

Unit 9 - Potential Issues with Adoption and Installation of an HIT system

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Component 7/Unit 9

Component 7/Unit 9



Health IT Workforce Curriculum Version 1.0/Fall 2010

Why Do Systems Fail?

- Systems can "get in the way". Is it useable?
- Lack of the story metaphor
 - Narratives are essential to a patient's episode of illness
 - Poor communication is more often detrimental to patients than lack of knowledge
 - Computers should enable clinicians to capture narratives easily
 - The structure of the patient's record strongly influences the ease of information retrieval

Health IT Workforce Curriculum Version 1.0/Fall 2010

Component 7/Unit 9



Common Challenges to Adoption & Integration of HIT

- · Hard to enter data
 - Free text isn't
 - Structured text

· Reading

Tough on the front endEasier on the back end



– 40% slower on line

"If the computer is used to generate output, the layout and structure of the reports are important as this can influence clinical decisions in sometimes fundamental ways."

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 Method for Controlling

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 Method for Controlling

Effect of Presentation Order – "Primacy Effect"



• A: Diabetic Medication X

This medication is effective; it lowers sugar levels. It makes one feel better and boosts energy. It may cause nausea and headache.

• B: Diabetic Medication Y This medication may cause headache and nausea. It boosts energy and makes one feel better. It is effective; it lowers sugar levels.

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Component 7/Unit 9

Common Challenges to Adoption & Integration of HIT

- Funding Who pays? Who benefits?
- Workflow and culture (resistance to change) are two key barriers to adoption
- Degree of turnover in healthcare.

Culture Eats Strategy for Lunch

Component 7/Unit 9

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The Three T's THE THREE T'S OF A SUCCESSFUL EHR IMPLEMENTATION Textics Film, plan, Plan, plan, Ridesign your workflow, Don't automation improves something, Design ablanced scanning startegy: Consistently enter key data into your new BHR charts. Ord starts into BLIR electronically when possible. Than, trant, van, scannerfaction strategy and allow individual afflerences in style. Don't 'go live' on a Mondy. Undersetimate hom you' 'go live' and for a hordt y. Don't on undersetimate hom you 'go live' and for a hordt y. Don't on undersetimate hom wruch time and work is involved in baccoming 'expert' with an EHR. Don't scrimp on your IT infrastructure. If you're a small practice, consider an application service provider (ASP) mc Make sure that your IT personnel do adequate Identify one or more EHR champions or don't implement. implement. • Make sure your organization's senior executive fully supports the EHR. • Use an experienced, skilled Use an experienced, sn-project manager. Utilize sound change sting. expert IT advice wh es to servers and management principles. Have clear, measurable goa Make sure users share your Make sure your servers and interfaces are maintained o a daily basis. Back up your database at least daily. our servers and goals. Establish realistic afterward. anderestimate how much time and work is inv ing "expert" with an EHR. vendor with an excellent reputation for suppo "power users" at each site. expectations. • Don't try to implement an EHR in a dysfunctional Pick a ve ion for suppo ery plar Component 7/Unit 9 8

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Table 3 Perceived barriers and Perceived barrier		Possible barrier-related intervention strategies	
A	Finance	Provide doumentation on return on investment Show profibable examples from other IMR Implementations. Provide Financia compensation.	
в	Technical	Educate physicians and support copying training. Adapt the systems to alving practices. Implement IMII on a module-by-module basis. Link EMIW with ording systems. Pormote and communicate wilability and subability of the system. Acquire third park for support charge implementation.	
С	Time	Provide support during implementation phase to convert records and assist. Provide training assistons to familiate users. Implement a user friendly help function and help desk. Redesign workflow to achieve a time gain	
D	Psychological	Discus undrivers of the EMR inclute tail denoted Demonstrate-sele of use. Start with volumary une. Let follow physicians demonstrate: the system. Adapt system to current medical practice.	
E	Social	Discuss advantages and disadvantages for doctors and patients. Information and support from physiclars who are already uses. Ensure support, leadership, and communication from management.	
F	Legal	Develop requirements on safety and security in cooperation with physicians and patients. Ensure GMR system meets these requirements before implementation. Communicate on safety and security of issues.	
G	Organization	Redesign workflow to realize a better organizational fit. Adapt IUNR to organization type. Adapt IUNR to type of medical practice	
н	Change process	Select a project champion, prefeably an experienced physician. Let physician (or representative) participate during the implementation process. Communicate the advantages for physicians. Use incentives. Ensure support, leadership, and communication from management.	
Component 7/Unit 9		Health IT Workforce Curriculum Version 1 0/Fall 2010	9



ToolKits



10

- AHRQ Emerging Lessons Toolkit: http://healthit.ahrq.gov/portal/server.pt/community/ahrq-funded_projects/654/emerging_lessons/11227
- AAFP: HIT in the Small Office Online Tutorials http://www.centerforhit.org/online/chit/home/cme-learn/tutorials.html
- HIMSS Flyer Getting Started With An EHR
 <u>http://www.himss.org/content/files/GettingStartedEMR_Flyer1.pdf</u>
 ACP: EHR Adoption Road Map and Tools
- http://www.acponline.org/running_practice/technology/ehr/roadmap/
- HRSA Implementation Tool Kit http://www.hrsa.gov/publichealth/business/healthit/toolbox/HealthITAdop tiontoolbox/

Health IT Workforce Curriculum Version 1.0/Fall 2010

Component 7/Unit 9

