

Introductions: Our Hospitals

9 hospitals represented by 29 CAH staff!

In the chat:

Names, Facility, Improvement Topic

Big Sky Medical Center

Central Montana Medical Center

Community Hospital of Anaconda

Dahl Memorial Healthcare

Livingston HealthCare

McCone County Health Center

Mineral Community Hospital

Ruby Valley Medical Center

St Luke Community Hospital



Program Expectations

Purpose

Provide an avenue for Flex and HQIC member hospitals to work through a quality improvement project from the ground up using evidence-based tools and processes applied to topics of interest and priority.

Objectives

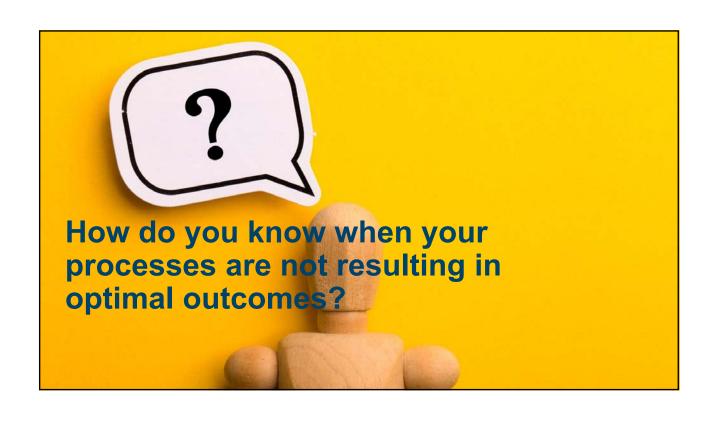
- · Understand the Model for Improvement
- Identify tools to determine the root cause of a problem
- · Identify types of data and apply to appropriate goals
- Implement tools for addressing adverse events
- · Identify ways to engage patients and family in improvement efforts



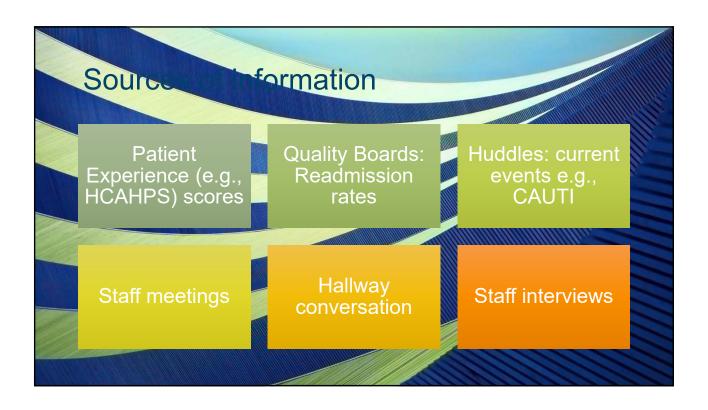












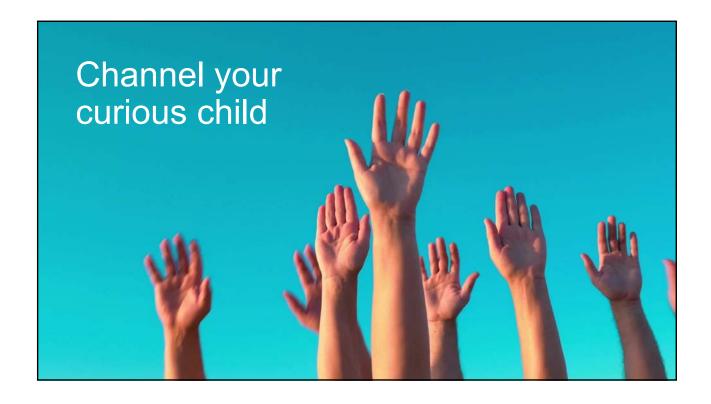
More sources

Patient and staff interviews

Observations of practices (e.g., hand hygiene)

The local news







I ran a red light

Why? I was late for work

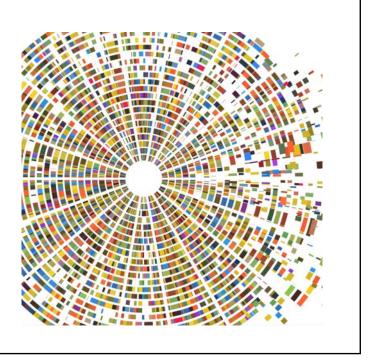
Why? I woke up late

Why? Alarm didn't go off

Why? Phone didn't charge

Why? I forgot to plug it in

Let's role play; focus on a patient readmission





Readmission interview

- Why are you back with us so soon?
- Why did you not fill your prescriptions?
- What other 'Why' questions would you ask?

