JUST CULTURE BUILDING A CULTURE OF LEARNING





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PROBLEM STATEMENT

We need to better understand the principles and tools of just culture to know whether this is the right time to advocate to senior leaders that we implement this innovation.

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JUST CULTUREDEFINEDA system of shared accountabilityOrganization• Systems you have
designed• Responding to employee
behaviors in a fair and
just manner• Responding to employee
behaviors in a fair and
system of justice that reflects reality...complex

A system of justice that reflects reality...complex socio-technical systems collide with the free will of fallible human beings

OUR TIME TOGETHER

Begin 1:00 Break 2:30 - 2:45? End 4:30

This is your training. Be sure we meet your needs by:

- · Confirming the problem statement
- · Asking questions to clarify
- Agreeing upon our goal...

We want to better understand the role of Just Culture principles and tools within our facilities and discuss how to implement them to improve our culture of safety.

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ROLE OF JUST CULTURE IN A CULTURE OF SAFETY

- Just Clear line between acceptable & unacceptable behavior; shared accountability between management and staff to address root causes of events; management is accountable for system design and staff are accountable for their behavior
- Reporting Reporting is rewarded; people in direct contact with risks and hazards report their errors and near misses
- Flexible (Teamwork) The organization is adaptable and flexible; authority gradients relax when safety information is exchanged; there is psychological safety to speak up about safety related information
- Learning The organization is willing to learn from its safety information systems and sensemaking conversations; it takes action to implement evidence-based innovations to improve structures and processes of care

Reason, J. Managing the Risks of Organizational Accidents. Hampshire, England: Ashgate Publishing Limited; 1997.

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HSOPS 2.0

- Why mess with a good thing? Need to... 1.Reword complex survey items
 2.Add Not Applicable/Don't Know...increases percent positive!
 3.Revise Nonpunitive Response to Error to a Just Culture framework...Response to Error
 4.Revise Staff Positions and Units/Work Areas
 Significant Changes
 - Only 5 items unchanged, 21 items dropped, 25 items reworded, 10 new items
 - 10 composites instead of 12
 - Communication about error 6. Reporting Patient Safety Events
 - Communication openness Handoffs and information
- Response to Error
 Staffing and work pace
- Staffing and work pace
 Supervisor/manager/clinical

10. Teamwork

leader support for patient safety

- exchange 4. Hospital management support
- for patient safety 5. Organization learning
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1.

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Just Culture 5 Skills	HSOPS 2.0 Items	
1. Align Values and Expectations- the expectations and behavior of managers are consistent with the organization's mission and values	"Hospital management seems interested in patient safety only after an adverse event happens." "My supervisor/manager or clinical leader seriously considers staff suggestions for improving patient safety."	
2. Design Better Systems and 3. Learn to Systematically Learn- managers design reliable systems that anticipate human error and facilitate individual decision- making; managers support proactive learning from errors and near misses	"This unit lets the same patient safety problems keep happening."	
	"This unit regularly reviews work processes to determine if changes are needed to improve patient safety." "In this unit, changes to improve patient safety are evaluated to see how well they worked."	

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WHAT IS WORKPLACE JUSTICE TODAY?

Do you struggle to know how to best respond to individual employee behaviors?

- Individually?
- As an organization?
- What do front-line staff think?

Why do we struggle?





prior to its use.

SURVEY RESULTS SOURCE: DE-IDENTIFIED HOSPITAL, 2008 Group 1 Patient Recovers Take No Action Different Be Group 2 Patient Develops Complications Take No Action urage Behavior Diffe 13% 14% 15

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A SIMPLE MODEL Serve the Mission Inspiring healthy living by providing exceptional health Protect our Values and life services for every person, every time Du Excellence Integrity Consequence based on Just Collaboration Culture Is breaking a rule ever the right thing to do to be https://www.jchealthandlife.org/about/mission-vission/ consistent with our mission **Our Mission and Values** and values?

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- other stimuli Anchoring—reliance on an initial piece of information, which may be irrelevant, to make subsequent judgments
- Availability—make judgments about probability of an event based on ease (availability) of recalling examples
- Choices (prospect theory)—we are risk-averse; we are more likely to act to avoid a loss than to achieve a gain
- Framing—context in which choices are presented affects decision
- Substitution bias—substitute the answer to a simple question when you are really trying to answer a more complex question

Chabris C & Simons D. The Invisible Gorilla: How Our Intuitions Deceive Us. New York: Random House; 2010. Kahneman D. Thinking Fast and Slow. New York: Farrar, Straus and Giroux, 2011.

https://en.wikipedia.org/wiki/Thinking,_Fast_and_Slow



QUESTIONS? CONCERNS? IDEAS?

