

*Welcome! You are being asked to participate in a nationwide quality improvement project to research hospital Emergency Department (ED) readiness to care for children based on recently updated guidelines by the American Academy of Pediatrics.*

*The overall goal of this project is for hospitals to work with their state Emergency Medical Services for Children (EMSC) program to identify areas that will lead to improvements in the emergency care of children.*

*Thank you for taking the time to make a difference to improve care for children. Before we begin, a couple of points to keep in mind:*

- We anticipate that the electronic assessment will take 20-30 minutes to complete. Participation in this project is voluntary. All questions marked with a red asterisk in the electronic assessment are required for successful completion. You may, however, exit the assessment at any point you wish.
- **If you cannot finish the assessment in one sitting, you will be able to resume your progress from any page by clicking on the “Save and Exit” button. This will take you to a page where you must supply your email address to receive an email with a link to YOUR assessment. When you are ready to resume the assessment, click on the web address from the email message and you will be directed to the page where you exited.**
- At the completion of the electronic assessment, you will receive a score for your hospital ED regarding pediatric readiness and an analysis of areas for potential improvement. You will also be able to compare your hospital’s score against national assessment results.
- Your answers will be kept confidential. Only the project team and your state EMSC program will have access to the data. Your assessment results will be combined with those from other emergency departments for reporting purposes.
- If you have questions, complaints or concerns, or if you think you may have been harmed from participating in this project, you can contact Lenora Olson at (801) 585-9160. Dr. Olson can be reached Monday –Friday, 8am – 5pm MST.
- Contact the Institutional Review Board (IRB) if you have questions regarding your rights as a participant. Also, contact the IRB if you have questions, complaints or concerns which you do not feel you can discuss with the investigator. The University of Utah IRB may be reached by phone at (801) 581-3655 or by e-mail at [irb@hsc.utah.edu](mailto:irb@hsc.utah.edu).

**By continuing with the assessment you are giving your consent to participate in the project.**

We greatly appreciate your time in completing this assessment.

*Please provide us with the following information, in case we need to contact you to clarify any of your responses:*

Name: \_\_\_\_\_ **Name**  
 Title/Position: \_\_\_\_\_ **Title**  
 Phone number: \_\_\_\_\_ **Phone**  
 Email: \_\_\_\_\_ **Email**

*These first few questions will tell us about the infrastructure of your hospital and emergency department.*

1. What is the name of your hospital? \_\_\_\_\_ **Hospital**
2. In what city is your hospital located? \_\_\_\_\_ **City**
3. Zip code of your hospital: \_\_\_\_\_ **Zip**
4. Does your hospital have an emergency department (ED) that is open 24/7? **ED**

Yes **Y**  
 No **N** → (You do not need to complete the assessment...thanks for your time.)

5. Is each of the following organizations used for accreditation of your hospital?  
 (Check Yes or No for each)

a. The Joint Commission (TJC) Yes  No

**Accred\_TJC\_YN**

b. Centers for Medicare and Medicaid Services (CMS) Yes  No

**Accred\_CMS\_YN**

c. DNV (Det Norske Veritas) Yes  No

**Accred\_DNV\_YN**

d. Other Yes  No

**Accred\_Other\_YN**

You marked "Other" to the previous question. Please indicate the organizations used for accreditation of your hospital: \_\_\_\_\_

**Accred\_Other\_Comments**

6. Which one of the following is the best description of your ED configuration for the care of children (children as defined by your hospital)? **EDConfig**  
 (Choose one)

a.  Pediatric ED in a Children's hospital (hospital cares ONLY for children)

**PedED**

- b.  Separate pediatric ED in a general hospital (adult and children within one hospital) **SepPedEd**
- c.  General ED (pediatric and adult patients seen in same area) **GenEd**
- d.  Stand-by ED (physician on call) **StandbyED**
- e.  Free-standing ED (ED unattached to a hospital with inpatient services) **FreestandED**
- f.  Other **Other**

You marked "Other" to the previous question. Please describe your ED configuration for the care of children: \_\_\_\_\_

