



Missouri 2021 National Pediatric Readiness State Summary

2021 Pediatric Readiness Response Rate

Numerator: **91**
Denominator: **113**
Response Rate: **81%**

2013-14 Pediatric Readiness Response Rate

Numerator: **80**
Denominator: **117**
Response Rate: **68%**

2021 Average State Score

67

State AVERAGE Hospital
Score out of 100
(n=90)

2021 Median State Score

62

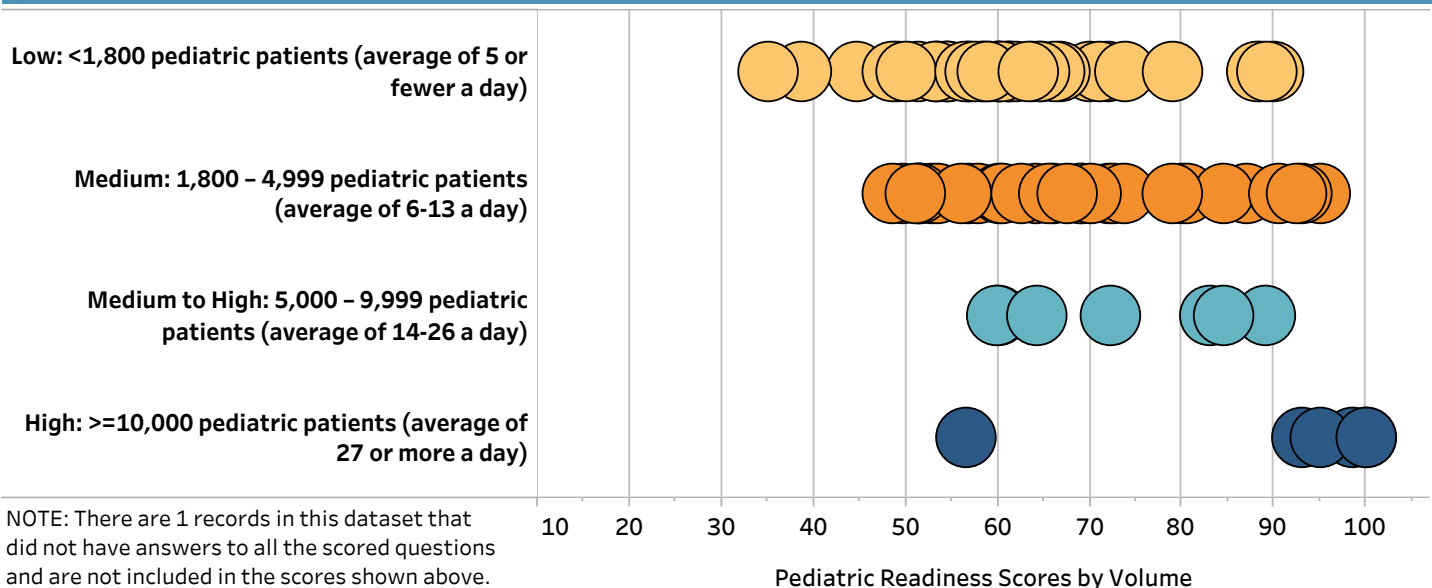
State MEDIAN Hospital
Score out of 100
(n=90)

The overall 2021 National Pediatric Readiness scores (based on the 2018 Joint Policy Guidelines) are not directly comparable with the 2013-14 state scores (based on the 2009 Joint Policy Guidelines). These were two unique assessments based on two different published sets of guidelines. Questions were added/removed and point values changed based on the new guidelines. Although the overall scores are not comparable, several individual questions remained the same and these components can be compared over time.

NOTE: There are 1 records in this dataset that did not have answers to all the scored questions and are not included in the scores shown above.

