Background
The inability to speak during critical illness is a source of distress for patients, yet nurse-patient communication in the intensive care unit has not been systematically studied or measured.

Objectives
To describe communication interactions, methods, and assistive techniques between nurses and nonspeaking critically ill patients in the intensive care unit.

Methods
Descriptive observational study of the nonintervention/usual care cohort from a larger clinical trial of nurse-patient communication in a medical and a cardiothoracic surgical intensive care unit. Videorecorded interactions between 10 randomly selected nurses (5 per unit) and a convenience sample of 30 critically ill adults (15 per unit) who were awake, responsive, and unable to speak because of respiratory tract intubation were rated for frequency, success, quality, communication methods, and assistive communication techniques. Patients self-rated ease of communication.

Results
Nurses initiated most (86.2%) of the communication exchanges. Mean rate of completed communication exchange was 2.62 exchanges per minute. The most common positive nurse act was making eye contact with the patient. Although communication exchanges were generally (>70%) successful, more than one-third (37.7%) of communications about pain were unsuccessful. Patients rated 40% of the communication sessions with nurses as somewhat difficult to extremely difficult. Assistive communication strategies were uncommon, with little to no use of assistive communication materials (e.g., writing supplies, alphabet or word boards).

Conclusions
Study results highlight specific areas for improvement in communication between nurses and nonspeaking patients in the intensive care unit, particularly in communication about pain and in the use of assistive communication strategies and communication materials. (American Journal of Critical Care. 2011;20:e28-e40)
More than 2.7 million patients in intensive care units (ICUs) in the United States each year are unable to speak, in large part because of the presence of artificial airways and assisted ventilation (ie, mechanical ventilation). Communication ability may be further impaired during critical illness by sedation, fatigue, delirium, or neurological disease. Communication difficulty is the most commonly reported distressing symptom for ICU patients receiving mechanical ventilation and is associated with anxiety, panic, anger, frustration, sleeplessness, and distress. Nurses also report frustration when patients are unable to verbally report their symptoms, pain levels, and needs.

Problems associated with the inability to speak during critical illness are well-known; however, the actual process of nurse-patient communication in the ICU has not been well studied or systematically measured. Without these data, it is difficult to construct appropriate and evidence-based standards for communication with nonspeaking critically ill patients. Efforts to improve communication with ICU patients should be built on a clear understanding of existing strengths and weaknesses in the communication process. In this article, we report findings from the first (usual care) phase of a larger 3-phase clinical trial of nurse-patient communication in the ICU. The purpose of this prospective substudy is to describe (1) the frequency, success, quality, and ease of nurse-patient communication interactions and (2) the communication methods and assistive strategies used between nurses and nonspeaking patients in the ICU during usual care.

**Background and Significance**

Much of the data on communication problems experienced by patients in the ICU are from qualitative studies of the patient’s experience of mechanical ventilation and/or being unable to speak. Additional survey research shows communication difficulty is associated with greater severity of illness and feelings of anger, frustration, panic, anxiety, and sleeplessness.

Most observational studies of nurse-patient communication in the ICU were conducted more than 10 years ago. Ashworth’s classic 1980 study of nurse-patient communication in 5 British ICUs showed that nurses’ communication was positively correlated with patients’ ability to communicate and provide feedback. Overall, 71% of communication consisted of short-term, task-related information, commands, or brief questions. Most (76%-96%) of the verbal interactions between staff and patients in each unit lasted less than 1 minute. Other observational studies confirmed and extended Ashworth’s findings. Salyer and Stuart used observations of 20 patients to construct a measure of nurse-patient interaction content. The Categories of Nurse-Patient Interaction Content tool included positive (ie, acknowledgment, reassurance, acceptance, approval, or affirmation) and negative (ie, expressions of rejection, refusal, denial, negation, or prohibition) action and reaction categories for nurses and patients. Positive actions of nurses were correlated with positive reactions of patients. Relatively few interactions (34/217; 15.7%) were initiated by patients. Ten years later, Hall employed the Categories of Nurse-Patient Interaction Content tool to examine the interactions between nurses and patients receiving mechanical ventilation and the relationships between nurse characteristics and their communication patterns. Higher scores on the Glasgow Coma Scale (indicating greater responsiveness of patients) were associated with more positive reactions and fewer negative actions from the nurse to the patient ($r = 0.38$, $P < .05$). The amount of time the nurse...
Most verbal staff-patient interactions last less than 1 minute.