**EDConfig\_Other\_Comments**

7. Are any children admitted to your inpatient services (NICU, PICU, adult ICU, nursery, pediatric inpatient unit, and/or adult inpatient unit)? **InptPedSvc**

- Yes **Y**
- No → **Go to 9 N**

8. If yes, which of the following inpatient services may admit children?  
(Check Yes or No for each)

a. Neonatal intensive care unit Yes  No

**InptPedCap\_NICU\_YN**

b. Pediatric intensive care unit Yes  No

**InptPedCap\_PICU\_YN**

c. Adult intensive care unit Yes  No

**InptPedCap\_AdultICU\_YN**

d. Newborn nursery Yes  No

**InptPedCap\_Nursery\_YN**

e. Pediatric inpatient unit Yes  No

**InptPedCap\_PedWard\_YN**

f. Adult inpatient unit Yes  No

**InptPedCap\_AdultWard\_YN**

9. What is the upper age that your ED uses to define a pediatric medical patient?  
(Choose one) **AgeMed**

a. 12 years  **12**

b. 13 years  **13**

- c. 14 years  **14**
- d. 15 years  **15**
- e. 16 years  **16**
- f. 17 years  **17**
- g. 18 years  **18**
- h. 19 years  **19**
- i. 20 years  **20**
- j. 21 years  **21**
- k. Other  **Other**

You marked "Other" to the previous question. Please indicate the age your ED uses to define pediatric medical patients:\_\_\_\_\_

**AgeMed\_Other\_Comments**

10. What is the upper age that your ED uses to define a pediatric trauma patient?  
(Choose one) **AgeTrauma**

- a. 12 years  **12**
- b. 13 years  **13**
- c. 14 years  **14**
- d. 15 years  **15**
- e. 16 years  **16**
- f. 17 years  **17**
- g. 18 years  **18**
- h. 19 years  **19**
- i. 20 years  **20**
- j. 21 years  **21**
- k. Other  **Other**

You marked "Other" to the previous question. Please indicate the age your ED uses to define pediatric trauma patients:\_\_\_\_\_

**AgeTrauma\_Other\_Comments**

*Answers to the following questions will help us to better understand the resources available for the care of children in your ED.*

### Physician Administration/Coordination

11. Does your hospital have a physician coordinator who is assigned the role of overseeing various administrative aspects of pediatric emergency care (e.g., oversees quality improvement, collaborates with nursing, ensures pediatric skills of staff, develops and periodically reviews policies)?

*Note: The physician coordinator for pediatric emergency care may have additional administrative roles in the ED. **PhysCoord***

- Yes **Y** **9.5 points**  
 No → **Go to 13 N**

12. If yes, is there a job description or written list of responsibilities for this physician coordinator? **PhysCoordDescrip**

- Yes **Y**  
 No **N**

### Nurse Administration/Coordination

13. Does your hospital have a nurse coordinator who is assigned the role of overseeing various administrative aspects of pediatric emergency care (e.g., facilitates continuing education, facilitates quality improvement activities, ensures pediatric-specific elements are included in orientation of staff)?

*Note: The nurse coordinator for pediatric emergency care may have additional administrative roles in the ED. **NurseCoord***

- Yes **Y** **9.5 points**  
 No → **Go to 15 N**

14. If yes, is there a job description or written list of responsibilities for this nurse coordinator? **NurseCoordDescrip**

- Yes **Y**  
 No **N**

*The following assessment questions refer to personnel, quality improvement, and patient safety in the ED. If you have a separate pediatric ED, then answer based on resources for that area; if you do not have a separate pediatric ED, then answer based on the overall ED resources.*

## Personnel – Physicians

15. Thinking of the physicians who currently staff your ED and care for children, what types of training are represented?  
(Check Yes or No for each)

a. Emergency medicine board eligible/certified Yes  No

**PhysTraining\_EM\_YN**

b. Family medicine board eligible/certified Yes  No

**PhysTraining\_Fam\_YN**

c. Pediatrics board eligible/certified Yes  No

**PhysTraining\_Ped\_YN**

d. Pediatric emergency medicine board eligible/certified Yes  No

**PhysTraining\_PedEM\_YN**

e. Physician with other training Yes  No

**PhysTraining\_Other\_YN**

You marked “Other” to the previous question. Please describe the other levels of training the physicians who currently staff your ED and care for children have: \_\_\_\_\_

**PhysTraining\_Other\_Comments**

15b. Are **all** of your physicians in the ED who care for children board certified in Pediatric Emergency Medicine or by the American Board of Emergency Medicine/American Osteopathic Board of Emergency Medicine?

