

The National Prehospital Pediatric Readiness (PPRP) Assessment is based on the 2020 Policy Statement: [Pediatric Readiness in the Emergency Medical Services Systems](#) and was developed by PPRP collaborative partners. It is intended to be used to evaluate overall pediatric readiness in Prehospital Agencies. Users agree they will not adapt, alter, amend, abridge, modify, condense, make derivative works, or translate the assessment. The project is funded in part by [HRSA's](#) EMSC Data Center (EDC) grant award UJ5MC30824 and the EMSC Innovation and Improvement Center (EIIC) grant award U07MC37471. For more information, write to emsc@hsc.utah.edu

Note: The questions in this paper version of the assessment are asked in the same order as the online version but the question numbers may vary from the online version based on automatic electronic skip patterns.

2024 NATIONAL PREHOSPITAL PEDIATRIC READINESS ASSESSMENT

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

EMS Agency

1. Name of your Agency: **cv_agency** _____
2. Address of your Agency: **address** _____
3. City your Agency is located in: **city** _____
4. Zip code of your Agency: **zip** _____
5. Does your EMS agency respond to 9-1-1 emergency medical calls (or emergency medical calls placed through other emergency access numbers if used in your region)? **cv_respond911**
☐ Yes **Y** —————> **Go to 6**
☐ No **N**
↓

If your EMS agency DOES NOT respond to 911 calls, you are finished with the assessment. Thank you for your time.

EDUCATION AND COMPETENCIES FOR PROVIDERS [Internal Note: ECP domain = 15 total points]

In the next set of questions, we are asking about the process that your agency uses to evaluate your EMS providers' skills using pediatric-specific equipment (i.e. airway adjunct use/ventilation, child safety restraint vehicle installation for pediatric patient restraint, IV/IO insertion and administration of fluids, etc.).

While individual providers in your agency may take PEPP or PALS or other national training courses in pediatric emergency care, we are interested in learning more about the process that your agency uses to evaluate provider skills, cognitive education, and behavior related to pediatric-specific equipment or events.

We realize that there are multiple processes that might be used to assess the correct use of pediatric equipment; we are interested in the following three processes:

- At a skill station
- Within a simulated event
- During an actual pediatric patient encounter

6. At a **Skill Station** (not part of a simulated event), does your agency have a process which **Requires** your **EMS** providers to **Physically Demonstrate** the correct use of **Pediatric-Specific** equipment? **cv_skillStationDemo_YN**

(This is an isolated skill-check rather than part of a simulated event.)

- ☐ Yes [Internal Note: Yes= 0.2 points]
☐ No → **Skip to 8**

7. How often is this process required for your EMS providers? **cv_skillStationDemoFreq**
(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.2 points]
☐ At least once a year **oncePerYr** [Internal Note: = 0.2 points]
☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.2 points]
☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

8. Within a **Simulated Event** (such as a case scenario or a mock incident), does your agency have a process which **Requires** your **EMS** providers to **Physically Demonstrate** the correct use of **Pediatric-Specific** equipment? **cv_skillSimulationDemo_YN**

- ☐ Yes [Internal Note: Yes= 0.2 points]
☐ No → **Skip to 10**

9. How often is this process required for your EMS providers? **cv_skillSimulationDemoFreq**
(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.2 points]
☐ At least once a year **oncePerYr** [Internal Note: = 0.2 points]
☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.2 points]
☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

10. During an actual **Pediatric Patient Encounter**, does your agency have a process which **Requires** your **EMS** providers to be observed by a **Field Training Officer, Medical Director, or Supervisor** to ensure the correct use of **Pediatric-Specific** equipment?
cv_skillObserveField_YN

- ☐ Yes [Internal Note: Yes= 0.2 points]
☐ No → **Skip to 12**

11. How often is this process required for your EMS providers? **cv_skillObserveFieldFreq**
(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.2 points]
☐ At least once a year **oncePerYr** [Internal Note: = 0.2 points]
☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.2 points]
☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

We are now going to ask about specific types of Skills Testing using pediatric equipment.

12. Does your EMS agency require physical hands-on demonstration (psychomotor) on the use of any pediatric equipment *at least once every two years?* **cv_skillpsychomotor**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No → **Skip to 23**

We are interested in understanding a little bit more about which skills you require hands-on demonstration.

Which of the following skills are tested?

(Check Yes, No, or Not within scope of practice for each of the following questions)

13. Nasopharyngeal suctioning? **cv_NasoSuction**

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

☐ Not within scope of practice **NasoSuction_NotScope**

14. Bag mask ventilation? **cv_BagVentilation**

☐ Yes [Internal Note: Yes= 0.7 points]

☐ No

☐ Not within scope of practice **BagVentilation_NotScope**

15. Adjunct airway use (nasal or oral airway)? **cv_AdjunctAirway**

☐ Yes [Internal Note: Yes= 0.5 points]

☐ No

☐ Not within scope of practice **AdjunctAirway_NotScope**

16. Safe transport/securing children? **cv_SafeTransport**

☐ Yes [Internal Note: Yes= 0.5 points]

☐ No

☐ Not within scope of practice **SafeTransport_NotScope**

17. Cervical spine motion restriction? **cv_CervicalRestriction**

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

☐ Not within scope of practice **CervicalRestriction_NotScope**

18. Peripheral intravenous line placement? **cv_PeripheralLine**

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

☐ Not within scope of practice **PeripheralLine_NotScope**

19. Intraosseous needle placement? **cv_IntraossNeedle**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

☐ Not within scope of practice **IntraossNeedle_NotScope**

20. Dose determination for medications and fluids? cv_DoseDetermination

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No
☐ Not within scope of practice DoseDetermination_NotScope

21. Supraglottic/extra glottic airway device placement? cv_AirwayPlacement

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No
☐ Not within scope of practice AirwayPlacement_NotScope

22. Endotracheal intubation? cv_EndoIntubation

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No
☐ Not within scope of practice EndoIntubation_NotScope

Aside from strictly Physically demonstrating the use of pediatric equipment...

