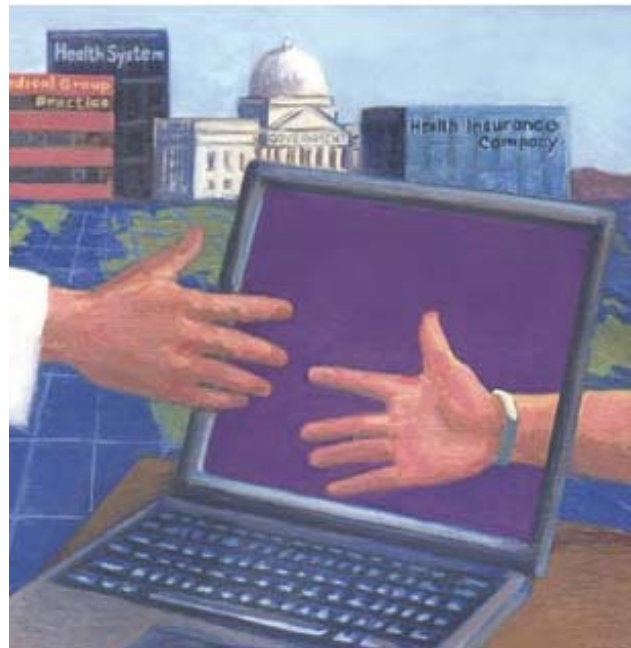




Virtual Intensive Care Unit Survey



Letter to **Name** Staff

Dear **Name** ICU Staff,

A group of University of Wisconsin researchers are working in collaboration with the National Science Foundation to examine the work of virtual ICU nurses and the challenges they face working with multiple ICUs. This survey is part of an effort to evaluate your perceptions of interactions with ICUs as well as overall outcomes. We ask you to complete this survey to help us identify solutions for improving performance and quality of working life of workers involved in multiple virtual teams.

Completion of the survey is voluntary. We are collecting information on basic demographic and background, ICUs you interact with, and nursing outcomes. The questionnaire will take about 15 minutes to complete. You can leave blank any questions you do not want to answer. **No one at your work place will ever see your answers.** Your responses are strictly confidential and will be closely guarded. Research staff will be the only people to see your answers. Your name and other identifying information will not be associated with your survey answers. All results of this study will be reported in the aggregate so that no one person can be identified. No answers of individuals will ever be released.

It is our hope that through the information we obtain from this study, we can better understand the strategies and methods that virtual ICU nurses use in developing and managing dynamic interactions with multiple ICUs. Thank you for your consideration.

Sincerely,

Pascale Carayon

Pascale Carayon, Ph.D.
Professor, Industrial and Systems Engineering
University of Wisconsin-Madison
608-265-0503 carayon@engr.wisc.edu

Instructions

When completing the questionnaire, you can leave blank any questions that you do not want to answer. Remember that your responses are strictly confidential and will be closely guarded. This questionnaire has been designed to gather information about the work you do, the technology you use, and your quality of working life. Please try to answer all of the questions.

To answer the questions, check the appropriate box on the scale. For example:

| | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|--|---------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1. Communication with people on this ICU is very open. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input checked="" type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

Some questions will require answers similar to the scale above, while other questions will require different responses. Please try to be as accurate as possible.

Section A. About your job...

- How many years of experience do you have as an ICU nurse? _____ years _____ months
- How long have you been working in the virtual ICU? _____ years _____ months
- How many hours do you work in the virtual ICU in an average week? _____ hours a week
- When during the week do you typically work? Weekdays Weekends Both
- When do you typically work? Please select all that apply. Day shift Night shift Other: _____
- The tables below list the ICUs monitored by your virtual ICU. Please indicate your levels of *satisfaction and trust* for each ICU by circling a number below.

Level of satisfaction (Circle response below, N/A= Not Applicable)

| | ←-----→ | | | | | | | | | | N/A | |
|--------|--|---|---|---|---|---|---|---|---|----|---|--|
| | Dissatisfied with this ICU and do not want to work with it | | | | | | | | | | Satisfied with this ICU and eager to work with it | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| ICU 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 11 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU .. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |

Level of trust (Circle response below, N/A = Not applicable)

| | ←-----→ | | | | | | | | | | N/A | |
|--------|--------------------------------|---|---|---|---|---|---|---|---|----|------------------------------------|--|
| | Do not trust staff in this ICU | | | | | | | | | | Completely trust staff in this ICU | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| ICU 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 11 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |
| ICU .. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | <input type="checkbox"/> | |