Yes → **Go to 17**

No **allBoardCert**



16. Thinking of the physicians who care for children in your ED, but are not board certified in Pediatric Emergency Medicine or by the American Board of Emergency Medicine/American Osteopathic Board of Emergency Medicine, which of the following life support courses are required by your hospital as part of credentialing?  
(Check Yes or No for each)

- a. Basic Life Support (BLS) Yes  No   
**PhysCourses\_BLS\_YN**
- b. Advanced Cardiac Life Support (ACLS) Yes  No   
**PhysCourses\_ACLS\_YN**
- c. Pediatric Basic Life Support (PBLs) (e.g., Healthcare Provider CPR certification or basic life support) Yes  No   
**PhysCourses\_PBLs\_YN**
- d. Pediatric Advanced Life Support (PALS) Yes  No   
**PhysCourses\_PALS\_YN**
- e. APLS: The Pediatric Emergency Medicine Resource (APLS) Yes  No   
**PhysCourses\_APLS\_YN**
- f. Neonatal Resuscitation Program (NRP) Yes  No   
**PhysCourses\_NRP\_YN**
- g. International Trauma Life Support (ITLS; formerly Basic Trauma Life Support) Yes  No   
**PhysCourses\_ITLS\_YN**
- h. Advanced Trauma Life Support (ATLS) Yes  No   
**PhysCourses\_ATLS\_YN**
- i. Other Yes  No   
**PhysCourses\_Other\_YN**

You marked "Other" to the previous question. Please describe other life support courses your hospital requires of physicians caring for children in the ED: \_\_\_\_\_

**PhysCourses\_Other\_Comments**

17. Does your hospital require specific pediatric competency evaluations of physicians staffing the ED (e.g., sedation and analgesia)? **PhysCompEval**

- Yes **Y**    **5 points**  
 No **N**

## Personnel – Nurses

18. Does your institution's staff policy for nurses include requirements for each of the following?

(Check Yes or No for each)

- a. Continuing education requirements in pediatric emergency care Yes  No

**NursePolicy\_ConEd\_YN**

- b. Maintenance of specialty certification for nurses (e.g., CEN, CPEN) Yes  No

**NursePolicy\_SpecCert\_YN**

19. Does your hospital require nurses caring for children in the ED to complete any of the following life support courses as a part of employment?

(Check Yes or No for each)

- a. Basic Life Support (BLS) Yes  No

**NurseCourses\_BLS\_YN**

- b. Advanced Cardiac Life Support (ACLS) Yes  No

**NurseCourses\_ACLS\_YN**

- c. Pediatric Basic Life Support (PBLIS) (e.g., Healthcare Provider CPR certification or basic life support) Yes  No

**NurseCourses\_PBLIS\_YN**

- d. Emergency Nursing Pediatric Course (ENPC) Yes  No

**NurseCourses\_ENPC\_YN**

- e. Pediatric Advanced Life Support (PALS) Yes  No

**NurseCourses\_PALS\_YN**

- f. APLS: The Pediatric Emergency Medicine Resource (APLS) Yes  No

**NurseCourses\_APLS\_YN**

- g. Neonatal Resuscitation Program (NRP) Yes  No

**NurseCourses\_NRP\_YN**

- h. International Trauma Life Support (ITLS; formerly Basic Trauma Life Support) Yes  No

**NurseCourses\_ITLS\_YN**

- i. Trauma Nursing Core Course (TNCC) Yes  No

**NurseCourses\_TNCC\_YN**



j. Other Yes  No

**NurseCourses\_Other\_YN**

You marked "Other" to the previous question. Please describe other life support courses your hospital requires of nurses caring for children in the ED: \_\_\_\_\_

