

## School of Medicine

# Introduction

- Smoking tobacco leads all cause of bodily disease and reduces the recovery rate for all diagnosed cancer patients.<sup>1</sup>
- $\circ$  It also is the number one preventable cause of death.<sup>1,2</sup>
- Although the percentage of smokers has decreased in the United States, 480,000 still die every year from cigarette related diseases.<sup>3</sup>
- Despite medical and public health advancement, such as screening and treatment of tobacco use, too often, the quality of care provided to patients is substandard.<sup>6</sup>
  - o **Poor quality** care leads to sicker patients, more disabilities, higher costs, and lower confidence in the health care industry.
- Quality healthcare, considered the assessment and provision of effective and safe care, reflected in a culture of excellence, resulting in the attainment of optimal or desired health, improves patient trust and health outcomes.
- The Institute of Medicine defines quality as having markers of:
  - Effectiveness
  - Efficiency
  - Equity
  - Patient centeredness
  - Safety
  - Timeliness<sup>6</sup>

Effective communication is an important factor in patient-centered care.

- Patients who receive effective communication from their doctors are more likely to:
- Acknowledge health problems,
- Understand their treatment options,
- Modify their behaviors, and
- Follow medication schedules.<sup>5</sup>

Thus, implementation of effective patient-provider communication as a factor for effective quality of healthcare can effect smoking cessation efforts.

# Methods



public's use of cancer-related information.

- Explain things in a way you could understand?
- Spend enough time with you?
- Help you deal with feelings of uncertainty about your health or health care?







• The Chi-square analysis revealed a statistically significant difference (p<0.05) between smokers who reported satisfactory healthcare quality versus unsatisfactory healthcare quality for all markers of effective patient-provider communication. (**Table 1**)

• Logistic regression analysis revealed, compared to a smoker who received good quality care, smokers who did not were more likely to report that a health care provider did not provide them with any of the patient-provider communication markers. (**Table 2**)

### **References:**

[1] Center for Disease Control and Prevention (CDC). (2019). Smoking & Tobacco Use, Office on Smoking and Health, National Center for Chronic Disease Prevention and Health Promotion; [2019 February 6; 2019 July 18]. Retrieved from https://www.cdc.gov/tobacco/data\_statistics/fact\_sheets/fast\_facts/index.htm [2] Jha P, Ramasundarahettige C, Landsman V, et al. (2013). 21st-century hazards of smoking and benefits of cessation in the United States. New England Journal of Medicine; 368(4):341–350. [3] U.S. Department of Health and Human Services. (2014). The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014. [4] Martin, L. R., Williams, S. L., Haskard, K. B., & Dimatteo, M. R. (2005). The challenge of patient adherence. Therapeutics and clinical risk management, 1(3), 189–199. [5] Stewart MA. Effective physician-patient communication and health outcomes: a review. (1995). CMAJ; 15(9):1423-1433. [6] The Challenge and Potential for Assuring Quality Health Care for the 21st Century. Content last reviewed June 2018. Agency for Healthcare Research and Quality, Rockville, MD. https://www.ahrq.gov/professionals/quality-patient-safety/qualityresources/tools/21st/index.html

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# **Results (cont.)**

the past 12 months, how ften did a doctor, nurse, or ther health professional	Excellent Quality of Care	≤ Satisfactory Quality of Care	p-value
Give you the chance to ask a	all the health-related que	estions you had.	
Always	482 (59%)	61 (21%)	p<0.001*
Usually	240 (29%)	97 (34%)	
Sometimes	86 (11%)	104 (36%)	
Never	9 (.01%)	25 (.08%)	
Give the attention you neede	d to your feelings and e	emotions.	
Always	577 (70%)	43 (15%)	
Usually	197 (24%)	115 (39%)	p<0.001*
Sometimes	41 (.05%)	98 (33%)	
Never	11 (.01%)	39 (13%)	
Involve you in decisions about	ut your health care as m	nuch as you wanted.	
Always	554 (67%)	28 (.09%)	p<0.001*
Usually	225 (27%)	106 (36%)	
Sometimes	41 (.05%)	119 (41%)	
Never	4 (0%)	38 (13%)	
Make sure you understood th	ne things you needed to	do to take care of your	health.
Always	702 (62%)	60 (20%)	
Usually	306 (27%)	130 (44%)	- 0.001*
Sometimes	111 (1%)	87 (29%)	p<0.001*
Never	19 (.02%)	19 (.06%)	
Explain things in a way you c	ould understand.		
Always	658 (79%)	75 (26%)	
Usually	163 (20%)	135 (46%)	<b>⊳</b> .0.001*
Sometimes	8 (0%)	69 (24%)	p<0.001*
Never	0	12 (.04%)	
Spend enough time with you			
Always	575 (70%)	35 (12%)	p<0.001*
Usually	207 (25%)	114 (39%)	
Sometimes	36 (.04%)	112 (38%)	
Never	5 (0%)	32 (11%)	
Help you deal with feelings o	f uncertainty about you	health or health care.	
Always	522 (63%)	18 (.06%)	p <0.001*
Usually	229 (28%)	90 (31%)	
Sometimes	60 (.07%)	125 (43%)	
Never	<u>12 (.01</u> %)	57 (20%)	

#### Table 2. Logistic Regression results of smokers who reported good vs. bad quality of care for patient-provider communication indicator questions.

Question Give you the chance to ask all the health-related questions you had. Give the attention you needed to your feelings and emotions. Involve you in decisions about your health care as much as you wanted. Make sure you understood the things you needed to do to take care of y Explain things in a way you could understand. Spend enough time with you.

Help you deal with feelings of uncertainty about your health or health car

# Conclusion

- The analysis revealed room for improvement in quality of health care through the implementation of effective patient-provider communication.
- Future medical and public health policies and training related to improving quality of health care for smokers should implement effective patient-provider communication for future interventions.

	OR (95% CI)	p-value	
	8.039 (4.648-14.178)	<.0001	
	17.246 (9.814-31.360)	<.0001	
	28.381 (15.149-56.975)	<.0001	
our health.	16.510 (9.460-29.291)	<.0001	
	19.574 (10.597-36.620)	<.0001	
	14.560 (8.310-26.264)	<.0001	
re.	20.138 (10.672-41.016)	<.0001	