lid	



Working with Health IT Systems

Slide 2

Unit 3: Understanding Information Exchange in HIT Systems



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 be at the content of the conte
- Compare current efforts to facilitate health information exchange between providers, communities, regions and nation (NHIN, HIEs, NHIN Direct)

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

mponent 7/ Unit

Health IT Workford

Slide 5

Types of Information Exchange

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



Slide 6

Types of Information Exchange

 Exchange of information between HIT systems of 2 or more different organizations/en tities

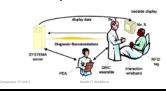


Health IT Workford

		 -	

Information Exchange Use Case

• Picture or animation here showing a journey of an individual through the healthcare system



Slide 8

"Meaningful Use" and HIT Information Exchange

- Information Exchange

 Incentive program will require:

 Demonstration of interoperability
 Share electronic data with patients
 eRx
 Quality measures reporting to CMS/States

 Drug formulary checks
 Medication reconciliation
 Summary of care records for transfers/referrals
 Immunization reporting to registries
 Syndromic surveillance reporting to public health agencies
 Lab results reporting to public health agencies
 Patient reminders
 Direct patient access to their record in an EHR

Slide 9

Interoperability of Systems

- Proprietary vs. standard methods of exchange
- Why are standards important?

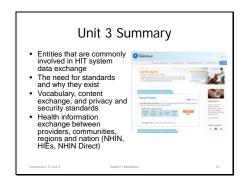


Types of Standards • Vocabulary, content exchange, and privacy and security standards (including transport standards) • Vocabulary: code sets, ICD-10-CM, SNOMED CT, LOINC • Content exchange: HL7 CDA R2 CCD, ASTM CCR • Privacy/security: AES encryption, iPsec, TLS Transport: SOAP, REST

Slide 11

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

Slide 12



 ,		

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/m2 008003/10 2 hit terms.pdf
 National Library (Marking)
- National Library of Medicine HIT standards http://www.nlm.nih.gov/healthit.htm

ponent 7/ Unit 3

Health IT Workforce

_		 	
_		 	
_	 	 	
_	 	 	