g Action Plans to Improve Patient Safety the Concepts of Just Culture,
n Factors and System Thinking
op, November 8, 2023





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	Conflict of Interest Statement	_		
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	Emily Barr, Carla Snyder and Gail Brondum			
	have no actual or potential conflicts of interest.	_		
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	1. Consider home a feature and material in health are	_		
	 Describe human factors and systems in healthcare environments and explain their impact on the delivery of safe patient care. 			
	Define Just Culture and describe its role in improving patient safety.	_		
	3. Discuss the five rules of causation. 4. Describe the Hierarchy of Interventions for the reduction of risk and illustrate how it can be used	-		
	to develop strong action plans. 5. Apply concepts utilizing example healthcare event scenarios.	-		
	dentify resources to support patient safety improvement efforts.	-		
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	Acknowledgment		 	
	Much of the content in this presentation is based on the Just Culture Certification and Train the Trainer curriculums developed by Outcome Engenuity, LLC (which is now the Just Culture Company).	-		
	David Marx, JD is the founder and CEO of the Just Culture Company and is considered a Just Culture pioneer. The focus of the Just Culture Company is to help high-risk	-		
	organizations develop safety-supportive cultures through the integration of systems engineering, human factors, and the law.	-		

Introductions



Please briefly introduce yourself by telling us:

- Your name
- Organization
- Role within the organization
- One thing you would like to take away from today's workshop – is there a problem you are trying to solve at your organization?

7

A Safety Moment: Annie's Story

Positive system approach to an adverse event



https://www.youtube.com/watch?v=zeldVu-3DpM&feature=youtu.be

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What does workplace justice look like today?

Why do we struggle with it?

What do you think?

What is your experience?



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An experienced surgeon sees a new piece of equipment at a conference. Back at the hospital, a sales representative persuades her to use the equipment for a procedure. She has never used the equipment before and accidentally punctures the patient's bowel. The surgeon repairs the bowel and the patient recovers fully. The OR has a policy that says new equipment will be officially approved and training will be conducted prior to its use.

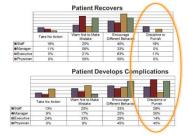
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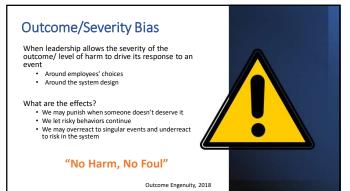
Scenario #2

An experienced surgeon sees a new piece of equipment at a conference. Back at the hospital, a sales representative persuades her to use the equipment for a procedure. She has never used the equipment before and accidentally punctures the patient's bowel. The surgeon repairs the bowel but the patient develops life-threatening complications due to an infection caused by the accidental puncture. The OR has a policy that says new equipment will be officially approved and training will be conducted prior to its use.

11

Survey Results







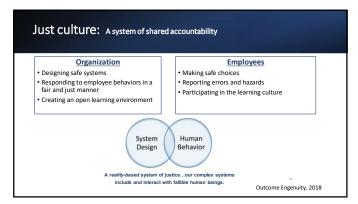
Was outcome/severity bias at play in Annie's story?

What do you think?

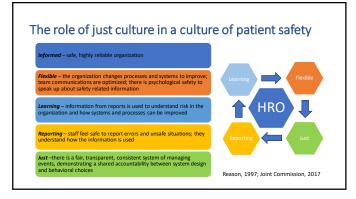
What were the results?

14











The proposition is this: framed by the right systems of learning, the right systems of justice, we can design systems and help humans make choices in those systems to produce better outcomes at the individual, local, and societal level. **David Marx, Founder of Outcome Engenuity and The Just Culture Company







Life, liberty, and the pursuit of happiness

- As humans, the pursuit of happiness is our basic mission
- We are very mission oriented as human beings
- Our mission is our reason for acting
- We protect our values as we seek our mission
- Values help us know how to behave as we work toward our mission

23

Mission

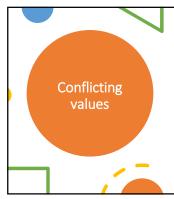


- Provide exceptional healthcare services
 Improving the health of our communities
 To lead and innovate in healthcare delivery and community wellness

Values



- Respect
- Integrity
- Dignity Quality
- Trust • Teamwork
- Patient-centered
- Inclusion



A hospital permits up to three late arrivals per quarter before a counseling is initiated. A nurse has been late twice within one quarter. Coming in to work one morning, she notices an elderly man stranded on the side of the road struggling with a flat tire. She stops to help him, which results in her arriving at work 15 minutes late.

25

Questions? Concerns? Ideas?

- √ Missions and values exist on many levels societal, organizational, personal.
- $\checkmark\mbox{The world}$ is a messy place and values will compete with one another.
- ✓ Just Culture will help you move through the messiness to make logical decisions about workplace accountability and justice.

