



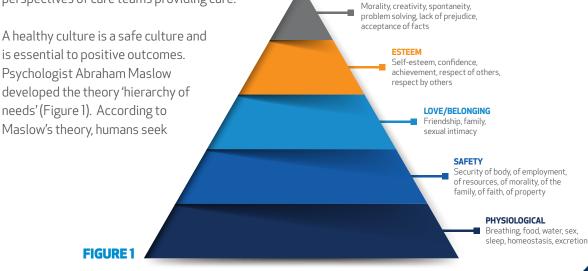
Hospitals and healthcare organizations stay competitive in today's consumer-driven environment by continually improving the experiences of patients and families, as well as healthcare providers, and employees. A growing body of evidence supports the need for high-performing healthcare organizations to commit to building healthy workplace environments (Merlino & Raman, 2013; Grawitch & Ballard, 2016; Jiménez, Winkler & Dunkl, 2017). In other words, not only should organizations prioritize goals to improve patient and family experiences, they also need to focus efforts on improving workplace culture. One specific department that is cardinal to organizational outcomes is environmental services (EVS). From fostering a culture of safety to improving HCAHPS as well as employee engagement, the EVS department plays a vital role in transforming the culture of an organization.

CULTURE OF SAFETY

The effects of organizational culture in the health care environment extend beyond operations, processes, and stewardship; culture affects the people who are responsible for providing care to the people who need care. Just as emphasis should be placed on the health, safety, and wellbeing of the patients being served, organizations also need to emphasize those outcomes for their workplace personnel, across all care teams. This begins with care teams perceiving the care provided and workplace environment as high quality. This happens from the moment they enter the front door of the organization, and it continues as they move through the entire facility. A clean environment translates to a safe environment, from the perspectives of patients and families receiving care, as well as the perspectives of care teams providing care.

first to satisfy the lowest level of needs, such as air, food, and water. Once this is achieved, humans continue to satisfy each higher level of need until all are reached. Adopting this theory for the workplace, we'd say paychecks meet basic human needs like food and shelter. Highperforming organizations understand the new economic reality: providing safe environments, providing a sense of security, and helping care teams feel purpose and meaning in their work are the differentiators (Perlo, Balik, Swensen, Kabcenell, Landsman & Feeley, 2017). It is up to organizations to provide the right conditions and environments so that caregivers can achieve their highest potential and produce outstanding work (Nielsen, et al., 2017).

SELF-ACTUALIZATION





PERCEPTION OF CLEANLINESS MATTERS

Sentence change: Top performing organizations understand that short-term tactics do not cultivate long-term success. This first impression, and all the perceptions that follow, serve as the foundation of the patient experience (PX), as well as the experience of their families and care teams. This directly impacts margins, market share, and staff morale. Bottom line: if people do not feel safe, or if they feel they don't have the support or resources to provide safe care, decreased PX scores, high infection rates, and staff attrition prevail. With the inception of publicly reported surveys and collection data such as HCAHPS, which stands for Hospital Consumer Assessment of Healthcare Providers and Systems, organizational performance and outcome measures help consumers and care teams make informed decisions about the culture, safety, and care delivery of US healthcare organizations.

SIGNIFICANCE OF CLEANLINESS

In addition to providing transparent data to consumers and care teams, the Centers for Medicare and Medicaid Services (CMS) also reimburses or penalizes healthcare organizations on performance measures. Since improving the quality of healthcare is a national priority, hospital performance measures are increasingly being used to benchmark quality through CMS (IOM, 2001; CMS). Under the Patient Protection and Affordable Care Act (P.L.111–148), CMS reimburses hospitals based on their performance. Specific to the Patient Experience of Care Domain score, which is also referred to as the Person and Community Engagement Domain, hospitals increase their chances of maximizing reimbursement dollars based on the Hospital Value-Based Purchasing (VBP) program.

There are nine measures from HCAHPS that are included in the Hospital VBP. This includes six composite measures (Communication with Nurses, Communication with Doctors, Staff Responsiveness, Communication about Medicines, Care Transition, and Discharge Information), two individual measures (Cleanliness of Hospital Environment, and Quietness of Hospital Environment), and one global measure (Hospital Rating, formerly known as Overall Rating of Hospital).

Source: https://www.ahrq.gov/cahps/quality-improvement/improvement-guide/5-determining-focus/index.html





"CMS rewards hospitals based on the quality of care provided to patients, not just quantity of services provided. Under the Hospital VBP Program, Medicare makes incentive payments to hospitals based on one of the following:

- Achievement: How well they perform on each measure compared to other hospitals' performance during a baseline period
- Improvement: How much they improve their performance on each measure compared to their performance during a baseline period"¹

Ultimately, the patient experience considers various aspects of the healthcare system, including communication, safety, and hospital environment to determine if high-quality care is provided and perceived by those rendering services.

According to Jha, Frye & Schlimgen (2017): "patient engagement, satisfaction – patient and staff, clinical effectiveness, personalization, patient safety, and admission and discharge process were the variables that demonstrated a strong correlation with patient experience benefits."