**NurseCourses\_Other\_Comments**

20. Does your hospital require specific pediatric competency evaluations of nurses staffing the ED (e.g., triage, pain assessment)? **NurseCompEval**

Yes **Y** **5 points**  
 No **N**

**Personnel – Mid-level Practitioners (Nurse Practitioners, Physician Assistants)**

21. Does your hospital have mid-level practitioners (nurse practitioners and/or physician assistants) that provide care for children in the ED? **MidPrac**

Yes **Y**  
 No **→ Go to 25 N**

22. If yes, does your institution's staff privileges policy for mid-level practitioners include requirements for each of the following?  
 (Check Yes or No for each)

a. Continuing education requirements in pediatric emergency care Yes  No

**MidPolicy\_ConEd\_YN**

b. Maintenance of specialty certifications Yes  No

**MidPolicy\_SpecCert\_YN**

23. Does your hospital require mid-level practitioners caring for children in the ED to complete any of the following life support courses as a part of employment?  
 (Check Yes or No for each)

a. Basic Life Support (BLS) Yes  No

**MidCourses\_BLS\_YN**

b. Advanced Cardiac Life Support (ACLS) Yes  No

**MidCourses\_ACLS\_YN**

- c. Pediatric Basic Life Support (PBLS) (e.g., Healthcare Provider CPR certification or basic life support) Yes  No

**MidCourses\_PBLS\_YN**

- d. Emergency Nursing Pediatric Course (ENPC) Yes  No

**MidCourses\_ENPC\_YN**

- e. Pediatric Advanced Life Support (PALS) Yes  No

**MidCourses\_PALS\_YN**

- f. APLS: The Pediatric Emergency Medicine Resource (APLS) Yes  No

**MidCourses\_APLS\_YN**

- g. Neonatal Resuscitation Program (NRP) Yes  No

**MidCourses\_NRP\_YN**

- h. International Trauma Life Support (ITLS; formerly Basic Trauma Life Support) Yes  No

**MidCourses\_ITLS\_YN**

- i. Trauma Nursing Core Course (TNCC) Yes  No

**MidCourses\_TNCC\_YN**

- j. Other Yes  No

**MidCourses\_Other\_YN**

You marked "Other" to the previous question. Please describe other life support courses your hospital requires of mid-level practitioners caring for children in the ED: \_\_\_\_\_

**MidCourses\_Other\_Comments**

24. Does your hospital require specific pediatric competency evaluations of mid-level practitioners staffing the ED (e.g., triage, pain assessment)? **MidComp**

- Yes **Y**  
 No **N**

## Quality Improvement

25. Does your ED have a pediatric patient care-review process? (This may be a separate Quality Improvement/Performance Improvement Plan for pediatric patients or integrated into the overall ED Quality Improvement/Performance Improvement Plan.) **QIProcess**

- Yes **Y** **5 points**  
 No → **Go to 27 N**

26. If yes, is each of the following components included in the Quality Improvement/ Performance Improvement Plan?  
 (Check Yes or No for each)

- a. Identification of quality indicators for children  
 (e.g., performing lumbar puncture on febrile neonates) Yes  No   
**QI\_Indicators\_YN** **.5 points**
- b. Collection and analysis of pediatric emergency care  
 data (e.g., admissions, transfers, death in the ED, or  
 return visits) Yes  No   
**QI\_Data\_YN** **.5 points**
- c. Development of a plan for improvement in pediatric  
 emergency care (e.g., process to ensure that variances  
 in care are addressed through education or training  
 and reassessed for evidence of improvement) Yes  No   
**QI\_Plan\_YN** **.5 points**
- d. Re-evaluation of performance using outcomes-based  
 measures (e.g., how often was pain rapidly controlled  
 Or fever properly treated) Yes  No   
**QI\_Outcomes\_YN** **.5 points**

### Pediatric Patient Safety in the ED

27. Are all\* children seen in the ED weighed in kilograms (without conversion from pounds)?

*\*Note: This includes critical situations when a child might bypass triage and have his/her weight estimated in kilograms. **SafetyKiloWeigh***