Does your EMS agency offer training on pediatric-specific knowledge (cognitive education) to its providers in one or more of the following modalities?

(Check Yes or No for each of the following questions)

23. In-person/Virtual (synchronous didactics)? cv_PersonTrain

- ☐ Yes [Internal Note: Yes= 0.1 points]
☐ No → **Skip to 25**

24. How often is this training offered for your EMS providers? cv_PersonTrainFreq

(Choose one)

- ☐ Two or more times a year twoOrMorePerYr [Internal Note: = 0.5 points]
☐ At least once a year oncePerYr [Internal Note: = 0.5 points]
☐ At least once every two years oncePerTwoYrs [Internal Note: = 0.5 points]
☐ Less frequently than once every two years lessThanOncePerTwoYrs

25. Online/Virtual (asynchronous)? cv_VirtualTrain

- ☐ Yes [Internal Note: Yes= 0.1 points]
☐ No → **Skip to 27**

26. How often is this training offered for your EMS providers? cv_VirtualTrainFreq

(Choose one)

- ☐ Two or more times a year twoOrMorePerYr [Internal Note: = 0.4 points]
☐ At least once a year oncePerYr [Internal Note: = 0.4 points]
☐ At least once every two years oncePerTwoYrs [Internal Note: = 0.4 points]
☐ Less frequently than once every two years lessThanOncePerTwoYrs

27. Skills Station (not part of a simulated event)? cv_SkillTrain

- ☐ Yes [Internal Note: Yes= 0.1 points]
☐ No → **Skip to 29**

28. How often is this training offered for your EMS providers? **cv_SkillTrainFreq**

(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.6 points]
- ☐ At least once a year **oncePerYr** [Internal Note: = 0.6 points]
- ☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.6 points]
- ☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

29. Simulation? **cv_SimulationTrain**

- ☐ Yes [Internal Note: Yes= 0.1 points]
- ☐ No → **Skip to 31**

30. How often is this training offered for your EMS providers? **cv_SimulationTrainFreq**

(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.5 points]
- ☐ At least once a year **oncePerYr** [Internal Note: = 0.5 points]
- ☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.5 points]
- ☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

31. Direct Patient Encounter? **cv_PatientEncounter**

- ☐ Yes [Internal Note: Yes= 0.1 points]
- ☐ No → **Skip to 33**

32. How often is this training offered for your EMS providers? **cv_PatientEncounterFreq**

(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr** [Internal Note: = 0.3 points]
- ☐ At least once a year **oncePerYr** [Internal Note: = 0.3 points]
- ☐ At least once every two years **oncePerTwoYrs** [Internal Note: = 0.3 points]
- ☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

33. Other? **OtherTrain**

- ☐ Yes
- ☐ No → **Skip to 36**

34. What other types of training do you offer? **OtherTrainText**

35. How often is this other type of training offered for your EMS providers? **OtherTrainFreq**

(Choose one)

- ☐ Two or more times a year **twoOrMorePerYr**
- ☐ At least once a year **oncePerYr**
- ☐ At least once every two years **oncePerTwoYrs**
- ☐ Less frequently than once every two years **lessThanOncePerTwoYrs**

36. Does your EMS agency **Document** whether its providers have completed continuing education on pediatric-specific **Knowledge** (e.g. neonatal resuscitation, respiratory distress in children) **at least once every two years?** **cv_DocumentEducation**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

37. For your **Highest** level of provider, what is the minimum number of pediatric continuing education hours that your EMS agency **requires every two years?** **cv_MinimumEducation**

(card classes like PALS, PEPP, EPC, APLS, NRP count)

(Choose one)

☐ 0 hours **none** [Internal Note: = 0 points]

☐ 1-2 hours **High_Two** [Internal Note: = 0.1 points]

☐ 3-4 hours **High_Four** [Internal Note: = 0.2 points]

☐ 5-6 hours **High_Six** [Internal Note: = 0.3 points]

☐ 7-8 hours **High_Eight** [Internal Note: = 0.4 points]

☐ 9 or more hours **High_Nine** [Internal Note: = 0.5 points]

Does your EMS agency require a minimum number of hours of pediatric continuing education?

(Check Yes or No for each of the following questions)

Note: the response options of the following questions (38, 40, & 42) will be customized in the online assessment to better reflect individual state/territory terminology.