Nurse-patient communication was video recorded during 4 separate sessions.

actually spent with the patient correlated positively with the number of positive reactions from nurse to patient \( (r = 0.37, P < .05) \). However, no association was found between length of time the nurse was assigned to the patient or amount of ICU experience that the nurse had and positive or negative actions by the nurse. Additionally, no association was found between educational level of the nurse and interactions with the patient.\(^{18}\)

The primary methods of communication used by nonspeaking ICU patients in prior studies were head nods, gesture, mouthing words, and, less frequently, writing.\(^{25,26,29,30}\) The use of alphabet or word communication boards or other forms of augmentative and assistive communication aids was described as “rare” in these studies.\(^{25,26,30}\) In a descriptive observational study that used video recordings of nurse-patient communication, Connolly\(^{31}\) described and categorized common gestural communication used by ICU patients receiving mechanical ventilation. Gestures generated by the patient represented basic needs (eg, pain medication, suctioning, thirst, sleep) and were easily interpreted within the context of the ICU. In some successful interactions, “mirroring,” or nurses’ replication of gestures initiated by patients to affirm their meaning, was a technique that led to increased frequency of gestural communication by nonspeaking patients.\(^{31}\)

In general, study results suggest that communication interactions between ICU patients and nurses are influenced by the patient’s severity of illness, level of consciousness, and degree of responsiveness. In previous studies, researchers have described typical communication between patients and nurses as brief, nurse-initiated, informative statements about physical care, yes/no questions, reassurances, or commands. However, most observational studies of nurse-patient communication in the ICU have been limited to single observations of nurse-patient dyads with observation times of various lengths.\(^{25,26,32}\) In addition, measurement parameters of “interaction” were not well defined and communication measurement has consisted primarily of lists and categorizations of communication behaviors. To our knowledge, the successfulness of communication attempts and interpretation of nonvocal communication has not been systematically evaluated in the critical care setting.

In this article, we present descriptive findings from a systematic analysis of video-recorded observations of nonspeaking ICU patients interacting with their nurses during usual care conditions. This prospective observational study aims to generate baseline measures of frequency, success, quality, and ease of nurse-patient communication in the ICU. Secondarily, differences between units were explored.

Research Questions

The following research questions are addressed:
1. What are the frequency, successfulness, and quality of communications between nurses and temporarily nonspeaking ICU patients?
2. What are patients’ ratings of communication ease (difficulty) after nurse-patient communication interactions?
3. What communication methods and assisted communication strategies are used during communication interactions between nurses and temporarily nonspeaking ICU patients?

Methods

Design

This observational study applied descriptive analysis on data from the nonintervention (usual care) cohort of a larger quasi-experimental clinical trial, the Study of Patient-Nurse Effectiveness with Assisted Communication Strategies (SPEACS). The design and methods of the SPEACS study are described in detail elsewhere.\(^{14}\) The study was approved by the University of Pittsburgh’s institutional review board. Patients, or their surrogates if the patient was incapable of decision making, provided written informed consent. Methods are presented in brief here.

Setting

The study was conducted in the 32-bed medical intensive care unit (MICU) and 22-bed cardiovascular-thoracic intensive care unit (CTICU) of a large academic medical center. Few assistive communication materials were available during this preintervention (usual care) phase of the investigation: primarily paper and, less commonly, alphabet letter boards. Family members occasionally brought in other communication aids such as dry erase boards or homemade flash cards or, very rarely, electronic keyboard devices.

