

# **IHS Grand Rounds – Pediatric Readiness July 2015**

**CAPT Celissa Stephens  
Director, Division of Nursing  
Office of Clinical and Preventive Services**

# Purpose

- National Pediatric Readiness Assessment – 100% participation by IHS and Tribal Emergency Departments
- Establish a baseline of nation's capacity to provide pediatric emergency care in the ED
- Create a foundation for QI process
  - Includes implementation of Joint Policy Statement
- Develop benchmarks to measure improvement over time

# Feedback

- Respondents received immediate feedback:
  - Readiness Score
    - based on 6 areas of Joint Policy Statement
    - Weighted scores on scale of 0-100
    - Compared with similar pediatric volumes and all facilities
  - Gap analysis report
    - Individualized summary of strengths and weakness
    - Directed respondent to targeted components in the Pediatric Readiness Toolkit
    - Suggested starting point; not all inclusive

# IHS/Tribal Summary

Number of Hospitals Sent Assessment : **45** Number of Hospitals that Responded: **45**

Response Rate: **100%**

**61**

IHS/TRIBAL AVERAGE  
HOSPITAL SCORE OUT  
OF 100

**60**

IHS/TRIBAL MEDIAN  
SCORE OUT OF 100

**69**

n=4,146  
NATIONAL MEDIAN SCORE

# Demographics of EDs

## IHS/Tribal Facilities by GeoCoding

	<b>Yes (N)</b>	<b>% Yes</b>	<b>Avg. Score</b>	<b>Median Score</b>	<b>Min. Score</b>	<b>Max. Score</b>
Urban	12	27.3%	64.1	66.0	36	83
Suburban	5	11.4%	60.6	58.1	36	87
Rural	13	29.5%	57.9	53.4	45	79
Remote	14	31.8%	60.4	58.6	40	86
<b>Grand Total</b>	<b>44</b>	<b>100.0%</b>	<b>60.7</b>	<b>60.1</b>	<b>36</b>	<b>87</b>

# Breakdown of Scores by Hospital Pediatric Volume Type

## BREAKDOWN OF *IHS/TRIBAL* SCORES FOR EACH VOLUME TYPE:

Annual Pediatric Volume	# of Hospitals	Avg. Score	Median Score	Min. Score	Max. Score
Low (<1800 patients)	11	58.2	58.1	36	86
Medium (1800-4999 patients)	21	60.5	60.3	40	87
Medium High (5000-9999 patients)	8	62.9	62.5	36	83
High (>=10000 patients)	4				
<b>Grand Total</b>	<b>44</b>	<b>60.7</b>	<b>60.1</b>	<b>36</b>	<b>87</b>

*NOTE: Blank indicates fewer than 5 hospitals; score can't be shown.*

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

## Scored Items

	Yes (N)	% Yes	% National Yes	Difference
Nurse Coordinator	19	43.2%	59.3%	-16.1%
Physician Coordinator	10	22.7%	47.4%	-24.7%

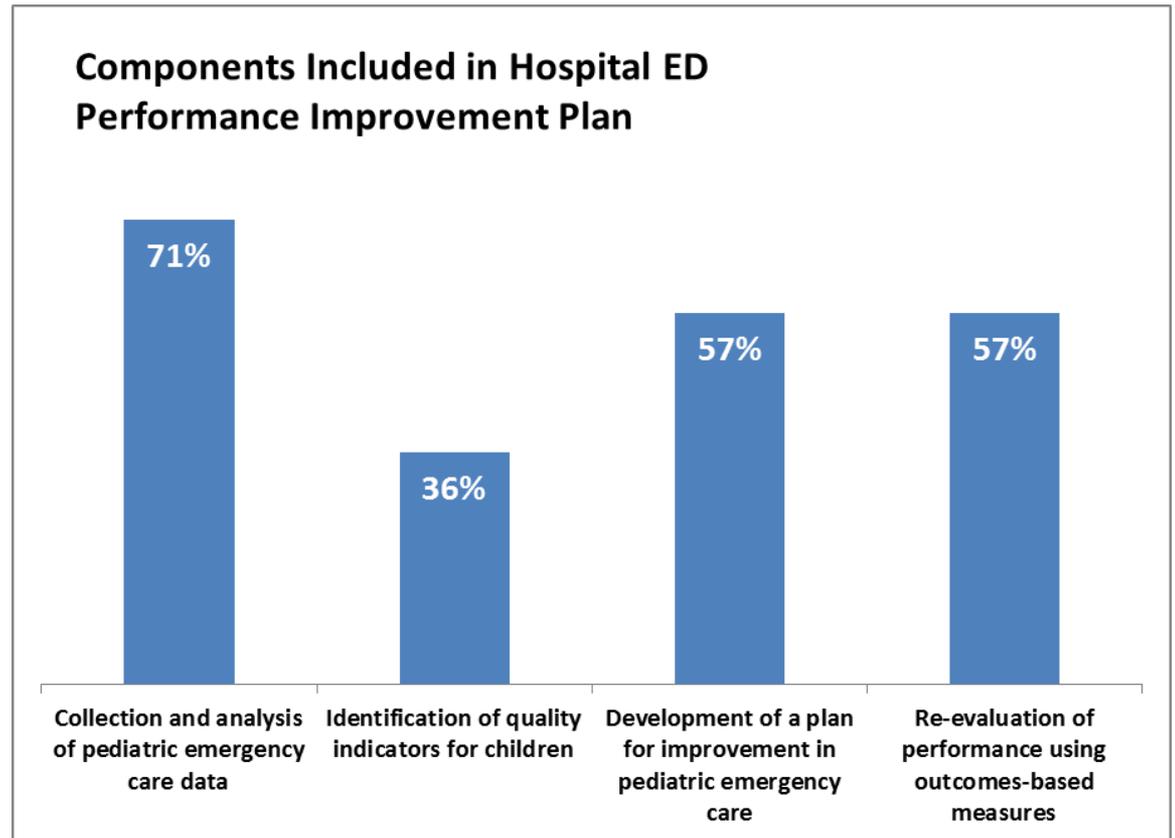
# Physicians, Nurses, and Other Health Care Providers Who Staff the ED