26



Human Fallibility

Humans are not perfect and are likely to make mistakes or fail in what they are doing.

- To Err is Human
- To Drift is Human
- Cognitive Bias is Human



28

To Err is Human Unintended action or omission Slip, lapse, or mistake Active (mosquito) Latent (swamp) What are some examples? How do we feel when we make an error?

29



To Drift is Human

Humans drift from safe behaviors when:

- We become comfortable with a situation
- We don't recognize the risk
- We become comfortable with the risk
- We believe the risk is justified

What are some examples?

Does drift make us bad people?

Cognitive bias



- Mental shortcuts which are inherent in how the human brain works.
- Systematic errors in thinking that may lead to errors or unintended
- Probably due to our limited capacity to process the available information in a short amount of time.
- Often used in complex, unfamiliar, uncertain, time-pressured situations.
- Hundreds of types of cognitive bias.

Korteling, Brouwer, Toet, 2018

31

Common types of cognitive bias

Examples of common biases that can contribute to error at work:

- Skill-based: (frequency) inattentive to the task because they perform it so much, become comfortable with risks, and are less sensitive to hazards that are present. "Auto-pilot"
- Rule-based: (similarity) don't notice subtle differences in items or procedures that are similar. "Look alike, sound alike"
- Knowledge based: (confirmation) confident about their knowledge and beliefs and look for information that supports that belief. "Missed diagnosis"

Korteling, Brouwer, Toet, 2018

32

Thinking frameworks:

System 1: Thinking Fast

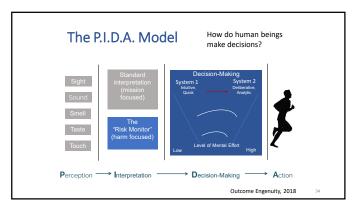
- intuitive
- automatic
- quick decision making
- lower effort

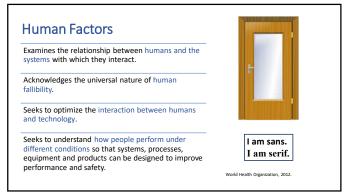


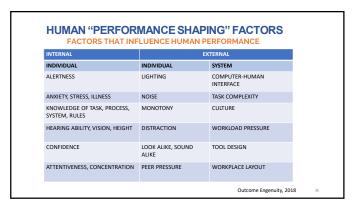
System 2: Thinking Slow

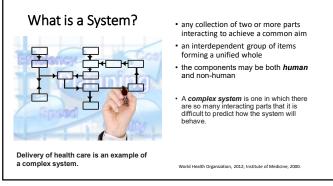
- deliberate
- analytic
- conscious,
- higher effort

Kahneman (2011); Korteling, Brouwer, Toet (2018)









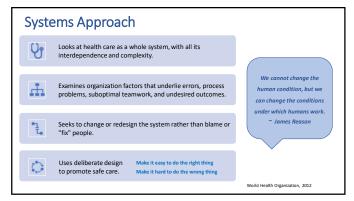
What makes healthcare delivery complex? What do you think?

- Task diversity
- Diversity of humans within the system (patients, clinicians, staff)
- Number of interactions
- Dependency of healthcare providers on each other
- Variation in physical layout, processes, policies
- New technology
- Specialization
- Vulnerability of patients



World Health Organization, 2012

38



Annie's story

- What human factors can you identify in Annie's story?
- What system design factors can you identify?
- · How about cognitive bias?



40

Housekeeping

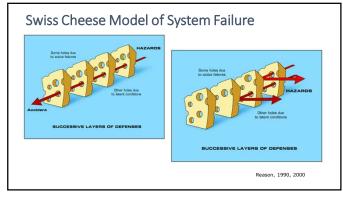
A housekeeping worker was waxing the floors around 10:00 p.m. He could not find a wet floor sign and would have had to go to another building to search for one. Believing he was alone in the building, he did not search for a warning sign. The Chief Financial Officer slipped on the wet floor and severely damaged his knee. The housekeeping staff frequently had to search for the wet floor warning signs which caused them to get behind in their work. The housekeeping manager was aware of the unavailability of signs, but did not take any action to purchase more.

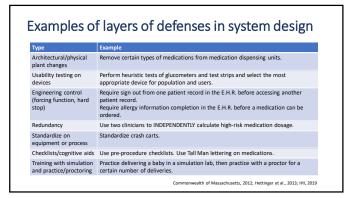


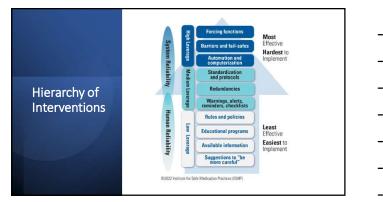
- What human factors can you identify in this story?
- What system design factors can you identify?
- Can you think of examples of cognitive bias or thinking frameworks which may have been involved?

