



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

# Tips for Managing Your Culture of Safety Survey

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# Objectives

Describe Why  
Participating in a  
Culture of Safety  
Survey is Important

List 3 Strategies for  
a Successful  
Culture of Safety  
Survey

# Why is a Safety Culture Important?

- Develop a [culture of safety](#) & improve health care outcomes (Kohn et al., 2000)
- Positive correlation between hospital [patient safety culture](#) & patient care outcomes (DiCuccio, 2015)
- Consistent and authentic engagement by leadership results in significant progress in patient safety (Moffatt-Bruce et al., 2018)
- Fewer healthcare worker injuries, including sharps-related and other injuries, better job satisfaction, improved staff retention, reporting of safety events, and reduced burnout (Hessels & Wurmser, 2020; McHugh et al., 2011).
- Reduced costs associated with decreased adverse events (Agency for Healthcare Research and Quality, 2019).
- Improved [Safety Culture](#) Linked with...
  - ✓ Decrease in Serious Safety Event Rate
  - ✓ Improved Mortality
  - ✓ Additional research needed to identify effective strategies for improving safety culture

## ORIGINAL ARTICLE

### Improved Safety Culture and Teamwork Climate Are Associated With Decreases in Patient Harm and Hospital Mortality Across a Hospital System

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**Objectives:** Improved safety and teamwork culture has been associated with decreased patient harm within specific units in hospitals or hospital groups. Most studies have focused on a specific harm type. This study's objective was to document such an association across an entire hospital system and across multiple harm types.

**Methods:** The Safety Attitudes Questionnaire (SAQ) was administered to all clinical personnel (including physicians) before, 2 years after, and 4 years after establishing a comprehensive patient safety/high-reliability program at a major children's hospital. Resultant data were analyzed hospital-wide as well as by individual units, medical sections, and professional groups.

**Results:** Safety attitude scores improved over the 3 surveys ( $P < 0.05$ ) as did teamwork attitude scores ( $P =$  nonsignificant). These increases were accompanied by contemporaneous statistically significant decreases in all-hospital harm ( $P < 0.01$ ), serious safety events ( $P < 0.001$ ), and severity-adjusted hospital mortality ( $P < 0.001$ ). Differences were noted between physicians' and nurses' views on specific safety and teamwork items within individual units, with nursing scores often lower. These discipline-specific differences decreased with time.

**Conclusions:** Improved safety and teamwork climate as measured by SAQ are associated with decreased patient harm and severity-adjusted mortality. Discrepancies in SAQ scores exist between different professional groups but decreased over time.

**Key Words:** Safety Attitudes Questionnaire, culture metrics, patient safety, quality improvement, inpatient harm

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resulting from a patient safety-high-reliability program launched in 2009. Before our study, SAQ results of culture change had only been reported in specific unit types (e.g., intensive care unit) in multiple institutions.<sup>12</sup> Furthermore, safety outcome metrics in most studies had involved only 1 harm measure, such as obstetrical adverse events.<sup>14</sup>

This study expands the scope of previous work, exploring the relationship of SAQ results to outcomes across an entire hospital system, all patient care units—inpatient and outpatient. Tracked outcome metrics included all patient harm domains including hospital mortality. We hypothesized that as safety and teamwork climate improved, clinical safety outcomes would improve.

## METHODS

### Setting

The NCH is an academic, nonprofit, freestanding children's hospital located in Columbus, Ohio. It has 500 licensed beds. There are 25,000 inpatient discharges, 26,000 surgeries, and greater than 1 million outpatient visits per year.

### Ethical Issues

This study was reviewed and approved by the NCH Institutional Review Board before the initial survey in 2009 and did not require informed patient or staff consent.

### Zero Hero Patient Safety/High-Reliability Program

Nationwide Children's Hospital's patient- and family-centered strategic plan<sup>13,16</sup> initially emphasized the "Do Not Harm Me" domain (Patient Safety). The Zero Hero Patient Safety/High Reliability Program (ZHPs/HRP) was launched in quarter 3 of 2009, and training was completed in approximately 10 months. "Zero" stands for our stated goal to eliminate preventable harm, and "hero" stands for the heroic effort that is involved. It has been a dual pathway effort. The first path was a robust quality improvement program using the Institute for Healthcare Improvement's "Model for Improvement" as its primary methodology.<sup>17,18</sup> The program, supported by a quality improvement department employing 37 full-time equivalent personnel with a \$4 million budget, actively maintains or sustains greater than 140 quality improvement projects, largely co-led by physicians and nurses. The second and simultaneous path involved partnering with external consultants, Healthcare Performance Improvement, LLC,<sup>19</sup> to develop and implement a program focused on culture change and high-reliability principles, which involved extensive training in error prevention techniques for every employee (currently approximately 10,000) and error prevention reinforcement methods for all supervisory personnel (currently approximately 600). Implementation details and results of the ZHPs/HRP have been previously reported.<sup>20</sup>

