Physician Trainee-Readiness Transport Survey

Start of Block: Default Question Block

What type of health care provider are you (primarily)?

- Pediatric intensivist
- Pediatric emergency medicine (PEM) attending
- Neonatologist
- Adult emergency medicine attending
- Nurse practitioner
- Registered nurse
- Respiratory therapist
- Other (please specify) ________________________________

In what capacity are you answering this survey?

- Transport team medical director
- Transport team manager
- Other (please specify) ________________________________

In which state do you currently primarily practice?

▼ Alabama ... Wyoming
At what institution do you primarily work?

▼ Advocate Children’s Hospital ... Yale University of Medicine/Yale New Haven Hospital

In what type of facility do you currently primarily practice? Please choose all that apply.

☐ Free standing children's hospital

☐ Children's hospital within a general hospital

☐ General hospital with ≥500 beds

☐ General hospital with

☐ Other (please specify)

________________________________________________

Is your hospital a university-affiliated teaching hospital?

☐ Yes

☐ No
Which of the following pediatric fellowships does your hospital offer? Please choose all that apply.

- □ Pediatric critical care (PICU)
- □ Neonatology (NICU)
- □ Pediatric emergency medicine (PEM)
- □ None

Does your hospital offer the following services for pediatric patients? Please choose all that apply.

- □ Extracorporeal membrane oxygenation (ECMO) support
- □ ECPR (ECMO cannulation during cardiac arrest)
- □ Heart transplant
- □ Ventricular assist device
- □ Trauma center
- □ Burn center
To the best of your knowledge, how many total pediatric ICU beds (medical-surgical and cardiac combined) are in your hospital, excluding NICU beds?

- None
- <10
- 11-20
- 21-30
- 31-40
- 41-50
- >50

Please choose the option that best describes your interfacility PEDIATRIC transport program:

- Pediatric only transport program
- Combined neonatal-pediatric transport program
- Combined adult-pediatric transport program
- Other (please specify) ________________________________

Display This Question:

If Please choose the option that best describes your interfacility PEDIATRIC transport program: != Pediatric only transport program
Approximately what percentage of your program’s yearly transport volume is pediatric age only, excluding NICU transports?

- [ ] 
- [ ] 25-50%
- [ ] 50-75%
- [ ] >75%

What is the upper age cutoff (in years of age) for pediatric patients transported by your team?

- [ ] Less than 16
- [ ] Less than 17
- [ ] Less than 18
- [ ] Less than 19
- [ ] Less than 20
- [ ] Less than 21
- [ ] Less than 22
- [ ] Other (please specify) ______________________________
What is your transport program's average yearly incoming patient volume?

- [ ] <500
- [ ] 500-1000
- [ ] 1001-2000
- [ ] 2001-3000
- [ ] >3000

Which of the following transport vehicles does your transport team utilize? Please choose all that apply.

- [ ] Ambulance
- [ ] Helicopter
- [ ] Fixed-wing aircraft

What distance (in miles) from your hospital are the majority of your pediatric transports coming?

- [ ] <25
- [ ] 25-100
- [ ] >100
Which team members can be dispatched to transport PEDIATRIC patients from referring facilities? Please choose all that apply.

☐ Paramedic

☐ Nurse

☐ Nurse practitioner

☐ Respiratory therapist

☐ Pediatric resident

☐ Emergency medicine resident

☐ Anesthesia resident

☐ PICU fellow

☐ PEM fellow

☐ NICU fellow

☐ Pediatric hospitalist fellow

☐ Pediatric anesthesia fellow

☐ PICU attending

☐ PEM attending

☐ NICU attending

☐ Pediatric hospitalist attending
Who offers medical control to your pediatric transport team (primarily)? Please choose all that apply.

☐ Pediatric critical care physician

☐ Pediatric emergency medicine physician

☐ Adult trained physician

☐ Medical director of commercial entity contracted for transport

☐ Other (please specify)

______________________________________________________________
What role(s) do physician TRAINEES serve during pediatric transport? Please choose all that apply.