If you want to change your culture, you will regularly measure staff perceptions of safety culture and link those perceptions to interventions including training programs such as TeamSTEPPS and Just Culture.

If you expect that humans will err and drift, you will value designing better systems that account for human fallibility.

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TO DRIFT IS HUMAN

- How often do you drive >5 mph over the posted speed limit on the interstate?
- What happened the last time you do this?
- We all drift as we get comfortable in a task.
- What stops our drift?



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FIVE SKILLS

- 1. ALIGNING VALUES & EXPECTATIONS
- 2. DESIGNING BETTER SYSTEMS
- 3. MAKING BETTER BEHAVIORAL CHOICES
- 4. LEARNING TO SYSTEMATICALLY LEARN
- 5. FINDING JUSTICE

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COMPLEXITY OF SYSTEMS

- Health care is a sociotechnical system; human beings work in social structures within complex technical environments to achieve goals
- Overarching goals are too large and complex for individuals or even single teams
- Multiteam systems consist of two or more teams that interact to manage complex sociotechnical systems and achieve collective goals
- Think of multiteam systems as the fundamental structure of care delivery

Braithwaite J, Runciman WB, Merry AF. Towards safer, better healthcare: harnessing the natural properties of complex sociotechnical systems. Qual Saf Health Care 2009;18:37–41.
DeChurch LA, Zaccaro SJ. Perspective: Teams won't solve this problem. Hum Factors.

- 2010;52(2):329-334. Mark MA DeChurch LA Mathieu JE Panzer El Alonso A Teamwork in multiteam
- Marks MA, DeChurch LA, Mathieu JE, Panzer FJ, Alonso A. Teamwork in multiteam systems. Journal of Applied Psychology. 2005;90(5):964-971.

SYSTEM DESIGN:

SCENARIO Wrong R_x

A nurse is discharging a patient. Home medications brought in upon admission are stored in a locked cabinet at the nurse's station. A second nurse retrieved the patient's home medications from the nurse's station. At no time in the process did the nurse actually confirm the medications with the patient using two identifiers.

A week later, the patient presented to his local primary care provider not feeling well. He brought his home medications with him. The medications were for another patient, prescribed by a different provider, and filled at a pharmacy the patient does not use.

In this case, the assisting nurse had taken the wrong patient's medications from the locked cabinet.

Ask "Why?" for this action and identify system design factors including all of the teams that may be accountable for medication reconciliation upon discharge.

Source: Nebraska Coalition for Patient Safety

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SYSTEMDESIGN	
Performance Shaping Factors	Example
Environment : Change the precursors to human error and at-risk behavior	Housekeeping responsible for ensuring a clean gait belt is on hook at the head of the bed in each room.
Barriers: Prevent individual errors	Smart infusion pumps that contain pre-programmed libraries with standardized dosing for commonly used intravenous medications
Recovery: Catch errors downstream	 Bar Code Medication Administration at bedside using 7 rights of medication administration (rightpatient, drug, dose, route, time, reason, documentation) Surgical Safety Check List Sponges with radiopaque marker
Redundancy: Add parallel elements	 Independent double check of high alert medications Independent double check of calculations for weight- based dosing

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INVALID...will not work

- Make no mistakes
- No harm no foul
- Machines are 100% reliable

VALID...will work

- Increase knowledge and skill
- Perceive and acknowledge risk
- Implement performance shaping factors to decrease risk

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QUESTIONS? CONCERNS? IDEAS?

BREAK?

As a manager, you control system reliability. Design your systems to anticipate and detect human error and to perceive and acknowledge risk. Be prepared to address consequences of human error.



















HUMAN INTENTIONS

SOURCE: U.S. MODEL PENAL CODE

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- H Purpose to Cause Harm: conscious objective A to cause harm
- R Knowingly Cause Harm: having knowledge that
- M harm is practically certain to occur

R Reckless

- At-Risk Behavior Intention regarding act itself to take risk
- K Human Error

SOURCE: U.S. MODEL PENAL CODE HUMAN INTENTIONS Purpose to Cause Harm: conscious objective н to cause harm Δ R Knowingly Cause Harm: having knowledge that Μ harm is practically certain to occur R Reckless **At-Risk Behavior** THE THREE CORE BEHAVIORS S Κ Human Error 44

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LEADERSHIP

DEFINITION

Sets the standards and rules; determines the risk threshold; determines justice. Imposes the rules.



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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 respond appropriately. We do not expect perfection – we expect safe choices.

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FIVE SKILLS 1. ALIGNING VALUES & EXPECTATIONS 2. DESIGNING BETTER SYSTEMS 3. MAKING BETTER BEHAVIORAL CHOICES 4. LEARNING TO SYSTEMATICALLY LEARN 5. FINDING JUSTICE

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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
- Listen
- The "norm" is not the reason why a violation occurred; instead it can tell you the prevalence of the behavior

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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 the unavailability of signs, but did not take any action to purchase more.