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# Engagement & Safety Drive Performance



- **Reference:** [Prioritizing safety as the foundation for staff engagement and retention in healthcare \(pressganey.com\)](https://pressganey.com/prioritizing-safety-as-the-foundation-for-staff-engagement-and-retention-in-healthcare/)

# Culture of Safety Surveys

Evaluate & improve the culture of safety at an organization

## Survey Tools

- AHRQ Hospital and Medical Office Survey on Patient Safety Culture
- Press Ganey Safety Culture Survey
- Microsoft Viva Glint patient safety survey
- Gallup Patient Safety Culture Survey

## Regulatory & External Organization Reporting Standards

- CMS Patient Safety Structures FY2025 Hospital Inpatient Prospective Payment Structure – NEW
- Joint Commission Leadership Standards
  - LD.03.01.01, EP 1: Leaders regularly **evaluate** the culture of safety and quality using valid and reliable tools
  - LD.03.01.01, EP 2: Leaders **prioritize and implement changes** identified by the evaluation [of safety culture].
- Leapfrog Culture of Safety Guidelines

# Safety Culture

*The sum of individual and group values, attitudes, perceptions, competencies, and patterns of behavior that impact the commitment and ability to provide a safe environment for patients.*





# Safety Culture in Healthcare

- **Safety in Healthcare 2024 - Press Ganey Report**

- ✓ Staff safety cultures were at an all-time low in 2021
- ✓ 2023 scores are on the rise

- **Perceptions of Safety Differ by Race, Ethnicity, Experience, Role**

- ✓ Millennials report the lowest safety scores
- ✓ Senior management report the highest perceptions of safety culture
- ✓ Registered nurses and advanced practice providers report the 2<sup>nd</sup> and 3<sup>rd</sup> lowest
- ✓ Security team members had the lowest perceptions of safety

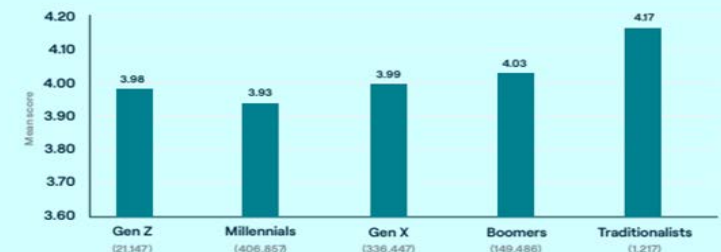
Safety culture by role

\*Note: Physicians, APPs, & Non MD advanced degree roles reported took Press Ganey's physician survey



Safety culture overall by generation

CY2023



# Planning a Successful Survey: The Process



**PREPARATION:**  
4 – 8 WEEKS



**SURVEY**  
4 – 6 WEEKS



**FEEDBACK AND  
REPORTING**  
4 – 12 WEEKS



**ACTION PLANNING**  
ONGOING



# Additional Considerations

## Timing

- Survey Duration
- Survey Fatigue
- Competing Priorities
- Significant Changes

## Communication

- Safety Culture is Aligned with Hospital Strategy
- Survey Results Will Shape the Future
- Responses are Confidential
- Send Response Rates & Reminders
- The Link is Safe (Cybersecurity)

## Promote the Survey

- Raffle Prizes
- Divisional Team Competition
- Pie in the Face Contests
- Departmental Parties
- Rejuvenation Cart
- QR Codes in Break Rooms & Time Clocks
- Make it Easy to Complete

# After the Survey



Thank Participants



Share Preliminary Results



Communicate Next Steps



Present Final Results – Executive Summary, Departmental & Divisional Reports



Prioritize & Implement Action Plan



Intentionally Communicate Progress

# Action Planning

## The Most Important Stage of the Safety Culture Assessment

Staff must have visibility to how their voice is leading to change



Highlight resources that may already exist



Tackle specific, low-hanging fruit



Be Intentional with Communications - Connecting Feedback to Action

# Four High Reliability Practices to Transform a Safety Culture

What Juice is Worth the Squeeze?