Section B1. About communication and collaboration with nurses in **Name ICU 1**

In this section you will be asked questions about communication and collaboration with three different ICUs that you monitor

| Communication with nurses in this ICU. | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. I look forward to working with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 2. It is easy for me to talk openly with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 3. I can think of a number of times when I received incorrect information from nurses in this ICU | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 4. Communication with nurses in this ICU is very open. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 5. It is often necessary for me to go back and check the accuracy of information I have received from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 6. I find it enjoyable to talk with nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 7. The accuracy of information that I get from nurses in this ICU leaves much to be desired. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 8. It is easy to give advice to the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 9. I feel that certain nurses in this ICU don't completely understand the information they receive. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 10. I get information on the status of patients when I need it from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 11. When a patient's status changes, I get relevant information quickly from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 12. In matters pertaining to patient care, nurses in this ICU call us in a timely manner. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

| Collaboration with nurses in this ICU. | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 13. I sometimes distrust opinions of the nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 14. I trust patient care judgments of nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 15. I feel the nurses I work with in this ICU do not do everything they should about patient care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 16. The nurses I work with in this ICU are well qualified to manage medical problems of ICU patients. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 17. I trust the nurses I work with in this ICU to tell me if a mistake was made about a patient's treatment and care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 18. I sometimes worry that the nurses I work with in this ICU do not always provide me with all the information I need. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 19. Overall, I trust the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

| | | |
|---|---------------------------------------|---------------------------------------|
| 20. Do you currently work as a bedside nurse in this ICU? | Yes | No |
| | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| 21. Have you ever worked as a bedside nurse in this ICU? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

Section B2. About communication and collaboration with nurses in **Name ICU 2**

| | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Communication with nurses in this ICU. | | | | | |
| 1. I look forward to working with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 2. It is easy for me to talk openly with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 3. I can think of a number of times when I received incorrect information from nurses in this ICU | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 4. Communication with nurses in this ICU is very open. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 5. It is often necessary for me to go back and check the accuracy of information I have received from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 6. I find it enjoyable to talk with nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 7. The accuracy of information that I get from nurses in this ICU leaves much to be desired. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 8. It is easy to give advice to the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 9. I feel that certain nurses in this ICU don't completely understand the information they receive. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 10. I get information on the status of patients when I need it from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 11. When a patient's status changes, I get relevant information quickly from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 12. In matters pertaining to patient care, nurses in this ICU call us in a timely manner. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| Collaboration with nurses in this ICU. | | | | | |
| 13. I sometimes distrust opinions of the nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 14. I trust patient care judgments of nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 15. I feel the nurses I work with in this ICU do not do everything they should about patient care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 16. The nurses I work with in this ICU are well qualified to manage medical problems of ICU patients. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 17. I trust the nurses I work with in this ICU to tell me if a mistake was made about a patient's treatment and care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 18. I sometimes worry that the nurses I work with in this ICU do not always provide me with all the information I need. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 19. Overall, I trust the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| | | Yes | | No | |
| 20. Do you currently work as a bedside nurse in this ICU? | | <input type="checkbox"/> ₁ | | <input type="checkbox"/> ₂ | |
| 21. Have you ever worked as a bedside nurse in this ICU? | | <input type="checkbox"/> ₁ | | <input type="checkbox"/> ₂ | |

Section B3. About communication and collaboration with nurses in Name ICU 3

| Communication with nurses in this ICU. | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. I look forward to working with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 2. It is easy for me to talk openly with the nurses of this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 3. I can think of a number of times when I received incorrect information from nurses in this ICU | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 4. Communication with nurses in this ICU is very open. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 5. It is often necessary for me to go back and check the accuracy of information I have received from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 6. I find it enjoyable to talk with nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 7. The accuracy of information that I get from nurses in this ICU leaves much to be desired. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 8. It is easy to give advice to the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 9. I feel that certain nurses in this ICU don't completely understand the information they receive. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 10. I get information on the status of patients when I need it from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 11. When a patient's status changes, I get relevant information quickly from nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 12. In matters pertaining to patient care, nurses in this ICU call us in a timely manner. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

| Collaboration with nurses in this ICU. | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 13. I sometimes distrust opinions of the nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 14. I trust patient care judgments of nurses I work with in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 15. I feel the nurses I work with in this ICU do not do everything they should about patient care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 16. The nurses I work with in this ICU are well qualified to manage medical problems of ICU patients. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 17. I trust the nurses I work with in this ICU to tell me if a mistake was made about a patient's treatment and care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 18. I sometimes worry that the nurses I work with in this ICU do not always provide me with all the information I need. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 19. Overall, I trust the nurses in this ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

| | Yes | No |
|---|---------------------------------------|---------------------------------------|
| 20. Do you currently work as a bedside nurse in this ICU? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| 21. Have you ever worked as a bedside nurse in this ICU? | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

Section C. About your quality of working life...