- Yes **Y**  
 No → **Go to 29 N**

28. Is the weight recorded in the ED medical record in kilograms only?

**SafetyKiloRecord**

- Yes → **Go to 30 Y** **3.5 points**  
 No **N**

29. If no, how are children in the ED weighed, and how is the weight recorded in the medical record? **SafetyOtherWeigh**  
(Choose one)

- a.  Weighed in pounds and converted to kilograms for recording in the medical record **Pounds**
- b.  Weighed in either pounds or kilograms with an option to record in either pounds or kilograms in the medical record **Either**

30. Are temperature, heart rate, and respiratory rate recorded on all children?

Yes  No

**1.4 points**

**SafetyTemp**

31. Is blood pressure monitoring available for children of all ages based on severity of illness?

Yes  No

**1.4 points**

**SafetyBPMon**

32. Is pulse oximetry monitoring available for children of all ages based on severity of illness?

Yes  No

**1.4 points**

**SafetyPulseOx**

33. Is a written procedure in place for notification of physicians when abnormal vital signs are found in all children?

Yes  No

**1.4 points**

**SafetyVitals**

34. Is a process in place for the use of pre-calculated drug dosing in all children?

Yes  No

**3.5 points**

**SafetyDosing**

35. Is a process in place that allows for 24/7 access to interpreter services in the ED?

Yes  No

**1.4 points**

**SafetyInterpret**

*Next we wish to know about policies and/or procedures that your ED has to address the needs of children. These pediatric policies may be integrated into the overall ED policy manual or may be listed separately. They should also be written and available to staff in the ED.*

### Policies and Procedures

36. Does your ED have a triage policy that specifically addresses ill and injured children? **Triage**

- Yes **Y** **2.12 points**
- No **→ Go to 38 N**

37. If yes, do you use a validated pediatric triage tool? Yes  No  Unsure   
**PedTriage** **Y** **N** **U**

38. Does your ED have each of the following listed policies and procedures?  
 (Check Yes or No for each)

a. Pediatric patient assessment and reassessment Yes  No

**Policies\_Assess\_YN** **1.7 points**

b. Immunization assessment and management of the under-immunized child Yes  No

**Policies\_Immune\_YN** **1.7 points**

c. Child maltreatment Yes  No

**Policies\_Maltreat\_YN** **1.7 points**

d. Death of the child in the ED Yes  No

**Policies\_ChildDeath\_YN** **1.7 points**

e. Reduced-dose radiation for CT and x-ray imaging based on pediatric age or weight Yes  No

**Policies\_Imaging\_YN** **1.7 points**

39. Does your ED have a policy for promoting family-centered care? (e.g., family presence, family involvement in clinical decision making, etc.) **FamCare**

Yes **Y** **2.12 points**

No **N**

40. Does your hospital disaster plan address issues specific to the care of children?

**DisasPlan**  
 Yes **Y** **2.12 points**

No **N**

41. Does your hospital have a policy on how to care for children with social and mental health issues? **MentalHealth**

Yes **Y**

No **N**

42. Does your hospital have a written guideline for the transfer of children with social and mental health issues out of your facility to an appropriate facility?

**MentalHealthGuideline**

Yes **Y**

No **N**

*Next we would like to know about your hospital's inter-facility transfer guidelines.*

43. Does your hospital or medical facility have written inter-facility **guidelines** that outline procedural and administrative policies with other hospitals for the transfer of patients of all ages including children in need of care not available at your hospital?