Sample

Nurse Participants. Ten registered nurses (RNs), 5 from each unit, were randomly selected from a sampling pool of 44 eligible RNs. All RNs who met the following inclusion criteria are included in the
sampling pool: (1) At least 1 year of critical care nursing experience, (2) permanent staff in MICU or CTICU working at least 2 consecutive weekday shifts on a regular basis, and (3) English-speaking. Nurses with a diagnosed hearing or speech impairment were excluded, given the likelihood that these individuals would have previously been exposed to communication services or training. No nurses had previous training in augmentative or assistive communication.

Patient Participants. Thirty patients, 15 from each ICU, who met study eligibility criteria were enrolled in the study. Patients were approached and enrolled in the study depending on the availability of an enrolled nurse participant, which was determined from the daily staffing schedule. Three nonspeaking ICU patients were assigned to each study nurse for 2 consecutive observation days, forming 30 nurse-patient dyads. Patient participants met the following entry criteria: (1) age at least 18 years, (2) nonspeaking because of oral endotracheal tube or tracheostomy, (3) likely to remain intubated for 48 hours after study enrollment according to the clinician’s judgment, (4) able to understand English, and (5) scored 13 or higher on the Glasgow Coma Scale, which was applied by using a “verbal” score that represented ability to communicate words by using nonvocal methods. We provided this adaptation of the Glasgow Coma Scale verbal score because nonvocal communication ability was essential to participation in the study. Patients who were reported by family to have a diagnosed hearing, speech, or language disability that significantly interfered with communication before hospitalization were excluded from this study.

This sample was considered adequate for the descriptive purposes (mean, proportions) of this study. For descriptive statistics, means and proportions may be estimated with precision (in terms of the total width of a 95% confidence interval) of 0.746 and 0.374 for the total cohort and 1.104 and 0.522 for a unit, respectively. When we limited the investigation of changes over time on selected communication performance measures between the 2 hospital units (MICU vs CTICU) to only the usual care control cohort (n = 30), unit by time interactions as small as f = 0.390 could be detected when repeated measures analyses were used at a significance level of .05, assuming a maximum intracluster correlation of about 0.1 as in the 3-cohort SPEACS trial.

Procedures and Data Collection

Communication Observation. Data on communication between the nurse and patient were obtained by video recording 4 separate sessions of naturally occurring nurse-patient communication. Trained data collectors collected the observational data twice daily (morning and afternoon/evening) on 2 consecutive days while the nurse participant was assigned to the care of the enrolled ICU patient. Three minutes of nurse-patient interaction per session were recorded, either continuously or in additive increments, to ensure adequate and equal opportunities for communication interaction. On the basis of previous studies, this time unit was selected to be a functional time frame for observation of sending, receiving, confirmation, and follow-up of messages in the ICU.

To minimize participants’ reactivity, such as the “Hawthorne effect,” one desensitizing session was videotaped for each dyad on the morning of the first observation day. These data were not included in the analysis, but participants were unaware that the first of 5 sessions was “sham.” To supplement observational recordings, the data collector used field notes to document salient events pertaining to the setting, patient, nurse, hospital environment or routine, interruptions in the nurse-patient interaction, and the use of assistive communication equipment, such as writing pads or communication boards.

Demographics and Clinical Descriptive Data

Standard demographic information about the patients and general items pertaining to communication and hospitalization were collected to describe the sample by using a demographic data form standardized by the Center for Research in Chronic Disorders at the University of Pittsburgh School of Nursing.

Severity of illness was measured by using the Acute Physiology and Chronic Health Evaluation (APACHE) III, a well-accepted measure of illness severity in critical care populations, with higher scores indicating greater severity of illness. APACHE III scores were calculated on enrollment and daily for 2 consecutive days during observation data collection, with values obtained through review of the electronic medical record. Scores were independently calculated by 2 trained research assistants to ensure accuracy.

Delirium was measured by the Confusion Assessment Method-ICU (CAM-ICU), the most widely used instrument for diagnosing delirium. The instrument shows high interrater reliability (κ = 0.79-0.96), sensitivities of 93% to 100%, and specificities of 89% to 100% when compared with a reference standard (psychiatrist) diagnosis of delirium. CAM-ICU was
Lack of eye contact was the most common negative communication behavior.