Chase Zero	Adopt the goal of zero harm goal and message on safety
Measure	Measure harm and make harm visible
Just Culture	Foster a fair and just culture
Huddle	Practice daily check-ins for safety

# Another Helpful Resource – Safer Together: A National Action Plan to Advance Patient Safety

## Culture, Leadership & Governance

- 1.Ensure safety is a demonstrated core value.
- 2.Assess capabilities and commit resources to advance safety.
- 3.Widely share information about safety to promote transparency.
- 4.Implement competency-based governance and leadership.

## Patient and Family Engagement

- 5.Establish competencies for all health care professionals for the engagement of patients, families, and care partners.
- 6.Engage patients, families, and care partners in the co-production of care.
- 7.Include patients, families, and care partners in leadership, governance, and safety and improvement efforts.
- 8.Ensure equitable engagement for all patients, families, and care partners.
- 9.Promote a culture of trust and respect for patients, families, and care partners.

## Workforce Safety

- 10.Implement a systems approach to workforce safety.
- 11.Assume accountability for physical and psychological safety and a healthy work environment that fosters the joy of the health care workforce.
- 12.Develop, resource, and execute on priority programs that equitably foster workforce safety.

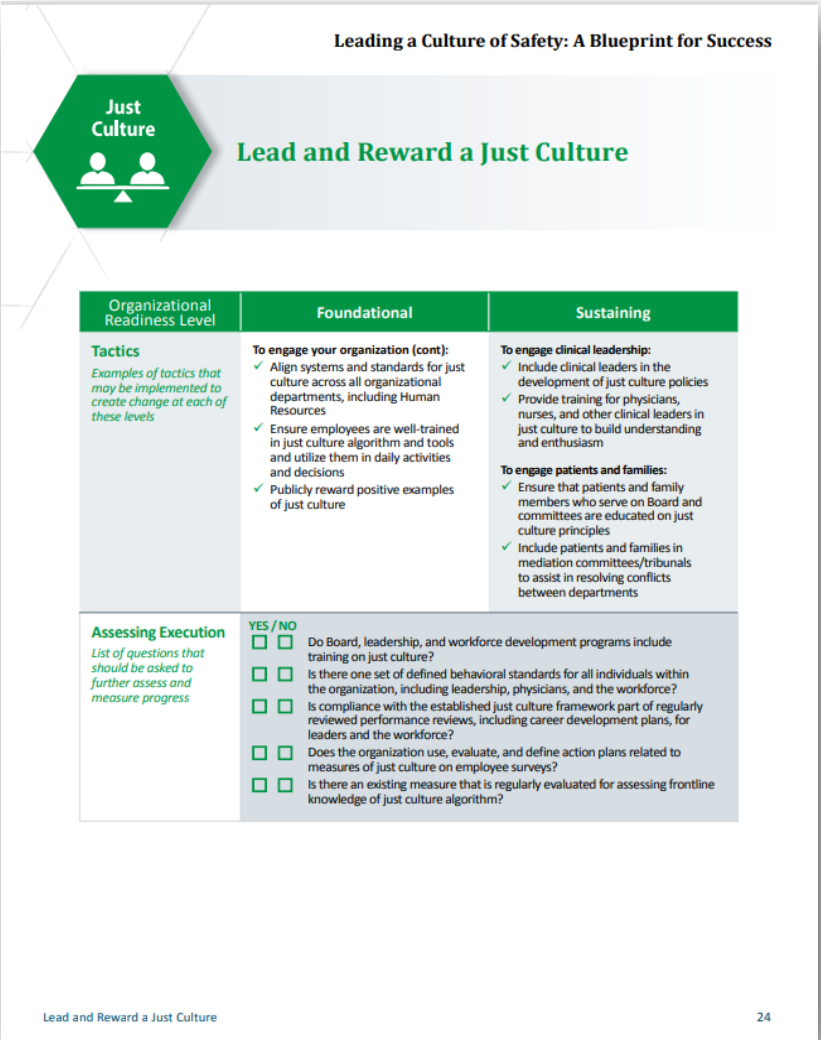
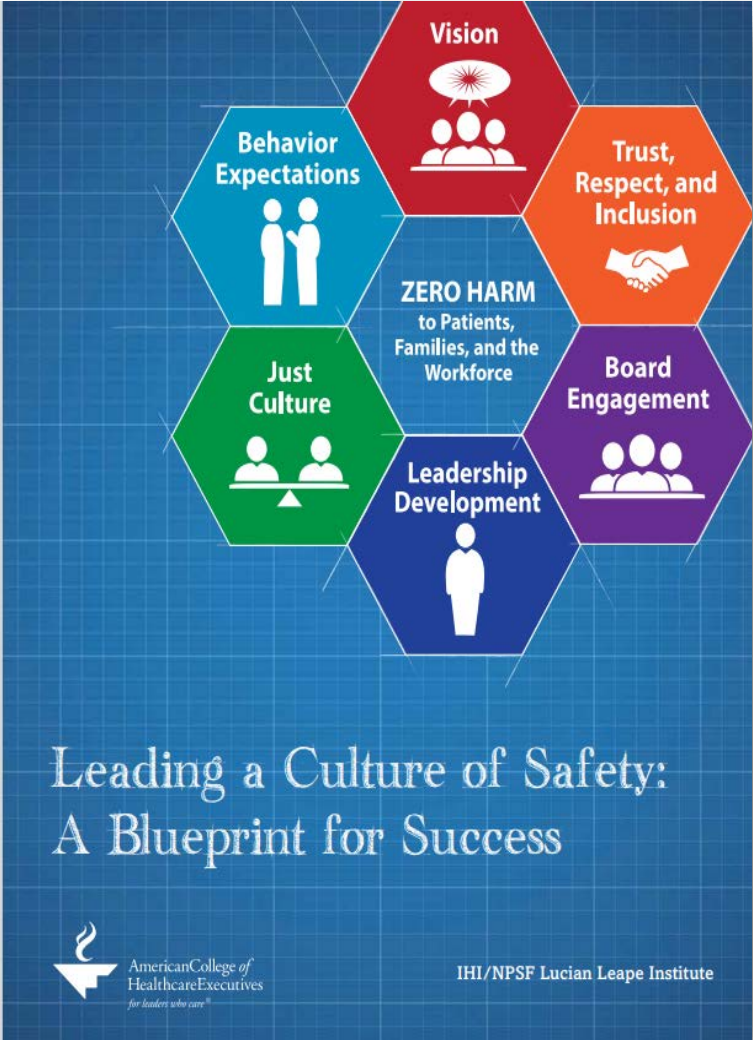
## Learning System

