

Meaningful Use the Role of Health Information Exchange (HIE)

Inland Empire Health Information Exchange

IEHIE



Inland Empire HIE

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Overview

- ▶ General Requirements of the HIE
 - ▶ Certification Requirements
 - ▶ Product Specifications
 - ▶ Supported Standards
- ▶ Stage II Core Measures
- ▶ Stage II Menu Set Measures
- ▶ Lessons Learned and Summary

General Requirements of HIE

Certification

- ▶ **ONC Certification**
 - ▶ All products used to Achieve Meaningful Use must be certified
 - ▶ If a product is used in conjunction with other products, it must be a certified module
 - ▶ When attesting, all certifications must be included in the submission
- ▶ **Current State of HIE Products**
 - ▶ Only a Handful of HIE products are certified
 - ▶ Those that are certified may not be supported by other products
 - ▶ Ex: EMR-based Patient Portals and other EMR systems
 - ▶ Public Health Reporting as an HIE requires CDC certification

General Requirements of HIE

Product Specifications

- ▶ HIEs Come in all Shapes and Sizes
 - ▶ Not all HIEs are created equal or support the same services
 - ▶ HIEs are often limited by the capabilities of their HIE vendor
 - ▶ Push versus Pull Technologies
- ▶ Services that may or may not be provided
 - ▶ CCDA Exchange - Certification Standard
 - ▶ Direct Secure Messaging - Certification Standard
 - ▶ Patient Portal - Certification Standard
 - ▶ eHealth Exchange - Certification Standard
 - ▶ Patient Education - Certification Standard
 - ▶ Public Health Reporting - Certification Standard
 - ▶ Case Management/Clinical Analytics/Repository/Imaging - Enhanced Patient Care

General Requirements of HIE

Supported Standards

- ▶ The Measures are specific related to supported standards
 - ▶ Consolidated Clinical Document Architecture - CCDA
 - ▶ Transitions of Care - Pull or Push
 - ▶ Discharge/Visit Summaries - Pull or Push
 - ▶ Accepted Standard for Communication of Clinical Data
 - ▶ ONC Report on HIEs and the use of CCDAs
 - ▶ Direct Secure Messaging - DIRECT
 - ▶ Transitions of Care - One to One Push
 - ▶ Discharge/Visit Summary - Push to Patient Portal
 - ▶ Secure email between Patient and Provider and Provider to Provider
 - ▶ eHealth Exchange (eHX)
 - ▶ Transitions of Care - Many to One Pull

Stage II Measures

- ▶ HIEs support a handful of measures depending on the facility type
 - ▶ Eligible Professional - 6 Core Measures, 4 Menu Set Measures
 - ▶ Eligible Hospital - 6 Core Measures, 2 Menu Set Measure
- ▶ Not all HIEs support all of the Measures
- ▶ ONC has provided Clarification on some of the measures
 - ▶ KEY CONSIDERATIONS FOR HEALTH INFORMATION ORGANIZATIONS SUPPORTING MEANINGFUL USE STAGE 2 TRANSITION OF CARE MEASURES
 - ▶ April 26, 2013 Prepared for the Office of the National Coordinator for Health Information Technology by: Genevieve Morris, Senior Associate Scott Afzal, Principal David Finney, Principal

Stage II Measures


▶ Core Measures

- ▶ Measure 7(EP)/6(EH): VDT
- ▶ Measure 8(EP)/6(EH): Visit/Discharge Summaries
- ▶ Measure 13(EP)/10(EH): Patient Education
- ▶ Measure 15(EP)/12(EH): Transitions of Care
- ▶ Measure 16(EP)/13(EH): Immunization Reporting
- ▶ Measure 17(EP): Secure Messaging
- ▶ Measure 13(EH): Electronic Lab Reporting
- ▶ Measure 14(EH): Syndromic Surveillance

