

## **Champions for Quality Improvement**

#### Making the most of today!

- Engage and participate. We welcome shared experiences, questions and stories
- Please turn cameras on if able.

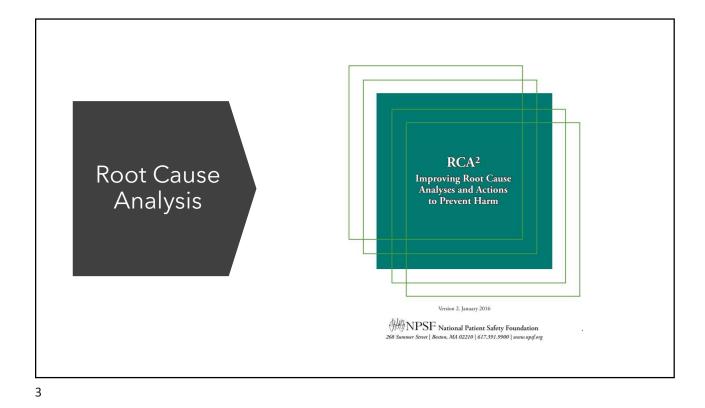
#### Chat Box Introductions:

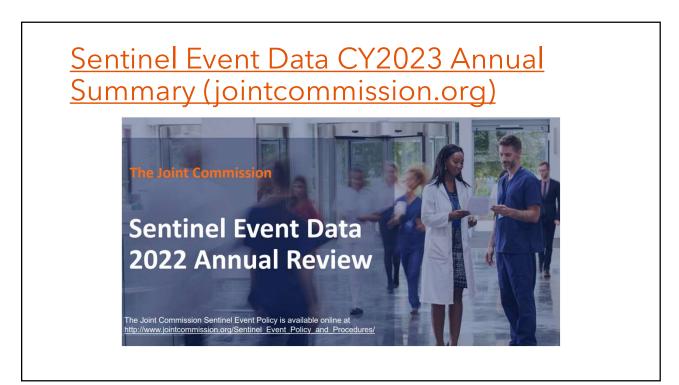
- > Name
- ➤ Facility

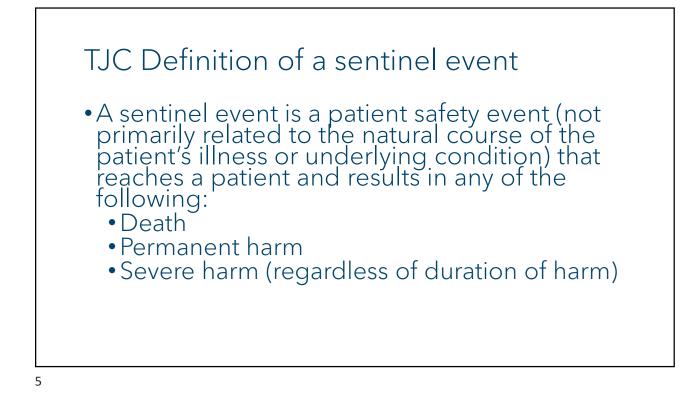
H O S P I T A L ASSOCIATION

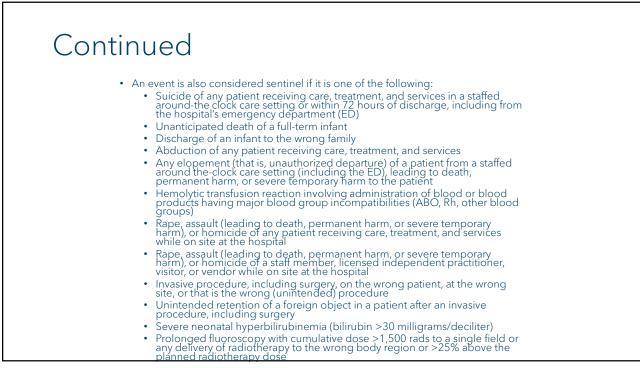
What is one important skill that you think everyone should have?