*Note: Compliance with EMTALA does not constitute having inter-facility transfer guidelines. The guidelines may be a separate document or part of an inter-facility transfer agreement document. **guidelines***

Yes → **Go to 44 Y 2.12 points**

No → **Go to 45 N**

We currently do not have written guidelines, but are in the process of developing them. **inDev**



If you are in the process of developing guidelines, when do you anticipate the guidelines to be ready? Month/Year (mm/yyyy): \_\_\_\_\_ → **Go to 45**

**guidelinesDT**

44. You answered that your facility has written inter-facility transfer **guidelines**. Please indicate whether the guidelines include the information specifically for the transfer of patients for each item below.  
(Check Yes or No for each)

a. Defined process for initiation of transfer, including the roles and responsibilities of the referring facility and referral center (including responsibilities for requesting transfer and communication) Yes  No

**component\_roles\_YN**

b. Process for selecting the appropriate care facility Yes  No

**component\_facility\_YN**

c. Process for selecting the appropriately staffed transport service to match the patient's acuity level (level of care required by patient, equipment needed in transport, etc.) Yes  No

**component\_staff\_YN**

d. Process for patient transfer (including obtaining informed consent) Yes  No

**component\_transfer\_YN**

e. Plan for transfer of copy of patient medical record Yes  No

**component\_record\_YN**

- f. Plan for transfer of copy of signed transport consent Yes  No   
**component\_consent\_YN**
- g. Plan for transfer of personal belongings of the patient Yes  No   
**component\_belongings\_YN**
- h. Plan for provision of directions and referral institution information to family Yes  No   
**component\_directions\_YN**

*Next we would like to know about your hospital's inter-facility transfer agreements.*

45. Does your hospital or medical facility have written inter-facility **agreement(s)** with other hospitals for the transfer of patients of all ages including children in need of care not available at your hospital? **agreements**

Yes **Y**

No **N**

We currently do not have written agreements, but are in the process of developing them. **inDev**



If you are in the process of developing agreements, when do you anticipate the agreements to be ready? Month/Year (mm/yyyy): \_\_\_\_\_

**agreementsDT**

*We would like to know about the equipment and supplies for children in your ED and how they are stored and resupplied. If you have not already printed the entire assessment, we recommend printing this portion of the assessment and taking it to your equipment and supply areas to complete to ensure accurate reporting.*

**Equipment and Supplies**

46. Is the ED staff trained on the location of all pediatric equipment and medications?

**Location**

Yes **Y** **1 Point**

No **N**

47. Is there a daily method used to verify the proper location and function of pediatric equipment and supplies? **Daily**

Yes **Y** **1 Point**

No **N**

48. Is a medication chart, length-based tape, medical software, or other system readily available to ensure proper sizing of resuscitation equipment and proper dosing of medications? **ChartTape**

- Yes **Y** **1 Point**  
 No **N**

49. Is each of the following monitoring equipment items available for immediate use in the ED?

(Check Yes or No for each)

- |   |  |
|---|--|
| a. Neonatal blood pressure cuff   | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_BPCuffNeo_YN</b>  | <b>.55 points</b>  |
| b. Infant blood pressure cuff   | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_BPCuffnf_YN</b>   | <b>.55 points</b>  |
| c. Child blood pressure cuff  | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_BPCuffCh_YN</b>   | <b>.55 points</b>  |
| d. Defibrillator with pediatric and adult capabilities including pads/paddles | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_Defib_YN</b>  | <b>.55 points</b>  |
| e. Pulse oximeter with pediatric and adult probes                             | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_PulseOx_YN</b>  | <b>.55 points</b>  |
| f. Continuous end-tidal CO2 monitoring device                                 | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>MonEquip_EndTidalCO2_YN</b>  | <b>.55 points</b>  |

50. Is each of the following fluid resuscitation equipment items available for immediate use in the ED?

(Check Yes or No for each)

- |  |  |
|--|--|
| a. 22 gauge catheter-over-the-needle   | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>ResEquip_Cath22_YN</b>  | <b>.55 points</b>  |
| b. 24 gauge catheter-over-the-needle   | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>ResEquip_Cath24_YN</b>  | <b>.55 points</b>  |
| c. Pediatric intra-osseus needles  | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <b>ResEquip_IOPed_YN</b>   | <b>.55 points</b>  |
| d. IV administration sets with calibrated chambers and extension tubing and/or infusion devices with |  |



- ability to regulate rate and volume of infusate Yes  No   
**ResEquip\_IVset\_YN** **.55 points**
- e. Umbilical vein catheters (3.5F or 5.0F) Yes  No   
**ResEquip\_UVCath\_YN** **.55 points**
- f. Central venous catheters  
 (any two sizes in range, 4F-7F) Yes  No   
**ResEquip\_CVCath\_YN** **.55 points**

