# Strategies to Improve Clinician-Patient Communication Experiences for Patients With Neurologic Conditions

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### Abstract

Increasing research supports that effective clinician communication with patients and families leads to improved patient outcomes, higher patient satisfaction, and improved clinician experiences. As a result, patient- and family-centered communication is the focus of a 2020 American Academy of Neurology quality measure and part of neurology residency training milestones. Clinicians across training levels can implement strategies for improving patient- and familycentered communication, including optimizing the communication environment, using verbal and nonverbal skills, focusing on the patient's agenda, practicing active listening, demonstrating respect and empathy, individualizing encounters to patient and family



needs, and providing clear explanations. These skills can be tailored for specialized encounters (e.g., when wearing masks, telemedicine) and for electronic communication. By purposefully identifying and incorporating key communication skills in everyday practice, clinicians have the opportunity to improve patient care and satisfaction and their own experiences in neurology clinical practice.

Effective patient-centered communication is an increasing focus in neurology clinical practice and training. In 2020, the American Academy of Neurology (AAN) published a Neurology Outcomes Quality Measurement Set including the quality measure, "Patient Communication Experiences for Patients with Neurologic Conditions." This measure assesses the number of patients or care partners who answered "always" when responding to the query "provider explained things in a way that was easy to understand." The measure has no allowable exclusions.<sup>1</sup> Patient- and familycentered communication is also part of the Interpersonal and Communication Skills competency designated by the Accreditation Council for Graduate Medical Education (ACGME).<sup>2</sup> The ACGME Milestones 2.0 workgroup identified 3 fundamental skills relating to this subcompetency: (1) relationship building, (2) approaches to identify and overcome communication barriers, and (3) strategies to elicit patient and family understanding, values, and expectations, with the aim of aligning patient goals and preferences with treatment options.<sup>2</sup> In the updated neurology residency milestones (effective July 2021), milestones pertaining to patient- and family-centered communication (the first of 4 skills associated with the Interpersonal and Communication Skills competency) relate to (1) relationship building—including verbal and nonverbal approaches—and (2) shared decision making with individualized and compassionate communication of medical information in the context of patients' and families' values, uncertainty, and conflict.<sup>3</sup> The overall

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intent of this skill is "to deliberately use language and behaviors to form constructive relationships with patients."<sup>4</sup>

The increasing focus on patient- and family-centered communication is consistent with research linking effective clinician-patient communication to higher patient satisfaction<sup>5</sup> and improved health care outcomes.<sup>6</sup> Good communication also benefits clinicians: improved patient satisfaction scores may influence reimbursement and effective communication can decrease litigation.<sup>7</sup> Research suggests that strategies to improve communication can improve both patient satisfaction and 3 parts of the quadruple aim of health care: population health, patient experiences, and clinician experiences.<sup>8,9</sup>

### How Is Communication Measured?

In clinical practice, communication is often assessed through patient satisfaction surveys such as the Agency for Healthcare Research and Quality (AHRQ) Consumer Assessment of Healthcare Providers and Systems (CAHPS) or the Press Ganey Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) surveys. The AAN based its communication quality measure on a question from CAHPS because this survey is commonly used, free, and not neurology specific (allowing comparisons with other patient populations), and the AHRQ provides related resources to promote quality improvement.<sup>1</sup> In addition to the single question chosen by the AAN for its quality measure (explaining things in a way that is easy to understand), CAHPS queries whether a clinician spends sufficient time, listens carefully, and shows respect. Similarly, the HCAHPS survey has a "communication with doctors" section querying careful listening, treatment with courtesy and respect, and whether clinicians explain things in a way that the patient can understand. Other survey tools, such as the RAND Health Care Patient Satisfaction Questionnaire, also measure communication as 1 aspect of patient satisfaction.

In the ACGME neurology milestones, relationship building is assessed based on whether the resident uses verbal and nonverbal behaviors, active listening, and clear language and establishes a therapeutic relationship through increasingly complex encounters. Skills along the shared decision-making milestone pathway include the resident identifying the need to individualize communication strategies, communicating compassionately to clarify expectations and verify understanding, communicating medical information in the context of the patient's and family's values, uncertainty, and conflict, and using shared decision making.<sup>3,4</sup>

## Improving Clinician-Patient Communication

There are many practical strategies that clinicians at any level can take to improve communication with patients and caregivers

