

Oregon Region 1 Pediatric Readiness Quality Improvement Report

Region: Region 1

Number of Emergency Departments (EDs) Responding in Region: 15

Report Date: 2/8/2017 8:12:53 PM

Region 1
Average Score
Out of 100

74

Oregon
Average Score
Out of 100

68

About Pediatric Readiness:

The National Pediatric Readiness Project is a national multi-phase quality improvement initiative to ensure all U.S. emergency departments have the essential guidelines and resources in place to provide effective emergency care to children. The total number of points possible is 100. A score of 100 represents the essential components needed to establish a foundation for pediatric readiness, but is in no way inclusive of all the components recommended for pediatric readiness.







Pediatric Patient Volume and Scores for Region 1:

Pediatric Volume	Number EDs in Region	Minimum Score	Maximum Score	Average Score
High Volume (>10,000 patients)	3	*	*	*
Medium High Volume (5,000 to 9,999 patients)	3	*	*	*
Medium Volume (1,800 to 4,999 patients)	6	54	95	73
Low Volume (<1,800 patients)	3	*	*	*

* Indicates the number of EDs is less than 5 so scores cannot be displayed. This asterisk will be shown on the following pages when applicable.

Region 1

Pediatric Readiness Overall Section Scoring:



Section	QI Status	% of Region EDs Have	Avg. Region Score	Avg. Oregon Score	Section Point Value
Guidelines for Administration and Coordination (19 pts)		56.7%	10.8	8.5	19
Physicians, Nurses, and Other Health Care Providers Who Staff the ED (10 pts)		60.0%	6.0	5.0	10
Guidelines for QI/PI in the ED (7 pts)		38.1%	2.7	2.5	7
Guidelines for Improving Pediatric Patient Safety in the ED (14 pts)		92.0%	12.9	11.8	14
Guidelines for Policies, Procedures, and Protocols for the ED (17 pts)		65.9%	11.2	10.5	17
Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 pts)		92.7%	30.6	29.6	33

QI Status:



-  All EDs Have
-  80 to 90% Have
-  60 to 79% Have
-  30 to 59% Have
-  Less Than 29% Have

Region 1






Guidelines for Administration and Coordination of the ED for the Care of Children:

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Physician Coordinator		10	66.7%	45.5%	9.5
Nurse Coordinator		7	46.7%	43.6%	9.5






Physicians, Nurses, and Other Health Care Providers Who Staff the ED:

Physician Competency Evaluations		6	40.0%	32.7%	5.0
Nurse Competency Evaluations		12	80.0%	67.3%	5.0

Guidelines QI/PI in the ED:








Does your ED have a pediatric patient care-review process?		6	40.0%	38.2%	5.0
Identification of quality indicators for children		5	33.3%	27.3%	0.5
Collection and analysis of pediatric emergency care data		6	40.0%	36.4%	0.5
Development of a plan for improvement in pediatric emergency		5	33.3%	30.9%	0.5
Re-evaluation of performance using outcomes-based measures				23.6%	0.5

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Region 1

Pediatric Patient Safety in the ED:





Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Weigh and Record in Kg		11	73.3%	70.9%	3.5
Temperature, heart rate, and respiratory rate recorded		14	93.3%	96.4%	1.4
Blood pressure monitoring available based on severity of illness		15	100.0%	100.0%	1.4
Pulse oximetry monitoring available based on severity of illness		15	100.0%	100.0%	1.4
Written procedure in place for notification of physicians when abnormal vital signs		14	93.3%	74.5%	1.4
Process in place for the use of pre-calculated drug dosing		15	100.0%	80.0%	3.5
Process in place that allows for 24/7 access to interpreter services in the ED		15	100.0%	98.2%	1.4

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Region 1

Policies and Procedures:

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Triage policy that specifically addressess ill and injured children		10	66.7%	65.5%	2.12
Policy for pediatric patient assessment and reassessment		12	80.0%	74.5%	1.70
Policy for immunization assessment and management of the under-immunized child		10	66.7%	52.7%	1.70
Policy for child maltreatment		13	86.7%	85.5%	1.70
Policy for death of the child in the ED		9	60.0%	52.7%	1.70
Policy for reduced-dose radiation for CT and x-ray imaging based on pediatric age or weight		10	66.7%	63.6%	1.70
Policy for promoting family-centered care		10	66.7%	65.5%	2.12
Hospital disaster plan addresses issues specific to the care of children		7	46.7%	41.8%	2.12
Inter-facility transfer guidelines		9	60.0%	58.2%	2.12

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Region 1

Equipment and Supplies:

Availability, Location, Training

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Is the ED staff trained on the location of all pediatric equipment and medications?	✓	15	100.0%	98.2%	1.0
Is there a daily method used to verify the proper location and function of pediatric equipment and supplies?	●	14	93.3%	87.3%	1.0
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?	✓	15	100.0%	100.0%	1.0

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Region 1

Equipment and Supplies: Monitoring Equipment Items

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Neonatal blood pressure cuff	✓	15	100.0%	96.4%	0.55
Infant blood pressure cuff	✓	15	100.0%	100.0%	0.55
Child blood pressure cuff	✓	15	100.0%	100.0%	0.55
Defibrillator with pediatric and adult capabilities including pads/paddle	✓	15	100.0%	100.0%	0.55
Pulse oximeter with pediatric and adult probes	✓	15	100.0%	100.0%	0.55
Continuous end-tidal CO2 monitoring device	✓	15	100.0%	100.0%	0.55

