



PEDIATRIC READINESS PROGRAM

SERVING OREGON & SW WASHINGTON



# Emergency Department Pediatric Readiness

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# What is Pediatric Readiness?

Infrastructure, administration and coordination of care, personnel, pediatric-specific policies, equipment, and other resources that ensure the center is prepared to provide care to an injured child.<sup>1</sup>



# Why is Pediatric Readiness important?

More than **80%** of children are seen in non-children's hospitals and **70%** of EDs see less than **10** children per day<sup>2,3</sup>



High pediatric readiness in EDs, greater than **87** points, is associated with:<sup>4,5</sup>

**76%** lower mortality rate in ill children

**60%** lower mortality rate in injured children

At least **1,400** lives saved across the US each year

# Most common principal diagnoses for hospital stays among children

Ages 0-9

- **Respiratory conditions:** Acute bronchitis was the most common reason for inpatient stays among children under 5 years of age, excluding liveborn. Respiratory failure also was among the five most common diagnoses for children under 5 years of age. Pneumonia and asthma were among the top three diagnoses for children aged 1–9 years.<sup>6</sup>

Ages 10-17

- **Mental disorders:** The most common reason for inpatient stays among children aged 10 years and older was depressive disorders. Trauma- and stressor-related disorders, suicidal ideation/attempt/intentional self-harm, and other specified and unspecified mood disorders also were among the 10 most common diagnoses for children aged 10 years and older.<sup>6</sup>



# Why is Pediatric Readiness important?



By raising pediatric readiness in all hospitals, we will save more lives than transporting children to pediatric centers:

- Matching children to trauma centers with high-readiness EDs within 30 minutes of the injury location may have potentially saved **468 lives**
- High ED peds readiness for all trauma centers may have potentially saved **1655 lives<sup>7</sup>**

# What Drives Pediatric Readiness?



Pediatric Champions  
(Pediatric Emergency  
Care Coordinators)



Measurement



Quality Improvement



**Future:**  
Peds Ready ED  
Voluntary Recognition

# Pediatric Champions



- Drive improvement across pediatric readiness domains
- Nurse and physician Pediatric Champions
- Share education opportunities and just-in-time information
- Familiarizing colleagues with pediatric-specific policies and protocols, promoting pediatric QI efforts, and managing pediatric equipment and supplies



# Measuring Pediatric Readiness



- High pediatric readiness is a score greater than **87**
- Assessments:
  - **EMS:** Prehospital Pediatric Readiness Project (PPRP)<sup>8</sup>  
<https://emspedsready.org/>
  - **Hospital ED:** National Pediatric Readiness Project (NPRP)<sup>9</sup>  
<https://www.pedsready.org/>



# Measuring Pediatric Readiness



- 2021: **50/59** Oregon hospitals completed NPRP assessment
- Average score was **71**, median score was **68**
- NPRP is open; may be completed as often as needed
- Topics include: infrastructure, services, personnel, QI, patient safety, policies/procedures, equipment/supplies

# Measuring Pediatric Readiness



- NPRP assessment gap report
  - Overall pediatric readiness score
  - Answers to scored questions
  - Summary of all answers
- Confidential: hospital records and purposes only
- Use report to create plan to improve pediatric readiness

**NOTE:** The gap report PDF is accepted for Trauma Center verification requirements. It will not show comparison scores to previous assessments.



# Pediatric Quality Improvement



- NPRP Gap Report
- Pediatric QI examples:
  - chart or case review
  - nurse/physician/staff competencies
  - availability of and practice using equipment and supplies
  - national, state, or systemwide quality collaboratives

# Peds Ready ED Voluntary Recognition



- HB 4081, EMS Modernization
- To be developed and administered by Oregon EMS for Children
- Hospital EDs seeking to improve pediatric emergency care and maintain pediatric readiness may choose to participate



