USING SURVEYS ON PATIENT SAFETY CULTURE TO EVALUATE AND IMPROVE SAFETY CULTURE

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President, NCPS Board of Directors



August 20, 2020



WELCOME!

- This webinar will be recorded and available on the members-only page of the NCPS website (www.nepatientsafety.org).
- CEUs will only be available for participants who attend the live webinar. CEUs are not available for viewing the webinar recording.
- · Participants are in listen-only mode.
- If you have questions, please type them in the question box.
- If we are unable to answer your question during the webinar, we will do our best to provide answers via email after the webinar.
- If we experience technical difficulties, and our connection to attendees is lost, we will make one attempt to reconnect and will continue the program.
- If we are unsuccessful with reconnecting, the date of the rescheduled program will be communicated to you via email as soon as it is made available.

CONTINUING EDUCATION CREDIT

- This program has been approved to award 1.0 hour of continuing education for nurses.
- Continuing Education Contact Hours awarded by Iowa Western Community College, Iowa Board of Nursing Provider #6.
- · Participants must attend the whole event to get CE credit.
- All attendees will be emailed a link to an online program evaluation that we ask you to complete by August 31 to receive continuing education credit.
- In order to receive continuing education, attendees will also be required to complete an online post-test.
 - An email will be sent to all attendees following this program that will have a link to the post-test.
 - · Please complete the post-test by Monday, August 31st.
- <u>Nurse attendees</u> who desire continuing education credit are required to register and create a personal profile on Iowa Western Community College's web site.
 - · The email that is sent with a link to the post-test will contain a pdf attachment with instructions.
 - Completed profile and CE registration need to be submitted by Monday, August 31st to receive continuing education.

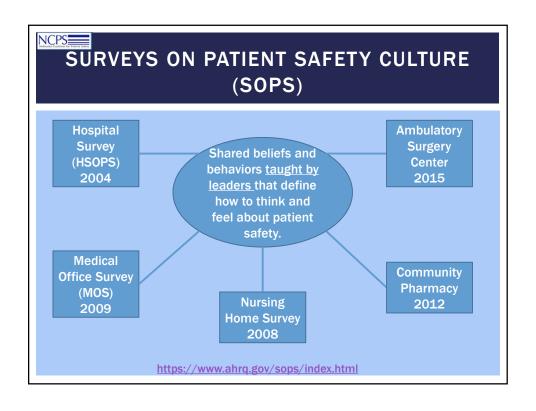
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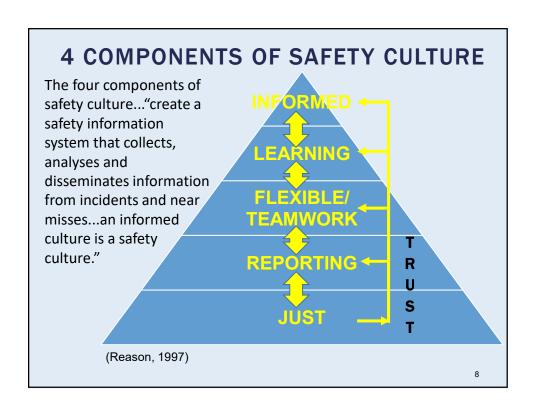
COURSE OBJECTIVES

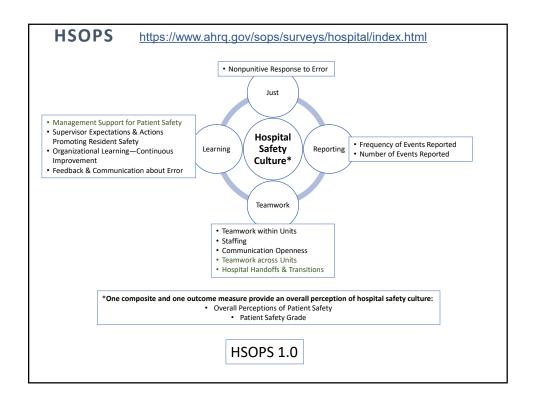
- 1. Explain how conducting a survey on patient safety culture (SOPS) can be used to improve safety culture.
- 2. Analyze how SOPS composite measures relate to the 4 key components of safety culture.
- 3. Identify the healthcare settings for which surveys on patient safety culture are available and the purposes of additional survey modules.
- 4. In the hospital setting, evaluate whether to use the original Hospital Survey on Patient Safety Culture (HSOPS 1.0) or whether to use HSOPS 2.0.
- 5. Evaluate whether to conduct SOPS using internal as compared to external resources.