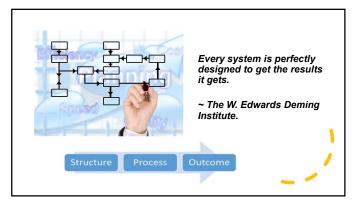
41

Structure Process Outcome Structure Process Outcome Structure Process Outcome Emironment and resources needed to provide services. Facilities, equipment, staff, money, supplies. Leadership organization and operations. Example: Number and qualifications of pharmacists in a hospital. How is the system designed to work? Are appropriate resources allocated to reduce the likelihood of harm? Doubledan, 1966, 2001, Makary, Martin, Serton, et al. 2006.









Questions? Concerns? Ideas?

- ✓ As a leader, you are accountable for system design and performance
- ✓ Be aware that humans will make mistakes and drift from safe behavior
- ✓ Use your knowledge of human fallibility and human factors to design safer systems that make it harder to do the wrong thing and easier to do the right thing

47









Five Human Behavi	ors = Five	Intention
	1 Purn	200

- 1. Purpose
 2. Knowledge
 - 3. Reckless Behavior
 - 4. At-Risk Behavior
 - 5. Human Error

Marx, 2019;The Just Culture Company, 2021

52

O u t c o m e Intention regarding the outcome – to cause harm
Intention regarding the <u>outcome</u> – to cause harm
Conduct
Intention regarding the act itself – to take a risk

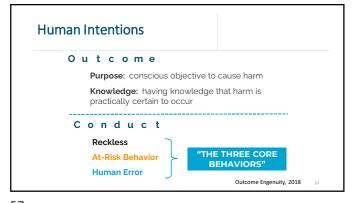
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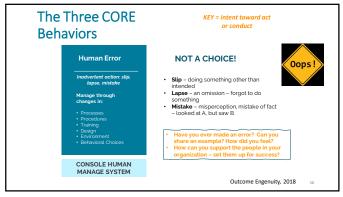
O u t c o m e Purpose: conscious objective to cause harm Knowledge: having knowledge that harm is practically certain to occur C o n d u c t

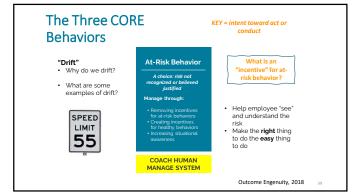
Marx, 2019;The Just Culture Company, 2021

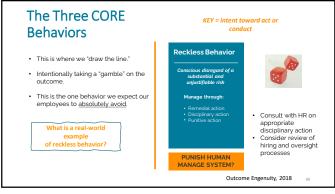














Quiz: Why Is At- Risk Behavior The Biggest Threat To Safety?



Human errors are often single events or failures



frequently



- c. At risk behaviors can become habitual and pervasive
- a. All of the above

62

Exercise:

How/why do at-risk behaviors become habitual and pervasive?

What you permit, you promote.

As humans, we **drift** from safe behavior

Nothing bad happened before (risk not recognized)

This is the way we've always done it

Everyone else does it

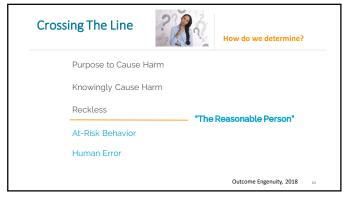
"Incentives" may exist for at-risk behavior

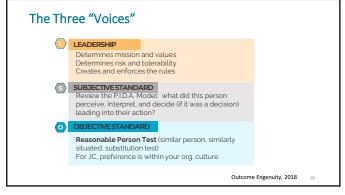
Compliance with safe practices is not the priority

Compliance with safe practices is not the standard

Compliance with safe practices is not monitored

Compliance with safe practices is not enforced

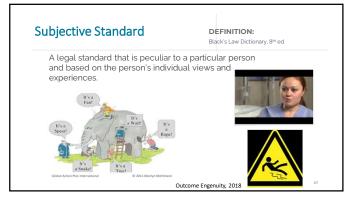




65

DEFINITION Determines Mission, Vision, Values Sets the standards, rules and expectations Determines the risk threshold Imposes the rules Determines justice

Outcome Engenuity, 2018







Questions'	
Concerns?	

Ideas?

- ✓ Understanding intent can help you develop a fair, consistent system of workplace justice.
- ✓ Use the three voices Leader, Subjective, Objective to help you determine intent and respond appropriately.
- ✓ We do not expect perfection we expect safe choices.

70

10-minute break?