- 13.Facilitate both intra- and inter-organizational learning.
- 14.Accelerate the development of the best possible safety learning networks.
- 15.Initiate and develop systems to facilitate interprofessional education and training on safety.
- 16.Develop shared goals for safety across the continuum of care.
- 17.Expedite industry-wide coordination, collaboration, and cooperation on safety.



# Another Helpful Resource –

## Leading a Culture of Safety: A Blueprint for Success



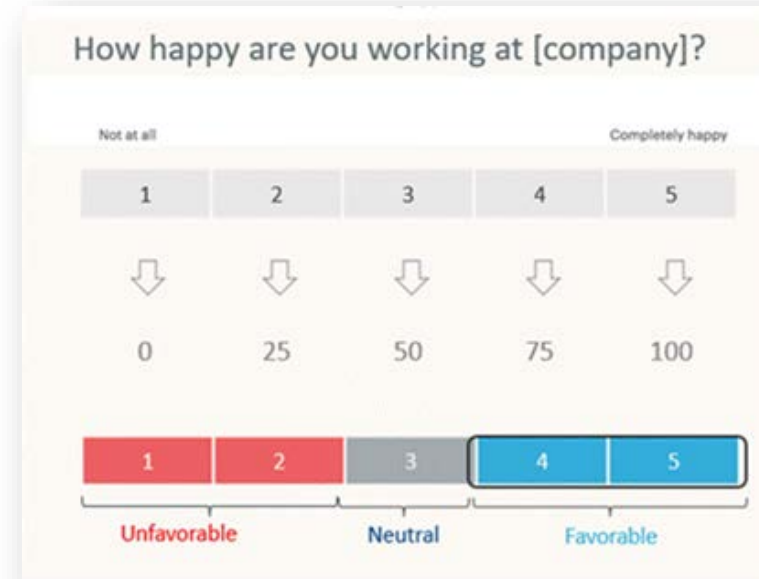


# One Health System's Experience

*An Example of Culture of Safety Survey Action Planning*

# Glint Metrics & Methodologies

- Survey ratings are converted on a 100-point scale to derive the mean score for the organization
- Glint's benchmarks reflect the mean of company scores for all healthcare customers in our database.
  - 50 Health Systems, 750+ Unique Hospitals
    - HCA, Kaiser Permanente, Henry Ford, Johns Hopkins, Atrium Health, Mercy Health, Advent Health, Yale New Haven Health
  - > 1.7 million healthcare professionals surveyed each year
- Guidelines for determining Meaningful Differences when Comparing Mean (Average) Scores