Please indicate to what extent you agree or disagree with the following statements.

| | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. In general, I am satisfied with the quality of care that I provide. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 2. I have enough time to complete patient care tasks safely. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 3. I usually have plenty to do; but I can always follow rules and procedures related to patient safety and standards of care. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

| Perceived Effectiveness | Strongly Disagree | Disagree | Neither Disagree Nor Agree | Agree | Strongly Agree |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 4. Our virtual ICU almost always meets its patient care treatment goals. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 5. Given the severity of the patients we monitor, our virtual ICU patients experience very good outcomes. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 6. Our virtual ICU does a good job of applying the most recently available technology and knowledge to patient care needs. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 7. We are able to recruit the best ICU nurses to work in our virtual ICU. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 8. We do a good job of retaining virtual ICU nurses in the unit. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 9. Overall, our virtual ICU functions very well together as a team. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| 10. Our virtual ICU is very good at responding to emergency situations. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

The following questions deal with the workload that you experience in your job. Please put an 'X' on each of the following six scales at the point that matches your overall experience of workload.

| | | | | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 11. Mental demand. How much mental activity is required to perform your job (thinking, deciding, calculating, remembering, looking, searching, etc...)? | Low | High | | | | | |
| 12. Physical demand. How much physical activity is required to perform your job (e.g., pushing, pulling, turning, controlling, activating, etc...)? | | | | | | | |
| 13. Temporal demand. How much time pressure do you feel due to the rate or pace at which the tasks or task elements occurred? | | | | | | | |
| 14. Effort. How hard do you have to work (mentally and physically) to accomplish your level of performance? | | | | | | | |
| 15. Performance. How satisfied are you with your performance at your job? | | | | | | | |
| 16. Frustration level. How insecure, discouraged, irritated, stressed and annoyed versus secure, gratified, content, relaxed and complacent do you feel about your job? | | | | | | | |
| 17. In general, how much influence do you have over work and work-related factors? | Very little | A little | Moderate amount | Much | Very much | | |
| | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | | |
| 18. All in all, how satisfied would you say you are with your job? | Not at all satisfied | Not too satisfied | Somewhat satisfied | Very satisfied | | | |
| | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | | | |
| 19. How likely is it that you will actively look for a new job in the next year? | Not at all likely | Somewhat likely | Quite likely | Extremely likely | | | |
| | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |

| | Never | A few times a year or less, almost never | Once a month or less, rarely | A few times a month, sometimes | Once a week, rather often | A few times a week, nearly all the time | Every day |
|---|---------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|---|---------------------------------------|
| 20. I feel emotionally drained from my work. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |
| 21. I feel used up at the end of the workday. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |
| 22. I feel fatigued when I get up in the morning and have to face another day on the job. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |
| 23. Working all day is really a strain for me. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |
| 24. I feel burned out from my work. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ | <input type="checkbox"/> ₆ | <input type="checkbox"/> ₇ |

Section D. About you...

1. What is your gender? ₁ Male ₂ Female

2. What is your education level? (Check only one)

₁ ADN (Associate Degree in Nursing)

₂ BS/BSN

₃ MS/MSN

₄ DnP/PhD

3. How old are you? ₁ 34 or less ₂ 35-44 ₃ 45-54 ₄ 55+

4. Are you of Hispanic or Latino origin? ₁ Yes ₂ No

5. What is your racial background? (Check all that apply)

₁ American Indian / Alaska Native

₂ Asian

₃ Native Hawaiian or Other Pacific Islander

₄ Black / African American

₅ White

₆ Other (please specify): _____

6. How many years of computer experience do you have?

Less than 1 year

2-3 year

4-5 years

6-10 years

11-20 years

More than 20 years

₁

₂

₃

₄

₅

₆

7. What description does best describe the level of your computer skills?

Novice user
(You just started using computers)

Average user
(You use software programs such as word processors, e-mail, surf the Web, etc.)

Advances user
(You can install software, setup configurations, etc.)

Expert user
(You can setup operating systems; know some computer programming languages, etc.)

₁

₂

₃

₄

8. The VISICU software is easy to work with.

Strongly Disagree

Disagree

Neither Disagree nor Agree

Agree

Strongly Agree

₁

₂

₃

₄

₅

Thank you very much for your participation in this study!

If you have any questions or comments about this survey, please send us an e-mail: carayon@engr.wisc.edu