Safe Workflow Design

Unit 7.2: Work Process Flow Chart

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Objectives

At the end of this segment, the student will be able to:

• Construct a work process flow chart.

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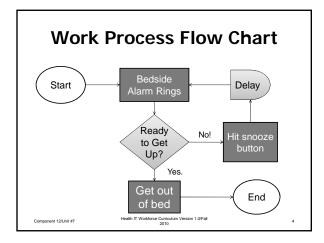
Work Process Flow





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Work Process Flow Chart

- · Simple diagrams
- Used to define and analyze processes
- · Clarifies understanding of a process
- · Communicates how a process works
- Illustrates a step-by-step picture of a process
- · Identifies areas for standardization or improvement in a process

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Work Process Flow Chart

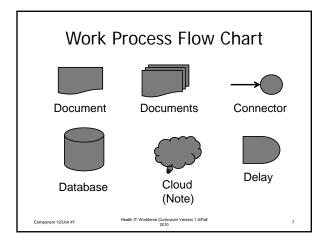






- Elongated circle = start or stop point
- Rectangle = actions or instructions
- Diamond = decisionpoint
- Arrow = connector that shows the flow

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Work Process Flow Chart

High Level

- Shows 6 -12 steps
- Presents a panoramic Presents a detailed view of a process
- Shows the major blocks of activity
- · Useful in early phases of a project

Detailed

- Close-up view
- view of process steps
- Shows complexity
- · Useful once issues have been defined and changes are to be made

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Work Process Flow Chart

- · Get the right clinicians in the room
- Define the start and end points of the process
- · Complete a high level picture
- · Decide on the level of detail required
- Brainstorm tasks and decisions made
- Describe the process as it really exists

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Work Process Flow Chart

- Clearly define each step in sequence
- · Include problems
- Identify delays or non-value added steps
- · Make notes about unfamiliar steps
- · Go back and fill in the branches
- Assign action items to fill in unfamiliar steps and verify accuracy

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Clinical Workflow Analysis Rehabilitation Medicine Example

Nurses in a 3-person rehabilitation office worried that processing admissions and case management had become cumbersome and redundant. When they analyzed the existing paper system, they found over 300 data items used more than once throughout the departmental processes. They used a simple timing trial, based on selected segments of a workflow diagram, to improve workflow.

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Clinical Workflow Analysis Rehabilitation Medicine Example Referral Admission Coding Discharge Component 12Unit 47 Health IT Workforce Curriculum Version 1.0Fall 210

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Clinical Workflow Analysis Emergency Department Example

A group of researchers examined the role of workflow redesign in improving medication reconciliation at 4 Washington State community hospital emergency departments. They used Lean redesign methods for workflow process mapping and redesign workshops.

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Clinical Workflow Analysis Lean Thinking

- Core Idea of Lean Thinking
 - Determine the value of a process by distinguishing value-added steps from nonvalue-added steps and eliminate waste
- Process according to Lean
 - Set of actions, each of which must be done properly in the correct sequence at the appropriate time to create value for a patient

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Clinical Workflow Analysis Lean Thinking

Primary Processes

- Serve the external customer (the patient and family)
- · Easier to see

Internal Processes

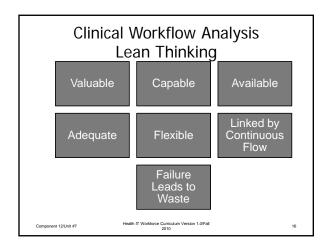
- Serve internal customers (staff, providers, payers)
- Need to create value

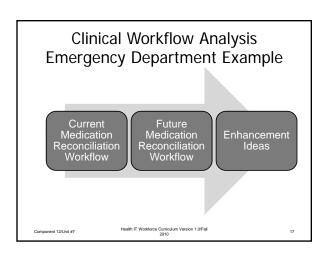
The perfect process is defined by the patient (patient-centered approach to health care quality).

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Clinical Workflow Analysis: Chronic Disease Clinic Example Understanding workflow, information flow, and provider needs in chronic disease care environments can enable providers to take full advantage of the capabilities of HIT systems. Researchers stationed observers in unobtrusive locations in 3 chronic care clinics to observe interactions among people, processes, and technology. Medit IT Windforce Carriotan Version 1.0 Feb. 20

Clinical Workflow Analysis: Observations

Who

· Clinical receptionists

- Dieticians
- Social workers
- Nurses
- Nurse practitioners
- · Resident physicians
- Fellows
- Attending physicians

What

- Use of EHR functions
- · Comments about EHR
- How information collected/recorded
- Information transfer among roles
- Hand-offs
- Patient-provider interaction

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Clinical Workflow Analysis: Observations

Where

- · Clinic work areas
- Private offices
- Hallways
- Examination rooms
- Nurse practitioners
- · Resident physicians
- Fellows
- Attending physicians

When

- · Patient check-in
- · Patient intake
- Patient examination
- Diagnostic tests
- Prescribing
- Patient education
- · Patient check-out
- Patient emergencies

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Workflow Diagram Diabetes Clinic Appointment Preparation Check In Patient Intake Hand-off from Nurse Provider Work-up & Treatment Appointment Activities Appointment Completion Component 12Una 87 Health IT Workforce Curriculum Version 1.0Fall 21

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Summary

- Work process flow charts are useful in defining and analyzing processes
- Understanding workflow and information flow is required to maximize HIT use
- Lean thinking is helpful in maintaining a patient-centered approach
- The key to success is to involve those who know the process best

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