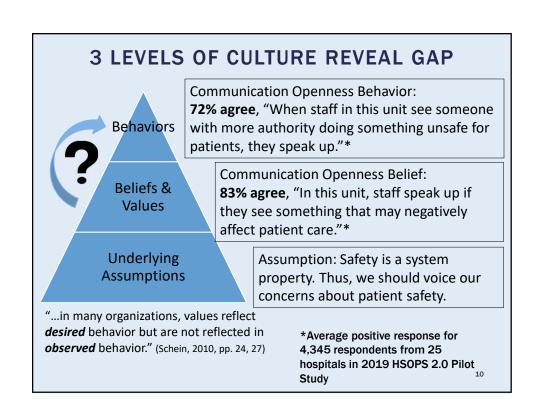


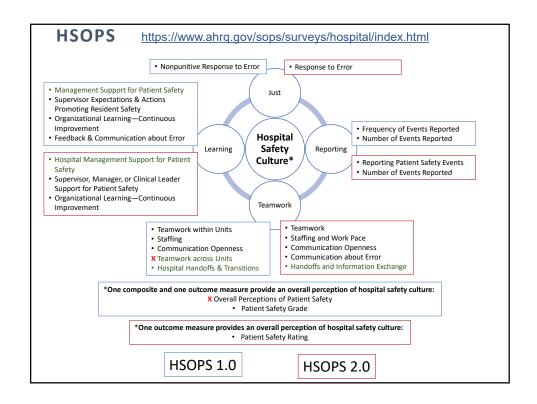


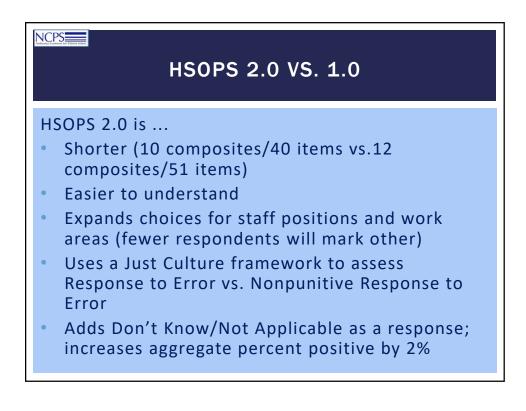














HSOPS 2.0 VS. 1.0

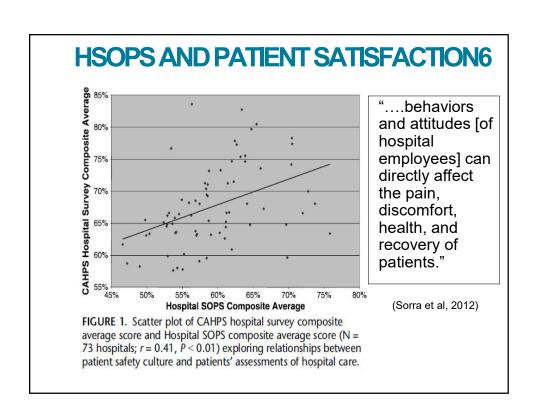
- Unchanged item: "The actions of hospital management show that patient safety is a top priority."
- Reworded item:
 - HSOPS 1.0: "Staff feel free to question the decisions or actions of those with more authority."
 - HSOPS 2.0: "When staff in this unit see someone with more authority doing something unsafe for patients, they speak up."
- Just Culture Framework new items:
 - "When staff make errors, this unit focuses on learning rather than blaming individuals."
 - "In this unit, there is a lack of support for staff involved in patient safety errors."
- Responding Don't Know/Not Applicable is treated as missing and removed from the denominator, which increases the overall percent positive score for an item

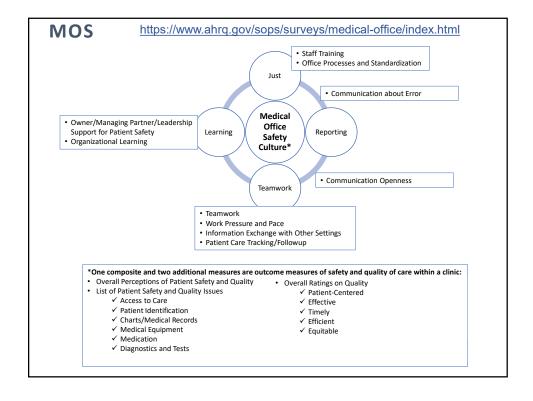


WHICH TO CHOOSE?

