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# Healthcare Information Technology Standards Panel

## Report from the Technical Committee Co-Chairs

February 20, 2008

**The purpose of this presentation is to provide a report from the HITSP Technical Committees regarding. . .**

- Technical Committee Leadership/Use Cases
- Reports from the Technical Committee Co-chairs

# Technical Committee Leadership

- **Provider (formerly Care Delivery) – 187 members**
  - Allen Hobbs, PhD, Kaiser Permanente
  - Steve Hufnagel, DoD/Medical Health System (MHS)
  - Steve Wagner, Department of Veterans Affairs

- **Consumer (formerly Consumer Empowerment) – 181 members**
  - Mureen Allen, MD, FACP,  Active Health Management
  - Charles Parisot, EHR Vendor Association
  - Scott Robertson, PharmD, Kaiser Permanente

# Technical Committee Leadership

- **Population (formerly Population Health) – 154 members**
  - Floyd Eisenberg, MD, MPH, Siemens Medical Solutions
  - Peter Elkin, MD, Mayo Clinic College of Medicine
  - Steve Steindel, PhD, Centers for Disease Control & Prevention
- **Security, Privacy, and Infrastructure (formerly Security and Privacy) – 134 members**
  - Glen Marshall, Siemens Medical Solutions
  - John Moehrke, GE Healthcare
  - Walter Suarez, MD, MPH, Institute for HIPAA/HIT Education and Research & Public Health Data Standards Consortium
- **Total Technical Committee Membership – 414 individuals**

# Technical Committee Use Cases Years 1 & 2

## Provider

- ***EHR - Lab Reporting*** -- Deploy standardized, widely available, secure solutions for accessing laboratory results and interpretations in a patient-centric manner for clinical care by authorized parties.
- ***Emergency Responder*** - ***EHR*** -- Covers the use of the ER-EHR from the perspective of on-site care providers and emergency care clinicians. Definitive care clinicians involved in the care and treatment of emergency incident victims, medical examiner/fatality managers investigating cause of death, and public health practitioners using information contained in the ER-EHR, are included because of their interactions with the other portions of this use case.
- ***Medication Management*** **–** Focuses on patient medication and allergies information exchange, and the sharing of that information between consumers, clinicians (in multiple sites and settings of care), pharmacists, and organizations that provide health insurance and pharmacy benefits.

# Technical Committee Use Cases Years 1 & 2

## Consumer

- ***Consumer Empowerment*** -- Deploy to targeted populations a pre-populated, consumer-directed and secure electronic registration summary. Deploy a widely available pre-populated medication history linked to the registration summary.

- ***Consumer Access to Clinical Data –*** Includes three scenarios which describe highlights of the processes, roles and information exchanges which could enable a consumer's access to clinical information via a personal health record (PHR). The three scenarios are: Consumers receive and access clinical information; Consumers create provider lists and establish provider access permissions; and Consumers transfer PHR information.

# Technical Committee Use Cases Years 1 & 2

## Population

- ***Biosurveillance*** -- Transmit essential ambulatory care and emergency department visit, utilization, and lab result data from electronically enabled health care delivery and public health systems in standardized and anonymized format to authorized public health agencies with less than one day lag time.