71

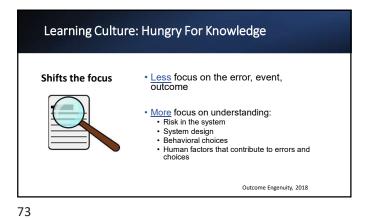
71

Mission, Values, and Expectations

System Design

Managing Behavioral Choices

Learning



EVENTS = windows to understanding reliability of work processes and risk in system

Structured, consistent, fair approach to event investigation = learning from events = improved reliability = better outcomes

74



Threshold Investigation



- Subjective standard
- Interview person(s) involved in the event
- Tell them how you will use the information
- Use open-ended questions
- Let them tell their story about what happened
- Review any related documentation looking for the facts

Outcome Engenuity, 2018

76

Threshold Investigation

What normally happens?

- Interview the person involved
 Walk you through the process
 How is this job/action usually performed?
 What is "the norm"?
- Interview a similarly situated person same questions as above
- Look for the objective or reasonable person standard
- Perform the "substitution test"
- Tell them how you will use the information · Use open-ended questions
- Let them tell you about how the process is currently working
- The "norm" is not the reason why a violation occurred; instead it can tell you the prevalence of the behavior

 Outcome Engage 2011

 Outcome Engage 2011

 Outcome Engage 2011

 Outcome Engage 2011

 Outcome Engage 2011

77

Threshold Investigation

- What does procedure require? • Why wait to ask this now? Why not ask this first?
- Ask someone not involved in the event
- Look it up
- This will tell you:
 - · What was supposed to happen
 - How the system was designed to work
 What else might this tell you?

Outcome Engenuity, 2018

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3 Mental Models







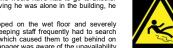
WHAT HAPPENED IN THIS EVENT

HOW THE TASK IS NORMALLY DONE HOW THE SYSTEM WAS DESIGNED TO WORK

79

Housekeeping

A housekeeping worker was waxing the floors around 10:00 p.m. He could not find a wet floor sign and would have had to go to another building to search for one. Believing he was alone in the building, he did not search for a warning sign.



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The Chief Financial Officer slipped on the wet floor and severely damaged his knee. The housekeeping staff frequently had to search for the wet floor warning signs which caused them to get behind on their work. The housekeeping manager was aware of the unavailability of signs, but did not take any action to purchase more.

No Wet Floor Sign: Answer the first 3 Threshold Questions

80

Threshold Investigation

Why did it happen?

- Begin looking for causes (not blame)
- Remember that a person who has erred may not know why they have
- Seek to understand the process so you can see the $\underline{\text{risks}}$ involved
- Look for performance shaping factors
- Look for system design factors

Outcome Engenuity, 2018 8



Why did it happen?

Five rules of causation

- 1. Seek to explain the causes behind each human error
- 2. Search for an explanation for every at-risk behavior
- 3. Failure to act is only causal when there is a pre-existing duty to act (from where does the duty arise?)
- 4. Negative descriptors should not be used (poorly, inadequately)
- 5. Clearly show the cause-and-effect relationship

Outcome Engenuity, 2018

82

	ENCE HUMAN PERI	FORMANCE
INTERNAL	E	XTERNAL
INDIVIDUAL	INDIVIDUAL	SYSTEM
ALERTNESS	LIGHTING	COMPUTER-HUMAN INTERFACE
ANXIETY, STRESS, ILLNESS	NOISE	TASK COMPLEXITY
KNOWLEDGE OF TASK, PROCESS, SYSTEM, RULES	MONOTONY	CULTURE
HEARING ABILITY	DISTRACTION	WORKLOAD PRESSURE
CONFIDENCE	LOOK ALIKE, SOUND ALIKE	TOOL DESIGN
ATTENTIVENESS, CONCENTRATION	PEER PRESSURE	WORKPLACE LAYOUT

83

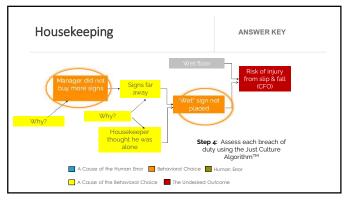
Introduction To Causal Diagramming

Starting Point: 5 Threshold Questions

- Identify the undesired outcome far right-hand side
 Harm to persons
 Harm to property

 - Increased risk (likelihood and potential to cause harm)
- To the left, from top to bottom in order of time, identify the direct and probabilistic causes that had to line up for this harm or potential harm to occur (the "but for" causes)
- 3. Ask "why?" for every error and every choice to continue to identify direct and probabilistic causes. If you don't know "why", don't assume_investigate.
- Assess breaches of duty using the Just Culture Algorithm™

