Colorado’s HIE Collaboration

CIIS Onboarding and Interface Process
CIIS Background

- June 2011 - Registry platform replaced with WebIZ
- Colorado not a mandatory reporting state
- Client participation is voluntary
- Provider participation (as of January 2016)
  - 1,035 clinics report immunization data
    - 268 manual users
    - 767 electronic submitters
      - 670 batch submitters
      - 97 real-time submitters
  - 100% participation from Local Public Health Departments
CIIS Interoperability Challenges

• Limited staff resources
• Extensive wait list - increased demand from MU
• Striking a balance between point-to-point interfaces and supporting HIE interfaces
• Length of implementation projects
  • Manual interface process
  • Communication delays (EHR and clinic responsiveness)
  • EHR configuration issues
  • Clinic workflow issues → poor data quality
iSII Vision Implementation Project

• IIS Outreach Management System (OMS) Module
  • Provider and vendor contact management

• Immunization Data Exchange (IDx) Module
  • Self-serve, automated HL7 testing tool and onboarding support

• Project Management Module
  • Project Management tracking system

• MU Public Health Reporting Module
  • MU2 tracking for Public Health Reporting Objectives
HIEs in Colorado

• Quality Health Network (QHN)
  • Established in 2004
  • Services providers in western Colorado

• Colorado Regional Health Information Organization (CORHIO)
  • Established in 2010
  • Services providers along Colorado’s Front Range
Data in CORHIO Network

Public Health Departments

Laboratories

Radiology Centers

Hospitals

Newborn Screening Results

Lab Results

Pathology Reports

Radiology Reports

Reportable Conditions

Hospital ADT info

Consult Reports

Transcription Notes

Lab/Rad

Immunizations
Immunization Reporting Initiative

- Submission of immunization data to CIIS from multiple sources via CORHIO
- Initiated in 2010
- Transfer of Knowledge
  - CIIS Implementation Guide
  - Data Validation Tool
  - Data Quality Tool - coming soon
- Long-term vision = bi-directional, real-time messaging
HIE Integration-Gained Efficiency

- EHR capability analysis
- Initial message testing
- Project management activities
- Production message testing
- Staging for data validation
- Data validation preparation
- Data quality review of production data
- Interface activation
- Post Go-Live monitoring
Real-Time Messaging Gateway

• Will replace current real-time messaging gateway
• Supports Stage 3 Meaningful Use
• New gateway will use CDC WSDL
• Change to HTTPS
  • Make onboarding process easier - no certificates required
• Support query demand
  • Need to support significant increase in query messages without sacrificing response time
Questions

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