38. For **BLS** providers? **BLSTrain**



☐ Yes

☐ No → **Skip to 40**

39. Which of the following pediatric classes are required **at least** every 2 years? **BLSClass**

(Check all that apply)

☐ PALS **BLS_Pals**

☐ PEPP **BLS_Pepp**

☐ EPC **BLS_EPC**

☐ APLS **BLS_APLS**

☐ NRP **BLS_NRP**

☐ PEARS **BLS_PEARs**

☐ Other Pediatric Training: _____ **BLS_OtherPedTrain**

40. For **ILS** providers? **ILSTrain**



☐ Yes

☐ No → **Skip to 42**

41. Which of the following pediatric classes are required *at least* every 2 years? **ILSClass**

(Check all that apply)

- ☐ PALS **ILS_Pals**
- ☐ PEPP **ILS_Pepp**
- ☐ EPC **ILS_EPC**
- ☐ APLS **ILS_APLS**
- ☐ NRP **ILS_NRP**
- ☐ PEARS **ILS_PEARs**
- ☐ Other Pediatric Training: _____ **ILS_OtherPedTrain**

42. For **ALS providers? **ALSTrain****

- ☐ Yes
☐ No → **Skip to 44**

43. Which of the following pediatric classes are required *at least* every 2 years? **ALSClass**

(Check all that apply)

- ☐ PALS **ALS_Pals**
- ☐ PEPP **ALS_Pepp**
- ☐ EPC **ALS_EPC**
- ☐ APLS **ALS_APLS**
- ☐ NRP **ALS_NRP**
- ☐ PEARS **ALS_PEARs**
- ☐ Other Pediatric Training: _____ **ALS_OtherPedTrain**

Please indicate for which of the following **behavioral education topics your EMS agency requires training?**

(Check Yes or No for each of the following questions)

44. Communicating with pediatric patients across all ages? **cv_CommunicatePed**

- ☐ Yes [Internal Note: Yes= 0.5 points]
- ☐ No

45. Communicating with families of pediatric patients? **cv_CommunicateFam**

- ☐ Yes [Internal Note: Yes= 0.6 points]
- ☐ No

46. Practicing cultural humility? **cv_CulturalHumility**

- ☐ Yes [Internal Note: Yes= 0.4 points]
- ☐ No

47. Being aware of and utilizing strategies to address implicit bias? **cv_ImplicitBias**

- ☐ Yes [Internal Note: Yes= 0.4 points]
- ☐ No

48. Applying strategies to de-escalate the agitated patient? **cv_DeescalatePatient**

- ☐ Yes [Internal Note: Yes= 0.7 points]
- ☐ No

49. Providing bereavement support? **cv_BereavementSupport**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

50. Practicing trauma informed care? **cv_TraumaCare**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

51. Understanding nonverbal communication? **cv_NonverbalCommunication**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

EQUIPMENT AND SUPPLIES [Internal Note: ES domain = 12 total points]

These next questions ask about pediatric equipment.

52. Do your vehicles have **ALL** pediatric equipment recommended by national consensus guidelines ([link to guidelines' equipment list](#)) consistent with the EMS agency's *Scope of Practice*?

cv_VehicleEquip

- ☐ Yes [Internal Note: Yes= 6.9 points]
☐ No

53. Is this verified by periodic inspection *at least* once every 2 years? **cv_VehicleInspect**

- ☐ Yes [Internal Note: Yes= 5.1 points]
☐ No

INTERACTIONS WITH SYSTEMS OF CARE [Internal Note: ISC domain = 10 total points]

Next, we have some questions about engaging with hospitals.

In addition to direct patient care, please indicate in which of the following ways your EMS agency engages with hospital(s) or emergency department staff to promote pediatric emergency care in your region.

(Check Yes or No for each of the following questions)

54. Developing protocols and policies? **cv_DevelopPolicy**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

55. Regional surge capacity planning? **cv_SurgePlanning**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

56. Promoting education? **cv_EducationPromote**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

57. Sharing and receiving feedback on clinical care? **cv_FeedbackCare**

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No

58. Ensuring medication/equipment/supply availability? **cv_MedAvailability**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

59. Promoting injury prevention? **cv_InjuryPrevent**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

60. Promoting research? **cv_ResearchPromote**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

61. Promoting family-centered care? **cv_FamCarePromote**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

62. Other? **OtherPedCare**

- ☐ Yes
☐ No → **Skip to 64**

63. You answered "Other." Please describe how your EMS agency engages with hospital(s) or emergency department staff to promote pediatric emergency care in your region.

OtherPedCareText

Please indicate if your EMS agency collaborates with public health agencies to incorporate the needs of patients of all ages, including children, in one or more of the following ways.

(Check Yes or No for each of the following questions)

64. Engaging in public health **Policy** development? **PubHealthPolicy**

- ☐ Yes
☐ No

65. Engaging in public health **Protocol** development? **cv_PubHealthProtocol**

- ☐ Yes [Internal Note: Yes= 0.3 points]
☐ No

66. Identifying public health issues, including disease epidemics (e.g. influenza, opioids)?

cv_PubHealthIssue

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

67. Engaging in performance improvement initiatives? **cv_PubHealthPerformance**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

68. Disaster preparedness planning? **cv_PubHealthDisaster**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

69. Participating in healthcare coalition meetings? **cv_PubHealthCoalition**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

70. Other? **PubHealthOther**

- ☐ Yes
☐ No → **Skip to 72**

71. You answered "Other." Please describe how your EMS agency collaborates with public health agencies to incorporate the needs of patients of all ages, including children. **PubHealthOtherText**

Does your EMS agency have a disaster preparedness policy that addresses . . . ?