Nurse-nonspeaking patient communications were primarily initiated by nurses, and were infrequent and brief.
nonverbal grimace, and the nurse’s gesture. Assessment of positive nurse behaviors required some judgment. For example, the use of open-ended questions by the nurse is a positive behavior, moving communication beyond yes-no questions controlled by the nurse, but only if the patient has the means (cognitively and/or motorically) to answer open-ended questions. Raters maintained good (85.4%-95.3%) interrater agreement on the identification of positive behaviors.

Ease of communication was measured by patient self-report, wherein patients used a simplified single-item self-rating (on a scale of 1 to 5) after each observation session to report their communication difficulty during that nurse-patient interaction, with 5 representing greatest difficulty. The wording of this item is consistent with items on Menzel’s Ease of Communication Scale; however, we asked patients to reflect only on their difficulty in communicating with the nurse during the previously observed interaction rather than “during the last day or two” as in Menzel’s scale.

### Data Analysis
Analyses were conducted by using SAS for Windows Version 9.2 (SAS Institute, Cary, North Carolina). In addition to automated integrity checks on the data during data entry, the range of response and contingency table analyses were used to identify data inconsistencies. Descriptive statistics (eg, means, medians, standard deviations, interquartile ranges) were computed to summarize continuous-type descriptors of patients (eg, age) and nurses (eg, years of critical care practice) as well as communication outcomes (eg, number of communication exchanges in a 3-minute session, number of acts in a single communication exchange). Frequencies, percentages, and (as appropriate) modes and ranges were calculated to describe categorical patient and nurse characteristics and communication measurements (eg, patient’s and nurse’s sex, initiator of communication exchange, level of partner assistance of exchange).

The numbers of acts per exchange were computed and subsequently averaged across the exchanges.
orally intubated during the period of observation, and the remainder (n = 18, 60%) had tracheotomy tubes that were not routinely capped or valved to enable speech. Table 2 lists patients’ clinical and demographic characteristics. Nurses, 2 men and 8 women, ranged in age from 24 to 55 years (mean, 41.80 years; SD, 8.68 years) with a mean of 11.30 years (SD, 9.1 years) in critical care practice. Table 3 shows characteristics of the 10 nurse participants.

In the 120 observation sessions, patients were restrained via single or bilateral wrist restraints during 20 (16.7%) sessions of nurse-patient communication. They tested positive for delirium on the CAM-ICU in 25 sessions (20.8%). Patients were calm and cooperative during most (n = 84; 70%) sessions, with sedation-agitation scores falling in the sedated range during 28 sessions (23.3%), but rarely in the restless-agitated range (n = 8; 7%).

Communication Interactions

Frequency. A total of 5140 communication acts were recorded and coded during 360 minutes of video-recorded interaction. Almost all (n = 5015; 97.6%) of these interactions were between nurses and patients. These communication acts clustered into 943 topical message units or communication exchanges. The mean rate of completed communication exchanges between nurses and nonspeaking patients was 2.62 exchanges per minute. The number of communication exchanges in a 3-minute session ranged from 1 to 21 exchanges (mean, 9.32; SD, 4.3), with a median of 8.5 communication exchanges per session.

The number of acts in a single communication exchange ranged from 1 to 38 (mean, 5.45; SD, 5.1). The median number of acts in an exchange was 4.0. Nearly one-third (31.8%) of the 943 communication exchanges in this sample were composed of 1 or 2 acts. An another one-third (34%) of the observed exchanges were composed of 3 to 5 communication acts. Most communication acts were performed by the nurse (3322 acts; 64.6%). Patients performed 1693 (32.9%) of the communication acts, and family members and others in the room contributed the remainder (125 acts; 2.4%) as third parties in a nurse-patient communication.