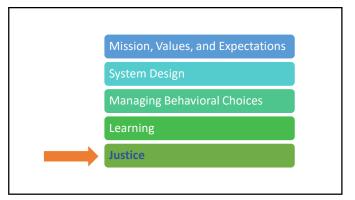
Outcome Engenuity, 2018

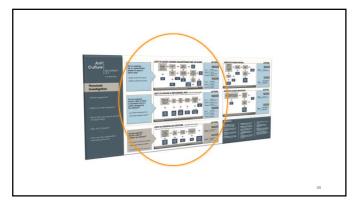


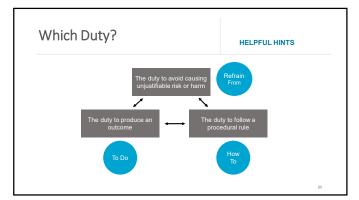
Questions? Concerns? Ideas?

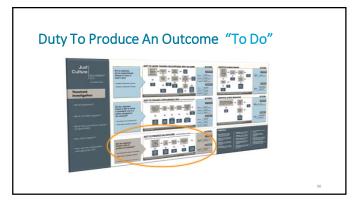
- ✓ Events are opportunities to understand the risks inherent in your systems and processes.
- ✓ Just Culture shifts focus from errors and outcomes to learning about systems and behaviors.
- $\checkmark\,$ Using a structured approach to event investigation will improve organizational learning.

86







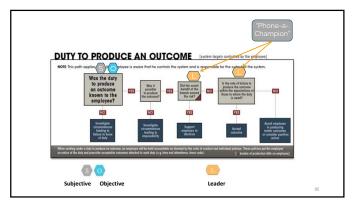


Late to Work

Which duty?

The medical records clerk has been having trouble getting to work on time. He has a three month old child and has found the early morning daycare drop-off to be quite difficult. He has been counseled by the medical records supervisor about his repetitive tardy arrivals at work. He has been put on notice that, per policy, one more tardy day this month would result in disciplinary action. Today, he arrived late to work again. He claims that he was stuck behind an accident on the freeway that had caused the freeway to be closed – trapping a ½ mile stretch of cars on one section of the freeway for about 30 minutes. The freeway closure was verified by television news reports.

91



92

Duty To Follow A Procedural Rule "How To"



Hand Hygiene

Which duty?

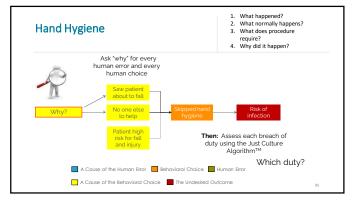
A hospital had been working very hard to improve hand hygiene to prevent infections and keep patients safe. All staff were to use hand gel upon leaving and entering every patient room, with no exceptions. Secret shopper audits showed excellent compliance with hand hygiene on nursing units.

While completing care for patient A, a nurse turned around to see Patient B, across the hall, crawling out of the end of the bed.

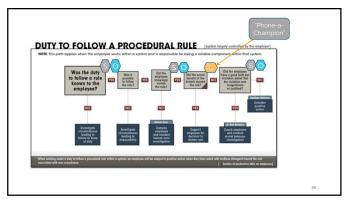
Patient B was an elderly frail female with osteoporosis who had been identified at high risk for falls. There was no one else nearby to help.

The nurse quickly rushed across the hall to Patient B's bedside, reaching her just in time to catch her as she tried to stand and began to topple over. The nurse helped Patient B get seated safely on the bed.

94



95



Hand Hygiene

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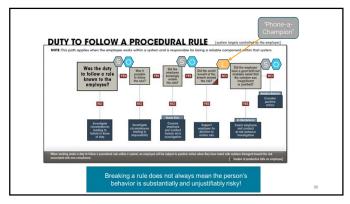
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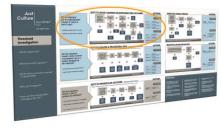
Patient B had an open wound on her arm, which the nurse inadvertently came in contact with while assisting her. Patient A was being treated for a severe wound infection. Several days later, Patient B's arm wound became infected with the same organism. Patient B later died as a result of the wound infection.

97



98

Duty To Avoid Causing Unjustifiable Risk Or Harm "Refrain From"

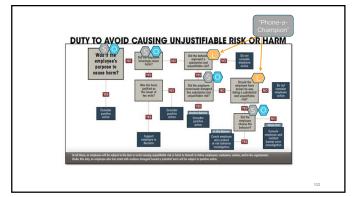




Unlabeled Syringe

A nurse arrives at the patient's bed with two syringes in her pocket. One was prepared by the nurse at the central nurse's station; it had no patient name or medication label. The second syringe also did not have a label, and the nurse did not know where it came from. She guessed that she must have also picked it up by mistake from the central nurse's station. Knowing that she just prepared a medication with 2 ml of the drug, and the second unknown syringe only had 1.5 ml filled, she decided to use the unmarked syringe having 2 ml of drug.