(Check Yes or No for each of the following questions)

72. Use of a pediatric disaster triage tool? **cv_PrepateTriage**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

73. Use of antidotes for pediatric patients? **cv_PrepateAntidote**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

74. Mass transport of pediatric patients? **cv_PrepateTransport**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

75. Tracking of unaccompanied children? **cv_PrepateTracking**

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No

76. Family reunification? **cv_PrepareFamily**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

77. Mechanisms to address pediatric mental health emergencies? **cv_PrepareMental**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

78. Other? **PrepareOther**

- ☐ Yes
☐ No → **Skip to 80**

79. You answered "Other." Please describe other components of your disaster preparedness policy.
PrepareOtherText

COORDINATION OF PEDIATRIC EMERGENCY CARE [Internal Note: ISC/CPEC domain = 14 total points]

Now we are interested in hearing about how pediatric emergency care is coordinated at your EMS agency. This is an emerging issue within emergency care and we want to gather information on what is happening across the country within EMS agencies.

One way that an agency can coordinate pediatric emergency care is by **DESIGNATING (AN) INDIVIDUAL(S)** who is/are responsible for coordinating pediatric-specific activities that could include:

- Ensuring that the pediatric perspective is included in the development of EMS protocols.
- Ensuring that fellow providers follow pediatric clinical-practice guidelines and protocols.
- Promoting pediatric continuing-education opportunities.
- Overseeing pediatric-process improvement.
- Ensuring the availability of pediatric medications, equipment, and supplies.
- Promoting agency participation in pediatric-prevention programs.
- Promoting agency participation in pediatric-research efforts.
- Interacting with the ED pediatric emergency care coordinator.
- Promoting family-centered care at the agency.

(A) DESIGNATED INDIVIDUAL(S) who coordinate(s) pediatric emergency care need not be dedicated solely to this role; it can be (an) individual(s) already in place who assume(s) this role as part of their existing duties. The individual(s) may be (a) member(s) of your agency, work at a county or region level, and/or serve more than one agency.

An individual or group that collaborates internally or externally in overseeing administrative and/or system-level aspects to improve pediatric-specific care could include a designated individual or Pediatric Emergency Care Coordinator (PECC) within an EMS agency, an individual or PECC that has responsibilities

for more than one EMS agency, a Pediatric Advisory Council (PAC), and/or a medical director with pediatric-specific knowledge and experience.

80. Which one of the following statements best describes your EMS agency? **cv_PECC**

(Choose one)

- ☐ Our EMS agency **HAS** a designated INDIVIDUAL(S) who coordinates pediatric emergency care (skip logic to next question) **hasPECC** —————> **Go to 81** [Internal Note: Yes= 0.7 points]
- ☐ Our EMS agency does **NOT Have** a designated INDIVIDUAL(S) who coordinates pediatric emergency care at this time **noPECC** —————> **Skip to 105**
- ☐ Our EMS agency does **NOT Currently** have a designated INDIVIDUAL(S) who coordinates pediatric emergency care but we **Have A Plan To Add** this role within the next year **planToAddPECC** —————> **Skip to 105**
- ☐ Our EMS agency does **NOT Currently** have a designated INDIVIDUAL(S) who coordinates pediatric emergency care but would be **Interested In Adding** this role **interestedInAPECC** —————> **Skip to 105**

You indicated that you have at least one designated individual or a group who coordinates pediatric emergency care for your EMS agency. Is this individual(s) a...?

81. A **Medical Director with pediatric-specific knowledge and experience who coordinates care for your agency? **cv_PECCMedDirector****

- ☐ Yes [Internal Note: Yes= 0.7 points] —————> **Go to 82**
- ☐ No —————> **Skip to 88**

Please describe the training that your medical director has completed.

(Check Yes or No for each of the following questions)

82. Pediatric residency? **DirectorPedResidency**

- ☐ Yes
- ☐ No
- ☐ Unknown

83. Pediatric emergency medicine fellowship? **DirectorPedFellowship**

- ☐ Yes
- ☐ No
- ☐ Unknown

84. Family medicine residency? **DirectorFamResidency**

- ☐ Yes
- ☐ No
- ☐ Unknown

85. Emergency medicine residency? **DirectorEMResidency**

- ☐ Yes

- ☐ No
☐ Unknown

86. EMS fellowship? **DirectorEMSFellowship**

- ☐ Yes
☐ No
☐ Unknown

87. Other? **DirectorOther**

- ☐ Yes
☐ No
☐ Unknown

You indicated that you have at least one designated individual or a group who coordinates pediatric emergency care for your EMS agency. Is this individual(s) a...?

(Check Yes or No for each of the following questions)

88. A person **Other Than** a medical director with pediatric-specific knowledge who coordinates care **Only For Your Agency?** **cv_PECCOneAgency**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

89. A person **Other Than** a medical director with pediatric-specific knowledge who coordinates care for **Your Agency as Well as Other** agencies? **cv_PECCMultAgency**

- ☐ Yes [Internal Note: Yes= 0.3 points]
☐ No

90. A **Pediatric Advisory Council** or committee that coordinates care for either your agency **Only or Other** agencies? **cv_PECCCouncil**

- ☐ Yes [Internal Note: Yes= 0.3 points]
☐ No

91. Another individual or group? **PECCOther**

- ☐ Yes
☐ No → **Skip to 94**

92. You answered, "Another individual or group." Please specify: **PECCOtherText**

We are interested in understanding a little bit more about what this individual or group does for your agency in the coordination of pediatric emergency care.