¹ "CMS Program Summary: Understanding the Fiscal Year 2019 Hospital Value-Based Purchasing Program," https://www.qualityreportingcenter.com/globalassets/iqr_resources/09_vbp_fy2019_ppsrrelease_programsummary_vfinal508.pdf

DATA ANALYSIS & INTERPRETATION

Organizations that continuously improve PX data and initiatives understand that short-term actions are less likely to impact long-term success. It is critical for organizations to utilize qualitative and quantitative data analysis as the underpinning of their improvement processes. Conducting different kinds of analyses helps organizations identify relative strengths and weaknesses:

- Review HCAHPS scores to national and peer benchmarks.
- Review trends of patient comments specific to departments, behaviors, and processes.
- Compare current HCAHPS scores to the organization's past performance (year over year improvements).
- Assess which aspects of performance are most relevant for improvement.

Understanding the relevancy of improvement initiatives is critical. Percentiles indicate how often patients gave positive assessments of their hospital experience. With "top-box" scores, the higher, the better. For example, on "Cleanliness of Hospital Environment," 5% of hospitals scored 90 or higher (95th percentile) in the "top-box," while 5% scored 63 or lower (5th percentile). The median (50th percentile) score on this measure was 75 (Figure 2).

FIGURE 2: HCAHPS PERCENTILES

	Hospital Percentile	Communication with Nurses	Communication with Doctors	Responsiveness of Hospital Staff	Communication about Medicines	Cleanliness of Hospital Environments	Quietness of Hospital Environments	Discharge Information	Care Transition	Hospital Rating	Recommend the Hospital	
_	Top-Box Score											
	95th (near best)	91	92	88	80	90	81	93	67	88	88	
-	90th	88	89	84	76	86	76	92	62	84	84	
-	75th	84	85	76	70	81	68	90	57	78	79	
-	50th	80	81	69	65	75	61	87	53	73	72	
-	25th	77	78	63	61	70	54	85	49	67	66	
-	10th	74	75	59	58	65	49	82	45	62	59	
	5th (near worst)	71	73	56	55	63	45	79	42	58	55	
	Bottom-Box Score											
	5th (near best)	1	1	1	6	1	2	7	1	2	0	
-	10th	1	2	3	9	2	3	8	2	3	1	
-	25th	3	3	5	13	5	6	10	4	5	3	
	50th	4	4	8	17	7	9	13	5	7	4	
_	75th	5	6	11	20	10	13	15	6	10	6	
_	90th	8	8	15	23	13	17	18	8	13	9	
	95th (near worst)	9	9	17	26	15	20	21	9	15	11	

Percentiles for HCAHPS "top-box" and "bottom-box" scores include 4,425 hospitals that received HCAHPS scores in July 2019. Becuase not all hospitals report their results on Hospital Compare, the number of hospitals may differ from those shown here. Surveys are from patients discharged between October 2017, and September 2018. Scores have been adjusted for survey mode and patient-mix.



DATA ANALYSIS & INTERPRETATION

Cleanliness of the hospital environment is highly correlated with how a patient or family member rates Communication with Nurses (.39), Communication with Doctors (.28), Responsiveness of Hospital Staff (.35), and Communication About Medicines (.33) (Figure 3). The chart below includes patient-leve Pearson correlations of rescaled linear means of HCAHPS measures for patients discharged between July 2017 and June 2018 (2.9 million completed surveys). Note: All correlations are significant at p<0.001. Correlation coefficient formulas are used to find how strong a relationship is between data. The formulas return a value between -1 and 1, where:

- 1 indicates a strong positive relationship.
- -1 indicates a strong negative relationship.
- A result of zero indicates no relationship at all.

FIGURE 3: HCAHPS PATIENT-LEVEL CORRELATIONS

	Communication with Nurses	Communication with Doctors	Responsiveness of Hospital Staff	Communication about Medicines	Cleanliness of Hospital Environments	Quietness of Hospital Environments	Discharge Information	Care Transition	Hospital Rating	Recommend the Hospital
Communication with Nurses	1	0.54	0.57	0.50	0.39	0.33	0.28	0.44	0.65	0.58
Communication with Doctors		1	0.39	0.44	0.28	0.27	0.29	0.41	0.52	0.48
Responsiveness of Hospital Staff			1	0.41	0.35	0.32	0.21	0.36	0.51	0.45
Communication about Medicines				1	0.33	0.29	0.36	0.46	0.49	0.43
Cleanliness of Hospital Env.					1	0.28	0.18	0.28	0.41	0.37
Quietness of Hospital Env.						1	0.13	0.26	0.35	0.29
Discharge Information							1	0.31	0.31	0.29
Care Transition								1	0.48	0.45
Hospital Rating									1	0.76
Recommend the Hospital										1

Source: www.hcahpsonline.org. Centers for Medicare & Medicaid Services, Baltimore, MD. October 27, 2019.







