

EMSC National Resource Center



FY 2008 – FY 2010 EMSC Strategic Plan

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Purpose and Parameters

- Recommends priorities for EMSC Program activities from FY 2008 - FY 2010 (inclusive)
- Includes goals and objectives within the scope and authority of the EMSC Program
- Includes strategies that can be:
 - 1.) accomplished under the defined program budget
 - 2.) measured
 - 3.) achieved over the next three years

Development of the Plan

Reviewed several key documents to develop plan priorities:

- 2006 Institute of Medicine Reports *Emergency Care for Children: Growing Pains* and *EMS at the Crossroads*
- National EMS Research Agenda and National EMS Agenda for the Future
- Healthy People 2010 Goals and Objectives from Volume I and II
- Department of Health and Human Services Strategic Plan 2004-2009
- Health Resources and Services Administration Strategic Plan 2005-2010
- Maternal and Child Health Bureau Strategic Plan 2003-2007
- “Emergency Medical Services Outcomes Project I (EMSOP I): Prioritizing Conditions for Outcomes Research” Journal Article
- “Priorities for Research in Emergency Medical Services for Children: Results of a Consensus Conference” Journal Article

Development of the Plan

- Over 50 priorities identified; five major goals and over 75 objectives developed
- Sent to the EMSC Project Officer for comment
- Focused discussions conducted with:
 - 1.) Grantee representatives (SP, TI, and PECARN grantees; EMSC NRC and NEDARC staff)
 - 2.) Program stakeholders (stakeholder group and Family Advisory Network representatives)
 - 3.) EMSC Program Project Officer and Nurse Consultant
- Purpose to gather feedback on draft goals and objectives and define strategies for achieving them

Development of the Plan

- Stakeholder group given final opportunity to provide feedback and comments during June 2007 meeting
- Edits incorporated into the plan to produce final version
- Final plan includes six goals and 29 objectives

Goals of the Plan

Goal 1: Improve the evidence base for pediatric emergency care through the development of a research infrastructure

Goal 2: Ensure the operational capacity and infrastructure to provide pediatric emergency care

Goal 3: Identify and disseminate strategies to improve the quality and safety of pediatric emergency care



FY 2008 – FY 2010

EMSC STRATEGIC PLAN


RECOMMENDATIONS OF
THE PARTNERSHIP
FOR CHILDREN
STAKEHOLDERS GROUP

Goals of the Plan

Goal 4: Establish permanence of EMSC in each State/Territory EMS system

Goal 5: Improve emergency preparedness and response for children involved in disasters


Goal 6: Improve State/Territory and national capacity and infrastructure to collect, analyze, and utilize pediatric emergency care data



FY 2008 – FY 2010
**EMSC
STRATEGIC
PLAN**

RECOMMENDATIONS OF
THE PARTNERSHIP
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STAKEHOLDERS GROUP

U.S. Department of Health and Human Services
HRSA
Health Resources and Services Administration



U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES USA

Goal One: Objectives and Strategies

Objective 1.1: Review, update, and implement pediatric emergency care research priorities

Strategies for Implementation

- Conduct literature review to examine gaps and opportunities in research
- Develop implementation strategies for research priorities

Goal One: Objectives and Strategies

Objective 1.2: Develop and support a cadre of new prehospital pediatric emergency care research investigators

Strategies for Implementation

- Mentor prospective investigators
- Provide grant writing and review assistance to prospective investigators
- Offer fellowship program through PECARN
- Foster collaboration and mentorship between new and seasoned investigators
- Provide funding for new investigators

Goal One: Objectives and Strategies

Objective 1.3: Encourage the development of high-priority and rigorous prehospital-based pediatric emergency care research studies

Strategies for Implementation

- Provide funding to study pediatric care strategies used by prehospital providers
- Encourage grantees to collaborate with EMS agencies to conduct such research

Goal One: Objectives and Strategies

Objective 1.4: Make funding available for rigorous and definitive hospital-based pediatric emergency care research studies

Strategies for Implementation

- Provide funding to improve the infrastructure for studies in at least one of the following areas:
 - 1.) safety issues
 - 2.) technologies and equipment
 - 3.) medication safety and efficacy

Goal One: Objectives and Strategies

Objective 1.5: Disseminate pediatric emergency care research findings and results to health care leaders, policymakers (including Federal, State, and local), and practitioners in all settings

Strategies for Implementation

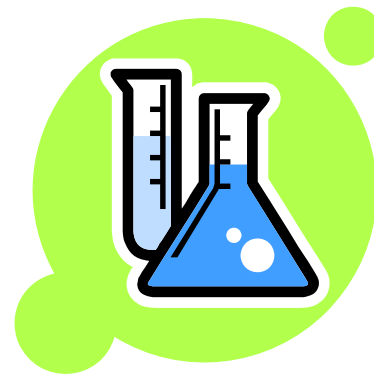
- Disseminate research findings and results (e.g., publication of journal articles, presentations and national meetings)
- Evaluate the effectiveness of each dissemination method

Goal One: Objectives and Strategies

Objective 1.6: Optimize the infrastructure for multi-institutional pediatric emergency care research

Strategies for Implementation

- Conduct evaluation of PECARN nodes and data center using report card assessments
- Conduct evaluation of PECARN as a research network, including how to engage community hospitals



Goal One: Objectives and Strategies

Objective 1.7: Foster pediatric emergency care research collaboration among EMSC grantees, stakeholders, and Federal agencies

Strategies for Implementation

- Support electronic communication among grantees, stakeholders, and federal agencies
- Host EMSC Annual Grantee Meeting
- Participate in national organization meetings to facilitate networking and disseminate EMSC information
- Coordinate Interagency Committee on EMSC Research (ICER)