- In 2020, hospitals can submit data to the national database from HSOPS 1.0 and 2.0. After 2020, only 2.0 data will be accepted.
 - Submit HSOPS data to national database Oct 1 -30, 2020
- Consider using 1.0 if you have previous action plans based on 1.0 data
- Consider using 2.0 if...
 - You do not have previous HSOPS results
 - It has been more than 2 years since your previous results
 - You want to benchmark to other hospitals past 2020
- NCPS will continue to conduct HSOPS 1.0 and 2.0 to meet the preferences of member hospitals

HSOPS AND PATIENT SAFETY EVENTS Higher HSOPS scores are associated with fewer adverse PSI Composite (Cases events, which 10 validates patient safety culture assessment as a meaningful indication of the safety of 0 patients. 55% 60% 65% 70% 75% **HSOPS Composite Average (Percent Positive Score)** FIGURE 1. Scatter plot of PSI composite versus HSOPS composite average (N = 179). (Mardon, et al., 2010)







HOSPITAL HEALTH INFORMATION TECHNOLOGY PATIENT SAFETY

- EHR Patient Safety and Quality (5 Items)
 - How often is information incomplete/inaccurate, hard to find, entered into wrong record, incorrectly copied/pasted?
- EHR System Training (3 Items)
 - Enough training? Customized training? Training when system down?
- EHR and Workflow/Work Process (3 Items)
 - Enough work stations? enter info in too many places? too many alerts and flags?
- EHR System Support and Communication (3 Items)
 - Timely problem resolution, provide input, know issues that lead to error
- Overall EHR System Rating (1 Item)
 - How satisfied or dissatisfied are you with your hospital's EHR system?
 - Very Dissatisfied to Very Satisfied

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HOSPITAL VALUE AND EFFICIENCY

- Empowerment To Improve Efficiency (3 Items)
 - Encouraged to come up with ideas, involved in decisions
- Efficiency and Waste Reduction (3 Items)
 - Try to reduce waste, improve patient flow
- Patient Centeredness and Efficiency (3 Items)
 - Decrease wait time, ask for patient/family input
- Supervisor, Manager, or Clinical Leader Support for Improving Efficiency and Reducing Waste (4 Items)
 - Recognizes our ideas, provides information, takes action
- Experience With Activities To Improve Efficiency (8 Items)
- Overall rating of whether care is patient centered, effective, timely, and efficient

TEAMSTEPPS TRAINING, KNOWLEDGE, ADOPTION

- Experience in teamwork training
 - a. No formal team training experience
 - b. Some experience in team skills but not with the TeamSTEPPS program
 - c. Completed SOME training in the TeamSTEPPS Modules
 - d. Completed training in ALL of the TeamSTEPPS Fundamental modules
 - e. TeamSTEPPS Master Trainer
- 4 items assess TeamSTEPPS Knowledge: define brief, SBAR, CUS, STEP
- 5 items assess TeamSTEPPS Adoption: use of SBAR, advocacy for patients, structured handoff tool, huddle to adjust plans, and debriefs to learn from experience

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JUST CULTURE TRAINING, KNOWLEDGE, ADOPTION

- Experience in just culture training
 - a. No formal just culture training experience
 - b. Some experience in just culture but not as a result of formal education
 - c. Completed SOME formal training in Just Culture
 - d. Completed extensive formal training in just culture
 - e. Certified Just Culture Champion
 - f. Received training on how to use Just Culture Algorithm
- 4 items assess Just Culture Knowledge: 3 behavioral choices, 3 duties, management response, perspectives used during investigation
- 5 items assess Just Culture Adoption: consider more than staff actions, learning is emphasized, understand factors that lead to errors, staff are treated fairly, review of policies/procedures

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BURNOUT

Two items that assess emotional exhaustion and depersonalization are valid relative to the complete Maslach Burnout Inventory for measuring associations between burnout and patient outcomes.

- 1. I feel burned out from my work.
- 2. I have become more callous toward patients.

(West et al., 2012)

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CODING OPEN-ENDED COMMENTS

- NCPS uses patient safety themes to code open-ended comments and relate these comments to survey results
- On average 15% to 17% of respondents provide an openended comment
- Themes
 - Evidence of Protective Functions
 - Impaired Communication and Teamwork
 - Lack of a Fair and Just Culture
 - Not a Learning Organization
 - Patient Safety Systems Feedback
 - Production Pressure
 - Safety Concerns: general, staffing, EMR, Lack of training/competence

ADVANTAGES OF USING EXTERNAL RESOURCES

- Knowledge and resources to conduct the survey using survey research principles that result in an acceptable response rate > 50%
 - Dillman (2000) tailored-design method used to contact each respondent up to four times to maximize response rate
- Ensure respondent confidentiality
- · Correctly score reverse-worded items
- Analyze open-ended comments
- Summarize results in tools and reports that facilitate effective action planning