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Region 1

Equipment and Supplies: Fluid Resuscitation Equipment Items

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
22 gauge catheter-over-the-needle	✓	15	100.0%	100.0%	0.55
24 gauge catheter-over-the-needle	✓	15	100.0%	100.0%	0.55
Pediatric intra-osseus needles	✓	15	100.0%	100.0%	0.55
IV administration sets with calibrated chambers and extension tubing and/or infusion devices with ability to regulate rate and volume of infusate	●	14	93.3%	96.4%	0.55
Umbilical vein catheters (3.5F or 5.0F)	◆	8	53.3%	61.8%	0.55
Central venous catheters (any two sizes in range, 4F-7F)	◆	7	46.7%	52.7%	0.55

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Region 1

Equipment and Supplies:

Respiratory/Airway Management Equipment Items

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Endotracheal tubes: cuffed or uncuffed 2.5 mm	●	14	93.3%	92.7%	0.557
Endotracheal tubes: cuffed or uncuffed 3.0 mm	✓	15	100.0%	98.2%	0.557
Endotracheal tubes: cuffed or uncuffed 3.5 mm	✓	15	100.0%	100.0%	0.557
Endotracheal tubes: cuffed or uncuffed 4.0 mm	✓	15	100.0%	100.0%	0.557
Endotracheal tubes: cuffed or uncuffed 4.5 mm	✓	15	100.0%	100.0%	0.557
Endotracheal tubes: cuffed or uncuffed 5.0 mm	✓	15	100.0%	100.0%	0.557
Endotracheal tubes: cuffed or uncuffed 5.5 mm	✓	15	100.0%	96.4%	0.557
Endotracheal tubes: cuffed or uncuffed 6.0 mm	✓	15	100.0%	100.0%	0.557
Laryngoscope blades: straight, size 00	●	12	80.0%	74.5%	0.557
Laryngoscope blades: straight, size 0	●	14	93.3%	92.7%	0.557
Laryngoscope blades: straight, size 1	●	14	93.3%	98.2%	0.557
Laryngoscope blades: straight, size 2	●	14	93.3%	96.4%	0.557
Laryngoscope blades: curved, size 2	●	14	93.3%	98.2%	0.557
Pediatric-sized Magill forcep	●	13	86.7%	85.5%	0.557

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Region 1

Equipment and Supplies:

Respiratory/Airway Management Equipment Items (Cont. 2)

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Nasopharyngeal airways: infant-size		13	86.7%	78.2%	0.557
Nasopharyngeal airways: child-size		14	93.3%	83.6%	0.557
Oropharyngeal airways: size 0 (50mm)		15	100.0%	96.4%	0.557
Oropharyngeal airways: size 1 (60mm)		13	86.7%	94.5%	0.557
Oropharyngeal airways: size 2 (70mm)		14	93.3%	96.4%	0.557
Oropharyngeal airways: size 3 (80mm)		13	86.7%	94.5%	0.557
Stylets for pediatric/infant-sized endotracheal tube		14	93.3%	96.4%	0.557
Tracheostomy tubes: size 3.0 mm		9	60.0%	54.5%	0.557
Tracheostomy tubes: size 3.5 mm		9	60.0%	56.4%	0.557
Tracheostomy tubes: size 4.0 mm		9	60.0%	58.2%	0.557
Bag-mask device, self inflating: infant, 450 ml		15	100.0%	96.4%	0.557
Masks to fit bag-mask device adaptor: neonate		15	100.0%	90.9%	0.557

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Region 1

Equipment and Supplies:

Respiratory/Airway Management Equipment Items (Cont. 3)

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Masks to fit bag-mask device adaptor: infant	●	14	93.3%	92.7%	0.557
Masks to fit bag-mask device adaptor: child	●	14	93.3%	92.7%	0.557
Clear oxygen masks: standard infant	✓	15	100.0%	90.9%	0.557
Clear oxygen masks: standard child	✓	15	100.0%	100.0%	0.557
Non-rebreather masks: infant-sized	●	13	86.7%	85.5%	0.557
Non-rebreather masks: child-size	●	14	93.3%	94.5%	0.557
Nasal cannulas: infant	●	14	93.3%	89.1%	0.557
Nasal cannulas: child	✓	15	100.0%	94.5%	0.557
Laryngeal mask airways: size 1	✓	15	100.0%	70.9%	0.557
Laryngeal mask airways: size: 1.5	✓	15	100.0%	65.5%	0.557
Laryngeal mask airways: size: 2	✓	15	100.0%	74.5%	0.557
Laryngeal mask airways: size: 2.5	✓	15	100.0%	70.9%	0.557
Laryngeal mask airways: size: 3	✓	15	100.0%	81.8%	0.557

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Region 1

Equipment and Supplies:

Respiratory/Airway Management Equipment Items (Cont. 4)

Question	QI Status	Number EDs Have	% of Region EDs Have	% of State EDs Have	Question Point Value
Suction catheters: at least one in range 6-8F	✓	15	100.0%	98.2%	0.557
Suction catheters: at least one in range 10-12F	✓	15	100.0%	100.0%	0.557
Supplies/kit for pediatric patients with difficult airways (supraglottic airways of all sizes, needle cricothyrotomy supplies, surgical cricothyrotomy kit)	▲	11	73.3%	83.6%	0.557

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