

## Overnight MICU Resident Survey

1. Please indicate your year in training.
  - PGY3
  - PGY4 or greater
2. Please select your gender.
  - Male
  - Female
3. Please type your age.
4. Please select your current career plans.
  - Hospital medicine
  - Primary care physician
  - Sub-specialist (even if planning to delay applying)
  - Non-clinical work
  - Undecided
  - Other

## Overnight MICU Resident Survey

5. This set of questions is designed to evaluate your sense of **autonomy, degree of supervision and safety** specifically when working **overnight in the MICU**. If you have not been the resident overnight, please imagine how you would plan to practice. Please indicate the extent to which you agree or disagree with the following statements.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
I independently develop plans for the patients I admit overnight.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ownership of the decisions that are made overnight.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have the right amount of supervision when performing procedures overnight.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel patients are equally safe during the day and at night.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For new admissions, I only make major management decisions, such as ordering advanced imaging or requesting a consult, after discussing with the overnight intensivist.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For a new admission, I have an interactive and educational discussion with the overnight intensivist about my assessment and plan.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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6. Every resident has a different **learning style**. Please sort the following educational methods indicating **how you prefer to learn overnight** by dragging and dropping into the different category boxes.

Prefer	Do not prefer	No preference
_____ Case-based	_____ Case-based	_____ Case-based
_____ Topic-specific	_____ Topic-specific	_____ Topic-specific
_____ Lecture	_____ Lecture	_____ Lecture
_____ With other residents	_____ With other residents	_____ With other residents
_____ One-on-one	_____ One-on-one	_____ One-on-one
_____ Being asked probing questions	_____ Being asked probing questions	_____ Being asked probing questions
_____ Chalk talk	_____ Chalk talk	_____ Chalk talk
_____ Procedural learning	_____ Procedural learning	_____ Procedural learning
_____ Other, please specify	_____ Other, please specify	_____ Other, please specify

7. Would you like formal scheduled teaching (e.g. didactic, chalk talk) similar to 8-8:30AM didactics to occur when you are overnight in the ICU?

- Yes
- No

*Display This Question:*  
*If you would you like formal scheduled teaching (e.g. didactic, chalk talk) similar to 8-8:30AM didactic... = Yes*

8. Where would you prefer this teaching to take place? You may select up to three choices.

- In the ICU work space (e.g. at the computer)
- At the bedside
- Some other location, please specify

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Display This Question:

If you would you like formal scheduled teaching (e.g. didactic, chalk talk) similar to 8-8:30AM didactic... = Yes

9. When would you prefer teaching to take place? Select your first choice.

- 7pm - 10 pm
- 10 pm - 1 am
- 1 am - 4 am
- 4 am - 7 am

Display This Question:

If you would you like formal scheduled teaching (e.g. didactic, chalk talk) similar to 8-8:30AM didactic... = Yes

10. For how long would you prefer teaching to last? You may select up to three choices.

- Less than one minute
- Up to 15 minutes
- 15-30 minutes

11. Residents often cite the importance of interdisciplinary teamwork overnight. With that in mind, please **indicate the frequency of teaching** you have had from various **healthcare providers present in the ICU overnight**.

	Always	Most of the time	About half the time	Sometimes	Never
Overnight intensivist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other attending	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nurses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Respiratory therapists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other internal medicine residents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other provider not listed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. It is well known that not all teaching is effective for or meaningful to the learner. With this in mind, please **drag and drop** the following healthcare providers into the order of **how much they have impacted your education overnight**. Your "number one" should represent the provider that has had the most impact.

- \_\_\_\_\_ Overnight intensivist
- \_\_\_\_\_ Other attending
- \_\_\_\_\_ Nurses
- \_\_\_\_\_ Respiratory therapists
- \_\_\_\_\_ Other internal medicine residents
- \_\_\_\_\_ Other provider not listed

13. Different kinds of clinical situations arise overnight than during the day. Please **select the top five** topics that you learn the most about overnight.

