

#### Unit Objectives

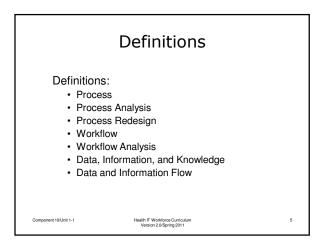
Upon successful completion of this unit the student is able to:

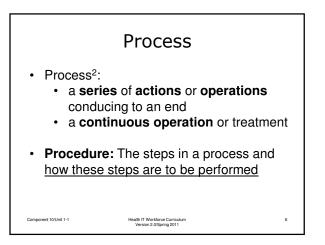
- · Describe the purpose for process analysis and redesign in the clinical
- Describe the purpose for process analysis and redesign in the clinical setting
   Describe the role of a workflow process analysis and redesign specialist and contrast it with other roles such as technical support and implementation management
- Explain how health process analysis and redesign and meaningful use are related
   Analyze a healthcare scenario and identify the components of clinical
- Analyze a healthcare scenario and identify the components of clinical workflow
- Given a scenario of a health care analysis and redesign, analyze the responsibilities of each participant in the process and how the roles complement or overlap with one another
- Describe how the workflow processes used by a healthcare facility might differ depending on the type of facility

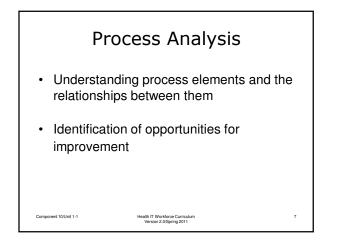
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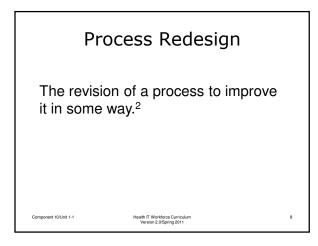
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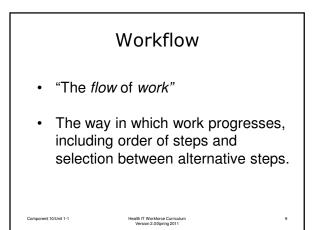
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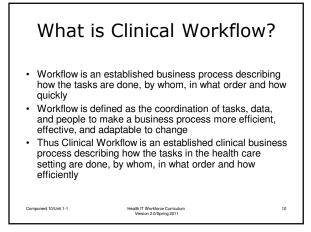


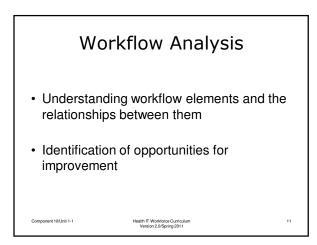












### Data, Information, and Knowledge <sup>2</sup>

• Data:

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- Factual information
- A difference
- Information: data + meaning
- · Knowledge: justified true belief

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- Declarative knowledge
- Procedural knowledge

#### Data and Information Flow

The steps or path by which data are moved through a work process or a system or some combination of both, including the order of steps, and operations performed on the data (or information)

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13

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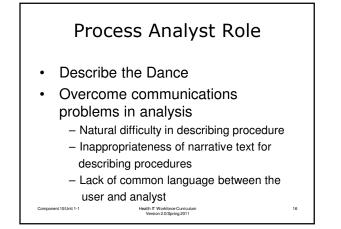
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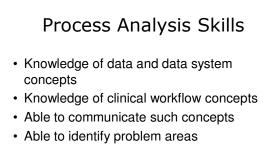
#### Role of Health Care Workflow Analysis and Redesign Specialist

Workers in this role assist in reorganizing the work of a provider to take full advantage of the features of health IT in pursuit of meaningful use of health IT to improve health and care.

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#### Process Redesign

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18

· Role

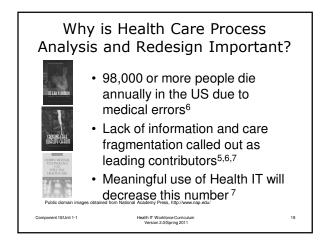
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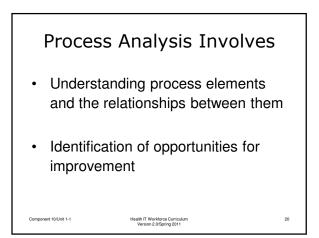
- Choreographing a new dance between humans, information, and computers
- Skills

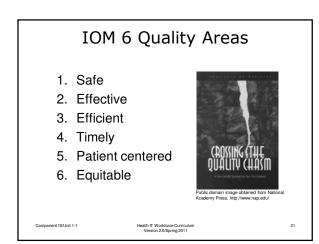
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 Ability to combine organizational knowledge and technology to create a better way

6







## EHR Meaningful Use

 Term coined by the framers of the American Recovery and Reinvestment Act of 2009 (ARRA)

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22

23

 Addresses five national health policy priorities

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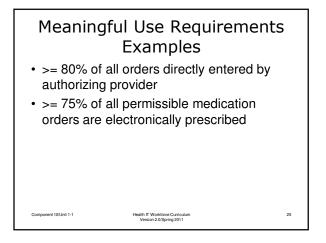
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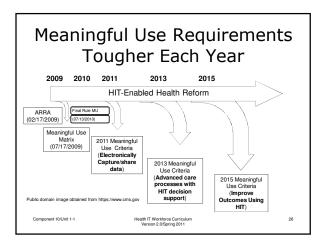
#### Five National Health Priorities<sup>7</sup>

- Improve quality, safety and efficiency and reduce health disparities
- · Engage patients and families
- Improve health care coordination
- Improve population and public health
- Ensure adequate privacy and security protections for personal health information (PHI)

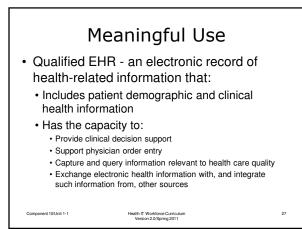
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#### Meaningful Use

Stage 1

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• Lays the groundwork for a planned secure nationwide health information network

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 Establishes minimal functionality for Certified EHR Technology

Qualified EHR
Includes patient demographic and clinical health information, such as medical history and problem lists
Has the capacity to:

Provide clinical decision support
Support physician order entry

- Capture and query information relevant to health care quality
- Exchange electronic health

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This concludes the first of two lectures for the Concepts of Health Care Processes and Process Analysis unit.

You may go on to the second lecture or stop and return to the second lecture at a later time.

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30

29

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