101





Phlebotomy

A phlebotomist who formerly worked for a blood bank has worked at the hospital for two months. During this time, she has inadvertently left tourniquels on six patients after completing the blood draw and leaving the room. The tourniquels were all found by patients or nurses. Four of the patients were not injured, one patient had a temporary loss of feeling, and another patient sustained a serious injury.

At the blood bank where the phlebotomist previously worked, the procedure was to use blood pressure cuffs instead of tourniquets and to leave them on patients.

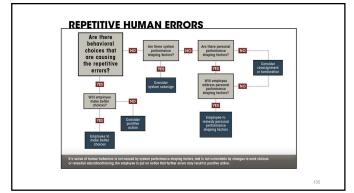
The hospital tourniquets are light blue (same color as the patient gowns). The gown sleeves are long and often cover the tourniquets. There is not a standard number of tourniquets in the blood draw trays each day. The phiebotomist does the mejority of the blood draws in the hospital and has to move quickly to complete them on time. The lab gets a lot of negative feedback from physicians when test results are not available for morning rounds.

The laboratory director has reminded the phlebotomist twice that she needs to remember to take the tourniquet off before leaving a room. After the fifth incident, the laboratory director warned the phlebotomist that any more mistakes could result in losing her annual borus. The phlebotomist sperformance at the blood bank was stellar and she came with highest recommendations. In fact, she was a lead member of such as changing the color of the fourniquets and using a standard number of tourniquets in the trays, but he insists that the process isn't the problem.

The previous phlebotomist that worked for this hospital was terminated for repetitive errors related to leaving tourniquets on patients.

Source: Nebraska Coalition for Patient Safety

104



Wrong Medication

A nurse pulled an IV antibiotic from the automated medication dispensing system for a patient and received an error message when using the barcode scanner on the medication vial. She then scanned the bag of IV solution for the patient and the barcode scanner accepted it.

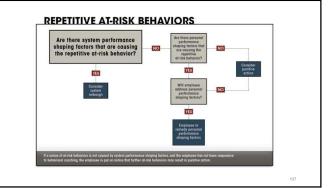
The nurse had been caring for this same patient for subsequent days and was in a hurry. She had seen similar error message alerts when using the scanner and found they didn't provide much direction. She went ahead and added the IV antibiotic to the IV solution and administered it to the patient. A few minutes later the nurse realized the antibiotic vial was a different color than the one she had used the day before and identified that she had given the wrong antibiotic. She discontinued the IV and reported the error. The patient was not harmed.

This is the third medication error this nurse has had in two months, due to bypassing the barcode scanner. When she was interviewed, she said the barcode scanner is frequently giving error messages. She also noted that the unit is frequently short staffed by at least one nurse and they were short the day of this event.

Other nurses were interviewed about the scanner and agreed that it often gave false error messages, but they normally followed the policy to then have two nurses do an independent double check of the medication and patient before bypassing it and giving the medication.

Source: Nebraska Coalition for Patient Safety

106



107

Threshold Investigation

How were we managing it?

- Use the investigation as a $\underline{\text{window to risk}}$
- What did you discover as you searched for causes?
- What was the system design around risk?
 - Reliance on human vigilance?
 - System complexity contributing to workarounds?
 - Performance shaping factors within the system?
 - Competing priorities?
- Event investigation is reactive/retrospective

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Outcome Engenuity, 2018

Questions? Concerns?

Ideas?

- ✓ Use the Just Culture Algorithm to guide your approach to conducting an investigation.
- ✓ Identify which duty was breached to help you evaluate human error, at-risk, or reckless behavior.
- ✓ Just Culture balances system and individual accountability.

109

Developing Strong Action Plans In A Just Culture



- · Identify system causes
- Respond to human behavior with appropriate just culture follow up use the JC Algorithm
- Focus on breaking the causal chain
- · Select interventions
- Use knowledge of human factors and system design to develop a strong action plan
- Document and communicate your plan
- Evaluate results and adjust (PDCA)
- · Communicate results with staff and leaders

110

Time Out for an Important Message:



- We have <u>not_</u>conducted a Root Cause Analysis (RCA)
- We have walked through steps of a threshold investigation
- These steps are in alignment with an RCA but are somewhat
- The steps of conducting a threshold investigation may suffice for many of your events, however, some events will benefit from a Root Cause Analysis

The purpose of our training today is to help you understand just culture, human factors and system design as they relate to creating strong action plans.