Top 10 Leading Reviewed Sentinel Ev	ent Types (CY2022	2)
ent Types	N	% of Total
Fall	611	42%
Delay in treatment	89	6%
Unintended retention of a foreign object	88	6%
Wrong surgery*	85	6%
Suicide	73	5%
Assault/rape/sexual assault/homicide	60	4%
Fire/burns	49	3%
Perinatal event	33	2%
Self-harm	30	2%
Medication management	30	2%





## 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.

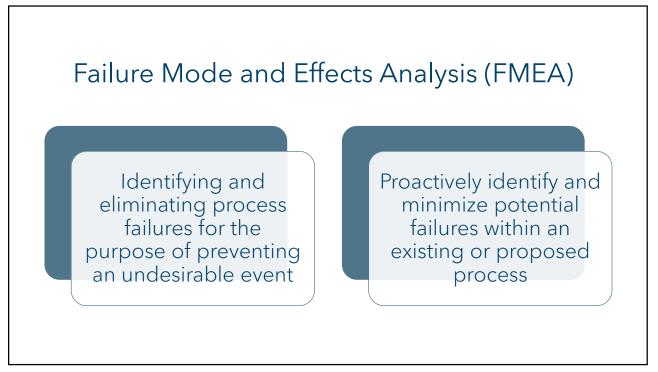
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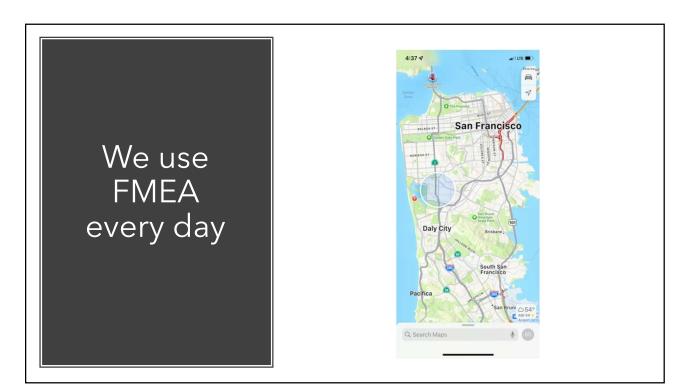
## Rules of Causation (5)

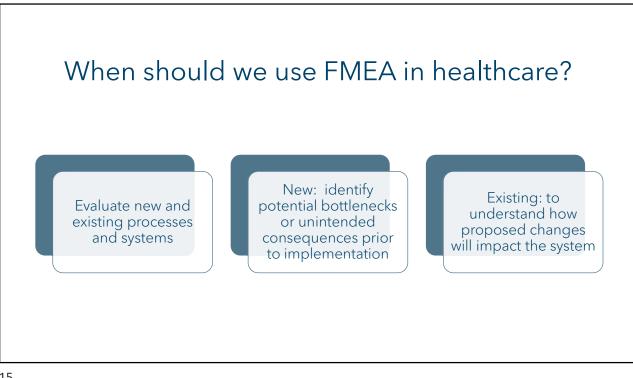
Rule 5. Failure to act is only causal when there is a pre-existing duty to act.

**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.

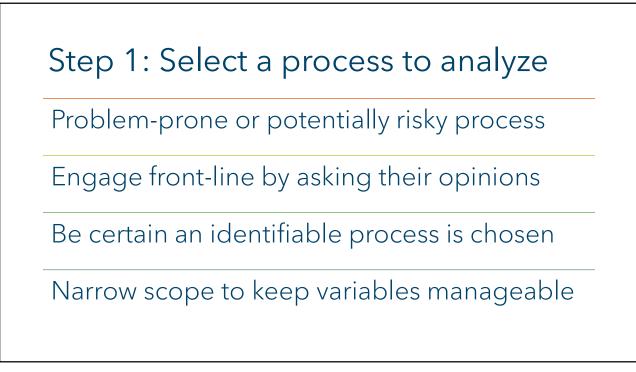
**CORRECT:** The absence of an assignment for designated RNs to check orders at specified times increased the likelihood that STAT orders would be missed or delayed, which led to a delay in therapy.