51. Is each of the following respiratory/airway management equipment items available for immediate use in the ED? **Each Yes in a-qq worth .557 points**  
 (Check Yes or No for each)

- a. Endotracheal tubes: cuffed or uncuffed 2.5 mm Yes  No   
**AirEquip\_ETT25\_YN**
- b. Endotracheal tubes: cuffed or uncuffed 3.0 mm Yes  No   
**AirEquip\_ETT30\_YN**
- c. Endotracheal tubes: cuffed or uncuffed 3.5 mm Yes  No   
**AirEquip\_ETT35\_YN**
- d. Endotracheal tubes: cuffed or uncuffed 4.0 mm Yes  No   
**AirEquip\_ETT40\_YN**
- e. Endotracheal tubes: cuffed or uncuffed 4.5 mm Yes  No   
**AirEquip\_ETT45\_YN**
- f. Endotracheal tubes: cuffed or uncuffed 5.0 mm Yes  No   
**AirEquip\_ETT50\_YN**
- g. Endotracheal tubes: cuffed or uncuffed 5.5 mm Yes  No   
**AirEquip\_ETT55\_YN**
- h. Endotracheal tubes: cuffed 6.0 mm Yes  No   
**AirEquip\_ETT60\_YN**
- i. Laryngoscope blades: straight, size 00 Yes  No   
**AirEquip\_LStraight00\_YN**
- j. Laryngoscope blades: straight, size 0 Yes  No   
**AirEquip\_LStraight0\_YN**
- k. Laryngoscope blades: straight, size 1 Yes  No   
**AirEquip\_LStraight1\_YN**

- l. Laryngoscope blades: straight, size 2 Yes  No   
**AirEquip\_LStraight2\_YN**
- m. Laryngoscope blades: curved, size 2 Yes  No   
**AirEquip\_LCurved2\_YN**
- n. Pediatric-sized Magill forceps Yes  No   
**AirEquip\_ForcepsPed\_YN**
- o. Nasopharyngeal airways: infant-sized Yes  No   
**AirEquip\_NasAirInf\_YN**
- p. Nasopharyngeal airways: child-sized Yes  No   
**AirEquip\_NasAirCh\_YN**
- q. Oropharyngeal airways: size 0 (50mm) Yes  No   
**AirEquip\_OralAir0\_YN**
- r. Oropharyngeal airways: size 1 (60mm) Yes  No   
**AirEquip\_OralAir1\_YN**
- s. Oropharyngeal airways: size 2 (70mm) Yes  No   
**AirEquip\_OralAir2\_YN**
- t. Oropharyngeal airways: size 3 (80mm) Yes  No   
**AirEquip\_OralAir3\_YN**
- u. Stylets for pediatric/infant-sized endotracheal tubes Yes  No   
**AirEquip\_StyletPed\_YN**
- v. Tracheostomy tubes: size 3.0 mm Yes  No   
**AirEquip\_TrachTube30\_YN**
- w. Tracheostomy tubes: size 3.5 mm Yes  No   
**AirEquip\_TrachTube35\_YN**
- x. Tracheostomy tubes: size 4.0 mm Yes  No   
**AirEquip\_TrachTube40\_YN**
- y. Bag-mask device, self inflating: infant, 450 ml Yes  No   
**AirEquip\_Bag450\_YN**
- z. Masks to fit bag-mask device adaptor: neonatal Yes  No   
**AirEquip\_BVMNeo\_YN**
- aa. Masks to fit bag-mask device adaptor: infant Yes  No   
**AirEquip\_BVMInf\_YN**