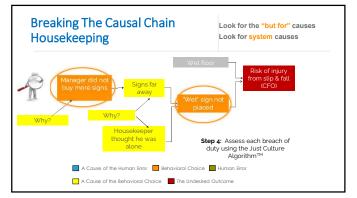
Identify Causal Factors

- Use information from your threshold investigation and causal diagramming
- · Remember the five rules of causation
- · Test the causal chain
 - "But for" A, would B have happened?
 - . If I remove A, does it change the result (B)?
- Identify system factors as far back in the causal chain as you can and focus efforts there



- How were you managing risk? What opportunities for improvement are there?
- Use a parking lot for items that are not causal in this case but need to be addressed

112



113

Which causes to address?

How to build consensus in prioritizing causes to focus efforts and resources. Try using a risk-based prioritization system, such as the Safety Assessment Code (SAC) Matrix

How the SAC Matrix Works

		DEVERTIT			
		Catastrophic	Major	Moderate	Minor
	Frequent	3	3	2	1
	Occasional	3	2	1	1
PROBABILITY	Uncommon	3	2	1	1
	Remote	3	2	1	1

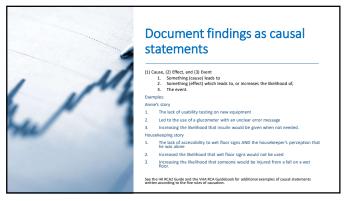
When you pair a severity category with a probability category for either an actual event or close call, you will get a ranked matrix score:

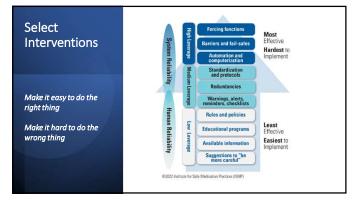
intermediate risk = 2



*These categories apply to actual adverse events and $\underline{\mathsf{potential}}$ events (close calls).

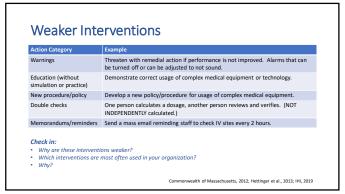
https://www.patientsafety.va.gov/professionals/publications/matrix.asp
IHI RCA2 guide: http://www.lhi.org/resources/Pages/Tools/RCA2-Improving-Root-Cause-Analyses-and-Actions-to-Prevent-Harm.aspx ote: The Joint Commission has a similar tool called the SAFER Matrix. ttps://www.jointcommission.org/-/media/tjc/documents/accred-and ert/safer-matrix/safer-infographic.pdf

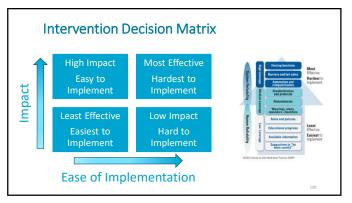


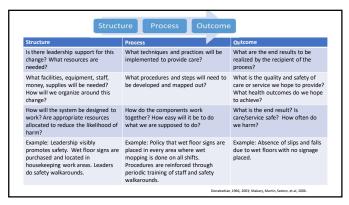


Action Category	Example
Architectural/physical plant changes	Replace revolving doors at the main patient entrance into the building with powered sliding or swinging doors. Remove certain types of medications from medication dispensing units.
Usability testing on devices	Perform heuristic tests of glucometers and test strips and select the most appropriate device for population and users.
Engineering control (forcing function, barrier, fail-safe)	Eliminate use of universal adaptors and use tubings/fittings that can only connected the correct way. Require sign out from one patient record in the E.H.R. before accessing another patient record. Require align out from an expectation of the E.H.R. before a medication can be ordered.
Simplify process	Remove unnecessary steps in a process (create a quick reference guide for each IV pump maintenance tech instead of a large shared policy and procedure manual)
Standardize on equipment or process	Standardize make and model of medication pumps used throughout the institution. Standardize crash carts. Use bar coding for all medication administration.
Tangible involvement by leadership	Participate in unit patient safety evaluations and interact with staff (walk arounds); support RCA process; purchase needed equipment; ensure staffing and workload are balanced.
	Commonwealth of Massachusetts, 2012; Hettinger et al., 2013; IHI, 2019