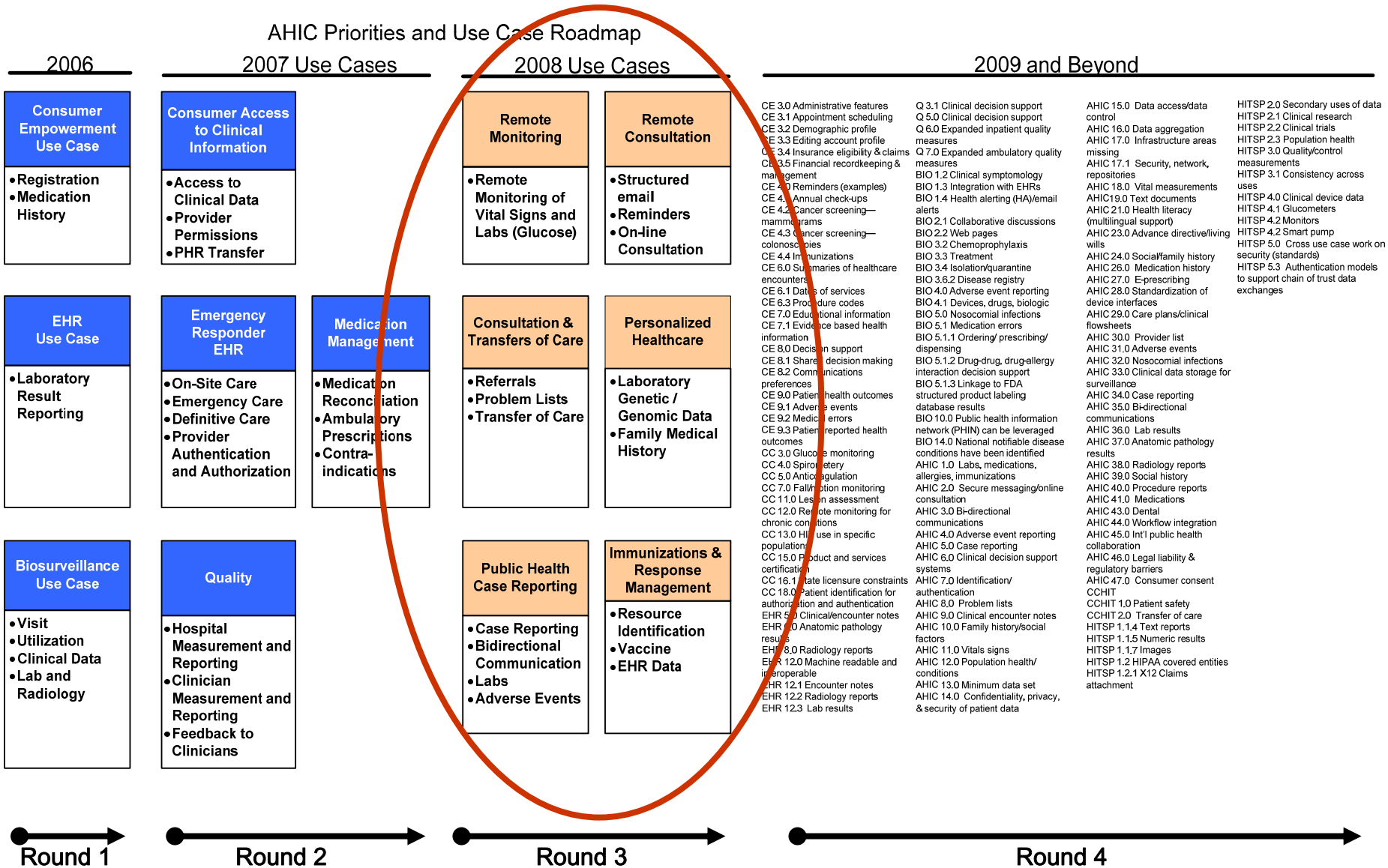
- ***Quality*** -- Depicts two scenarios related to quality measurement, feedback and reporting with respect to a patient's encounter with the healthcare delivery system: quality measurement of 1) hospital-based care and 2) care provided by clinicians.

# Technical Committee Use Cases Year 2

## Security, Privacy and Infrastructure

- ***Identification of Core Set of Constructs*** -- A core set of Privacy and Security constructs identified from all use cases; constructs reviewed and validated/modified upon receipt of new use cases
- ***Incorporation of Constructs into Other Technical Committee Documents –*** Privacy and security constructs are incorporated into the documents created by the other TCs to address interoperability in their respective use cases

# Use Case Development Process Overview



# Use Cases Year 3

- ***Consultations and Transfers of Care*** **-- The exchange of information between clinicians, particularly between requesting clinicians and consulting clinicians, to support consultations such as specialty services and second opinions.**
- ***Immunizations and Response Management*** **– The ability to communicate a subset of relevant information about needs for medication and prophylaxis resources, about resource availability, about their administration and about the status of treated and immunized populations.**
- ***Personalized Healthcare*** **- The exchange of genomic/genetic test information, family health history and the use of analytical tools in the electronic health record (EHR) to support clinical decision-making.**

# Use Cases Year 3

- ***Public Health Case Reporting*** **- Leveraging electronic clinical information to address population health data requirements.**

- ***Patient-Provider Secure Messaging*** **-- Patients consult with their healthcare clinicians remotely using common computer technologies readily available in home and other settings.**

- ***Remote Monitoring*** **– Focuses on the exchange of physiological and other measurements from remote monitoring devices in three candidate workflows: Measurement and Communication, Monitoring and Coordination, and Clinical Management.**

