

## Data on Characteristics of tele-ICU

1. General Information on Virtual ICU
  - 1.1. How long has the virtual ICU existed?
  - 1.2. How many ICUs are currently connected to the virtual ICU?
  - 1.3. How many hospitals are currently connected to the virtual ICU?
  - 1.4. How many beds are currently being monitored by the virtual ICU?
  - 1.5. For each ICU that you monitor, fill out one questionnaire (see attached).
2. Information on nurses in virtual ICU
  - 2.1. How many nurses currently work in the virtual ICU?
  - 2.2. Do any virtual ICU nurses also work at the bedside in the ICUs monitored by the virtual ICU? If yes, how many?
  - 2.3. Please provide the following information on nurses' schedules
    - 2.3.1. Length of each shift
    - 2.3.2. Start and end time of each shift
    - 2.3.3. Number of nurses per shift
  - 2.4. Nurses' experiences in ICU (average number of years of ICU experience)
  - 2.5. Nurses' tenure with virtual ICU (average and range; in years)
  - 2.6. How much turnover is there among the nurses in the virtual ICU?
  - 2.7. How many beds does a nurse monitor?
  - 2.8. How many ICUs does a nurse monitor?
3. Information on physicians in virtual ICU
  - 3.1. How many physicians currently work in the virtual ICU?
  - 3.2. How many virtual ICU physicians hold active sub-specialty certification in Critical Care Medicine from the American Board of Internal Medicine, the American Board of Surgery or the American Board of Anesthesiology?
  - 3.3. How many virtual ICU physicians also work at the bedside in the ICUs being supported by the virtual ICU?
  - 3.4. Please provide the following information on physicians' schedules
    - 3.4.1. Length of each shift
    - 3.4.2. Start and end times of each shift
    - 3.4.3. Number of physicians per shift
  - 3.5. Physicians' experiences in ICU (average number of years of ICU experience)

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- 3.6. Physicians' tenure with virtual ICU (average and range; in years)
- 3.7. How much turnover is there among physicians in the virtual ICU?
- 3.8. How many beds does a physician monitor?
- 3.9. How many ICUs does a physician monitor?
4. Information on other staff in the virtual ICU
  - 4.1. Are there any other staff working in the virtual ICU (e.g., pharmacist, technician)?
  - 4.2. What are the schedules of these health care providers?

## Data on Characteristics of tele-ICU

### ICU 1

1. Name of hospital
2. Name of ICU
3. Location of ICU (Northeast, Southeast, Midwest, West)
4. Type of ICU (open/closed)
5. Type of ICU (medical, surgical, neuro, cardiac, etc.)
6. Number of beds in ICU
7. When was the ICU connected to the virtual ICU?
8. Academic classification of ICU (non-teaching, teaching, tertiary referral hospital, major academic medical center-university affiliated)
9. Description of EHR system used at ICU
10. Level of responsibility provided to ICU (please refer to the table 1)

TABLE 1: ICU Category of Care Responsibilities

Category of Care	Responsibilities
1	Remote team only allowed to intervene in emergencies.
2	Remote team executes daily care plan (set by on-site team) and implements all best practices.
3	Remote team provides all ICU services when there is no physician in the ICU and communicates with the attending physician for major issues.

\*table from Breslow et al 2007

## Data on Characteristics of tele-ICU

### ICU 2

1. Name of hospital
2. Name of ICU
3. Location of ICU (Northeast, Southeast, Midwest, West)
4. Type of ICU (open/closed)
5. Type of ICU (medical, surgical, neuro, cardiac, etc.)
6. Number of beds in ICU
7. When was the ICU connected to the virtual ICU?
8. Academic classification of ICU (non-teaching, teaching, tertiary referral hospital, major academic medical center-university affiliated)
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