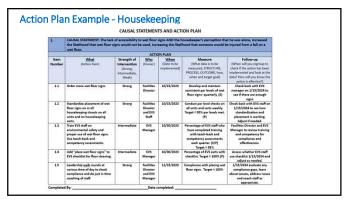
Action Category	Example
Redundancy	Use two clinicians to INDEPENDENTLY calculate high-risk medication dosage. Use TWO patient identifiers at every clinical interaction with the patient. Require a time out for specified procedures.
Warnings, alerts, reminders, software enhancements	Use computer alerts for drug-drug interactions.
Eliminate/reduce distractions	Provide quiet rooms for programming PCA pumps; remove distractions for clinicians when preparing medications.
Checklists/cognitive aids	Use pre-procedure checklists. Use discharge checklist. Place warning sign on MRI door. Use Tall Man lettering on medications. Highlight medication name and dose on IV bag.
Standardized communication tools	Use read-back for critical lab values. Use read-back or repeat-back for verbal medication orders. Use SBAR for communications about patients. Use a standardized patient handoff format.
Training with simulation and practice/proctoring	Practice delivering a baby in a simulation lab, then practice with a proctor for a certain number of deliveries. Conduct disaster drills based on relative hazards periodically and conduct after action debriefs.
	Commonwealth of Massachusetts, 2012; Hettinger et al., 2013; IHI, 2







Action Planning Document a causal statement in the blue bar at the top. Fill in what action item(s) will be implemented to mitigate the causal factor. Complete all columns to monitor progress. Repeat for all causal statement in the action plan. Fold another example from the here: Sure the PDCA cycle of improvement to limplement the action plan. Fold another example from the here: I CAUSAL STATIMENTS. ACTION FAM. Signature Minuted in Market Mackains Minuted in Mackains Minute





Keep Going... PDCA

- Plan the intervention
- Do the test of change
- Check the results
- Act based on the results. Tweak if needed. Use information to plan and implement wider changes.
- Repeat as needed until results are satisfactory



https://asq.org/quality-resources/pdca-cycle

125

Traffic Light Report Example

- Green: project complete
- Yellow: in progress
- Red: on hold or can't be done list reasons why

Action Item	Progress
Wet floor signs ordered and received	Wet floor signs in main housekeeping supply room 10/15/2023
Staff training on environmental safety and proper use of wet floor signs	Training with practice and competency completed for 5 of 10 housekeepers by 10/30/2023
Action Item	Impediment
Wet floor signs to be placed in all housekeeping closets on units	No room to put hangers to store signs – re-evaluating plan on 10/20/2023



How might closing the feedback loop on action plans from event investigations...
• foster trust?
• improve reporting?
• improve staff

engagement?

Questions? Concerns?

Ideas?

- ✓ Direct action plan at system and process problems which are causal. Break the causal chain.
- ✓ Select strong and intermediate interventions whenever possible.
- ✓ Follow through on your Action Plan to ensure effectiveness. Use the PDCA cycle to improve.

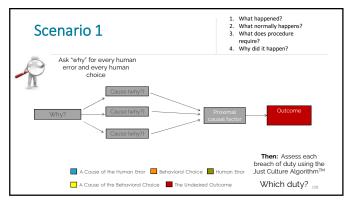
127

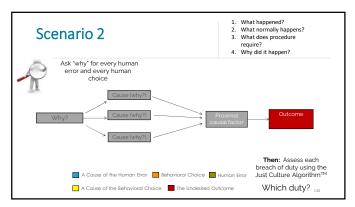
Practice With Scenarios

- Everyone will receive the same scenario
- You will each be assigned a role in the scenario
- Work through the provided worksheet to help you conduct the threshold investigation, conduct a causal diagram, and develop an action plan for the scenario
- Use the tools that you have learned about today to conduct your investigation and create an action plan. Copies of some of the tools and some examples have been provided.
- Let us know if you need us to go back to a slide in the presentation to refresh your memory
- We will report out together as a group and discuss your findings and recommendations for action planning
- You will have 20 minutes to work through the scenario and we will have 10 minutes to report out as a group.
- We will share the learning with each other!

128

128





Resources

- Nebraska Coalition for Patient Safety (NCPS) https://www.nepatientsafety.org/
 RCA, Just Culture, TeamSTEPPS Training
 Patient Safety Cutture Survey
 Patient Safety Cutture Survey
- Brondum Quality Improvement Strategies, LLC gailbrondum55@gmail.com

 Just Culture, Quality Improvement, Regulatory Compliance, Root Cause Analysis
- Nebraska Association for Healthcare Quality, Risk and Safety (NAHQRS) https://www.nahqrs.org/
- Nebraska Hospital Association (NHA) https://www.nebraskahospitals.org/
- The Just Culture Company https://www.justculture.com/
 Think Reliability (Root Cause Analysis training and webinars) https://www.thinkreliability.com/
 Agency for Healthcare Research and Improvement https://www.hang.gov/news/psnet.html
 Institute for Healthcare Improvement (HIII) https://www.lhoin.gr/resources/Pages/Tools/RCA2-Improving-Root-Cause-Analyses-and-Actions-to-Prevent-Harm.aspx
 Joint Commission https://www.jointcommission.org/
 Veteran's Health Administration Center for Patient Safety
 Institute for Safe Medical Practices (ISMP) https://www.ismp.org/

131







134

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