# Pediatric Readiness Resources

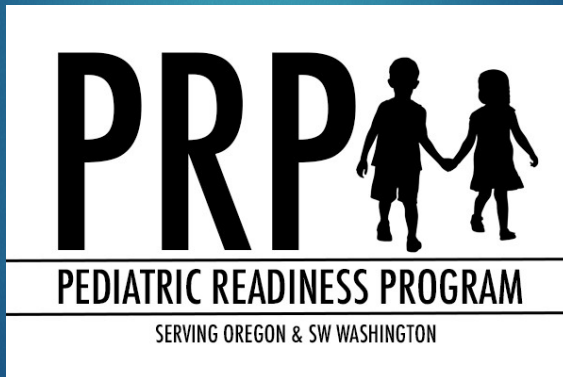
# Oregon EMS for Children



- Oregon EMSC Program<sup>10</sup>,  
[www.oregonemsc.org](http://www.oregonemsc.org)
  - [ED Checklist](#)<sup>11</sup>
  - [ED Toolkit](#)<sup>12</sup>
  - [Pediatric Readiness Tools & Policies](#)<sup>13</sup>
- Pediatric Education and Advocacy Kits
- EMSC Advisory Committee meetings & membership



# Pediatric Readiness Program



- Pediatric Readiness Program<sup>16</sup>,  
[www.pedsreadyprogram.org](http://www.pedsreadyprogram.org)
  - Education
  - Shared Resources
  - Quality Improvement Tools

# Health Emergency Ready Oregon (HERO) Kids Registry



- HERO Kids Registry<sup>17</sup>,  
[www.herokidsregistry.org](http://www.herokidsregistry.org)
- Any Oregon family can share critical information about their child's or young adult's health before a health emergency occurs
- Available to any Oregon child or young adult up through age 26
- EMS and ED providers can quickly and easily access the information







## Health Emergency Ready Oregon (HERO) Kids Registry

IN AN EMERGENCY, EVERY MOMENT COUNTS

## DEMOGRAPHICS

Last Name:		First Name:		Middle:	Suffix:	Preferred Name:
Address (street / city / state / ZIP):				Date of Birth:		Race:
Preferred Language:		Gender Identity:		Sex:	Preferred Pronouns:	
Emergency Contact Name:		Emergency Contact Phone:		Emergency Contact Relationship:		

## CLINICAL ALERTS

Primary Diagnosis / Condition(s):	EMS/ED: ADD'L INFO CALL HOTLINE
Conditions that May Impact Care:	

Child or young adult is most likely to need Emergency Medical Services for:

Baseline Vitals Out of Normal Range: BP: HR: O2: RR:

Medication:

Medication Allergy:

Environmental or Food Allergy:

Drug Use: ☐ Alcohol: ☐ If Yes to Use: Type?

EMS May Observe the Following:

Medical Equipment or Technology:

Mobility Devices:

Primary/Specialty Care: Phone:

Name of Person to Accompany: Relationship:

Position of Comfort If Transported:

Preferred Hospital:

Emergency Information Form: ☐ Protocol Letter:

➤ HERO Kids: registration form, backpack tag, sticker, EDIE alert

➤ Access info in less than 90 seconds:

- Confidential provider hotline
- Oregon Registries for EMS (OREMS) app
- ED Information Exchange (EDIE)

## Flags

- HERO Kids Registry - Patient has critical clinical information about health history and diagnosis that can be accessed on the HERO kids Registry. To access information call 1-xxx-xxx-xxxx or [view in Collective Medical Portal](#) | Attributed By: HERO Kids Registry | Attributed On: 10/03/2021

# HERO Kids Registry



- Family preparedness
- One-minute videos<sup>18</sup>,  
<https://www.ohsu.edu/occyshn/one-minute-videos-impact-stories>
- HERO Kids Champion:
  - Website and social media accounts
  - Dot Phrase
  - Rack cards and posters
  - MyChart and After Visit Summary



# References

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8. [Prehospital Pediatric Readiness Project \(PPRP\)](#)
9. [National Pediatric Readiness Project \(NPRP\)](#)
10. [Oregon EMS for Children Program](#)
11. [ED Pediatric Readiness Checklist](#)
12. [ED Pediatric Readiness Toolkit](#)
13. [Pediatric Readiness Tools & Policies](#)
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15. [HERO Kids Registry](#)
16. [HERO Kids Videos](#)



# Questions



# Thank you!

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