- Ventilator management
- Sepsis management
- Vasopressors
- Sedation
- Tachyarrhythmias
- Transfusion of blood products
- Running a "Code Blue"
- Neuromuscular blocking agents
- Procedures (CVL, arterial line)
- Bedside ultrasound (TTE, IVC flattening, etc.)
- Family and patient communication
- Nurse-resident conflicts
- Intern-resident conflicts

14. Everyone has clinical situations with which they feel less comfortable managing. Please select the **top five** clinical topics that make you feel **anxious or uncomfortable** when faced with them overnight.

- Ventilator management
- Sepsis management
- Vasopressors
- Sedation
- Tachyarrhythmias
- Transfusion of blood products
- Running a "Code Blue"
- Neuromuscular blocking agents
- Procedures (CVL and arterial line placements)
- Bedside ultrasound (TTE, IVC flattening, etc.)
- Family and patient communication
- Nurse-resident conflicts
- Intern-resident conflicts

15. Would you call the overnight intensivist in the following situations?

	Yes	No
Patient with new and sustained RR > 30	<input type="radio"/>	<input type="radio"/>
Patient with new and sustained HR > 130	<input type="radio"/>	<input type="radio"/>
Patient with new and sustained SBP < 85 or MAP < 50	<input type="radio"/>	<input type="radio"/>
Intubation or re-intubation	<input type="radio"/>	<input type="radio"/>
Accidental or self-extubation	<input type="radio"/>	<input type="radio"/>
Initiation or addition of vasopressor therapy	<input type="radio"/>	<input type="radio"/>
Initiation or reapplication of non-invasive ventilation	<input type="radio"/>	<input type="radio"/>
Initiation of neuromuscular blockade and/or paralytic	<input type="radio"/>	<input type="radio"/>
Use of pulmonary vasodilator therapy	<input type="radio"/>	<input type="radio"/>
CPR	<input type="radio"/>	<input type="radio"/>
Defibrillation or cardioversion	<input type="radio"/>	<input type="radio"/>
Transcutaneous pacing	<input type="radio"/>	<input type="radio"/>
Need for urgent/emergent consultation with other services	<input type="radio"/>	<input type="radio"/>
Any change in code status	<input type="radio"/>	<input type="radio"/>
Patient death (expected or unexpected)	<input type="radio"/>	<input type="radio"/>
Marked nursing concern	<input type="radio"/>	<input type="radio"/>
An angry family member	<input type="radio"/>	<input type="radio"/>
Family member requesting a meeting with attending physician	<input type="radio"/>	<input type="radio"/>

## Overnight MICU Resident Survey

16. This next set of questions is to describe **workflow overnight in the ICU**. We recognize that each call night and every intensivist is different. **Please consider your ICU overnight experience in general** when answering the following questions. Please indicate the extent to which you agree or disagree with the following statements.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
I have enough time to admit the patients assigned to me overnight.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know which overnight intensivist is working, or how to find that information.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know what time the overnight intensivist shift begins and ends.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I feel supported by the overnight intensivist.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, I feel comfortable contacting the overnight intensivist.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe the overnight intensivist has an obligation to teach.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I expect the overnight intensivist to teach.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. At what point do you usually contact the overnight intensivist about a new admission?

- After receiving the bed assignment page
- After ED sign-out has been received
- When the patient arrives in the unit
- When I am ready to staff the patient
- Some other time, please specify

18. Are you prompted to contact the attending by the ICU trigger system (note: this is separate and distinct from the floor trigger system)?

- Yes
- No
- I am not aware of the ICU trigger system.



## Overnight MICU Resident Survey

The goal of this survey is to improve the interactions between residents and the overnight intensivist. Please tell us candidly what does and does not work for you when you are on call overnight in the spaces below.

19. Consider the nights you've been on call when the interactions with the overnight intensivist have gone well. What are the behaviors or actions that he or she did to promote that **positive experience**?

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20. Unfortunately, not all interactions with the overnight intensivist go well, but the Division is working to improve this experience. What are some behaviors or issues that you've encountered with the overnight intensivist? Please do **not** include the names of specific attendings.

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