Further analyses were performed to determine whether session, unit, or nurse had an effect on the number of acts per exchange (averaged across exchanges within a session for each dyad). The only significant main effect was for intensive care unit (F1,104 = 11.74, P = .001). The CTICU dyads had a mean of 2.71 acts per exchange across the sessions, which was significantly less than the MICU mean occurring for each nurse-patient dyad across the 4 observation sessions. Linear mixed effects modeling was used to analyze this communication frequency outcome. This repeated measures model included a fixed-between-subjects effect for intensive care unit (MICU vs CTICU) and fixed within-subjects effects for session and the 2-way interaction of intensive care unit and session. Random effects were included in models for dyad as well as nurse to address the clustering of patients within nurses. Autoregressive structure was chosen as the best fitting covariance structure for the repeated session assessments based on information criteria (AIC, AICc, and BIC).

Results

Demographic Characteristics

One-hundred twenty observation sessions were completed on 30 patients ranging in age from 29 to 82 years (mean, 56.30 years; SD, 15.72 years); 16 (53%) were women. Twelve patients (40%) were men (SD) 49.47 (13.23) 12-79

Days intubated before enrollment

Mean (SD) 12.60 (11.73) 1-54

Median 9

Airway, No. (%) of patients

Intubation 12 (40)

Tracheotomy 18 (60)

Sex, No. (%) of patients

Male 14 (47)

Female 16 (53)

Race, No. (%) of patients

White 23 (77)

African American 7 (23)

Visual acuity, No. (%) of patients

Impaired 2 (7)

Accurate 3 (10)

Adequate with correction + lenses available 10 (33)

Adequate with correction + lenses not available 15 (30)

Hearing acuity, No. (%) of patients

Impaired 1 (3)

Adequate/unimpaired 28 (93)

Uses hearing aid + aid not available 1 (3)

Abbreviation: APACHE, Acute Physiology and Chronic Health Evaluation.
of 3.81 acts per exchange across the sessions. No significant interaction was found between type of intensive care unit and session (F_{3.104} = 0.34, P = .79) and no significant effects for session (F_{3.104} = 1.34, P = .27).

Initiations. Communication exchanges were most often (86.2%) initiated by nurses. Patients initiated 12%, and third parties initiated another 2% of exchanges. Most nurse-patient exchanges were about care, focusing on nurse assessment, care provision, and patients’ care needs. The topics of nurse-patient communication in the control group (usual care) will be described in greater detail in a separate article.47

Success. Of the 943 nurse-patient communication exchanges, a total of 747 exchanges (79.2%) were able to be rated for successfulness. Approximately one-fifth of the communication exchanges (n = 191; 20.3%) were statements, such as “I have a couple of your medications here,” that did not obligate a response; thus, success determinations were not possible. A few (n = 5) exchanges were incomplete or could not be fully understood by raters. Of the 747 rated exchanges, most (71.8%) were transmitted successfully with adequate understanding or acknowledgment. An additional 14 exchanges (1.9%) achieved the highest rating for being transmitted successfully with elaboration by the responder as in the following example.

Nurse: “Would you like to get out of bed to a chair?”
Patient: (slight nod of head) “No.” (mouths)
Nurse: “The chair is so uncomfortable.”
Patient: (nods head yes)

In more than one-quarter of the nurse-patient communication exchanges (n = 197; 26.4%), the message was partially conveyed, not conveyed, or abandoned. Messages about pain were in this “unsuccessful” range 37.7% of the time, whereas 25.0% of messages about other topics were unsuccessful. When the dichotomized categorization of success described earlier was used, patient-initiated communication exchanges were successful slightly less often than nurse-initiated exchanges (63.6% vs 74.9%). All 75 communication exchanges in which patients were judged to have not received needed assistance to communicate were rated as partially or completely unsuccessful. Communication exchanges in which patients were independent or required minimal physical or verbal assistance to communicate had the highest success rates, 90.6% and 72.0%, respectively.