Does this individual or group...?

(Check Yes or No for each of the following questions)

93. Ensure that the pediatric perspective is included in the development of EMS protocols?

cv_inputDevProtocols_YN

☐ Yes [Internal Note: Yes= 0.8 points]

☐ No

94. Ensure that providers follow pediatric clinical practice guidelines and/or protocols?

cv_providerFollowsProtocols_YN

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

95. Promote pediatric continuing education opportunities? **cv_promoteConED_YN**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

96. Oversee pediatric process and/or quality improvement initiatives? **cv_overseeQI_YN**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

97. Ensure the availability of pediatric medications, equipment, and supplies?

cv_ensureSupplies_YN

☐ Yes [Internal Note: Yes= 0.7 points]

☐ No

98. Promote EMS agency participation in pediatric injury prevention programs?

cv_promotePrevention_YN

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

99. Collaborate with one or more emergency department Pediatric Emergency Care Coordinator(s)?

cv_coordWithED_YN

☐ Yes [Internal Note: Yes= 0.5 points]

☐ No

100. Promote family-centered care by ensuring inclusion of pediatric specific needs in system policies and procedures? **cv_promoteFamilyCare_YN**

☐ Yes [Internal Note: Yes= 0.5 points]

☐ No

101. Promote EMS agency participation in pediatric research efforts? **cv_promoteResearch_YN**

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

102. Provide support to more than one EMS agency? **SupportMult**

☐ Yes

☐ No

103. Have other roles or responsibilities? **OtherRoles**

☐ Yes

☐ No → **Skip to 105**



104. You marked 'other' to the previous question. Please describe the 'other' roles or responsibilities performed by the designated individual who coordinates pediatric emergency care at your agency. **OtherRolesText**

Does your EMS agency have a policy or protocol to guide destination decision making for pediatric patients with . . . ?

(Check Yes or No for each of the following questions)

105. Medical emergencies (including critically ill children)? **cv_PolicyEmergency**

- ☐ Yes [Internal Note: Yes= 1.0 points]
☐ No

106. Traumatic injuries (including suspected child abuse)? **cv_PolicyTraumatic**

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No

107. Behavioral health emergencies? **cv_PolicyBehavioral**

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

108. Does your EMS agency have a policy to specify when pre-arrival notification of critically ill or injured children is necessary? **cv_PolicyPreArrival**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

Does your EMS agency have a standardized method or template to ensure consistency in what information is conveyed for patient hand offs in the emergency department that includes . . . ?

(Check Yes or No for each of the following questions)

109. Assessment (e.g. vital signs, mental status relative to baseline, provider impression, diagnostics including glucose)? **cv_StandardVital**

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

110. Weight in kilograms? **cv_StandardWeight**

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No

111. Interventions (e.g. medications given, procedures performed)? **cv_StandardIntervention**

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No

112. Suspicion or concern for patient maltreatment? **cv_StandardMaltreat**

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

113. Other? StandardOther

- ☐ Yes
☐ No → **Skip to 115**

114. You marked 'other' to the previous question. Please describe the 'other' method or template to ensure consistency in what information is conveyed for patient hand offs in the emergency department. StandardOtherText

PATIENT AND FAMILY-CENTERED CARE IN EMS [Internal Note: PFC domain = 10 total points]

This section asks about family-centered care.

Does your EMS agency have a policy for promoting family-centered care that addresses...?

(Check Yes or No for each of the following questions)

115. Family and guardian presence during resuscitation? cv_FamResuscitation

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No

116. Practicing cultural competencies? cv_FamCultural

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No

117. Cultural humility? FamHumility

- ☐ Yes
☐ No

118. Strategies to counteract implicit bias? cv_FamBias

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

119. Flexibility around religious customs? cv_FamReligious

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

120. Family member/guardian to accompany a pediatric patient during transport?

cv_FamTransport

- ☐ Yes [Internal Note: Yes= 1.3 points]
☐ No

121. Family preference considered in destination decision-making? cv_FamDecision

- ☐ Yes [Internal Note: Yes= 1.1 points]
☐ No

122. Mechanisms to communicate with non-verbal patients? cv_FamNonVerbal

- ☐ Yes [Internal Note: Yes= 1.0 points]
☐ No

123. Accessing language services to communicate with non-English speaking patients and families?

cv_FamLanguage

☐ Yes [Internal Note: Yes= 1.3 points]

☐ No

124. Use of lay terms when communicating with families? **cv_FamCommunicate**

☐ Yes [Internal Note: Yes= 1.0 points]

☐ No

125. Narrating actions and alerting patients and caregivers before interventions are performed?

cv_FamNarrate

☐ Yes [Internal Note: Yes= 1.1 points]

☐ No

126. Other? **FamOther**

☐ Yes

☐ No → **Skip to 128**

127. You marked 'other' to the previous question. Please describe the 'other' ways your agency's policy addresses promoting family-centered care. **FamOtherText**

PATIENT AND MEDICATION SAFETY [Internal Note: PMS domain = 14 total points]

These questions are about medication safety.