Table 1	Strategies to Improve Clinician-Patient
	Communication

Communication				
Strategy	Examples			
Set the right environment	Find a private, quiet space			
environment	Reduce distractions (e.g., silence phone)			
	Allow sufficient time for conversations			
	Ensure that patients have support (e.g., family) if they desire			
Use body	Sit down			
language	Make eye contact			
	Orient body toward patient and family			
	If using a computer, take breaks to make eye contact and reorient			
	Vary tone of voice			
Focus on the patient's agenda	Focus on patient needs			
patient's agenua	Ask, "Is there something else you want to address in the visit today?"			
	Acknowledge and address patient concerns			
	Follow through on promises (e.g., prescription, referral)			
Practice active listening	Use active listening responses (e.g., "uh-huh," "okay") while the patient is speaking			
	Ask probing questions			
	Listen to 3–5 uninterrupted sentences (usually <30 s)			
Demonstrate	Be respectful of patient experiences and views			
empathy and respect	Show familiarity with patient's history			
	Show curiosity for the patient's point of view			
	Listen for patient/family empathic opportunities			
	Intentionally acknowledge emotions during difficult conversations			
	Practice showing empathy using NURSE mnemonic strategies (naming, the process of understanding, respecting, supporting, and exploring)			
Provide a detailed	Explain what is happening and why			
explanation	Explain options and recommendations; agree on a plan			
	Give handouts and/or recommendations for credible online resources			
-				

(Table 1). Quality communication starts with the right environment, including having a quiet, private space and allowing time for good communication.<sup>10</sup> Research suggests that patients feel that clinicians spend more time with them when the clinicians are seated. Patients also report a more positive interaction and better understanding with seated clinicians.<sup>11</sup> Patients report higher satisfaction when clinicians focus on the patient's needs rather than time management or clinical issues.<sup>12</sup> Ensuring that one has the patient's full agenda at the beginning of the visit by

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Mnemonic	Purpose/context	Description
NURSE	Empathetic communication	Name emotions
		Understand the patient's journey, e.g., "Thank you, that helps me better understand"
		Respect the patient's efforts in the struggle against illness
		Support and share how the team will aid along the way
		Explore what the patient said with follow-up questions
PEARLS	Relationship building, diffusing emotionally charged conversations	Partnership: emphasize that the patient and clinician are working together
		Empathy: work to understand the patient's view and address those concerns
		Apology: acknowledge the patient's emotions
		Respect: show appreciation for the patient's efforts
		Legitimation: legitimize the patient's concerns
		Support: emphasize that the clinical team is there to help the patient
SPIKES	Breaking bad news	Setting: arrange appropriate location (quiet, private)
		Perception: check what the patient knows about the situation
		Information: ask what the patient wants to know
		Knowledge: share information in small portions
		Empathy: expect emotion and respond empathically
		Strategy and summary: recap a few important points and outline the next 1 or 2 steps
LEARN	Cross-cultural communication	Listen: assess what the patient has heard of their health condition, query expectations for the encounter
		Explain: convey the clinician's perception of the health condition
		Acknowledge: respectfully discuss differences and point out areas of agreement
		Recommend: propose a treatment strategy
		Negotiate: reach an agreement on the plan that incorporates patient perspectives and cultura relevant approaches

Table 2 Sample Mnemonics Supporting Health Care Communication

asking "Is there something else you want to address in the visit today?" can eliminate almost 80% of unmet patient concerns.<sup>13</sup>

High-quality communication requires the clinician to be an active listener, including using encouraging sounds to demonstrate attention, asking probing questions, allowing the patient to express his or her concerns, and listening without interrupting for at least 3-5 sentences (usually less than 30 seconds).<sup>12</sup> Active listening involves both verbal and nonverbal strategies (Table 1).<sup>14,15</sup> A critical aspect of the communication skill set is to distinguish between cognitive and emotional communication. Cognitive data refer to discussions about scientific information and logical reasoning, the typical focus of medical training. Clinicians aim to teach patients and families about their diagnosis and the options available to them. At the same time-particularly in difficult conversations-emotional data are an inherent part of communication. This refers to the feelings and associations invoked in the conversation, which may be expressed verbally through tone and pace of speech but often are nonverbal forms of communication such as facial expression and posture. Both of these data streams occur simultaneously during difficult conversations. When clinicians are intentional about bringing emotion to the surface, patients feel a deeper sense of clinician empathy and respect.<sup>16</sup>

Respect and empathy are paramount to clinician-patient communication,<sup>12,14,17</sup> with 1 study showing that respect accounted for more than 4 times as much variance in overall clinician ratings compared with all other aspects of communication.<sup>17</sup> Sixty percent of patient-clinician interactions include at least 1 empathic opportunity, which are patient or family statements of emotion, challenge, or progress.<sup>18</sup> The NURSE mnemonic (Table 2) outlines several empathic communication tools to respond to such opportunities. These include naming emotions, improving understanding of the patient's journey (focusing on understanding as a process, not as a destination), respecting patients' efforts in the struggle against illness, informing patients of how the clinician will support them along the way, and exploring what patients said with follow-up questions.<sup>19</sup> Patients also value when clinicians demonstrate knowledge of the patient and