Quality. Each of the 3322 communication acts performed by the nurse were rated for positive and negative behaviors. More than 1 behavior could be demonstrated in a single act. Figures 1 and 2 detail the positive and negative behaviors of nurses, respectively. Making eye contact, asking open-ended questions, greeting by name or touch, and the use of gesture or pointing were the most common positive communication behaviors used by nurses. Conversely, lack of eye contact for an entire exchange was the most common negative communication behavior, followed by speaking too rapidly and not gaining the patient’s attention before beginning a communication exchange. Self-talk or mumbling was another fairly common negative nurse behavior observed in this group. On average, nurses demonstrated 4.9 as many positive communication behaviors as negative communication behaviors. The mean number of positive nurse acts per exchange (averaged across exchanges within a session for each dyad) was 0.73, whereas the mean number of negative nurse acts per exchange (averaged across exchanges within a session for each dyad) was 0.15. Unit had a significant effect on positive nurse behaviors: CTICU nurses exhibited fewer positive communication behaviors than did MICU nurses (F = 7.38, P = .008). Negative acts did not differ by unit or by day in the study or time of observation (morning vs afternoon).

Ease of Communication. Patients were able to respond to the question, “Overall, how difficult was

<table>
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<th>Characteristic</th>
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<td>Age, y</td>
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<tr>
<td>Median</td>
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<tr>
<td>Years of critical care practice</td>
<td>11.30 (9.09)</td>
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<tr>
<td>Mean (SD)</td>
<td>2-33</td>
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<td>Median</td>
<td>11</td>
</tr>
<tr>
<td>Sex, No. (%) of nurses</td>
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<tr>
<td>Male</td>
<td>2 (20)</td>
</tr>
<tr>
<td>Female</td>
<td>8 (80)</td>
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<tr>
<td>Race, No. (%) of nurses</td>
<td></td>
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<tr>
<td>White</td>
<td>10 (100)</td>
</tr>
<tr>
<td>Highest educational level, No. (%) of nurses</td>
<td></td>
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<tr>
<td>Associate’s degree</td>
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<td>CCRN certified, No. (%) of nurses</td>
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it for you to communicate with the nurse?” after 108 out of 120 observation sessions (90%). The histogram in Figure 3 shows the distribution of communication ratings on a 5-point Likert-type scale. Most (62%) rated the observed nurse-patient communication sessions as not-at-all to a little difficult, whereas 38% rated communication as somewhat to extremely difficult.

Patient Communication Methods

Figure 4 shows communication methods used by patients. Little to no alternative communication was used other than natural methods (ie, head nod, gesture, mouthing words, and facial expression). Head nods and yes/no gestures were the most common communication technique used, followed by mouthing words and communicative nonverbal actions and gestures. Writing was minimal (n = 20 acts). No communication boards, alphabet boards, or picture boards were observed in use during these video-recorded observations.

Discussion

This study is the first published observational study in which nurse-patient communication in the ICU is comprehensively rated beyond positive and negative behaviors. The study results present an overall picture in which nonspeaking ICU patients were able to communicate and receive basic messages about care with relatively good success and a moderate degree of difficulty reported by patients. However, a more discriminate analysis and interpretation of each communication performance variable shows critical areas for improvement.
Frequency

The findings demonstrate a relatively low frequency of communication between nurses and non-speaking ICU patients as evidenced by fewer than 3 completed communication exchanges per minute on average between nurses and non-speaking patients. Moreover, communication exchanges were brief, with nearly one-third (31.8%) of exchanges comprising only 1 or 2 acts and another third (34%) comprising 3 to 5 acts. The first 3 minutes of the nurse-patient interaction, used here for consistency of measurement, may be more task-oriented than subsequent interactions or this pattern may be typical of nurse-patient interaction in the ICU. Prior studies do not provide detail about when nurse-patient observations were conducted. This is the first study to record consistent timing (morning and afternoon) and number (4) of observations equally applied to all nurse-patient dyads.

Initiations

The finding that nurses initiated the majority (82.6%) of communication exchanges and performed twice as many communication acts as patients is consistent with results of prior studies of communication in the ICU as well as studies of patient-provider communication in other settings. Clearly, nurses control the timing, topic, and method of communication with patients in the ICU. As such, nurses bear a unique responsibility to engage non-speaking patients in communication and enable the patient’s message to be effectively transmitted and understood.