128. Does your EMS agency use a length-based tape or volumetric dosing guide for medication administration? **cv_MedTape**

☐ Yes [Internal Note: Yes= 1.9 points]

☐ No

129. Does your EMS agency have a process to identify and/or review pediatric medication dosing errors (i.e. provider reported, manual data query, or automated tracking)? **cv_MedDoseError**

☐ Yes [Internal Note: Yes= 2.0 points]

☐ No → **Skip to 136**

Does this process include review of all patient encounters to identify errors in dosing or route of administration for these commonly administered medications?

(Check Yes or No for each of the following questions)

130. Midazolam? **cv_MedMid**

☐ Yes [Internal Note: Yes= 1.4 points]

☐ No

131. Epinephrine? **cv_MedEpi**

☐ Yes [Internal Note: Yes= 1.4 points]

☐ No

132. Normal Saline? **cv_MedSaline**

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No

133. Fentanyl? **cv_MedFent**

- ☐ Yes [Internal Note: Yes= 1.4 points]
☐ No

134. Other? **MedOther**

- ☐ Yes
☐ No → **Skip to 136**

135. What other medications are reviewed for dosing errors? **MedOtherText**

136. Does your EMS agency have a policy for proper restraint of children during transport?

cv_TransportRestrain

- ☐ Yes [Internal Note: Yes= 1.8 points]
☐ No → **Skip to 138**

137. Is your EMS agency's or state's policy on safe transport of children consistent with guidance from national organizations? ([If unsure, click the link for NASEMSO's Interim Guidance on this topic](#))

cv_TransportPolicy

- ☐ Yes [Internal Note: Yes= 1.5 points]
☐ No

138. Does your EMS agency carry a device for pediatric transport to safely seat/position a child which can be securely mounted to the stretcher or a seat in the back of the ambulance?

cv_TransportDevice

- ☐ Yes [Internal Note: Yes= 1.7 points]
☐ No

POLICIES, PROCEDURES, AND PROTOCOLS [Internal Note: PPP domain = 13 total points]

Next, we have some questions about policies and procedures.

139. Does your EMS *Dispatch Center* provide *Pediatric-Specific* pre-arrival instructions?

DispatchInstructions

- ☐ Yes
☐ No → **Skip to 141**
☐ Unknown **DispatchInstructions_Unknown** → **Skip to 141**

140. Which of the following *Pre-Arrival* instructions have *Pediatric-Specific* components?

DispatchPed

(Check all that apply)

- ☐ Respiratory distress **DispatchPed_RD**
☐ Choking **DispatchPed_Choking**

- ☐ Cardiac arrest **DispatchPed_CA**
- ☐ Seizure **DispatchPed_Seizure**
- ☐ Altered mental status **DispatchPed_AMS**
- ☐ Newborn delivery **DispatchPed_Newborn**
- ☐ All of the above **DispatchPed_All**
- ☐ Unknown **DispatchPed_Unknown**
- ☐ None of the above **DispatchPed_None**

For which of the following does your EMS agency include Pediatric-Specific guidance integrated into protocols, procedures, and/or policies?

(Check Yes or No for each of the following questions)

141. Respiratory distress? cv_PedRespiratory

- ☐ Yes [Internal Note: Yes= 0.7 points]
- ☐ No

142. Choking? cv_PedChoking

- ☐ Yes [Internal Note: Yes= 0.8 points]
- ☐ No

143. Cardiac arrest? cv_PedCardiac

- ☐ Yes [Internal Note: Yes= 0.9 points]
- ☐ No

144. Seizure? cv_PedSeizure

- ☐ Yes [Internal Note: Yes= 0.8 points]
- ☐ No

145. Altered mental status? cv_PedAltered

- ☐ Yes [Internal Note: Yes= 0.6 points]
- ☐ No

146. Trauma? cv_PedTrauma

- ☐ Yes [Internal Note: Yes= 1.0 points]
- ☐ No

147. Newborn delivery? cv_PedNewborn

- ☐ Yes [Internal Note: Yes= 0.9 points]
- ☐ No

148. Consent of minors? cv_PedConsent

- ☐ Yes [Internal Note: Yes= 0.8 points]
- ☐ No

149. Assessment? cv_PedAssessment

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

150. Abuse/maltreatment? cv_PedAbuse

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No

151. Refusal of minors? cv_PedRefusal

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

152. Children with behavioral or developmental disabilities? cv_PedBehavioral

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

153. Children who are technology dependent? cv_PedTechnology

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

154. Other? PedOther

- ☐ Yes
☐ No → **Skip to 156**

155. You answered "Other." Please list the other topics. PedOtherText

156. During direct patient care, do your EMS agency's providers have 24-hour/day access to a physician(s) with pediatric emergency care expertise (may be based within your own EMS agency, another EMS agency, an EMS base station, or a hospital emergency department)?

cv_PedAllDay

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No → **Skip to 164**

What is the training of the physician?