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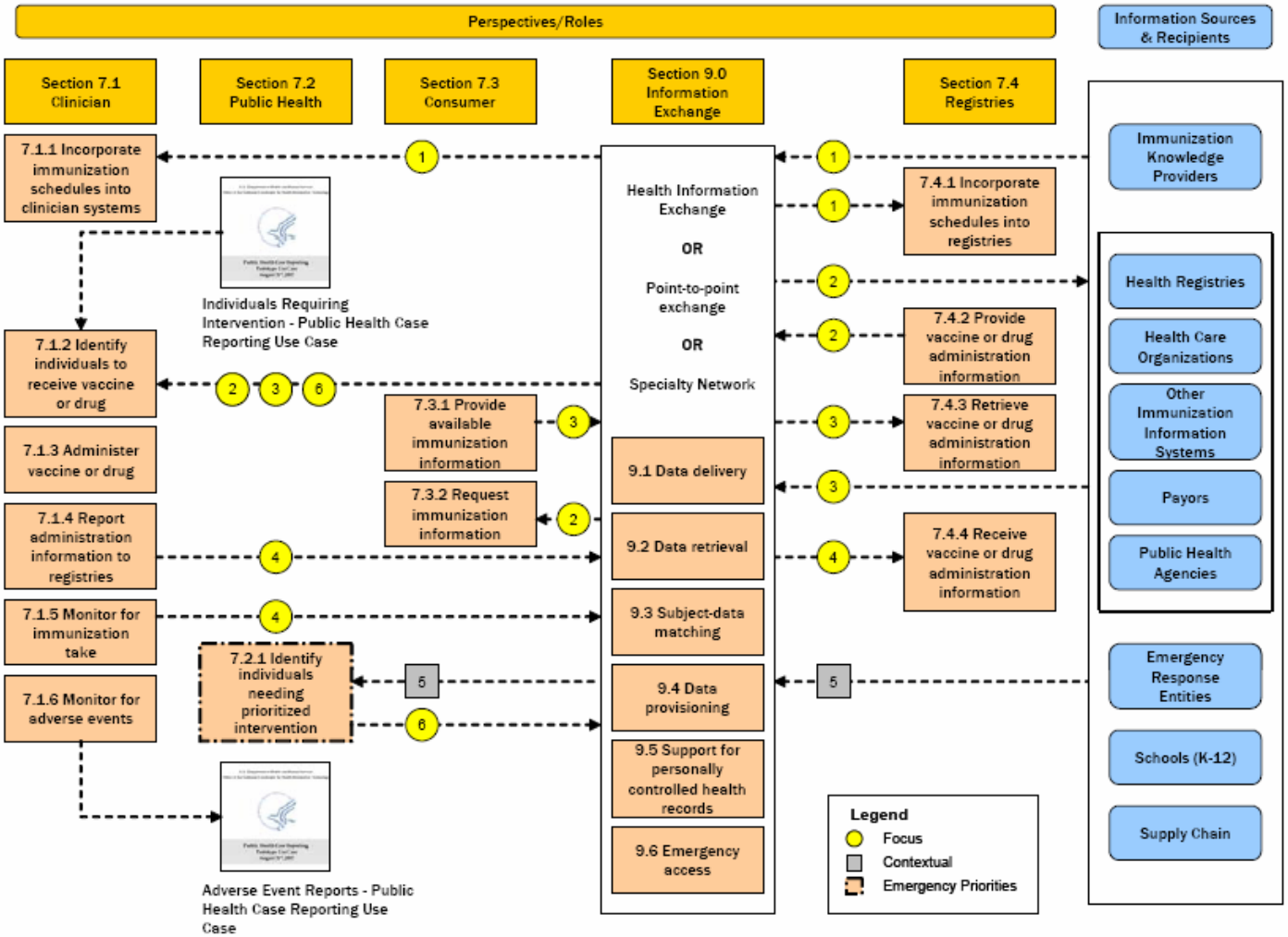