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QUESTIONS? CONCERNS? IDEAS?

Events are windows to understanding risks in your systems and processes. Just Culture shifts focus from errors and outcomes to learning about systems and behaviors. Using a structured approach to event investigation will improve organizational learning.

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FREEVALY ACCIDENT 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 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.







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DUTY TO FOLLOWA

PROCEDURAL RULE "HOW TO"

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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.

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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 tourniquets on six patients after completing the blood draw and leaving the room. The tourniquets were all found by patients or nurses. Four of the patients were not injured, one patient had a temporary loss of fouries or deapter patient autobined to contemplate the patient had a temporary loss of fouries or patients. 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 philebotomist does the majority 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 warred the phlebotomist that any more mistakes could result in losing her annual borus. The phlebotomist's performance at the blood bank was stellar and she carne with highest recommendations. In fact, she was a lead member of a major quality improvement project there. She has recommended some process changes to the lab director, such as changing the color of the tourniquets 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 97

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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

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 discontinued the IV and reported the error.

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.

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

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SCENARIO PRACTICE

- Discuss your assigned scenario at your table.
- Report out in 15 minutes



- 1. Complete the threshold investigation (Hint: create a causal diagram)
- 2. Which duty applies?
- 3. Is this repetitive human error or repetitive at-risk behavior?
- 4. What did you learn/your Ahaa! Moment?
- 5. What difficulty did you have?

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improve our understanding of risk due to: • Our system design

 Our behavioral choices How do we best use our limited resources to minimize the risk of harm, knowing our system is comprised of sometimes faulty equipment, imperfect processes, and fallible

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human beings?

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JUST CULTURE AS AN INNOVATION









IMPLEMENTATION BARRIERS AND FACILITATORS

- What barriers have you experienced implementing Just Culture?
 - ✓ Didn't clearly identify need?
 - ✓ Didn't restructure the organization (e.g. didn't integrate adequately with HR)
 - ✓ Didn't clarify roles (e.g. didn't support managers to use the tools and principles as a peer support group)
 - ✓ Didn't clarify roles by ensuring staff understand the 3 duties and the 3 behaviors
 - ✓ Didn't routinize by integrating use of Just Culture into job descriptions of managers

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NEXT STEPS...WHO, WHAT, WHEN

- Your organization must decide whether use of the Just Culture principles and tools is how you will focus on risk, system design, and management of behavioral choices and NOT on events, errors, and outcomes
- Each manager has to decide to implement the Just Culture principles and tools; then receive confirmation for their choice
- - ✓Clarify roles and responsibilities associated with the implementation...
 - ✓ Routinize the Just Culture principles and tools by changing policy/procedure, job descriptions, performance appraisals

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IMPLEMENTATION STEPS

- Restructure to support the implementation ...
 - ✓ Train managers to use tools and principles (NCPS can provide manager training on site)
 - $\checkmark \mathsf{E}\mathsf{d}\mathsf{u}\mathsf{c}\mathsf{a}\mathsf{t}\mathsf{e}\mathsf{t}\mathsf{s}\mathsf{t}\mathsf{a}\mathsf{f}\mathsf{f}\mathsf{r}\mathsf{e}\mathsf{g}\mathsf{a}\mathsf{r}\mathsf{d}\mathsf{i}\mathsf{n}\mathsf{g}\mathsf{h}\mathsf{o}\mathsf{w}\mathsf{t}\mathsf{o}\mathsf{o}\mathsf{l}\mathsf{s}\mathsf{a}\mathsf{n}\mathsf{d}\mathsf{p}\mathsf{r}\mathsf{i}\mathsf{n}\mathsf{c}\mathsf{i}\mathsf{p}\mathsf{e}\mathsf{s}\mathsf{w}\mathsf{i}\mathsf{l}\mathsf{l}\mathsf{b}\mathsf{e}\mathsf{u}\mathsf{s}\mathsf{e}\mathsf{d}$
- Clarify roles and responsibilities associated with the implementation...
 - How will manager roles change?
 - Do you need certified Just Culture Champions? (NCPS may host a Champions course in 2020...depending upon interest)
- Routinize the Just Culture principles and tools by changing policy/procedure, job descriptions, performance appraisals

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HSOPS AND JUST CULTURE

Would implementing Just Culture principles and tools...

- 1. Improve staff perceptions of management's support for patient safety?
- 2. Improve your ability to analyze and improve systems?
- 3. Improve your ability to learn from near misses and adverse events?
- 4. Improve event reporting and feedback and communication about error?
- 5. Support use of team skills to improve hospital handoffs and transitions?
- 6. Improve support for those who make human errors and choose at-risk behavior due to system design?

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