- bb. Masks to fit bag-mask device adaptor: child Yes  No   
**AirEquip\_BVMCh\_YN**
- cc. Clear oxygen masks: standard infant Yes  No   
**AirEquip\_OxMaskInf\_YN**
- dd. Clear oxygen masks: standard child Yes  No   
**AirEquip\_OxMaskCh\_YN**
- ee. Non-rebreather masks: infant-sized Yes  No   
**AirEquip\_PNRBInf\_YN**
- ff. Non-rebreather masks: child-sized Yes  No   
**AirEquip\_NRCh\_YN**
- gg. Nasal cannulas: infant Yes  No   
**AirEquip\_NasCanInf\_YN**
- hh. Nasal cannulas: child Yes  No   
**AirEquip\_NasCanCh\_YN**
- ii. Laryngeal mask airways: size 1 Yes  No   
**AirEquip\_LMA10\_YN**
- jj. Laryngeal mask airways: size: 1.5 Yes  No   
**AirEquip\_LMA15\_YN**
- kk. Laryngeal mask airways: size: 2 Yes  No   
**AirEquip\_LMA20\_YN**
- ll. Laryngeal mask airways: size: 2.5 Yes  No   
**AirEquip\_LMA25\_YN**
- mm. Laryngeal mask airways: size: 3 Yes  No   
**AirEquip\_LMA30\_YN**
- nn. Suction catheters: at least one in range 6-8F Yes  No   
**AirEquip\_SucCath68\_YN**
- oo. Suction catheters: at least one in range 10-12F Yes  No   
**AirEquip\_SucCath1012\_YN**
- pp. Supplies/kit for pediatric patients with difficult airways  
(supraglottic airways of all sizes, needle  
cricothyrotomy supplies, surgical cricothyrotomy kit) Yes  No   
**AirEquip\_AirKitPed\_YN**

*Answers to the following question will help us to better understand barriers to the care of children in your ED.*

### Barriers

52. Do you perceive each of the following as a barrier or not a barrier in implementing national guidelines for pediatric readiness in your ED?  
(Check Yes or No for each)

a. Cost of personnel Yes  No

**Barrier\_Personnel\_YN**

b. Cost of training personnel Yes  No

**Barrier\_Training\_YN**

c. Lack of educational resources Yes  No

**Barrier\_EdRes\_YN**

d. Lack of appropriately trained physicians Yes  No

**Barrier\_Physicians\_YN**

e. Lack of appropriately trained nurses Yes  No

**Barrier\_Nurses\_YN**

f. Lack of administrative support Yes  No

**Barrier\_Admin\_YN**

g. Lack of policies for pediatric emergency care Yes  No

**Barrier\_Policies\_YN**

h. Lack of a Quality Improvement/Performance Improvement Plan for children Yes  No

**Barrier\_QIPlan\_YN**

i. Lack of a disaster plan for children Yes  No

**Barrier\_DisasPlan\_YN**

j. Lack of interest in meeting the guidelines Yes  No

**Barrier\_Interest\_YN**

- k. Unaware that national guidelines existed and/or unfamiliar with national guidelines Yes  No

**Barrier\_Unaware\_YN**

- l. Other Yes  No

**Barrier\_Other\_YN**

You marked "Other" to the previous question. Please describe other barriers in meeting national guidelines for pediatric readiness in your ED: \_\_\_\_\_ **Barrier\_Other\_Comments**

*Finally, please provide actual data or estimations of ED patient volume for the following:*

53. List the total number of patients (adult and pediatric) seen in your ED in the last year. (Numeric data only, e.g., 5000, not "five thousand")

Number of Total Patients \_\_\_\_\_ **TotalEDPatients**

54. Estimate the number of pediatric patients (as defined by your hospital) seen in your ED in the last year.

(Choose one) **PedEDPatientCat**

- a. Low: <1,800 pediatric patients (average of 5 or fewer a day)  
**low**
- b. Medium: 1,800 – 4,999 pediatric patients (average of 6-13 a day)  
**medium**
- c. Medium to High: 5,000 – 9,999 pediatric patients (average of 14-26 a day)  
**mediumHigh**
- d. High: >=10,000 pediatric patients (average of 27 or more a day)  
**high**

55. If you know the actual number or a more precise estimate of pediatric patients seen in your ED in the last year, please record below. (Numeric data only, e.g., 500, not "five hundred")

Number of Pediatric Patients \_\_\_\_\_ **PedEDPatients**

**If you have any comments, please note them here: Comments**

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