Integrating the Healthcare Enterprise

Use of HL7 Standards
Patient Identifier Cross-referencing (PIX)

*Supports determination of matching patient identifiers (ADT^ A01, A04, A05, A08, A31, A40; Q23)*

Patient Synchronized Applications (PSA)

*CCOW synchronization (Patient Context, User Context)*

Patient Demographics Query (PDQ)

*Query for patient ID given partial or complete demographic information (Q22, Q23, ZV1)*
Patient Administration Management (PAM)

*Management of patient identity and encounter information (ADT – A01, A03, A04, A08, A24, A28, A31, A40, A47)*

Scanned Documents (XDS-SD)

*Encapsulation of Text or PDF documents, to provide necessary metadata regarding patient ID, etc. (CDA)*

Basic Patient Privacy Consents (BPPC)

*Uses XDS-SD, which is a CDA document*
ITI Trial Implementation Profiles

- Cross-Community Patient Discovery (XCPD)
  Demographic *Query used to locate communities holding patient relevant health data and translate patient identifiers. (Patient Registry Query – HL7v3)*

- Document-based Referral Request (DRR)
  *Transmission of requests for consultation or referral (ORM)*

- PIX and PDQ using HL7 v3
  *Adds use of HL7 v3 to PIX and PDQ Pediatric (Patient Registry Query – HL7v3)*

- Demographics Option for PIX and PDQ
  *Add information needed for pediatric patients*

- Sharing Value Sets (SVS)
  *Publication and distribution of value sets to value set users (CTS informative reference)*
### IHE Laboratory Profiles

<table>
<thead>
<tr>
<th>HL7</th>
<th>V2.5</th>
<th>V3: CDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Testing Workflow (LTW)</td>
<td>Laboratory Device Automation (LDA)</td>
<td>Sharing Laboratory Reports (XD-LAB)</td>
</tr>
<tr>
<td>Laboratory Barcode Labeling (LBL)</td>
<td>Laboratory Point Of Care Testing (LPOCT)</td>
<td>Content</td>
</tr>
<tr>
<td>Laboratory Code Sets Distribution (LCSD)</td>
<td>Inter Laboratory Workflow (ILW - trial)</td>
<td>Workflow</td>
</tr>
</tbody>
</table>

Subset of LOINC test codes
Clinical Document Architecture and CCD

- **Final Text**
  - Medical Summaries (XDS-MS), Emergency Department Referral (EDR), Exchange of Personal Health Record Content (XPHR)

- **Trial Implementation**
  - Emergency Department Encounter Summary (EDES), Antepartum Record (APR), Labor and Delivery Record (LDR), Functional Status Assessments (FSA), Immunization Content (IC), Patient Plan of Care (PPOC), EMS Transfers of Care (ETC)

- **New for 2010**
  - Perioperative Plan of Care
  - Post-Partum Visit Summary
  - Newborn Discharge Summary
  - Perinatal Workflow
Patient Care Coordination

- **HL7 V3 Care Record and Care Record Query (All TI)**
  - Query for Existing Data (QED)
  - Care Management (CM)
  - Request for Clinical Guidance (RCG)

- **HL7 Version 2 (All new for 2010)**
  - Perinatal Workflow (V2.5.1 ADT/ORL/ORU)
  - Chronic Care Coordination (V2.5.1 ADT/ORM?)