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Medical Emergency Preparedness - Pediatrics

An Alaska Healthcare Facilities Partnership
grant project

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Disaster!



Earthquake: Iran



Flood: Bangladesh



Hurricane: New Orleans



Pandemic: Anywhere



Major Accident: USA



Wildfire: Alaska

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Pediatric Concerns in a Disaster

- Pediatrics often overlooked in planning
- Vulnerable population
- Missing families or caregivers
- Close quarters
- Poor hygiene
- Poor nutrition



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MEP-P Project Context

- After Action Report from 2007 RSV response generated grant application
- 2008 Healthcare Facility Partnership Grant: 1 of 11 awarded nationally
- Focus on improving medical surge capacity in Anchorage health system
- Rural Alaska impacts Anchorage
- Outside assistance delayed and unlikely

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Grant Specifics

- One year grant ended 8 August 2008
- Approximately \$600,000 for partners
- Goal: To increase Anchorage pediatric medical surge by 100% with normal standard of care and 200% with altered standards of care
- Funds used for training, exercises, equipment/supplies

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MEP-P Members

- Steering Committee: members of All Alaska Pediatric Partnership
- Includes 4 Anchorage hospitals, Mat Su, Fairbanks, Central Peninsula, North Star
- Muni HHS & Office of Emergency Management, State DHSS, Red Cross, Anchorage School District, Anchorage Neighborhood Health Ctr, Alaska Primary Care Assoc, Alaska Nurse Alert System
- Collaboration is a bonus benefit!

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MEP-P Basics

- “All-hazards” broad spectrum approach

Bus Crash

Local epidemic

Flood,
Wildfire

Pandemic Flu,
Major Earthquake

- 3 main workgroups
 - Curriculum
 - Equipment
 - Exercise
- 2 other focus areas
 - Ethics
 - Community

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MEP-P Curriculum

- Curriculum Objectives - Evolved over time
 - Provide pediatric JIT (Just in Time) training to non peds providers
 - Easy access, No cost, CEU's
 - Explore and utilize existing available courses training spectrum



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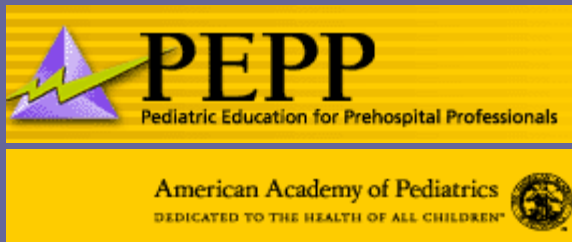
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MEP-P Curriculum

Explore and utilize existing available courses

- PEPP (**P**ediatric **E**ducation for **P**re-Hospital **P**rofessionals)
- PEARS (**P**ediatric **E**mergency **A**ssessment, **R**ecognition, and **S**tabilization)
- PALS (**P**ediatric **A**dvanced **L**ife **S**upport)
- BDLS / ADLS (**B**asic **D**isaster **L**ife **S**upport)

American Heart
Association



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MEP-P Curriculum

Explore and utilize existing available courses
PEPP (**P**ediatric **E**ducation for **P**re-Hospital
Professionals)

- Held 16 hour course – target audience
- Provided travel to Anchorage
- Follow up with instructor course
- Discussion of procurement
course supplies / equipment

www.PEPPsite.com



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MEP-P Curriculum

Enhance and promote training spectrum

- Hospitals training non pediatric providers
- Enhance network outlying community with care facilities
- Utilization of Alaska Nurse Alert System

~Provide free, simple, easy access training with CEU's

Ongoing discussions...

- Home care guidelines for peds
- Take training "on the road"

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MEP-P Equipment



- Approximately \$240,000 to augment specialized pediatric equipment and supplies for hospitals and community
 - Increasing Anchorage hospital stock of ventilators and other respiratory equipment
 - Adding diapers and formula to existing community stockpiles
- Developed “Go Kits” to respond to rural emergencies

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MEP-P Community

- Coordinating with Muni Emergency Operations Center
- Encouraging shelter-in-place for families and children to mitigate surge at hospitals
- Addressing concerns of tech dependent & special needs children
- Discharge planning recommendations
- Improve existing stockpiles with infant and pediatric supplies

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MEP-P Exercise

- 2 Exercises conducted:
 - June 26th Hillside Wildfire
 - Evaluate pediatric medical surge in Anchorage
 - Evaluate and test training needs
 - Evaluate use of pediatric equipment and supplies
 - July 11-17th RSV Full Scale
 - Evaluate communication flow
 - Identify triggers for activation
 - Dispatch medical team and “Go Kits”
 - “Final Exam”

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MEP-P Ethics



- Looked at ventilators and allocation of other scarce resources for children
- Started with published protocols from other states
- Make discussion as transparent as possible
- Process will continue beyond this project

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Progress 2008

- Early notification of increased disease activity
- DPH Epi investigation chart review of children transferred from Bethel
- AK Regional: developing altered standards of care for pediatric pts (change ratio of nurse: pt), checklists, policies & protocols
- AK Regional Hospital: 4 beds for non-vented pediatric pts
- Elmendorf: held transfer of 2 RSV-dx children

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MEP-P Products

- Training modules
- Equipment and Go Kit
- Technical Medical Support Team for rural Alaska
- Exercise reports
- State DPH Emergency Operations Plan Annex for children
- Public and professional resource website

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Questions for you

- How will you take care of your family so you can be available to help?
- What would you and your practice do in a disaster?
- What do you expect from federal, state and local governments?
- What will the community want from you and your practice?



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Contact Information

MEP-P Resources site: a2p2.com/resources.php

Sally Abbott, ANP – DHSS Coordinator,
Healthcare Preparedness

sally.abbott@alaska.gov

Jayson Smart – MOA DHHS Deputy Director

smartjs@muni.org

LeMay Hupp, RN: Curriculum Workgroup

hupp@gci.net