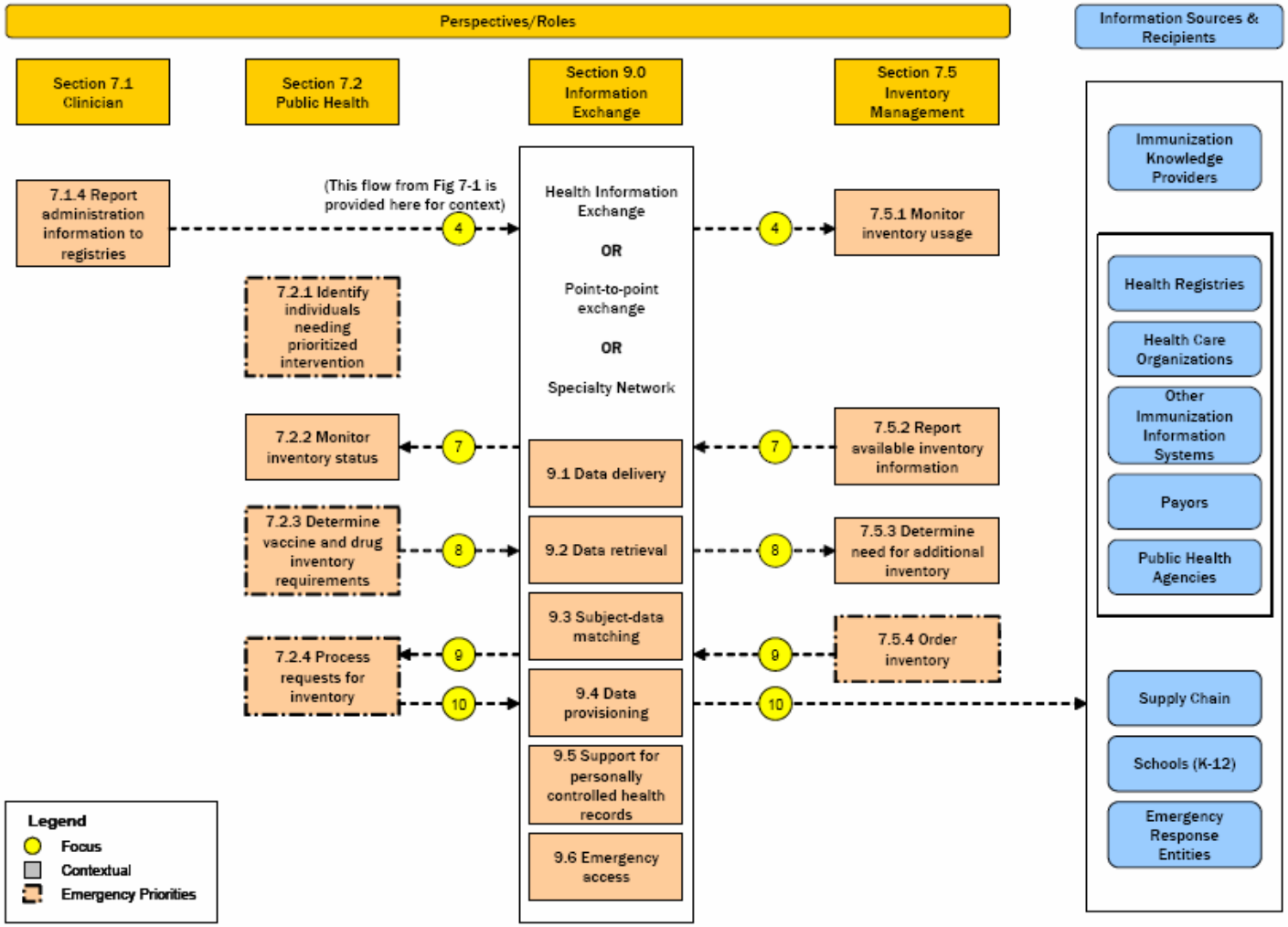
# Report from Population Technical Committee

