

Slide 1



Working with Health IT Systems

Component 7/ Unit 3 Health IT Workforce 1

Slide 2

Unit 3: Understanding Information Exchange in HIT Systems

Information *Systems* *care*
Patient-centered
Health Communication
IT

Component 7/ Unit 3 Health IT Workforce 2

Slide 3


Objectives

- Identify entities that are commonly involved in HIT system data exchange
- Explain the need for standards and why they exist
- Define and differentiate between vocabulary, content exchange, and privacy and security standards
- Compare current efforts to facilitate health information exchange between providers, communities, regions and nation (NHIN, HIEs, NHIN Direct)

Component 7/ Unit 3 Health IT Workforce 3

Slide 4

Types of Information Exchange



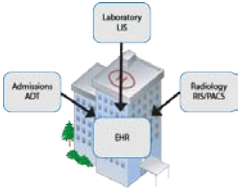
- Exchange of information between systems used by a single health care organization
- Exchange of information between HIT systems of 2 or more different organizations/entities

Component 7/ Unit 3 Health IT Workforce 4

Slide 5

Types of Information Exchange

- Exchange of information between systems used by a single health care organization




Component 7/ Unit 3 Health IT Workforce 5

Slide 6

Types of Information Exchange

- Exchange of information between HIT systems of 2 or more different organizations/entities



Component 7/ Unit 3 Health IT Workforce 6

Slide 10

Types of Standards

- Vocabulary, content exchange, and privacy and security standards (including transport standards)
 - Vocabulary: code sets, ICD-10-CM, SNOMED CT, LOINC
 - Content exchange: HL7 CDA R2 CCD, ASTM CCR
 - Privacy/security: AES encryption, IPsec, TLS
 - Transport: SOAP, REST

Component 7/ Unit 3 Health IT Workforce 10

Slide 11

HIE Initiatives

- Health Information Exchange (HIE)
"The electronic movement of health-related information among organizations according to nationally recognized standards."¹
- HIO, RHIO
- Examples: HealthBridge, Indiana HIE, CareSpark, MedVirginia
- NHIN

Component 7/ Unit 3 Health IT Workforce 11

Slide 12

Unit 3 Summary

- Entities that are commonly involved in HIT system data exchange
- The need for standards and why they exist
- Vocabulary, content exchange, and privacy and security standards
- Health information exchange between providers, communities, regions and nation (NHIN, HIEs, NHIN Direct)

Component 7/ Unit 3 Health IT Workforce 12

Slide 13

References

- National Alliance for HIT Report to the
ONC on Defining Key Health Information
Technology Terms (April 28, 2008)
http://www.hhs.gov/healthit/documents/m20080603/10_2_hit_terms.pdf
- National Library of Medicine HIT standards
<http://www.nlm.nih.gov/healthit.htm>