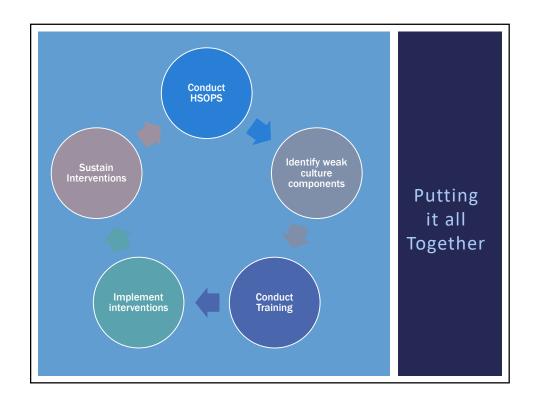
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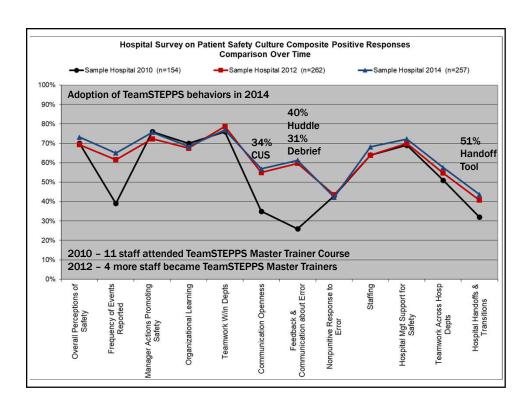
SOPS RESOURCES

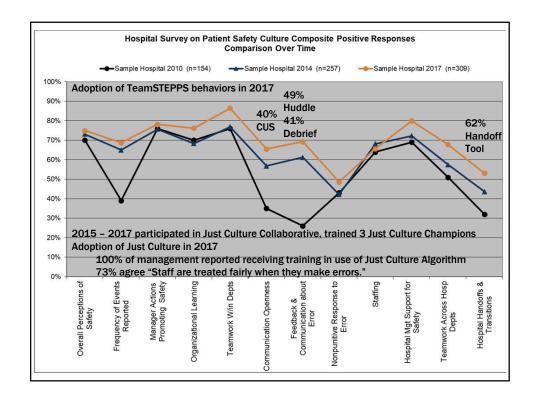
- Nebraska Coalition for Patient Safety https://www.nepatientsafety.org/resources
 - Sample Survey Forms
 - Crosswalk of HSOPS 1.0 to 2.0
 - Supplemental Survey Items
 - Letters of Intent to conduct the survey using NCPS
- Agency for Healthcare Research and Quality https://www.ahrq.gov/sops/index.html
 - Survey Forms
 - Survey User Guides
 - National Databases
 - Educational Webinars

NCPS SOPS INTERPRETATION TOOLS		
Tool	Purpose	
Excel Tool	ANALYSIS - Contains raw data Generates spreadsheet to upload for national database Instructions for interpretation Demographics of respondents Contains composite and item level results in the aggregate, by department, position, direct patient care, action planning worksheet identifies gaps between beliefs and behaviors	
Benchmark Graphs	COMMUNICATION Compare aggregate results to peers and nationally (ext. benchmark) Compare aggregate results over time Compare results by work area and job title to the aggregate	
Comments Coded by Theme	CONTEXT Open ended comments coded by culture-related themes Provides respondents' direct feedback	
Action Planning Tool	PLAN - A structured approach to identifying strengths and opportunities for improvement and developing SMART Goals	

Tool	Purpose
Results Interpretation	BACKGROUND Provides an overview of safety culture Identifies the survey items that provide information about the four key components of safety culture.
Inventory of Safe Culture Practices	PLAN A checklist of key practices that support the four key components of safety culture.
Executive Summary	Summary of results and recommendations for improvement for organizational leaders.







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SUMMARY

- Safety culture is the shared beliefs and behaviors taught by leaders that define how to think and feel about patient safety
- Measuring safety culture using AHRQ's SOPS increases awareness of patient safety in hospital, medical office, nursing home, community pharmacy, and ambulatory surgery centers
- SOPS use multiple items within composites to identify gaps between beliefs and behaviors and assesses the effectiveness of the four components of our safety information system: just, reporting, teamwork, and learning practices
- Use HSOPS 2.0 if you are new to safety culture assessment or your previous results are more than 2 years old
- Use an external vendor such as NCPS to ensure your results are confidential, accurate, representative of your setting, and lead to effective action planning

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