# Communicating Results

## Venues

- Health System & Hospital Leadership Venues
- Divisional & Departmental Meetings
- Tiered Distribution of Results to Leadership

## Format Template

- Overall Results vs. Healthcare Benchmark
- Participation
- Year over Year Comparison
- Theme Analysis
- Performance Improvement Ideas

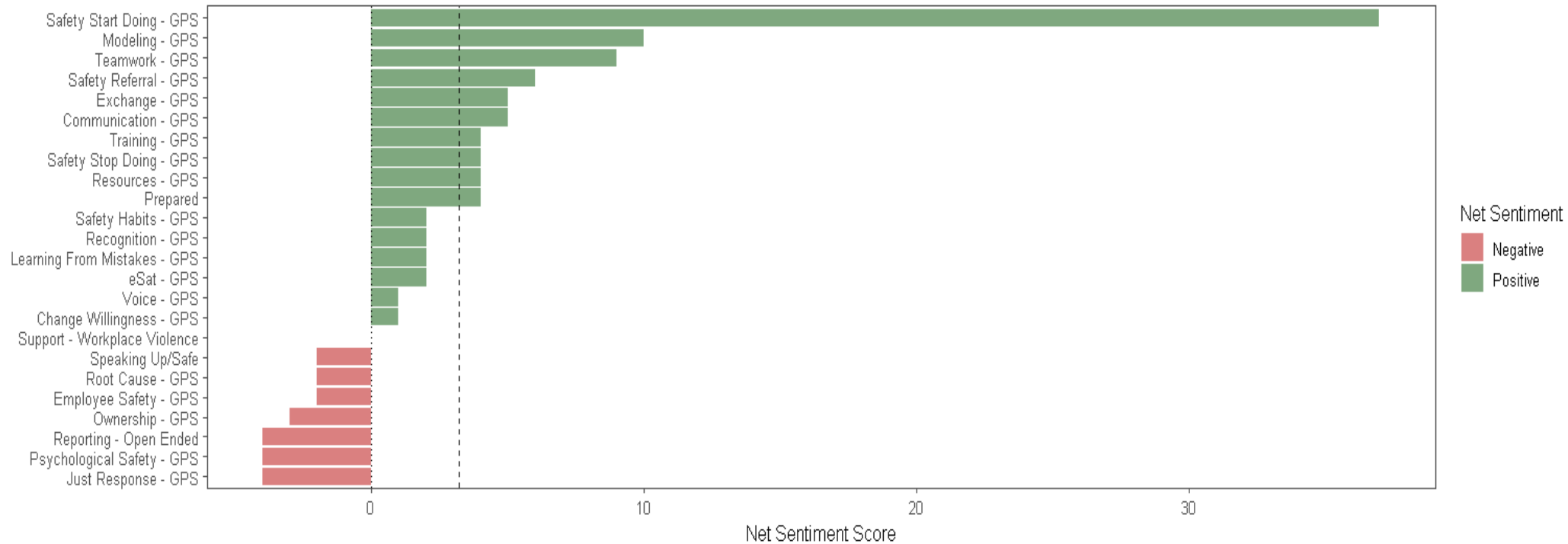
### Glint Culture of Safety Survey - 2024

