Unit 4: The Effective HIT System

Slide 2

Unit 4 Objectives

- Identify characteristics of an effective HIT system.
- Define and provide examples of how evidencebased practice can be supported in HIT Systems.
- Define and cite examples of usability, configurability, scalability and reliability in HIT systems.
- List and contrast different types of reports/queries (predefined vs. ad hoc) required for internal and external reporting.

Slide 3

Effective HIT

- Integrated/Interactive exchange
 - Patients, providers, government agencies, insurers
 Increase of overall quality, safety, efficiency, decreased costs, & increased patient access
- Improved public health
- Early detection of outbreaks
- Tracking & evaluation in chronic diseases
- Post-marketing surveillance of medications
- Evaluation/reimbursement based on value.

Working With HIT Systems Webster & Shapiro, 2010

Characteristics of Effective HIT

- Flexible
- Adaptable
- Configurable & Agile
- Dependable/Reliable
- Useable
- Scalable



Slide 5

Slide 6

Facilitates "Best Practices" • Evidence Based Practice (EBP) • the integration of best-researched evidence and clinical expertise with patient values (IOM) • Guideline-enhanced Care • http://www.guideline.gov/about/about.aspx



Supporting Workflow

- HIT organizes work, integrates knowledge, supports decisionmaking
- Decreased memory demands
- Routing and prioritizing

Slide 8



- Automates tedious aspects
- Effective use of resources balancing supply and demand



Slide 9

Supporting Workflow

- Data extraction & reporting
- Ad hoc & pre-definedUser centered design
- "a design and evaluation process that pays particular attention to the intended users, what they will do with the product, where they will use it, and what features they consider essential" ISO 13407

Reviewing the Objectives

- Identify characteristics of an effective HIT system.
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- Define and cite examples of usability, configurability, scalability and reliability in HIT systems.
- Define and provide examples of how evidencebased practice can be supported in HIT Systems.
- List and contrast different types of reports/queries (predefined vs. ad hoc) required for internal and external reporting.

Slide 11

This completes Unit 4 "The Effective HIT System"

