Curriculum Development
Centers Program

Awardee of The Office of the National Coordinator for
Health Information Technology

Component 11:
EHR Implementation In Specific Settings

Unit 9: EHR Implementation
in Specific Settings

Lecture 3

Understanding the Ambulatory Care Setting and Physician Practices

- Ambulatory Care includes:
  - Physician offices
  - Clinics
  - Hospital outpatient services

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Ambulatory Care Information Systems

- Interoperability and workflows
  - Interfaces with Source Systems
  - Interfaces with Hospital

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Basic EHR Functionality

- Scheduling, Check-In, In-Basket, and Checkout

- Patient Clinical Summary

EHR Components

- E-prescribing and CPOE
- Clinical messaging and portals
- Use of HL7 for HIE
- ASP and community offering for EHR

Amatayakul, MK. Electronic Health Records: A Practical Guide for Professionals and Orgnizations. 4th ed. Chicago, IL: AHIMA

Steps for Selecting an EHR

1. Designate a work team and establish a strategic work plan
2. Research the basic functionality of EHR systems
3. Become acquainted with the terminology or technology language
4. Conduct a readiness assessment and analysis of workflow
5. Identify criteria for selecting a system
6. Identifying potential vendors
7. Prepare a request for proposal (RFP)
8. Prepare for vendor demonstrations
9. Make your selection

AHIMA [homepage on the Internet]. Chicago, IL. [updated 2006, October; cited 2011, March 10]. Available from: http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_035390.hcsp?dDocName=bok1_035390

Data Capture Methods in an EHR

1. Entering data directly, including templates or screens completed by the user
2. Scanning handwritten documents
3. Transcribing text reports created by using dictation or speech recognition
4. Interfacing or feeding data from other information systems such as laboratory systems, radiology systems, blood pressure monitors, or electrocardiographs

AHIMA [home page on the Internet]. Chicago, IL. [updated 2008, August; cited 2011, March 10]. Available from: http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_039546.hcsp?dDocName=bok1_039546

Downtime Plans

- Planned Downtime
- Unplanned Downtime
- Bringing the System back online
- Downtime Drills

AHIMA [homepage on the Internet]. Chicago, IL. [updated 2007, January; cited 2011 March 10]. Available from: http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_045486.hcsp?dDocName=bok1_045486

Resource

- AHIMA, "Quality Data and Documentation for EHRs in Physician Practice." Journal of AHIMA 79, no. 8 (August 2008): 43-48
- Amatayakul, Margaret K., Electronic Health Records: A Practical Guide for Professionals and Organizations, Fourth Edition, Chicago: AHIMA Press, 2009.
- Fahrenholz, Cheryl Gregg; Smith, Lance J; Tucker, Kyle; Warner, Diana. "Plan B: A Practical Approach to Downtime Planning in Medical Practices." Journal of AHIMA 80, no. 11 (November-December 2009): 34-38
- Johns, Merida L., Health Information Management Technology: An Applied Approach, Second Edition, Chicago: AHIMA Press, 2007
- Johnson, Ethel. "Selecting an Electronic Medical Record System for the Physician practice." AHIMA's 78th National Convention and Exhibit Proceedings, October 2006.
- Peden, Ann H., Comparative Health Information Management, Albany, NY: Thomson Learning, 2005