Patient was given wrong medication

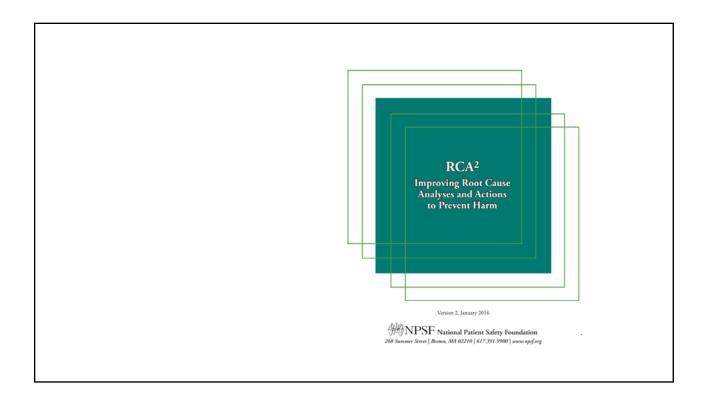


Patient was given a medication that resulted in death

Why?







Rules of Causation (1 and 2)

Rule 1. Clearly show the "cause and effect" relationship.

INCORRECT: A resident was fatigued.

CORRECT: Residents are scheduled 80 hours per week, which led to increased levels of fatigue, increasing the likelihood that dosing instructions would be misread.

Rule 2. Use specific and accurate descriptors for what occurred, rather than negative and vague

words. Avoid negative descriptors such as: Poor; Inadequate; Wrong; Bad; Failed; Careless.

INCORRECT: The manual is poorly written.

CORRECT: The pumps user manual had 8 point font and no illustrations; as a result nursing staff rarely used it, increasing the likelihood that the pump would be programmed incorrectly.

Rules of Causation (3 and 4)

Rule 3. Human errors must have a preceding cause.

INCORRECT: The resident selected the wrong dose, which led to the patient being overdosed. **CORRECT:** Drugs in the Computerized Physician Order Entry (CPOE) system are presented to the user without sufficient space between the different doses on the screen, increasing the likelihood that the wrong dose could be selected, which led to the patient being overdosed.

Rule 4. Violations of procedure are not root causes, but must have a preceding cause.

INCORRECT: The techs did not follow the procedure for CT scans, which led to the patient receiving an air bolus from an empty syringe, resulting in a fatal air embolism.

CORRECT: Noise and confusion in the prep area, coupled with production pressures, increased the likelihood that steps in the CT scan protocol would be missed, resulting in the injection of an air embolism from using an empty syringe.

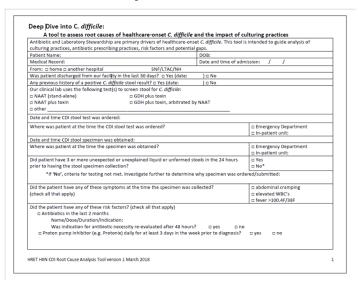
Rules of Causation (5)

Rule 5. Failure to act is only causal when there is a pre-existing duty to act.

INCORRECT: The nurse did not check for STAT orders every half hour, which led to a delay in the start of anticoagulation therapy, increasing the likelihood of a blood clot.

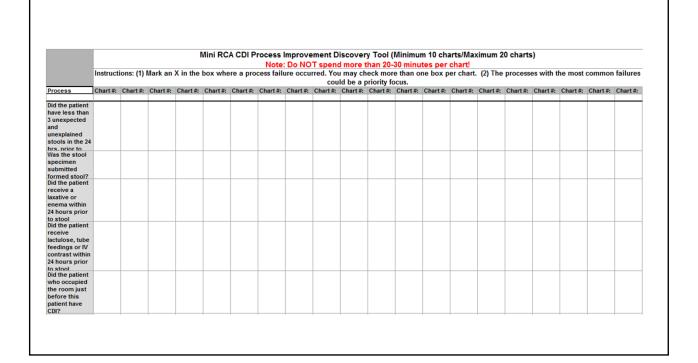
CORRECT: The absence of an assignment for designated RNs to check orders at specified times increased the likelihood that STAT orders would be missed or delayed, which led to a delay in therapy.

