EMS for Children: Improving the lives of all Children

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Indian Health Pediatric Readiness

Pediatric Readiness in Indian Health Service and Tribal Emergency Departments: Results from the National Pediatric Readiness Project

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EMS for Children

- State Partnership Managers (58)

- National Resource Center
  - www.emscnrc.org

- EMSC Data Center (NEDARC)
  - www.nedarc.org

- Pediatricreadiness.org
- Pedsready.org
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Building a Virtual Pediatric Emergency Department
The Pilot in Zuni

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  - MCH HRSA

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Child Ready Resources

www.Child-Ready.org
Prepare for the *ordinary* to be prepared for the *extraordinary*

**GETTING READY**

Helping prepare the community for the ill or injured child from scene to system
Community Participation in Regionalization

- Key Players
  - Families
  - Community Leaders
  - Community Health Representatives
  - School Nurses
  - Emergency Managers
  - Hospitals/EMS/Clinics
- Stakeholder’s Group Format
  - Informal: gather opinions, beliefs, and attitudes about CR issues through open discussion; builds momentum; Opportunity for education.
- Identify Participants
- Scheduling
Community Meeting
Spoke and Hub Model

- Community
- Community
- Community
- Tertiary Center
- Community
Child Ready Model

- Community
- Tertiary Center
- Community
- Community
- Community
Zuni Region
Zuni Demographics

TOTAL ENROLLMENT

9,432

*Other Indians + 152 = 9,584

Source: U.S. Census Bureau Labor Force Report, 2009

**Zuni Indians not enrolled yet + 676 = 10,260

**Number served from the Monthly Santa Fe Birth Listings

Non-Indians + 328 = 10,580

(Total from 2010 U.S. Census Bureau)

White 72
Hispanic/Latino 164
African American 6
Asian 16
Native American/Pacific Islander 1
Other 81

Grand Total: Zuni Population = 10,580

Zuni Reservation: 463,278.18 acres
Includes all bush land 723.87 square miles
on Arizona and New Mexico Lands

Source: Zuni Census Office-June 2016

2014 POPULATION

9,504

MEDIAN HOUSEHOLD INCOME

$34,479

SEX BY AGE

Female Male

0 to 9 461 411
10 to 19 491 311
20 to 29 671 431
30 to 39 796 591
40 to 49 630 411
50 to 59 742 521
60 to 69 361 131
70+ 421 131
Zuni IHS Facility

The Zuni Indian Hospital is an Emergency Room/Urgent Care and Inpatient Services open 24 hours, 7 days per week, with 12 physicians.

- 28 medical/surgical and pediatric beds and 8 obstetrical beds
- Full outpatient diagnostic and treatment, includes 2 ER beds
- Dental, optometry, pharmacy, laboratory services, and radiology are some of the other services provided, along with specialty and preventative care services
- Annual SU user population: FY 2015 - 11,261, with additional locations user pop at 3,925
- March 2015-2016, 2650 of 0-20 y.o. were seen as ER/urgent, resulting in 5000 visits
- Average 15-20 flights/year, with about a third being 0-20 y.o.
Process for Zuni

• IHS hosted 3 meetings of facility personnel, community members and tribal council members
• Initiated paperwork
• Delivered unit (Polycom and Vidyo format) with simulation training
• Medical leadership change
• Exchanged unit with all-in-one unit NetMEDX
• Trained again
• Started consults
Some of the many contributions of Zuni

- PSA (from Zuni to ABQ Area)
- Telehealth Privileges template
- Encouraged Credentialing by proxy with ABQ Area
- Designated a local physician Coordinator (Dr. Kurkland)
Zuni- Community Response

• Three consults so far
• All remained in community
• Patient miles saved = 900 miles so far

• “Thank you for choosing us as the site to implement. We hope to keep on adding other specialty areas to meet the needs of our community patients.” Jean Othole, ZSU CEO
• “It’s so much fun to make these opportunities happen in Zuni.” Thomas Faber, MD, ZSU CMO
What is a Virtual Pediatric ED?

• **TELEMEDICINE**
• Creating a culture of “on-shift” together
• Consultation and co-managing *in situ* of acute ill or injured children with rural, general EDs (for low to high acuity)
• Access to Pediatric Emergency specialists
• Access to Child abuse and behavioral health experts
What is a Virtual Pediatric ED?

- **TELEHEALTH**
- Access to Pediatric Emergency Nurses for nurse-to-nurse consult
- Educational opportunities: challenging case discussion, QA/QI, ED clinical rounds, mock codes with simulation
Education

• Informal
  • Pt based questions
  • In the moment
  • Follow up
  • Case discussion

• Formal
  • Structured
  • Specialized areas
  • Recognition
  • Skills
Child Ready Resources
Partnering with IHS
Pilots in AZ, OK, WY, CO