(Check Yes or No for each of the following questions)

157. Pediatric residency? PedResidency

- ☐ Yes
☐ No

158. Pediatric emergency medicine fellowship? PedPEMFellowship

- ☐ Yes
☐ No

159. Family medicine residency? **PedFamResidency**

- ☐ Yes
☐ No

160. Emergency medicine residency? **cv_PedEMResidency**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

161. EMS fellowship? **cv_PedEMS Fellowship**

- ☐ Yes [Internal Note: Yes= 0.3 points]
☐ No

162. Other? **PedOtherEdu**

- ☐ Yes
☐ No → **Skip to 164**
☐ Unknown → **Skip to 164**

163. What are the physician's other type(s) of training? **PedOtherEduText**

164. Are your EMS agency's protocols updated or revised *at Least Once Every 2 Years* to incorporate new pediatric evidence or guidelines (e.g. from scientific studies or other national guidance)? **cv_PedProtocolUpdate**

- ☐ Yes [Internal Note: Yes= 0.9 points]
☐ No
☐ Unknown **PedProtocolUpdate_Unknown**

QUALITY IMPROVEMENT/PERFORMANCE IMPROVEMENT [Internal Note: QIPI domain = 12 total points]

This section asks about quality improvement processes.

165. Does your EMS agency have a performance improvement process that includes reviewing patient charts or gathering information from *Pediatric Encounters*? **cv_PerformProcess**

- ☐ Yes [Internal Note: Yes= 0.7 points]
☐ No → **Skip to 174**

Which of the following does your EMS agency utilize?

(Check Yes or No for each of the following questions)

166. Chart review on *ALL* pediatric patient encounters? **cv_PerformAllChart**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

167. Chart review on **Randomly Selected** pediatric patient encounters? **cv_PerformRandomChart**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

168. Chart review to identify inequities in care based on **Specific Patient Demographics** (e.g. gender, race, ethnicity)? **cv_PerformInequities**

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

169. Chart review of **Critical Pediatric Events** (e.g. procedure performed; medication administered; resuscitation; trauma; death)? **cv_PerformCritical**

- ☐ Yes [Internal Note: Yes= 0.8 points]
☐ No

170. Other? **PerformOther**

- ☐ Yes
☐ No → **Skip to 172**

171. What other type(s) does your agency utilize? **PerformOtherText**

172. Does your EMS agency **Share** information gathered from **Chart Reviews** with the **Involved Providers**? **cv_PerformShare**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

173. Does your EMS agency integrate **Key Findings** gathered from **Chart Reviews** into EMS agency **Training or Education**? **cv_PerformIntegrate**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

174. Does your EMS agency **Track** patient-level data that **Includes** prehospital care of **Children**? **cv_PerformTrackData**

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No → **Skip to 182**

Which of the following types of patient-level data are Tracked?

(Check Yes or No for each of the following questions)

175. Destination of transport? **cv_TrackTransport**

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

176. Predefined quality or performance metrics specific to a clinical condition (e.g. percentage of anaphylaxis patients who received IM Epinephrine, including treatments administered by ALS and BLS providers)? **cv_TrackClinical**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

177. Components of patient assessments performed or completed (e.g. pain assessed for trauma)? **cv_TrackAssessments**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

178. Patient outcomes (e.g. mortality)? **cv_TrackOutcomes**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No

179. Patient refusals? **cv_TrackRefusals**

☐ Yes [Internal Note: Yes= 0.4 points]

☐ No

180. Other? **TrackOther**

☐ Yes

☐ No → **Skip to 182**

181. What “other” types of patient-level data are tracked? **TrackOtherText**

182. Which of the following best describes your EMS agency’s approach to improving the quality of pediatric emergency care? **cv_ImproveApproach**

(Choose one)

☐ Our agency **Has Defined** pediatric quality metrics, and **Collects** data on our own patient care **Improve_Metrics** [Internal Note: = 1.5 points]

☐ Our agency has **Not Defined** pediatric quality metrics, but **Collects** data on our own patient care **Improve_Data** [Internal Note: = 0.7 points]

☐ Our agency **Has Defined** pediatric quality metrics, and **Plans To Collect** data from our own patient care **Improve_Plan**

☐ Our agency has **Not Defined** pediatric quality metrics, and does **Not Collect** data from our own patient care **Improve_None**

183. Does your EMS agency submit **NEMSIS Compliant** data to the state EMS office? **cv_NEMSISData**

☐ Yes [Internal Note: Yes= 0.6 points]

☐ No → **Skip to 185**

184. Does your EMS agency have a process of extracting data in a fashion that is compliant with NEMSIS v3.x Data Standards? cv_NEMSISExtract

- ☐ Yes [Internal Note: Yes= 0.4 points]
☐ No

Does your EMS agency have a method (manual or automated) to obtain hospital data for at least 50% of your pediatric transports that includes?

(Check Yes or No for each of the following questions)

185. Secondary transport destination? DataDestination

- ☐ Yes
☐ No

186. ED and hospital Disposition? cv_DataDisposition

- ☐ Yes [Internal Note: Yes= 0.6 points]
☐ No

187. ED and hospital Diagnoses? cv_DataDiagnoses

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

188. Survival to hospital Admission? cv_DataAdmission

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

189. Survival to hospital Discharge? cv_DataDischarge

- ☐ Yes [Internal Note: Yes= 0.5 points]
☐ No

190. For your pediatric patients, on which of the following demographic characteristics do you report data? ReportData

(Check all that apply)

- ☐ Age Distribution **Report_Age**
☐ Race (e.g., Asian, Black) **Report_Race**
☐ Ethnicity (e.g., Hispanic, non-Hispanic) **Report_Ethnicity**
☐ Sex (e.g., as assigned at birth) **Report_Sex**
☐ Patient Gender **Report_Gender**
☐ Payor Source (e.g., private insurances, self-pay, Medicare/Medicaid) **Report_Payor**
☐ Response Levels (e.g., BLS, ALS, critical care) **Report_Response**
☐ Priority Levels **Report_Priority**

DEMOGRAPHICS

The following questions relate to your agency's resources and location.