#### Executive Summary

Outperforming Benchmark
Equal to Benchmark
Underperforming Benchmark

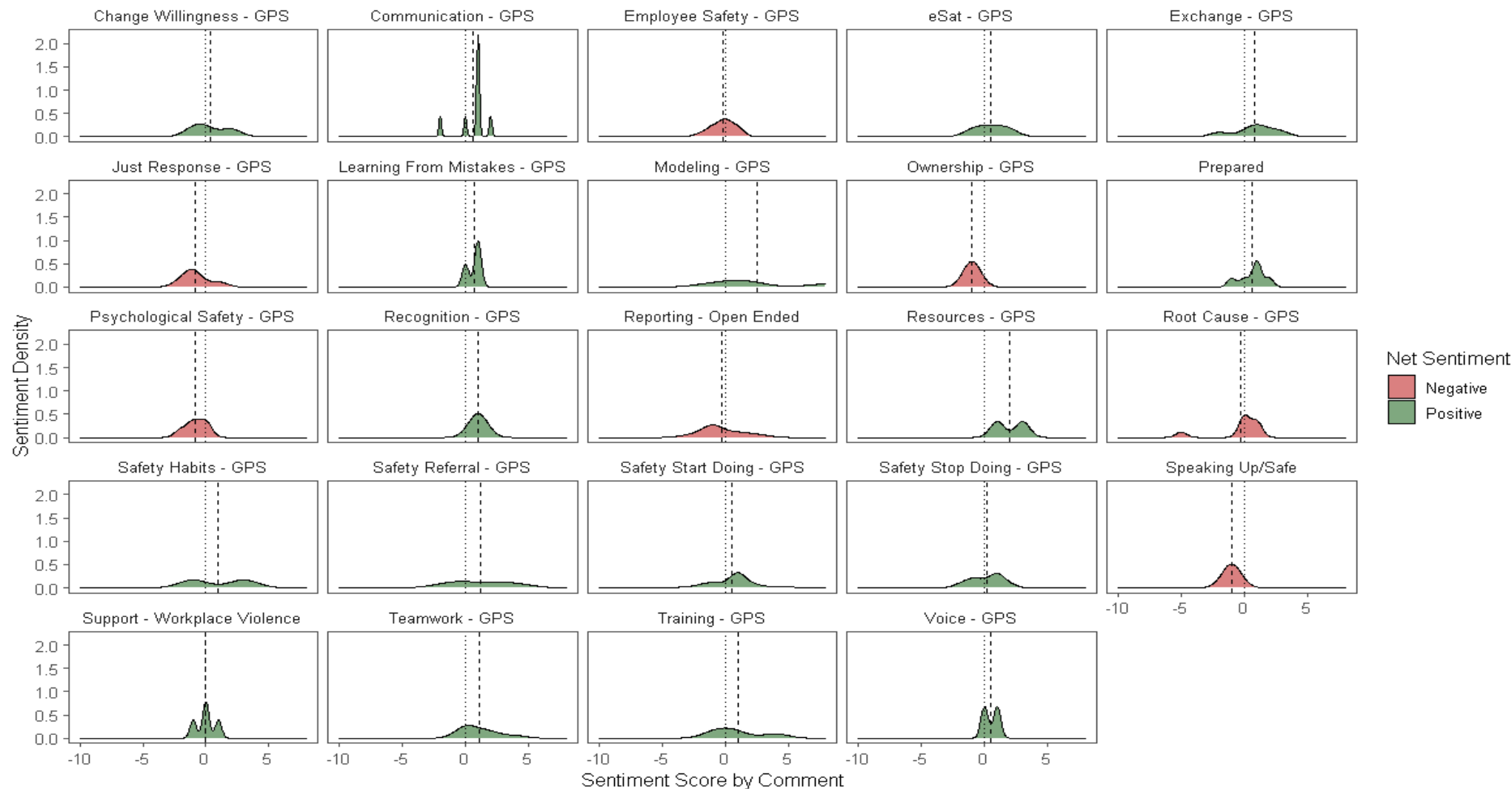
Note: 4 Additional Open-Ended Questions, Responses Available in Comments

