

Oregon Region 7 Pediatric Readiness Quality Improvement Report

Region: Region 7

Number of Emergency Departments (EDs) Responding in Region: 7

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

Region 7
Average Score
Out of 100

60

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 7:

| Pediatric Volume | Number EDs in Region | Minimum Score | Maximum Score | Average Score |
|---|----------------------|---------------|---------------|---------------|
| Medium Volume (1,800 to 4,999 patients) | 4 | * | * | * |
| 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 7

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) |  | | | 8.5 | 19 |
| Physicians, Nurses, and Other Health Care Providers Who Staff the ED (10 pts) |  | | | 5.0 | 10 |
| Guidelines for QI/PI in the ED (7 pts) |  | | | 2.5 | 7 |
| Guidelines for Improving Pediatric Patient Safety in the ED (14 pts) |  | 82.1% | 11.5 | 11.8 | 14 |
| Guidelines for Policies, Procedures, and Protocols for the ED (17 pts) |  | 27.5% | 4.7 | 10.5 | 17 |
| Guidelines for Equipment, Supplies, and Medications for the Care of Pediatric Patients in the ED (33 pts) |  | 90.0% | 29.7 | 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 7

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 | * | | | 45.5% | 9.5 |
| Nurse Coordinator | * | | | 43.6% | 9.5 |






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

| | | | | | |
|----------------------------------|---|--|--|-------|-----|
| Physician Competency Evaluations | * | | | 32.7% | 5.0 |
| Nurse Competency Evaluations | * | | | 67.3% | 5.0 |








Guidelines QI/PI in the ED:

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





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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 |  | 5 | 71.4% | 70.9% | 3.5 |
| Temperature, heart rate, and respiratory rate recorded |  | 7 | 100.0% | 96.4% | 1.4 |
| Blood pressure monitoring available based on severity of illness |  | 7 | 100.0% | 100.0% | 1.4 |
| Pulse oximetry monitoring available based on severity of illness |  | 7 | 100.0% | 100.0% | 1.4 |
| Written procedure in place for notification of physicians when abnormal vital signs |  | | | 74.5% | 1.4 |
| Process in place for the use of pre-calculated drug dosing |  | 6 | 85.7% | 80.0% | 3.5 |
| Process in place that allows for 24/7 access to interpreter services in the ED |  | 7 | 100.0% | 98.2% | 1.4 |

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Region 7

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 | * | | | 65.5% | 2.12 |
| Policy for pediatric patient assessment and reassessment | * | | | 74.5% | 1.70 |
| Policy for immunization assessment and management of the under-immunized child | * | | | 52.7% | 1.70 |
| Policy for child maltreatment | * | | | 85.5% | 1.70 |
| Policy for death of the child in the ED | * | | | 52.7% | 1.70 |
| Policy for reduced-dose radiation for CT and x-ray imaging based on pediatric age or weight | * | | | 63.6% | 1.70 |
| Policy for promoting family-centered care | * | | | 65.5% | 2.12 |
| Hospital disaster plan addresses issues specific to the care of children | * | | | 41.8% | 2.12 |
| Inter-facility transfer guidelines | * | | | 58.2% | 2.12 |




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Region 7

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? |  | 6 | 85.7% | 98.2% | 1.0 |
| Is there a daily method used to verify the proper location and function of pediatric equipment and supplies? |  | 6 | 85.7% | 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? |  | 7 | 100.0% | 100.0% | 1.0 |

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Region 7

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 |  | 6 | 85.7% | 96.4% | 0.55 |
| Infant blood pressure cuff |  | 7 | 100.0% | 100.0% | 0.55 |
| Child blood pressure cuff |  | 7 | 100.0% | 100.0% | 0.55 |
| Defibrillator with pediatric and adult capabilities including pads/paddle |  | 7 | 100.0% | 100.0% | 0.55 |
| Pulse oximeter with pediatric and adult probes |  | 7 | 100.0% | 100.0% | 0.55 |
| Continuous end-tidal CO2 monitoring device |  | 7 | 100.0% | 100.0% | 0.55 |

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Region 7

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 | ✓ | 7 | 100.0% | 100.0% | 0.55 |
| 24 gauge catheter-over-the-needle | ✓ | 7 | 100.0% | 100.0% | 0.55 |
| Pediatric intra-osseus needles | ✓ | 7 | 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 | ● | 6 | 85.7% | 96.4% | 0.55 |
| Umbilical vein catheters (3.5F or 5.0F) | ✱ | | | 61.8% | 0.55 |
| Central venous catheters (any two sizes in range, 4F-7F) | ✱ | | | 52.7% | 0.55 |