▶ Menu Set Measures

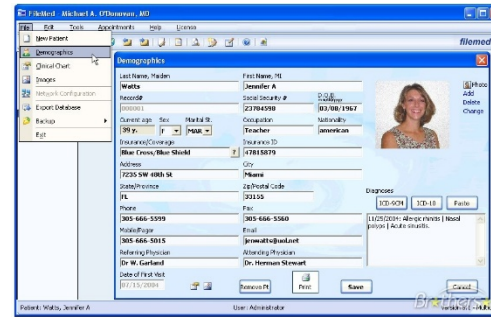
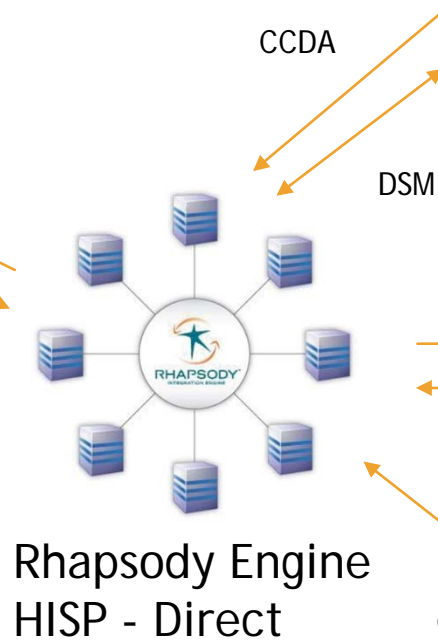
- ▶ Measure 1(EP)/1(EH): Syndromic Surveillance
- ▶ Measure 3(EP)/3(EH): Imaging Results
- ▶ Measure 5(EP): Cancer Registry
- ▶ Measure 6(EP): Other Registries

IEHIE Example Care Coordination



Patient Portal

- View Summary
- Download to File or Print
- Transmit via Direct (DSM)
- Patient Ed tied to Summary



**Direct
Network
Or eHX**

- Measure 7(EP)/6(EH): VDT
- Measure 8(EP)/6(EH): Visit/Discharge Summaries
- Measure 13(EP)/10(EH): Patient Education
- Measure 15(EP)/12(EH): Transitions of Care
- Measure 17(EP): Secure Messaging (DSM)

IEHIE Example Public Health



Public Health Registries

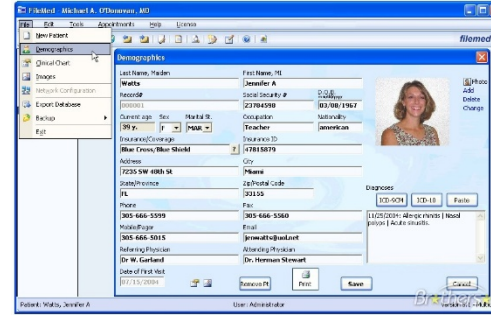
- Immunizations
- Electronic Lab Reporting
- Syndromic Surveillance
- Other Registries

HL7/SOAP



Rhapsody Engine
HISP - Direct

HL7



Facility EMR

HL7



Inland Empire HIE

- Measure 16(EP)/13(EH): Immunization Reporting
- Measure 13(EH): Electronic Lab Reporting
- Measure 14(EH): Syndromic Surveillance
- Measure 5(EP): Cancer Registry
- Measure 6(EP): Other Registries

Lessons Learned

- ▶ Certification Issues
 - ▶ Cost
 - ▶ Timeline
 - ▶ Evolving Standards
- ▶ EMR Issues
 - ▶ Product Differences
 - ▶ Interpretation of Standards
 - ▶ Delays and Cost Factors Related to Interfaces
- ▶ Public Health Issues
 - ▶ Delays in Implementation
 - ▶ System Limitations
 - ▶ Financial Concerns
- ▶ Product Issues

Summary and Contact

- ▶ Up to 6 Measures Supported by HIE
- ▶ Potential Future of Meaningful Use
- ▶ Patient Engagement

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