20/24 Survey Questions - Question	Component							
I would recommend this organization to family and friends as a safe place to receive care. (Benchmark = 80)	Safety Referral	84	85	88	74	78	75	78
I feel safe speaking up when seeing something that could cause harm to patients or employees.	Speaking Up/Safe	83	83	85	77	81	75	No Benchmark, Internal Question
Leadership's actions show that patient safety is a top priority.	Modeling	83	84	82	80	79	74	74
We discuss ways to prevent safety errors from happening again.	Learning from Mistakes	82	83	83	77	78	72	78
We support each other in caring for patients safely here.	Teamwork	83	83	85	78	81	76	79
Ensuring patient safety is part of the way we do things around here.	Safety Habits	82	83	83	78	79	73	80
I feel safe here as an employee.	Employee Safety	82	83	85	76	80	71	77
Employees who prioritize patient safety are appreciated here.	Recognition	80	81	82	74	77	70	75
I can speak up about patient safety without fear of retaliation.	Psychological Safety	80	81	84	74	77	71	77
Actions taken based on safety event reporting have led to positive changes here.	Change Willingness	78	79	82	73	73	65	72
I feel empowered to correct potential safety hazards.	Ownership	80	80	80	76	76	73	76
How happy are you working at The University of Kansas Health System ?	eSAT	78	79	81	76	74	72	73
There is a just process for handling safety-related errors here.	Just Response	80	81	82	75	74	68	75
There is good communication between leaders and employees here about patient safety.	Communication	79	80	78	72	74	66	72
We have the resources we need to keep patients safe.	Resources	77	78	80	76	71	69	71
The patient safety-related training I receive is effective.	Training	79	79	79	76	74	72	75
My input about patient safety is valued here.	Voice	75	76	77	70	71	65	72
At this organization, we seek to solve problems permanently rather than just come up with a 'quick fix.'	Root Cause	72	73	76	67	69	65	69
I feel well-prepared to manage aggressive or violent behavior from patients and visitors.	Prepared	69	70	67	69	69	60	No Benchmark, Internal Question
The exchange of information between departments occurs smoothly.	Exchange	61	61	67	55	57	55	60



## Sentiment Analysis – MAY NOT Match Question Performance

- Above we have net sentiment by section: Comment volume differences drive most of the result we see above, but there are 7 sections that were net negative:
  - Speaking Up/Safe,
  - Root Cause
  - Employee Safety
  - Ownership
  - Reporting,
  - Psychological Safety, and
  - Just Response



## Sentiment Analysis

Most Questions Will See Positive & Negative Comments, May Not Represent the Whole Population 20



# Comment Themes

## Employee Safety

- Worried about personal safety, lack of security measures (cameras, badge access doors, police/security personnel, locked doors, parking garages, too many entry points)
- Workplace violence from patients and families

## Learning From Mistakes

- There is a desire to have better follow up/loop closure after reporting incidents & what changes are being made
- Action plans should be visible, so people know work is being done when they escalate concerns

## Psychological Safety

- Many staff feel safe speaking up, but worry there is not any action resulting from the concerns
- There is a sense that psychological safety does not apply to non-patient facing employees

## Just Response

- Lack of consistency with accountability was referenced at multiple campuses
- Appreciation for the Just Culture training was highlighted

## Reporting

- Staff don't feel there is follow up or are unsure what the follow up is when events are reported
- Some participants feel concerned about retaliation when reporting safety events across all campuses



# Learning from Others – An Evolving Approach



## Listening Sessions

- ✓ **High Performing Departments:**  
Learn & Share What is Going Well
- ✓ **Departments Needing Support:**  
Clarify Opportunities for Improvement



## Leadership Pairing

- Pair up High Performing Department Leaders  
with Departments Needing Support
- Coach & Mentor Improvement
- Share Lessons Learned

# Leadership Toolkit Development

## TRAINING

**Culture of safety survey question:** The patient safety-related training I receive is effective.

### Tips for leaders

- Include a patient safety topic in all staff meetings (NPSGs, HRO components, Culture of Safety, etc.)
- Invite a member of the Quality and Safety team to speak at a staff meeting. Email [qualityteam@kumc.edu](mailto:qualityteam@kumc.edu) to coordinate.
- Encourage staff to consider Certified Professional in Patient Safety (CPPS) certification.
- Encourage employees who are also students to take courses from the Institute for Healthcare Improvement (IHI) Open School.
- Encourage attendance at the health system Patient Safety Symposium.
- Enroll staff in the following Helix courses:
  - [Patient Safety Reminders](#)
  - [Defining Patient Safety](#)
  - [National Patient Safety Goals](#)
  - [The Safety Wheel: A Tool to Keep Patients Safe](#)

### Resources

- [Patient Safety | The Joint Commission](#)
- [High Reliability | Joint Commission Resources | jcrinc.com](#)
- [National Patient Safety Goals | The Joint Commission](#)
- [Patient Safety | IHI - Institute for Healthcare Improvement](#)
- [Patient Safety Component \(PSCI\) Training | NHSN | CDC](#)
- [Education & Training for Health Professionals | Agency for Healthcare Research and Quality | ahrq.gov](#)

## VOICE

**Culture of safety survey question:** My input about patient safety is valued here.

### Tips for leaders

- Highlight staff reporting safety risks and the impact of changes that have been made due to the reporting.
- Review Safety Intelligence event reports and leadership's response at staff meetings, etc.
- Follow up individually with staff who submit Safety Intelligence event reports. Thank them for reporting and provide a small token of appreciation (candy, snack, recognition in a staff meeting, etc.)
- Recognize employees for escalating "near miss" events through the [Good Catch Program](#).
- Conduct a focus group with your staff to have them share safety concerns and ideas for resolution.
- Invite a member of the Quality and Safety team to speak at a staff meeting. Email [qualityteam@kumc.edu](mailto:qualityteam@kumc.edu) to coordinate.