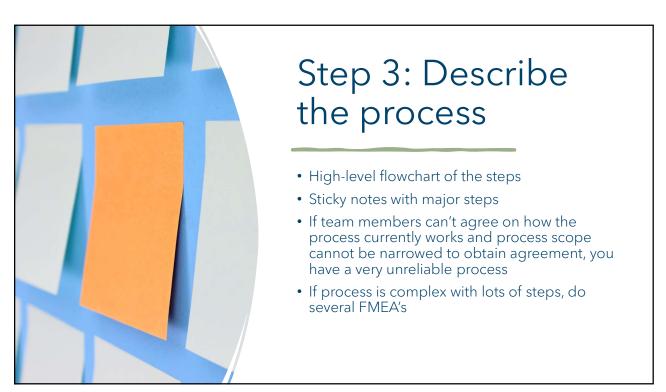


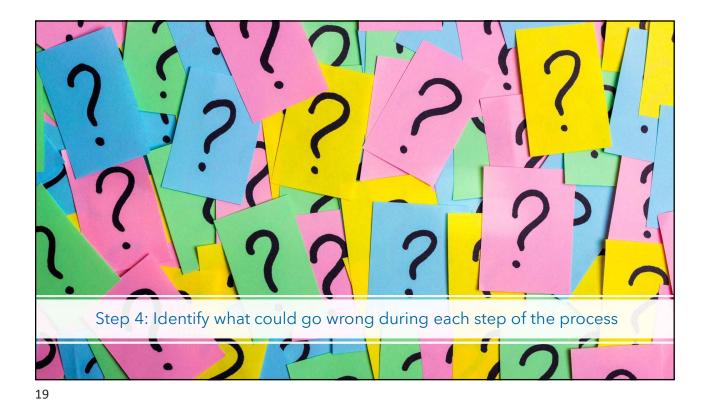








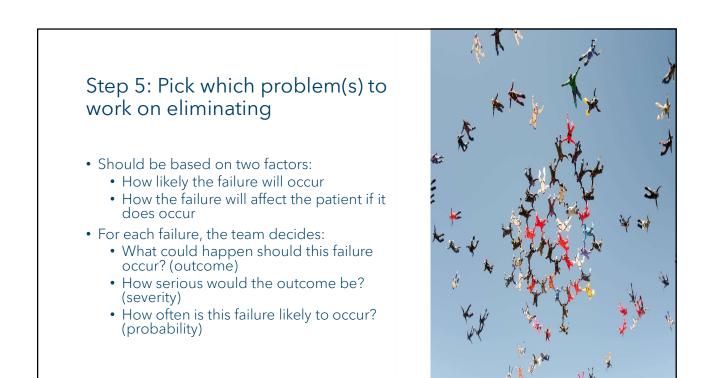




# Step 4: Identify what could go wrong during each step of the process

- What can go wrong or what can fail (these are the 'failure modes')
- Need the people who do this work every day
- Create safe atmosphere to decrease 'protectionism'
- Not a 'name, blame, shame' game
- Brainstorm: write failures on sticky-notes and line them up beneath the sticky notes that list the process steps
- Might need to gather additional input from staff not officially on the FMEA team





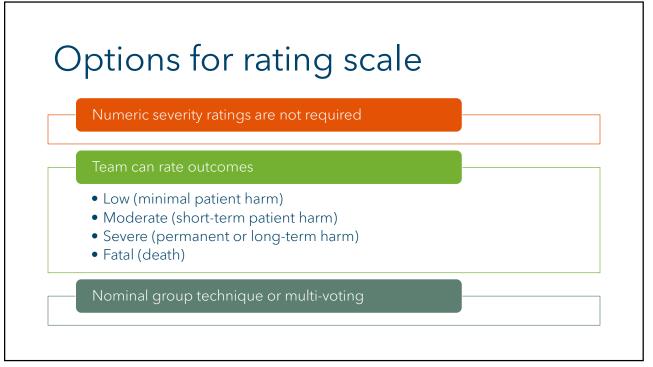


Rating	Outcome Category	Description
5	Catastrophic	Resident experiences death or major permanent loss of function (sensory, motor, physiologic, or intellectual),
4	Major	Resident experiences permanent lessening of bodily function (sensory, motor, physiologic, or intellectual), disfigurement, surgical intervention required, or increased level of care for 3 or more days.
3	Moderate	Resident experiences an event, occurrence, or situation which could harm the resident but will not cause permanent injury or lessening of bodily function or require the delivery of additional healthcare services
2	Minor	Resident may experience a minor injury, but most likely would not be affected by the failure and it would not cause any changes in the delivery of care.
1	Near miss	Resident would not experience any injury, changes in delivery of care, or an increased level of care.