Success

Overall, this group of experienced critical care nurses demonstrated mostly (73.7%) successful communication exchanges. Nevertheless, more than one-quarter of the nurse-patient communication exchanges that obligated a response were either partially understood, abandoned, or entirely ignored. All (100%) of the communication exchanges in which patients required, but did not receive, assistance from the nurse failed. Nurse-patient dyads performed best when little to no assistance was required. Untrained in augmentative and alternative communication techniques, these critical care nurses lack a set of skills in assistive communication strategies that could improve communication where the need is greatest. Nurses admit to becoming frustrated, giving up, and avoiding contact with patients with whom communication is difficult. Relatively few successful communication exchanges achieved the highest level of success, which entails an elaborated response. This area also is in need of improvement. Normal, meaningful human communication is more than yes-no answers or acknowledgments. Enabling a patient to add a brief explanation or a humorous comment to a yes-no answer can restore the patient’s sense of self or personhood. The finding that 37.7% of communications about pain were unsuccessful is disturbing and points to the need for improved pain-symptom communication.

The good news is that nurses are asking patients about pain and engaging in communication with the patients about pain. Unfortunately, these communication exchanges are often unclear and unresolved. Breakdowns occur when patients become confused with or inattentive to the nurses’ queries about symptoms of pain and when nurses have difficulty interpreting patients’ responses. Critical care clinicians use physiological cues (eg, heart rate, blood pressure, ventilator asynchrony) in addition to nonvocal behaviors (facial grimaces, gestures) as indicators of pain or discomfort. In a classic investigation of pain among ICU patients, ICU survivors reported attempting to communicate pain by signaling with their eyes, grabbing or holding onto the nurse’s arm, and moving their legs up and down. Although communicating about pain, discomfort, and other symptoms is a common need for intubated ICU patients, few data show that nurses consistently or accurately interpret nonverbal signals as symptom communication.
Quality

Negative communication behaviors were few, especially when compared with the incidence of positive communication behaviors. The list of positive behaviors, however, shows room for improvement and areas that are potentially fruitful for instruction. Nurses in this sample rarely repeated or mirrored the patient’s response or communication attempt. Suggested a method of assistive communication to the patient, physically assisted a patient to communicate, or provided verbal choices even for yes/no questions. These simple facilitative communication skills can be taught to nursing students and practicing nurses. Similarly, through communication skills training, nurses may be able to identify and discontinue common negative communication behaviors, such as failure to make eye contact, speaking too fast or with too much information, and self-talk. Unlike previous observational studies, silence during care was not recorded as a negative behavior unless the nurse failed to gain the patient’s attention before providing care or ignored a patient’s communication attempt.

Ease

Patient self-ratings of communication difficulty in this study differ markedly from such ratings in other studies that included communication difficulty as a distressing symptom. Patients’ ratings may have been affected by social desirability or the Hawthorne effect. Nevertheless, nearly 40% of patients’ responses rated communication with the nurse as somewhat to extremely difficult, suggesting room for improvement.

Communication Methods

The communication methods used by patients in this study are similar to those documented in previous research. Patients’ communication methods in the ICU have not changed in the past 3 decades since Ashworth’s original study in which the problem of impairment of patients’ communication during critical illness was documented. In fact, the incidence of writing was minimal in this cohort—less than in previous reports—and, unfortunately, no communication boards or other assistive communication devices were observed in use. Clearly, access to assistive communication materials and devices is needed in this population.
acknowledging the importance of effective communication with ICU patients. Future research should include systematic testing of interventions to improve communication with ICU patients and the development of successful communication about pain or other distressing symptoms.

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see also

For more about nurse-patient communication, visit the Critical Care Nurse Web site, www.ccnonline.org, and read the article by Grossbach et al, “Promoting Effective Communication for Patients Receiving Mechanical Ventilation” (August 2010).

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