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Region 7

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 | ✓ | 7 | 100.0% | 92.7% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 3.0 mm | ✓ | 7 | 100.0% | 98.2% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 3.5 mm | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 4.0 mm | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 4.5 mm | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 5.0 mm | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 5.5 mm | ✓ | 7 | 100.0% | 96.4% | 0.557 |
| Endotracheal tubes: cuffed or uncuffed 6.0 mm | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Laryngoscope blades: straight, size 00 | ▲ | 5 | 71.4% | 74.5% | 0.557 |
| Laryngoscope blades: straight, size 0 | ● | 6 | 85.7% | 92.7% | 0.557 |
| Laryngoscope blades: straight, size 1 | ✓ | 7 | 100.0% | 98.2% | 0.557 |
| Laryngoscope blades: straight, size 2 | ● | 6 | 85.7% | 96.4% | 0.557 |
| Laryngoscope blades: curved, size 2 | ✓ | 7 | 100.0% | 98.2% | 0.557 |
| Pediatric-sized Magill forcep | ● | 6 | 85.7% | 85.5% | 0.557 |

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Region 7

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 | ✱ | | | 78.2% | 0.557 |
| Nasopharyngeal airways: child-size | ✱ | | | 83.6% | 0.557 |
| Oropharyngeal airways: size 0 (50mm) | ✓ | 7 | 100.0% | 96.4% | 0.557 |
| Oropharyngeal airways: size 1 (60mm) | ✓ | 7 | 100.0% | 94.5% | 0.557 |
| Oropharyngeal airways: size 2 (70mm) | ✓ | 7 | 100.0% | 96.4% | 0.557 |
| Oropharyngeal airways: size 3 (80mm) | ✓ | 7 | 100.0% | 94.5% | 0.557 |
| Stylets for pediatric/infant-sized endotracheal tube | ✓ | 7 | 100.0% | 96.4% | 0.557 |
| Tracheostomy tubes: size 3.0 mm | ✱ | | | 54.5% | 0.557 |
| Tracheostomy tubes: size 3.5 mm | ▲ | 5 | 71.4% | 56.4% | 0.557 |
| Tracheostomy tubes: size 4.0 mm | ✱ | | | 58.2% | 0.557 |
| Bag-mask device, self inflating: infant, 450 ml | ● | 6 | 85.7% | 96.4% | 0.557 |
| Masks to fit bag-mask device adaptor: neonate | ● | 6 | 85.7% | 90.9% | 0.557 |

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Region 7

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 | ● | 6 | 85.7% | 92.7% | 0.557 |
| Masks to fit bag-mask device adaptor: child | ● | 6 | 85.7% | 92.7% | 0.557 |
| Clear oxygen masks: standard infant | ✓ | 7 | 100.0% | 90.9% | 0.557 |
| Clear oxygen masks: standard child | ✓ | 7 | 100.0% | 100.0% | 0.557 |
| Non-rebreather masks: infant-sized | ✓ | 7 | 100.0% | 85.5% | 0.557 |
| Non-rebreather masks: child-size | ✓ | 7 | 100.0% | 94.5% | 0.557 |
| Nasal cannulas: infant | ✓ | 7 | 100.0% | 89.1% | 0.557 |
| Nasal cannulas: child | ✓ | 7 | 100.0% | 94.5% | 0.557 |
| Laryngeal mask airways: size 1 | ● | 6 | 85.7% | 70.9% | 0.557 |
| Laryngeal mask airways: size: 1.5 | ● | 6 | 85.7% | 65.5% | 0.557 |
| Laryngeal mask airways: size: 2 | ● | 6 | 85.7% | 74.5% | 0.557 |
| Laryngeal mask airways: size: 2.5 | ● | 6 | 85.7% | 70.9% | 0.557 |
| Laryngeal mask airways: size: 3 | ● | 6 | 85.7% | 81.8% | 0.557 |

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Region 7

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 | ✓ | 7 | 100.0% | 98.2% | 0.557 |
| Suction catheters: at least one in range 10-12F | ✓ | 7 | 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) | ● | 6 | 85.7% | 83.6% | 0.557 |

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- ✗ Less Than 29% Have