- Medical control
- Minute-to-minute medical direction for critically ill patients
- Advanced airway management (e.g., intubation, laryngeal mask airway (LMA) placement)
- Establishing vascular access (e.g., intraosseous line, central venous catheter, arterial line placement)
- Performing infrequent procedures (e.g., pericardiocentesis, chest tube placement)
- Delivering electricity (i.e., defibrillation, cardioversion, pacing)
- Code leader for patients undergoing cardiopulmonary resuscitation during transport
- Team leader for ECMO transport
- Other (please specify)
What criteria are used to determine TRAINEE-readiness prior to participating in pediatric transport? Please choose all that apply.

☐ Level of clinical experience

☐ Proficiency (as defined by your institution) with procedures expected to be performed during transport

☐ Successful completion of transport-specific orientation

☐ Successful completion of transport-specific simulation session(s)

☐ PALS certified

☐ NRP certified

☐ ACLS certified

☐ ATLS certified

☐ No specific criteria used

☐ Other (please specify)

________________________________________________

Do PEDIATRIC RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

☐ Yes, during a mandatory rotation

☐ Yes, during an elective rotation

☐ No
What is the first PGY year you allow for PEDIATRIC RESIDENT trainees to go on transport?

- 1
- 2
- 3
- 4
- 5

How much clinical service time is required of PEDIATRIC RESIDENT trainees prior to going out on a pediatric transport for the FIRST time in specified PGY year above?

- <6 months
- >6 months
- No specific requirement
Does your institution’s transport program require PEDIATRIC RESIDENT trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

☐ No pre-requisite rotations required
☐ Adult ICU
☐ PICU
☐ NICU
☐ Anesthesia
☐ Trauma

Do EMERGENCY MEDICINE RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

☐ Yes, during a mandatory rotation
☐ Yes, during an elective rotation
☐ No

Display This Question:
If Do EMERGENCY MEDICINE RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
What is the first PGY year you allow for EMERGENCY MEDICINE RESIDENT trainees to go on pediatric transport?

- 1
- 2
- 3
- 4
- 5

Display This Question:

If Do EMERGENCY MEDICINE RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in... != No

How much clinical service time is required of EMERGENCY MEDICINE RESIDENT trainees prior to going out on a pediatric transport for the FIRST time in specified PGY year above?

- <6 months
- >6 months
- No specific requirement

Display This Question:

If Do EMERGENCY MEDICINE RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
Does your institution's transport program require EMERGENCY MEDICINE RESIDENT trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- No pre-requisite rotations required
- Adult ICU
- PICU
- NICU
- Anesthesia
- Trauma

Do ANESTHESIA RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- Yes, during a mandatory rotation
- Yes, during an elective rotation
- No

Display This Question:

If Do ANESTHESIA RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?
What is the first PGY year you allow for ANESTHESIA RESIDENT trainees to go on pediatric transport?

- 1
- 2
- 3
- 4
- 5

Display This Question:
If Do ANESTHESIA RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric... != No

How much clinical service time is required of ANESTHESIA RESIDENT trainees prior to going out on a pediatric transport for the FIRST time in specified PGY year above?

- <6 months
- >6 months
- No specific requirement

Display This Question:
If Do ANESTHESIA RESIDENT trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric... != No
Does your institution's transport program require ANESTHESIA RESIDENT trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- [ ] No pre-requisite rotations required
- [ ] Adult ICU
- [ ] PICU
- [ ] NICU
- [ ] Anesthesia
- [ ] Trauma

Do PICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- [ ] Yes, during a mandatory rotation
- [ ] Yes, during an elective rotation
- [ ] No

Display This Question:
If Do PICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric inter... != No
Approximately how much time must PICU FELLOW trainees spend in fellowship training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ________________________________________________

Display This Question:
If Do PICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric inter... != No
Does your institution’s transport program require PICU FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- ☐ No pre-requisite rotations required
- ☐ Adult ICU
- ☐ PICU
- ☐ NICU
- ☐ Anesthesia
- ☐ Trauma