### Resources

- [Safety Event Reporting Leadership Training in Helix](#)

## PROMOTING A CULTURE OF SAFETY

SURVEY RESPONSE TOOLKIT FOR LEADERS



 THE UNIVERSITY OF KANSAS HEALTH SYSTEM

## PSYCHOLOGICAL SAFETY

**Culture of safety survey question:** I can speak up about patient safety without fear of retaliation.

### Tips for leaders:

- Orient new staff to the expectation that everyone is responsible for patient safety. Reinforce this message repeatedly with all employees. Use the organization's overall mission and value statements as the basis for establishing a unit-based mission/ purpose statement about safe, high-quality care and service.
- Investigate and resolve conflicts between employees promptly. Keep performance expectations focused on the unit's shared purpose rather than on individual needs.
- Research all patient concerns brought to your attention through SI reports and follow-up with the employees to explain the resolutions. Be a role model for the accountability you wish to see among your employees. Focus on the process, not the people.
- Be visible and available for employees to speak privately with you if they are concerned about open discussion of a patient care situation.
- Seek to understand others' perspectives on what represents patient care concerns. Be open to listening and responding with encouragement. Be aware of your own bias and reactions, especially when repeated complaints or concerns are made. Employees will stop bringing concerns to your attention if they believe you are too busy to listen or will pass judgment before investigating.
- Educate staff on ways to raise concerns respectfully and appropriately, with the least amount of critical judgment, to create receptive listening.
- Foster an environment of inquiry, in which ideas are welcome and it is safe to question what goes on. Employees should feel free to question the effectiveness of practices affecting patient care and engage in problem-solving together to continuously improve outcomes.

### Resources

- Helix:**
  - [Psychological Safety Tin Sheets: Learning](#)
- Videos:**
  - [Building a Psychologically Safe Workplace](#)
  - [AHA Team STEPPS Video Toolkit](#)
- Articles:**
  - [10 Tools to Develop Psychological Safety at Work](#)
  - [Setting the Stage for Psychological Safety: 6 Steps for Leaders](#)
  - [15 Ways To Promote Psychological Safety At Work \(forbes.com\)](#)

Celebrate Good Catches  
More Often

Promote Huddles &  
Huddle Toolkit from  
Organizational  
Improvement

Offer More Active Shooter  
Training & Code Cart  
Training (Specific, Low-  
Hanging)

Continue Efforts on  
Workplace Violence  
Prevention, Highlight  
What Already Exists

Improve Lighting on  
Grounds/Parking Lots,  
Communicate When  
Additions Occur

When Supplies Change,  
Be Intentional About  
Asking for Frontline  
Participation & Feedback,  
Communicate It

Incorporate Review of  
Event Reports in Daily  
Huddles & Staff Meetings

Share Safety Stories More  
Often – Linking Action to  
Reporting of Events

## Safety Culture Performance Improvement Over Time

Establish Good Catch &  
HOPE (2<sup>nd</sup> Victim)  
Programs at New  
Campuses

Centralize or Align  
Safety Programs Across  
the Enterprise

Establish Consistent  
Safety Event Response  
Process

Establish Consistent  
Just Culture Principles  
Across the System

Help Connect Dots –  
What Already Exists &  
Relationship to  
Concepts Measured by  
Survey

Link New Initiatives to  
Culture of Safety  
Survey

Add Resources to the  
Toolkit

**Safety Culture Performance Improvement Over Time,  
Responding as a Health System**

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[Perception of safety culture in healthcare \(pressganey.com\)](http://pressganey.com)

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[Safety in healthcare 2024 \(pressganey.com\)](http://pressganey.com)

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[Leading a Culture of Safety Blueprint.pdf \(ihl.org\)](http://ihl.org)



## Questions?

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