- New Use Cases - Immunization and Response Management
  - Vaccine and Drug Administration and Reporting



# Report from Population Technical Committee

- New Use Cases - Immunization and Response Management
  - Vaccine and Drug Inventory Management



# Report from Population Technical Committee

- New Use Cases - Immunization and Response Management
  - Vaccine and Drug Administration and Reporting
    - Clinician Perspective
    - Public Health Perspective
    - Consumer Perspective
    - Immunization Registry Perspective
  - Vaccine and Drug Inventory Management
    - Clinician Perspective
    - Public Health Perspective
    - Inventory Management Perspective
  - Immunization and Response Management Information Exchange Capabilities
  - 97 Comments

# Report from Population Health Technical Committee

- **New Use Cases – Public Health Reporting**

U.S. Department of Health and Human Services

Office of the National Coordinator for Health Information Technology

Public Health Case Reporting

Draft Detailed Use Case

January 18, 2008

# Report from Population Technical Committee

- New Use Cases – Public Health Reporting
  - Reporting, Investigation and Information Sharing
    - Provider Perspective
    - Laboratory Perspective
    - Public Health Perspective
    - *[Consumer Perspective]*
    - Public Health Case Reporting Information Exchange Capabilities
    - Public Health Case Reporting Dataset Considerations
  - 117 Comments – Highlights:
    - Public Health Surveillance Vs Adverse Event Surveillance Reporting
    - 3 Scenarios for each:
      - Reporting
      - Investigation
      - Intervention

# Report from Population Technical Committee

- 2008 Roadmap Status
  - HAVE Standard – OASIS
  - IS 02 – Biosurveillance v3.0
    - Privacy & Security and Minor Updates
  - IS 06 – Quality
    - Quality Measure Specification Format
    - Clinical Decision Support -
      - March 25 Evaluation
      - Coordinate with Care Records and Health Management Domain TC
  - New Use Case Evaluation

# Report from Provider Technical Committee - Emergency Responder EHR

Gap/Overlap Projects

1. *Identifier Project , Project Lead: Frank Kiernan*
2. *Common Approaches to Delivering third party, Project Lead: David Aylward*
3. *Standardized List of Incident Types  Incident Names, Project Lead: David Aylward*
4. *Situation Awareness Reporting Project, Project Lead: Denis Gusty/Tim Grapes*
5. *Emergency Contact Registry, Project Lead: Larry Williams*
6. *Patient Information and Tracking Data Vocabulary/Terminology Harmonization Project, Project Lead: N. Clay Mann*
7. *Patient Information and Tracking Messaging & Document Sharing Project , Project Lead: Tim Grapes and N. Clay Mann*
8. *Nursing Terminologies, Project Lead: Virginia Saba, Karen Martin –COMPLETED--*

- Two Additional projects to monitor are:
  1. *(M1) Monitor- Decision Support Tools*
  2. *(M2) Monitor- Core Services*
- One project on hold is:
  1. *(D1) Deferred- Remote monitoring devices*

# Report from Provider Technical Committee - Medication Management

- **Completed definition of data constraints for Patient Generic Health Plan Eligibility Verification (T40) and Medication Formulary and Benefits Information (TP46). Documents are currently being reviewed by the TC.**
- **Completed disposition of all comments except 1, which is currently under discussion.**
  - Issue under discussion is required support of HTTPS version 1.1 by CAQH CORE Phase I Operating Rules. This standard is used in T40.
- **In process of updating IS07 text and UML diagrams.**
- **Resolved issues/concerns surrounding the use of PIX/PDQ in identifying patients**
- **Documents are scheduled to be released to the production team on 2/29.**

# Report from Security, Privacy, and Infrastructure Technical Committee

Status of 2008 Technical Committee Workplan:

- Maintenance of Constructs and Technical Note
- Security and Privacy Cross-TC Issues
- Security and Privacy NHIN 2 Issues
- Review of New Uses Cases (2008)
- Transition to new HITSP Structure

# Report from Security, Privacy, and Infrastructure Technical Committee

## Maintenance of Constructs and Technical Note

- TN900
  - Continuing to address identified gaps
- Identity Credentials Management
  - Finalizing review of options and testimony from subject matter experts
  - Workgroup will prepare summary recommendations for full TC review
- TP20 – Access Control
  - Workgroup discussing actor/transaction re-design
  - Initial draft of XSPA due in May
- TP30 – Manage Consent Directives
  - Workgroup will be discussing transaction package upgrade based in part on the resolution of identified gaps

# Report from Security, Privacy, and Infrastructure Technical Committee

## Security and Privacy Cross-TC Issues

- Provider Perspective TC:
  - Lab Message Document
  - Digital Signatures for Med Management
- Consumer Perspective TC:
  - PHR Location issue

## Security and Privacy NHIN 2 Issues

- Responded to initial set of questions from NHIN 2 sites
- Questions highlighted the need for better communication of Security and Privacy constructs and Technical Note

# Report from Security, Privacy, and Infrastructure Technical Committee

## Review of 2008 Use Cases

- Completed initial review and submitted comments on prototype use cases
- Participated in HITPS review and comment process
- Next:
  - Evaluate current constructs against final detailed use cases
  - Prepare a requirements analysis document

## Transition to new HITSP Structure

- Adding the ‘Infrastructure’ component to TC
- Identifying and recruiting new members