Filter chart below by urbanicity:
All

2021 Distribution of Scores by Volume

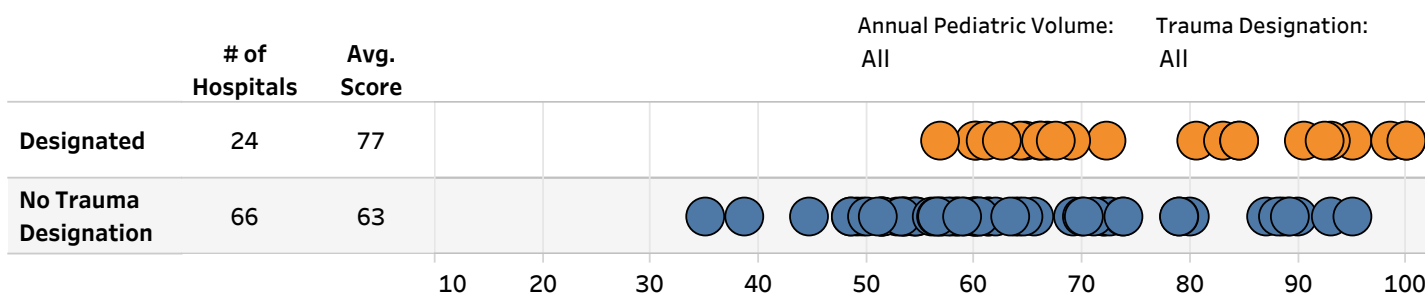


Breakdown of Scores by Volume Type:

Annual Pediatric Volume	# of Hospitals	Avg. Score	Median Score	Min. Score	Max. Score
Low: <1,800 pediatric patients (average of 5 or fewer a day)	44	61	60	35	90
Medium: 1,800 – 4,999 pediatric patients (average of 6-13 a day)	33	68	66	49	95
Medium to High: 5,000 – 9,999 pediatric patients (average of 14-26 a day)	7	73	72	60	89
High: >=10,000 pediatric patients (average of 27 or more a day)	6	91	97	57	100
Grand Total	90	67	62	35	100

NOTE: There are 1 records in this dataset that did not have answers to all the scored questions and are not included in the scores shown above.

Breakdown of Scores by Trauma Designation



NOTE: There are 1 records in this dataset that did not have answers to all the scored questions and are not included in the scores shown above.

Average Scores By Section

Section	Missing Records	Avg Section Score	Section Score
Guidelines for Administration and Coordination of the ED for the Care of Children (19 pts)	0	4.8	19
Physicians, Nurses, and Other Health Care Providers Who Staff the ED (10 pts)	0	5.5	10
Guidelines QI/PI in the ED (7 pts)	0	1.9	7
Guidelines for Improving Pediatric Patient Safety in the ED (14 pts)	1	12.4	14
Guidelines for Policies, Procedures, and Protocols for the ED (17 pts)	0	10.3	17
Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 pts)	0	31.6	33

NOTE: If there are missing values from any of the assessments (specifically from PDF assessments), they are shown in the "Missing Records" column. This indicates records that were missing scored questions and could not be included in the calculation of the average section score.

Analysis of Scored Questions in the Assessment by Section

The following analysis is grouped by the six main sections of the assessment. Each section has an average score shown on page 2. Under the section headings are the lists for each of the scored questions in that section along with a comparison between the previous 2013-14 assessment (if applicable) and the most recent national assessment.

If a question has been added since the original 2013-14 national assessment **you will see a blank in the "2013-14 Percent that Had Item,"** indicating that question was not available during the previous assessment.



The KPI (Key Performance Indicator) is shown in the legend on your right in colors and shapes. These symbols are not punitive, rather an indicator of performance to **help you quickly identify areas for quality improvement** based on the 2021 results. Collaborate with stakeholders in your state/territory to identify areas to work on first.

The importance of having each of these items can be found in the "Importance Statements" document: <https://www.pedsready.org/docs/NPRP%20Gap%20Report%20Importance%20Statements.pdf>





KPI Legend:

-  100% of EDs Have Item
-  80 to 99% Have Item
-  60 to 79% Have Item
-  30 to 59% Have Item
-  29% or Less Have Item






Guidelines for Administration and Coordination of the ED for the Care of Children (19 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Physician Coordinator		23/91 (Missing = 0)	25%	59%	-33% ▼
Nurse Coordinator		23/91 (Missing = 0)	25%	68%	-42% ▼








Physicians, Nurses, and Other Health Care Providers Who Staff the ED (10 points)

Physician Competency Evaluations		58/91 (Missing = 0)	64%	43%	21% ▲
Physician Maintenance of Board Certification		44/91 (Missing = 0)	48%		
Nurse Competency Evaluations		82/91 (Missing = 0)	90%	66%	24% ▲
Nurse Maintenance of Specialty Certification		16/91 (Missing = 0)	18%		





Guidelines QI/PI in the ED (7 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Patient care-review process (chart review)		28/91 (Missing = 0)	31%	46%	-15% ▼
Identification of quality indicators for children		21/91 (Missing = 0)	23%	26%	-3% ▼
Collection and analysis of pediatric emergency care data		27/91 (Missing = 0)	30%	44%	-14% ▼
Development of a plan for improvement in pediatric emergency care		20/91 (Missing = 0)	22%	39%	-17% ▼
Re-evaluation of performance using outcomes-based measures		25/91 (Missing = 0)	27%	35%	-8% ▼