## Table 3 Sample Situations Requiring Specialized Communication Approaches Communication Approaches

Situation	Approaches	
Encounters with participants wearing masks	Emphasize communication using body language (e.g., maintain eye contact, lean toward the patient, and use gestures)	
	Exaggerate facial expressions	
	Speak expressively (e.g., vary pitch and tone)	
	Active listening with encouraging noises and nonverbal encouragement (e.g., head nodding)	
	Speak slowly, not just loudly	
	Continue to respond to patients' emotions and validate patient concerns	
Telehealth encounters	Ensure adequate lighting so that patients and families can see body language	
	Use a good microphone so that patients and families can hear both speech and vocalizations	
	Encourage patients and families to limit ambient noise at home (e.g., turn off television and radio and mute phones)	
	Look at the camera to simulate eye contact	
	Establish rapport and communicate empathy even more intentionally than during in-person evaluations	
Communicating with individuals with	Remove distractions (e.g., television and radio)	
aphasia	Speak in short, simple sentences	
	Use gestures or drawings	
	Allow for extra time in patient responses	
	Confirm what you think you understand	

his or her health record, are caring, and respond in a thoughtful way, showing understanding of what the patient described.<sup>12</sup> Finally, patients desire clear explanations regarding what is happening and why, the options, and the reasoning behind recommendations.<sup>12,14</sup> Both verbal and written education are beneficial.<sup>12,14</sup>

#### **Communication in Challenging Situations**

Good communication practices (Table 1) are relevant across clinical encounters. However, scenarios such as encounters in which masks are required,<sup>20</sup> telehealth visits, and settings with specific communication barriers (e.g., aphasia<sup>21,22</sup>) require increased emphasis on certain approaches, such as limiting distractions and using body language (Table 3). Mnemonics can act as cues for clinicians to remember a set of specific communication skills and tasks for various situations, such as diffusing emotionally charged conversations, breaking bad news,<sup>10</sup> and navigating communication in cross-cultural encounters<sup>23</sup> (Table 2).

### **Electronic Communication**

Communication with patients via secure messaging through a patient portal has become an integral part of clinician-patient communication. Electronic communication potentially affects patient care as much as in-person communication.<sup>24</sup> Patients value the ability to communicate with their care team using secure messaging<sup>24</sup> and report that secure messaging improves self-care, communication, and engagement with clinicians.<sup>25</sup> Patients also value the support, partnership, and information-giving that they receive through secure messaging, which are all elements of patient-centered communication.<sup>26</sup> Strategies for written communication with patients include keeping sentences short, using first and second person ("I" and "you,"respectively), writing in the active voice ("I prescribed" rather than "you were prescribed"), and using noncommittal language when there is uncertainty. Links to reputable online information can be helpful.<sup>27</sup>

### **Neurology-Specific Considerations**

Optimal communication practices in neurology largely reflect those in health care as a whole. Implementation of neurology resident communication training identified that communication is more successful when allotting adequate time, empathy is critical to successful interactions, and developing approaches to specific challenging scenarios helps facilitate communication.<sup>28</sup> Recent research in neurology palliative care identified the need for a systematic approach to communication in neurodegenerative diseases including early discussions of goals and priorities to inform later decision making, preferably with caregivers present.<sup>29</sup> Using standardized language and documenting conversations were also recommended strategies.<sup>29</sup>

### Conclusions

Effective clinician communication with patients and families leads to improved patient- and clinician-related outcomes. As a result, it is increasingly emphasized and measured during neurology training and clinical practice. Clinicians across training levels can implement strategies for improving patient- and family-centered communication, ranging from optimizing communication settings, using verbal and nonverbal skills, differentiating between cognitive and emotional communication, using communication tools to demonstrate respect and empathy, individualizing encounters to patient and family needs, and providing clear explanations. These skills can be tailored for specific settings, such as encounters requiring masks, telemedicine, or electronic communication. By purposefully identifying and incorporating key communication skills in everyday practice, clinicians have the opportunity to improve patient care and satisfaction.

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#### Appendix Authors

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Neal J. Weisbrod, MD	Department of Neurology and Department of Medicine, Division of Palliative Care, University of Florida College of Medicine, Gainsville	Design/conceptualization of the manuscript, analysis/interpretation of concepts, drafting of the manuscript, and revision of the manuscript
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