191. Please estimate how many 911 calls (both *adult and pediatric*) your EMS agency responded to in the last year? **total911Calls**

(Numeric data only, e.g., 5000, not "five thousand")

192. Please estimate how many 911 calls your EMS agency responded to for *Pediatric Patients* (as defined by your agency) in the last year? **Ped911Calls**

(Numeric data only, e.g., 5000, not "five thousand")

193. Which one of the categories below approximates the number of 911 calls your EMS agency responded to for *Pediatric Patients* (as defined by your agency) in the last year?

cv_911PedsVolume

(Choose one)

☐ Low: Twelve (12) or fewer pediatric calls in the last year (average of 1 or fewer pediatric calls per month) **low**

☐ Medium: Between 13-100 pediatric calls in the last year (average of 2 - 8 pediatric calls per month) **medium**

☐ Medium to High: Between 101-600 pediatric calls in the last year (average of 9 - 50 pediatric calls per month) **mediumHigh**

☐ High: More than 600 pediatric calls in the last year (average of more than 50 pediatric calls per month) **high**

Note: the response options of the following questions (196-198) will be customized in the online assessment to better reflect individual state/territory terminology.

194. What is the *Highest* level of *Licensure* that pertains to the scope of care that *EMS Providers* in your agency provide to patients? **LicensureLevel**

(Choose one) While we realize that your agency may have other levels of certification, we ask that you only provide a response for the choices listed below.

☐ Emergency Medical Responder (EMR) **Licensure_EMER**

☐ Emergency Medical Technician (EMT) **Licensure_EMT**

☐ Advanced EMT (AEMT) **Licensure_AEMT**

☐ Paramedic **Licensure_Paramedic**

195. Please estimate how many *EMS Providers* currently work at your agency for each of the following level(s) of licensure?

(If no providers for a licensure level, enter 0.) Your agency may employ other types of providers than those listed here. For purposes of this assessment, we only need you to provide responses for these four types.

Provider Level	Number of Providers Full & part-time, volunteer, & paid
Emergency Medical Responder (EMR)	EMSproviders_EMR_Num
Emergency Medical Technician (EMT)	EMSproviders_EMT_Num
Advanced EMT (AEMT)	EMSproviders_AEMT_Num
Paramedic	EMS Providers_Paramedic_Num

196. What is the **Highest** level of **Certification** of your **EMS agency**? **highestEMSLevel**

(Choose one) While we realize that your agency may have other levels of certification, we ask that you only provide a response for the choices listed below.

- ☐ Basic Life Support (BLS) **BLS**
- ☐ Intermediate Life Support (ILS) **ILS**
- ☐ Advanced Life Support (ALS) **ALS**

These next few questions will help us understand the infrastructure of your agency.

197. Which of the following best describes the **Primary** source for how your EMS agency is funded?

PrimaryFund

(Choose one)

- ☐ Municipal county **Fund_MunicipalCounty**
- ☐ Municipal city **Fund_MunicipalCity**
- ☐ Franchise for profit **Fund_ProfitFranchise**
- ☐ Franchise non-profit **Fund_NonFranchise**
- ☐ Donations and grants **Fund_Donations**
- ☐ Federally funded **Fund_Federal**
- ☐ Tribally funded **Fund_Tribal**

198. How is your agency staffed? **AgencyStaff**

(Check all that apply)

- ☐ Paid employees **Staff_Paid**
- ☐ Volunteers **Staff_Volunteer**

199. Which of the following describes your response model/service? **ResponseModel**

(Check all that apply)

- ☐ Fire-based **Response_Fire**
- ☐ Hospital-based **Response_Hospital**
- ☐ Private **Response_Private**
- ☐ Third service **Response_Third**
- ☐ Public utility **Response_Public**

200. If you have any questions or comments regarding pediatric readiness, please note them here.

Respondent Information Individual completing the assessment

*These last few questions are in regards to your contact information, please note that your personal contact information will be kept **SECURE**. This personal contact information will **NOT** be sold. Personal contact information will be used solely for HRSA EMSC program initiatives to improve the delivery and quality of pediatric emergency care ONLY.*

201. First and last name of the person completing this assessment: **cv_name** _____

202. Job title of the person completing this assessment: **cv_jobtitle** _____

203. Phone number for your EMS agency: **cv_phone** _____

204. Email address of the person completing this assessment: **cv_emailAddress** _____

These are the final questions.

You had indicated that your EMS agency has an individual or individuals who coordinate pediatric emergency care for your agency.

*While you are **Not Required** to provide their name and email, we would appreciate that information so your state EMSC Program Manager can reach out to them with resources.*

*Please note that this contact information will be kept **SECURE**. This personal contact information will **NOT** be sold. Personal contact information will be used solely for HRSA EMSC program initiatives to improve the delivery and quality of pediatric emergency care ONLY.*

205. First and last name of the **Primary** person providing pediatric emergency care coordination for your agency: **cv_PECName** _____

206. Job title: **cv_PECtitle** _____

207. Email: **cv_PECemail** _____

You are now finished with the survey. You can officially submit your survey by going to EMSpedsready.org.