboratory reporting is a recognized resource for public health surveillance. However, additional existing electronic data sources, such as emergency department, pharmacy, admission, and test result records, can also provide important data for early detection, health care quality, public health surveillance, and patient safety.
- This panel will discuss four successful approaches to creating and collaborating using standard HL7 messages from existing clinical data; consider how generalizable these approaches are; and suggest needed solutions to accelerate broader utilization.

# Challenges for Creating Standard Messages

- Where and how to standardize codes and messages
- Identity management
  - Patient matching
  - De-identification
  - Re-identifying de-identified data as needed
  - Labeling de-identified data for public health uses
- Mapping to generic vocabulary
  - Mapping local terminology to standard terminology with a minimum of time and effort
- Architecting scalable multi-use solutions
- Enabling efficient intra- and inter- organizational sharing of clinical information

# Session Format

- Presentations
  - Louisville Community Surveillance Development - *Bob Esterhay*
  - Indiana Network for Patient Care - *Marc Overhage*
  - The Healthcare Collaborative Network: Building Bridges Through Open Standards - *Bruno Nardone*
  - Designing an Architecture for Messaging Clinical Data - *James Tolson*
- 1 - 3 questions after each presentation
- Questions and discussion after all presentations regarding how generalizable these approaches are and needed solutions to accelerate broader utilization