Do NICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- ☐ Yes, during a mandatory rotation
- ☐ Yes, during an elective rotation
- ☐ No

Display This Question:

If Do NICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution? Yes, during a mandatory rotation!
Approximately how much time must NICU FELLOW trainees spend in fellowship training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ________________________________

Display This Question:

If Do NICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric inter... != No
Does your institution's transport program require NICU FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- [ ] No pre-requisite rotations required
- [ ] Adult ICU
- [ ] PICU
- [ ] NICU
- [ ] Anesthesia
- [ ] Trauma

Do PEM FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- [ ] Yes, during a mandatory rotation
- [ ] Yes, during an elective rotation
- [ ] No

Display This Question:

If Do PEM FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfac... != No
Approximately how much time must PEM FELLOW trainees spend in fellowship training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ____________________________

Display This Question:

If PEM FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfa... != No
Does your institution's transport program require PEM FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

☐ No pre-requisite rotations required
☐ Adult ICU
☐ PICU
☐ NICU
☐ Anesthesia
☐ Trauma

Do ADULT ICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

☐ Yes, during a mandatory rotation
☐ Yes, during an elective rotation
☐ No
Approximately how much time must ADULT ICU FELLOW trainees spend fellowship in training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ____________________________________________

*Display This Question:*

  If Do ADULT ICU FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric i... != No
Does your institution's transport program require ADULT ICU FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- [ ] No pre-requisite rotations required
- [ ] Adult ICU
- [ ] PICU
- [ ] NICU
- [ ] Anesthesia
- [ ] Trauma

Do PEDIATRIC ANESTHESIA FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- [ ] Yes, during a mandatory rotation
- [ ] Yes, during an elective rotation
- [ ] No

Display This Question:
If Do PEDIATRIC ANESTHESIA FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
Approximately how much time must PEDIATRIC ANESTHESIA FELLOW trainees spend in fellowship training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ________________________________________________

Display This Question:

If Do PEDIATRIC ANESTHESIA FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
Does your institution's transport program require PEDIATRIC ANESTHESIA FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

- [ ] No pre-requisite rotations required
- [ ] Adult ICU
- [ ] PICU
- [ ] NICU
- [ ] Anesthesia
- [ ] Trauma

Do PEDIATRIC HOSPITALIST FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in pediatric interfacility transports at your institution?

- [ ] Yes, during a mandatory rotation
- [ ] Yes, during an elective rotation
- [ ] No

Display This Question:

If Do PEDIATRIC HOSPITALIST FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
Approximately how much time must PEDIATRIC HOSPITALIST FELLOW trainees spend in fellowship training prior to being allowed to participate in pediatric interfacility transports for the FIRST time?

- 0 months
- 1 month
- 3 months
- 6 months
- 12 months
- 18 months
- 24 months
- 30 months
- Other (please specify) ________________________________________________

Display This Question:

If Do PEDIATRIC HOSPITALIST FELLOW trainees participate as PROVIDERS (i.e., non-observatory role) in... != No
Does your institution’s transport program require PEDIATRIC HOSPITALIST FELLOW trainees to complete any of the following pre-requisite clinical rotations prior to participating in pediatric interfacility transports? Please choose all that apply.

☐ No pre-requisite rotations required
☐ Adult ICU
☐ PICU
☐ NICU
☐ Anesthesia
☐ Trauma
What criteria are used to determine airway proficiency of a physician-trainee?

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<th></th>
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<th>0 times</th>
<th>3 times</th>
<th>5 times</th>
<th>10 times</th>
<th>&gt;10 times</th>
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<td>Number of successful intubations in live patients</td>
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<td>Number of successful intubations in live patients for each designated pediatric age group (i.e., neonate, infant, toddler, child, adolescent)</td>
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<td>Number of successful high-fidelity mannequin intubations</td>
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Please describe any other requirements your program uses prior to allowing physician-trainees to participate in pediatric interfacility transports.

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End of Block: Default Question Block