Guidelines for Improving Pediatric Patient Safety in the ED (14 points)

Children seen in the ED weighed in kilograms (without conversion from pounds)		66/91 (Missing = 0)	73%	78%	-5% ▼
Children's weights recorded in the ED medical record in kilograms only		64/91 (Missing = 0)	70%		
Temperature, heart rate, and respiratory rate recorded		89/91 (Missing = 0)	98%	99%	-1% ▼
Blood pressure monitoring available based on severity of illness		91/91 (Missing = 0)	100%	99%	1% ▲
Pulse oximetry monitoring available based on severity of illness		90/90 (Missing = 1)	100%	100%	0% ▲
End tidal CO2 monitoring available based on severity of illness		85/91 (Missing = 0)	93%		
Process in place for notification (manual or automated) of physicians when abnormal vital signs are found		84/91 (Missing = 0)	92%	80%	12% ▲













Guidelines for Improving Pediatric Patient Safety in the ED (14 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Process in place for the use of pre-calculated drug dosing in all children		79/91 (Missing = 0)	87%	88%	-1% ▼
Process in place that allows for 24/7 access to interpreter services in the ED		91/91 (Missing = 0)	100%	95%	5% ▲
Level of consciousness (e.g. AVPU or GCS) assessed in all children		78/91 (Missing = 0)	86%		
Level of pain assessed in all children		88/91 (Missing = 0)	97%		














Guidelines for Policies, Procedures, and Protocols for the ED (17 points)

Triage policy that specifically addresses ill and injured children		48/91 (Missing = 0)	53%	71%	-19% ▼
Policy for pediatric patient assessment and reassessment		67/91 (Missing = 0)	74%	75%	-1% ▼
Policy for immunization assessment and management of the under-immunized child		33/91 (Missing = 0)	36%	58%	-21% ▼
Policy for child maltreatment		82/91 (Missing = 0)	90%	91%	-1% ▼
Policy for death of the child in the ED		77/91 (Missing = 0)	85%	84%	1% ▲
Policy for reduced-dose radiation for CT and x-ray imaging based on pediatric age or weight		67/91 (Missing = 0)	74%	50%	24% ▲
Policy for behavioral health issues for children of all ages		74/91 (Missing = 0)	81%		
Involving families and caregivers in patient care decision-making		46/91 (Missing = 0)	51%		
















Guidelines for Policies, Procedures, and Protocols for the ED (17 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Involving families and caregivers in medication safety processes		44/91 (Missing = 0)	48%		
Family and guardian presence during all aspects of emergency care, including resuscitation		43/91 (Missing = 0)	47%		
Education of the patient, family, and caregivers on treatment plan and disposition		46/91 (Missing = 0)	51%		
Bereavement counseling		30/91 (Missing = 0)	33%		
Disaster plan includes availability of medications, vaccines, equipment, supplies, and appropriately trained providers		25/91 (Missing = 0)	27%		
Disaster plan includes decontamination, isolation, and quarantine of families and children		27/91 (Missing = 0)	30%		
Disaster plan includes minimization of parent-child separation and methods for reuniting separated children with their families		28/91 (Missing = 0)	31%		
All disaster drills include pediatric patients		24/91 (Missing = 0)	26%		
Disaster plan includes pediatric surge capacity for both injured and non-injured children		21/91 (Missing = 0)	23%		
Disaster plan includes access to behavioral health resources for children		25/91 (Missing = 0)	27%		
Disaster plan includes care of children with special health care needs		22/91 (Missing = 0)	24%		
Written inter-facility transfer guidelines		56/91 (Missing = 0)	62%	68%	-6% ▼

Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
All staff trained on the location of all pediatric equipment and medications		90/91 (Missing = 0)	99%	98%	1% ▲
Daily method used to verify the proper location and function of pediatric equipment and supplies		73/91 (Missing = 0)	80%	86%	-6% ▼
Standardized chart or tool to estimate weight if resuscitation precludes the use of a weight scale (e.g., length-based tape)		91/91 (Missing = 0)	100%	99%	1% ▲
Neonatal blood pressure cuff		82/91 (Missing = 0)	90%	90%	0% ▲
Infant blood pressure cuff		91/91 (Missing = 0)	100%	99%	1% ▲
Child blood pressure cuff		91/91 (Missing = 0)	100%	100%	0% ▲
Defibrillator with pediatric and adult capabilities including pads and or paddles		90/91 (Missing = 0)	99%	100%	-1% ▼
Pulse oximeter with pediatric and adult probes		91/91 (Missing = 0)	100%	100%	0% ▲
Continuous end-tidal CO2 monitoring device		88/91 (Missing = 0)	97%	88%	9% ▲
22 gauge catheter-over-the-needle		91/91 (Missing = 0)	100%	100%	0% ▲
24 gauge catheter-over-the-needle		90/91 (Missing = 0)	99%	99%	0% ▲
Pediatric intra-osseous needles		90/91 (Missing = 0)	99%	98%	1% ▲
IV administration sets with calibrated chambers or an infusion pump		88/91 (Missing = 0)	97%	96%	0% ▲

Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Endotracheal tubes: cuffed or uncuffed 2.5 mm		83/91 (Missing = 0)	91%	96%	-5% ▼
Endotracheal tubes: cuffed or uncuffed 3.0 mm		88/91 (Missing = 0)	97%	98%	-1% ▼
Endotracheal tubes: cuffed or uncuffed 3.5 mm		90/91 (Missing = 0)	99%	99%	0% ▲
Endotracheal tubes: cuffed or uncuffed 4.0 mm		91/91 (Missing = 0)	100%	99%	1% ▲
Endotracheal tubes: cuffed or uncuffed 4.5 mm		90/91 (Missing = 0)	99%	99%	0% ▲
Endotracheal tubes: cuffed or uncuffed 5.0 mm		91/91 (Missing = 0)	100%	100%	0% ▲
Endotracheal tubes: cuffed or uncuffed 5.5 mm		91/91 (Missing = 0)	100%	100%	0% ▲
Endotracheal tubes: cuffed 6.0 mm		91/91 (Missing = 0)	100%	100%	0% ▲
Laryngoscope blades: straight, size 0		85/91 (Missing = 0)	93%	96%	-3% ▼
Laryngoscope blades: straight, size 1		90/91 (Missing = 0)	99%	99%	0% ▲
Laryngoscope blades: straight, size 2		89/91 (Missing = 0)	98%	99%	-1% ▼
Laryngoscope blades: curved, size 2		89/91 (Missing = 0)	98%	99%	-1% ▼
Pediatric-sized Magill forcep		80/91 (Missing = 0)	88%	79%	9% ▲
Nasopharyngeal airways: infant-size		82/91 (Missing = 0)	90%	81%	9% ▲
Nasopharyngeal airways: child-size		84/91 (Missing = 0)	92%	88%	5% ▲

Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 points)

	KPI	2021 Number of EDs that Have Item	2021 Percent that Have Item	2013-14 Percent that Had Item	Difference Between Assessments
Oropharyngeal airways: size 0 (50mm)	●	86/91 (Missing = 0)	95%	94%	1% ▲
Oropharyngeal airways: size 1 (60mm)	●	87/91 (Missing = 0)	96%	98%	-2% ▼
Oropharyngeal airways: size 2 (70mm)	●	89/91 (Missing = 0)	98%	98%	0% ▲
Oropharyngeal airways: size 3 (80mm)	●	90/91 (Missing = 0)	99%	98%	1% ▲
Stylets for pediatric/infant-sized endotracheal tube	●	87/91 (Missing = 0)	96%	99%	-3% ▼
Bag-mask device, self-inflating (infant/child)	●	89/91 (Missing = 0)	98%	98%	0% ▲
Masks (neonatal size) to fit bag-mask device	●	83/91 (Missing = 0)	91%	96%	-5% ▼
Masks (infant size) to fit bag-mask device	✓	91/91 (Missing = 0)	100%	98%	3% ▲
Masks (child size) to fit bag-mask device	✓	91/91 (Missing = 0)	100%	100%	0% ▲
Simple oxygen face masks: standard infant	✓	91/91 (Missing = 0)	100%	91%	9% ▲
Clear oxygen masks: standard child	✓	91/91 (Missing = 0)	100%	98%	3% ▲
Non-rebreather masks: infant-sized	●	82/91 (Missing = 0)	90%	86%	4% ▲
Non-rebreather masks: child-size	●	88/91 (Missing = 0)	97%	98%	-1% ▼
Nasal cannulas: infant	●	88/91 (Missing = 0)	97%	94%	3% ▲
Nasal cannulas: child	✓	91/91 (Missing = 0)	100%	98%	3% ▲
Suction catheters: at least one in range 6-8F	●	89/91 (Missing = 0)	98%	98%	0% ▲
Suction catheters: at least one in range 10-12F	✓	91/91 (Missing = 0)	100%	100%	0% ▲
Supplies/kit for pediatric patients with difficult airways	●	78/91 (Missing = 0)	86%	69%	17% ▲