## Scored Items

	Yes (N)	% Yes	% National Yes	Difference
Nurse Competency Evaluations	29	65.9%	66.6%	-0.7%
Physician Competency Evaluations	12	27.3%	38.6%	-11.3%

# Pediatric QI Process in ED

Percentage of hospitals that responded that have a Pediatric Care Review Process= **31.8%**



# Guidelines for Improving Pediatric Patient Safety in the ED

## Scored Items

	Yes (N)	% Yes	% National Yes	Difference
Weigh in Kilograms	28	63.6%	67.7%	-4.0%
If Weigh in Kilograms, also Record in Kilograms	19	67.9%	75.3%	-7.4%
Temperature, heart rate, and respiratory rate recorded	44	100.0%	98.6%	1.4%
Blood pressure monitoring available based on severity of illness	43	97.7%	98.1%	-0.4%

# Guidelines for Improving Pediatric Patient Safety in the ED continued

Pulse oximetry monitoring available based on severity of illness	44	100.0%	99.7%	0.3%
Written procedure in place for notification of physicians when abnormal vital signs	25	56.8%	70.1%	-13.3%
Process in place for the use of pre-calculated drug dosing	29	65.9%	78.9%	-13.0%
Process in place that allows for 24/7 access to interpreter services in the ED	27	61.4%	95.4%	-34.1%

# Guidelines for Policies, Procedures, and Protocols for the ED

## Scored Items

	Yes (N)	% Yes	% National Yes	Difference
Triage policy that specifically addresses ill and injured children	22	50.0%	57.6%	-7.6%
Policy for pediatric patient assessment and reassessment	29	65.9%	73.4%	-7.5%
Policy for immunization assessment and management of the under-immunized child	22	50.0%	51.7%	-1.7%
Policy for child maltreatment	42	95.5%	89.6%	5.9%
Policy for death of the child in the ED	19	43.2%	58.0%	-14.8%

# Guidelines for Policies, Procedures, and Protocols for the ED

Policy for reduced-dose radiation for CT and x-ray imaging based on pediatric age or weight	12	27.3%	52.6%	-25.3%
Policy for promoting family-centered care	24	54.5%	59.6%	-5.1%
Hospital disaster plan addresses issues specific to the care of children	12	27.3%	46.8%	-19.5%
Inter-facility transfer guidelines	29	65.9%	70.5%	-4.6%

# Guidelines for Equipment, Supplies, and Medication for the Care of Pediatric Patients

## Scored Items

	Yes (N)	% Yes	% National Yes	Difference
Is the ED staff trained on the location of all pediatric equipment and medications?	44	100.0%	99.5%	0.5%
Is there a daily method used to verify the proper location and function of pediatric equipment and supplies?	36	81.8%	83.1%	-1.3%
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?	44	100.0%	99.5%	0.5%

# Next Steps

- IHS and Tribal EDs are at about the same level of pediatric readiness as EDs nationally
- To improve pediatric readiness
  - IHS continues to work with HRSA's EMSC program
  - Two pilot projects
    - IHS is working with the State of Arizona by purchasing membership in the AZ Pediatric Prepared Emergency Care program for the 14 IHS EDs located in Arizona and New Mexico
    - IHS is working through the Tele-behavioral health center in Albuquerque to develop a virtual pediatric ED via telemedicine to provide access to pediatric emergency medicine specialist