# VA National Center for Patient Safety

Figure	5.	Hazard	Scoring	Matrix
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	Severity of Effect				
		Catastrophic	Major	Moderate	Minor
oility	Frequent	16	12	8	4
Probability	Occasional	12	9	6	3
Ē	Uncommon	8	6	4	2
	Remote	4	3	2	1



	Dete	ermine Probability	
ailure pr Rating	Description	Definition	
5	Very high probability: failure is most inevitable	1 failure in 5 attempts	
4	High: repeated failures	1 failure in 50 attempts	
3	Moderate: occasional failures	1 failure in 500 attempts	
2	Low: relatively few failures	1 failure in 5000 attempts	
1	Remote: failure is unlikely	<1 failures in 500,000 attempts	

## VA National Center for Patient Safety

## Figure 4. Probability Rating

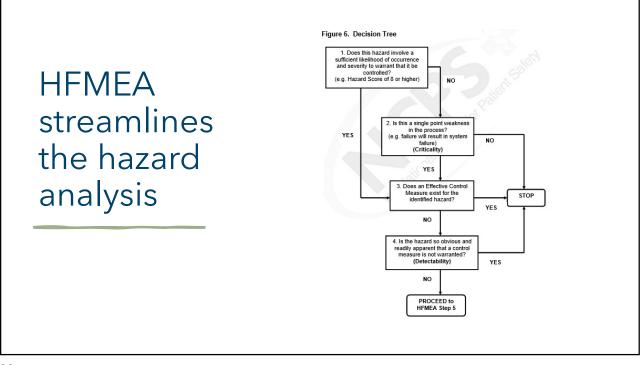
**Frequent -** Likely to occur immediately or within a short period (may happen several times in one year)

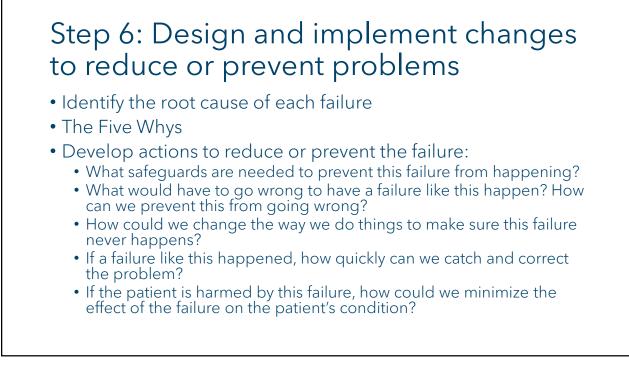
Occasional - Probably will occur (may happen several times in 1 to 2 years)

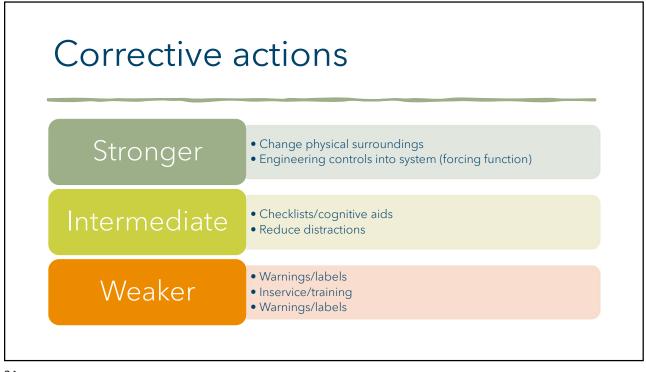
Uncommon - Possible to occur (may happen sometime in 2 to 5 years)

Remote - Unlikely to occur (may happen sometime in 5 to 30 years)