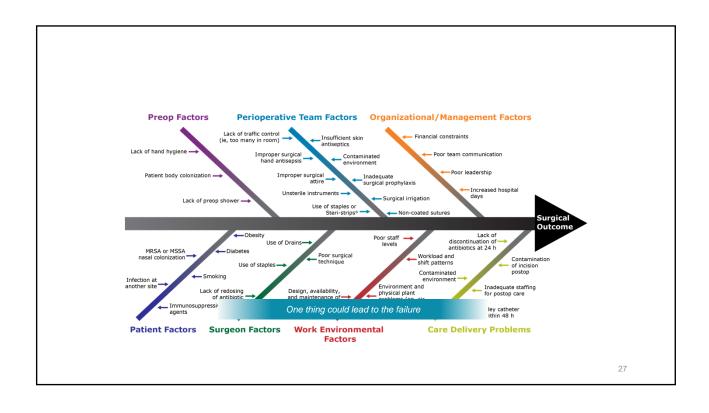
Deep Dive Example



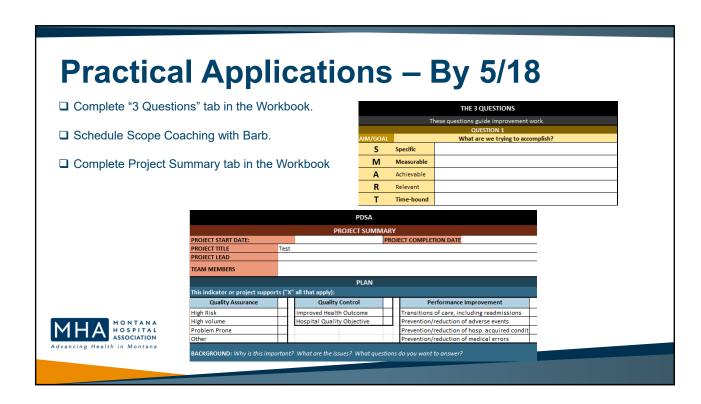
CAUTI
Discovery Tool
– Specimen
Collection
Tracer

[LAB ORDERS) There is: An order for a urinalysis and urine culture [SIGNS/SYMPTOMS) The patient has: At least one of the following: new onset or worsening of fever, rigors, altered mental status, malaise or lethargy with no other identified cause; flank pain, costovertebral angle tenderness; acute hematuria; pelvic discomfort A urinalysis that demonstrated at least one abnormality (e.g. + Nitrite, + Leukocyte esterase (LE), 2 S WBC/hpf) [SPECIMEN COLLECTION and TRANSPORTATION) The following was observed: The urine specimen was collected from the sampling port The sampling port was scrubbed with a disinfectant (e.g. alcohol wipe) A dedicated transfer device designed to luer-fit directly onto the sampling port was used The current urinary catheter was removed, need for replacement was confirmed, and a new catheter was inserted before the urine specimen was collected The specimen is labeled correctly as clean catch or catheterized	PROCESS	Chart #	Chart #	Chart #
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A dedicated transfer device designed to luer-fit directly onto the sampling port was used The current urinary catheter was removed, need for replacement was confirmed, and a new catheter was inserted before the urine specimen was collected	The urine specimen was collected from the sampling port			
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was collected	The current urinary catheter was removed, need for replacement was			
	confirmed, and a new catheter was inserted before the urine specimen			
The specimen is labeled correctly as clean catch or catheterized	was collected			
	The specimen is labeled correctly as clean catch or catheterized			
The urine specimen was either analyzed by the clinical lab within two	The urine specimen was either analyzed by the clinical lab within two			
hours of collection or was refrigerated (2-8°C) or in a tube containing a	hours of collection or was refrigerated (2-8°C) or in a tube containing a			
preservative.	preservative.			
(LAB INTERPERETATION)	(LAB INTERPERETATION)			
Does the lab perform a culture only if UA is abnormal? (e.g. + Nitrite, +	Does the lab perform a culture only if UA is abnormal? (e.g. + Nitrite, +			
Leukocyte esterase (LE), ≥ 5 WBC/hpf)	Leukocyte esterase (LE), ≥ 5 WBC/hpf)			
(TREATMENT)				
The urine sample was obtained from the urinary catheter BEFORE	The urine sample was obtained from the urinary catheter BEFORE			
initiation of anbibiotics	initiation of anbibiotics			





Schedule Date Topic **Practical Application** (assigned) May 2 Heart of the Matter: Tools to Determine the Problem Tool: Project Summary May 16 What Tells the Story? How to Identify and Use Data Tool: PDSA Cycle 1 and Summary June 8 Just Do It...and Do It Again! Small Tests of Change and the Do-Study-Act of Tool: PDSA Cycle 2 + the PDSA Cycle June 20 The Leader Mindset July 11 No Blame No Shame: Addressing Patient Safety and Adverse Events Poster development Changing the Perspective Changes the Experience: Involving Patients and Family Advisors in Quality Improvement July 25 August 22 Celebration & Sharing MONTANA HOSPITAL ASSOCIATION Advancing Health in Montana



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