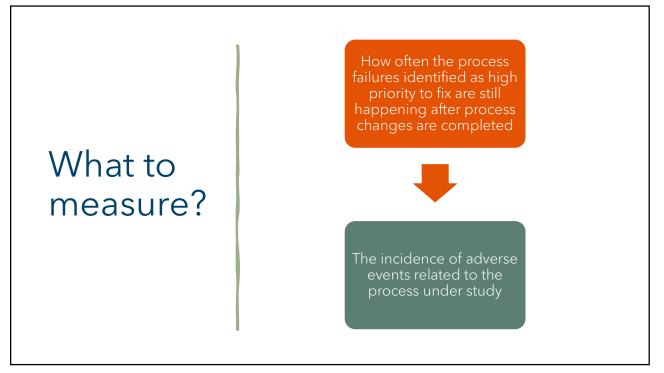


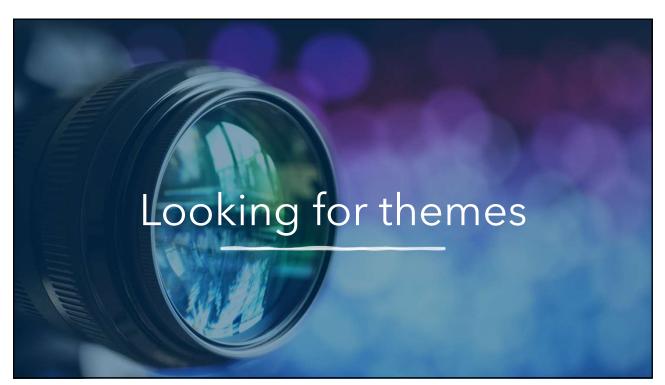






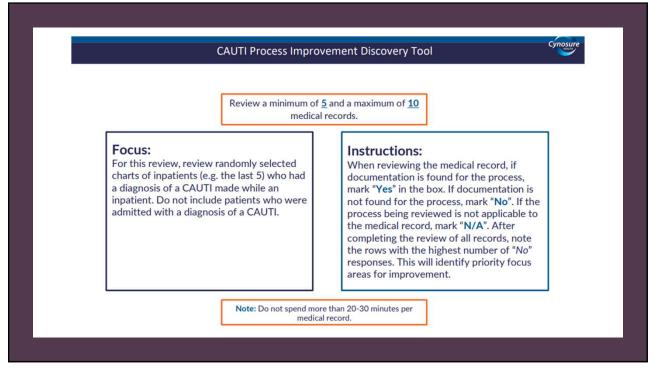


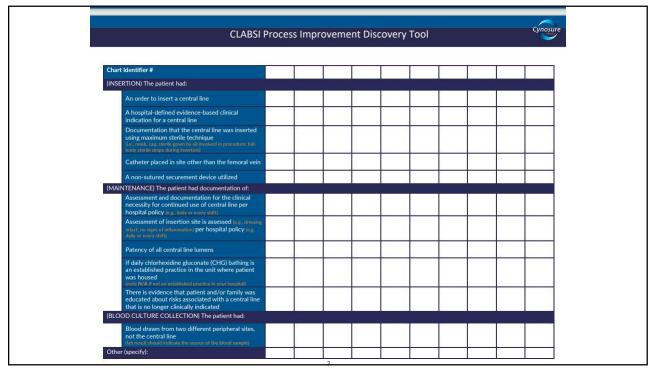


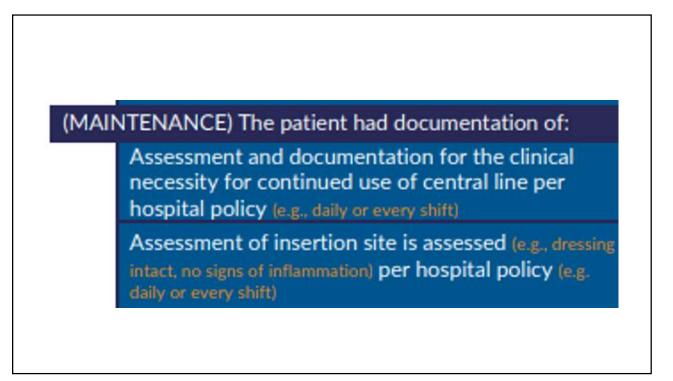


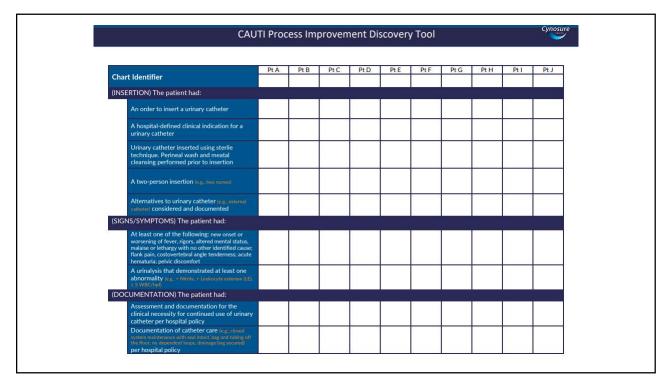


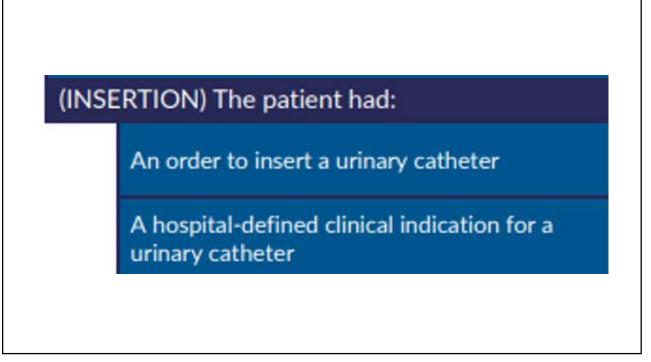


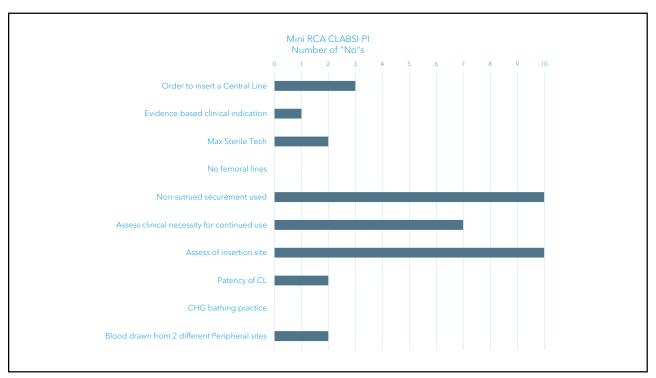


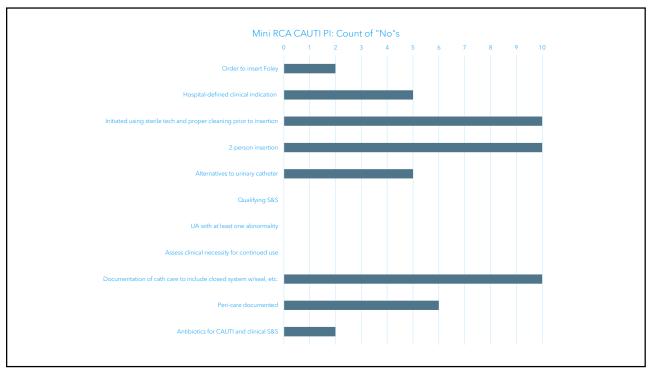


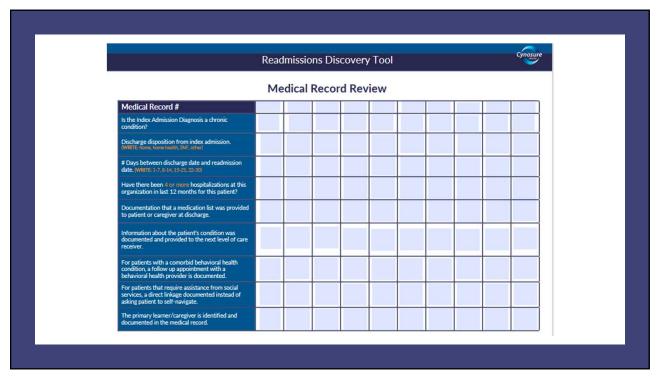


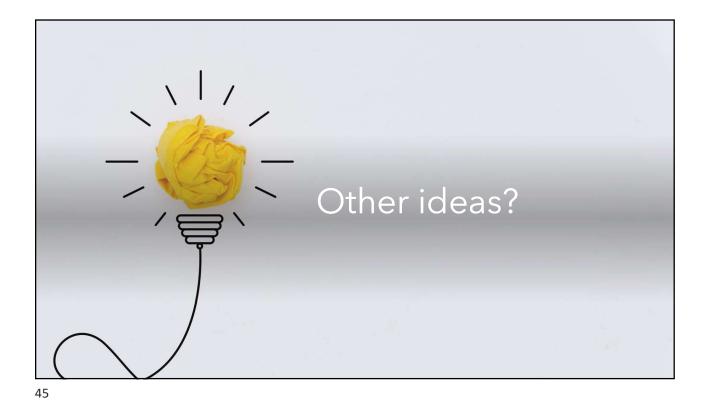












# Schedule

March 6:	Session 1: Get to Know You
March 20:	Session 2: Facilitation & Project Management Skills
April 24:	Session 3: Engaging others in QI
May 1:	Session 4: Performing FMEA/RCA/etc. & Use of
	Discovery Tool
May 22:	Session 5: Data Collection, Analysis & Display
June 12:	Session 6: Just Culture & Communication
MHA MONTANA HOSPITAL ASSOCIATION	
Advancing Health in Montana	



# Contact

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