Goal One: Objectives and Strategies

Objective 1.8: Assist investigators with seeking external funding outside of the EMSC Program

Strategies for Implementation

- Educate potential funders on importance of pediatric emergency care research
- Provide grant announcements to grantees every two weeks
- Provide grant writing workshops to investigators
- Provide TA to investigators on seeking external funding
- Provide information on NRC and NEDARC websites on seeking external funding

Goal Two: Objectives and Strategies

Objective 2.1: Develop evidence- or consensus-based on-line and off-line pediatric medical direction for BLS and ALS providers

Strategies for Implementation

- Convene meeting with stakeholders (including FAN representatives) to assess existence of such medical direction
- Assess existence of such medical direction by comparing protocols from 25% of the States/Territories and evaluating whether or not they incorporate evidence- or consensus-based pediatric care
- Develop data collection tools for the performance measure
- (States/Territories) Collect data on the performance measure

Goal Two: Objectives and Strategies

Objective 2.2: Assess the availability of essential pediatric equipment and supplies for BLS and ALS ambulances

Strategies for Implementation

- (States/Territories) Determine if required equipment matches AAP/ACEP list of essential pediatric equipment and supplies
- (States/Territories) Contact NEDARC for collection survey
- (States/Territories) Collect data on the performance measure

Goal Two: Objectives and Strategies

Objective 2.3: Develop a statewide, territorial, or regional standardized system that recognizes hospitals that are able to stabilize and/or manage pediatric medical emergencies and trauma

Strategies for Implementation

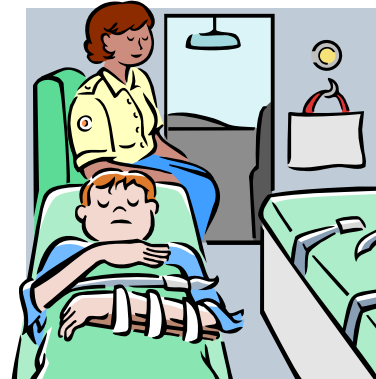
- (States/Territories) Analyze existing evidence on effectiveness of a facility recognition program
- (States/Territories) Include developing facility recognition program as topic on EMSC Advisory Committee's agenda
- Provide resources to grantees to help them develop implementation strategies for categorization
- (States/Territories) Collect data on the performance measure

Goal Two: Objectives and Strategies

Objective 2.4: Develop written pediatric inter-facility transfer guidelines for hospitals

Strategies for Implementation

- (States/Territories) Collect data on the performance measure
- Aggregate State data on performance measure using HRSA Electronic Handbook



Goal Two: Objectives and Strategies

Objective 2.5: Develop written pediatric inter-facility transfer agreements to facilitate timely movement of children to appropriate facilities

Strategies for Implementation

- (States/Territories) Collect data on the performance measure
- Aggregate State data on performance measure using HRSA Electronic Handbook

Goal Two: Objectives and Strategies

Objective 2.6: Develop and adopt minimum requirements for pediatric emergency education as part of the recertification requirements of all EMS providers

Strategies for Implementation

- (States/Territories) Collect data on the performance measure

Goal Two: Objectives and Strategies

Objective 2.7: Engage EMSC stakeholder organizations in developing strategies to assist States/Territories in improving the pediatric emergency care infrastructure

Strategies for Implementation

- Engage stakeholder organizations to develop strategies for at least one of the following issues:
 - 1.) On-line/off-line pediatric medical direction
 - 2.) Essential pediatric equipment and supplies
 - 3.) Pediatric medical/trauma facility recognition program
 - 4.) Pediatric inter-facility transfer guidelines *or* agreements
 - 5.) Minimum requirements for pediatric emergency education for recertification of all EMS providers
 - 6.) Minimum pediatric emergency care training requirements for hospital staff
 - 7.) Communicating importance of pediatric emergency coordinators in EMS agencies and hospitals

Goal Three: Objectives and Strategies

Objective 3.1: Assess current resources for pediatric patient care quality

Strategies for Implementation

- Assess existing resources and engage stakeholder organizations in developing implementation and dissemination strategies in at least one of the following areas:
 - 1.) reducing errors
 - 2.) family-centered care
 - 3.) treating children and youth with special health care needs
 - 4.) working effectively across cultures
 - 5.) language access
 - 6.) health literacy

Goal Three: Objectives and Strategies

Objective 3.2: Disseminate currently available resources and/or implementation strategies on pediatric patient care quality to EMSC grantees and other relevant stakeholders

Strategies for Implementation

- Disseminate resources and/or implementation strategies in at least one of the following areas:
 - 1.) reducing errors
 - 2.) family-centered care
 - 3.) treating children and youth with special health care needs
 - 4.) working effectively across cultures
 - 5.) language access
 - 6.) health literacy

Goal Three: Objectives and Strategies

Objective 3.3: Make funding available to develop the infrastructure for studying pediatric patient care quality

Strategies for Implementation

- Make funds available in at least one of the following areas:
 - 1.) reducing errors
 - 2.) family-centered care
 - 3.) treating children and youth with special health care needs
 - 4.) working effectively across cultures
 - 5.) language access
 - 6.) health literacy

Goal Four: Objectives and Strategies

Objective 4.1: Establish an EMSC Advisory Committee within each State/Territory

Strategies for Implementation

- (States/Territories) Identify which of the 14 individuals are missing from their committee
- Assist with recruiting any of the missing individuals
- (States/Territories) Determine the current frequency of committee meetings, but meet at least four times a year

Goal Four: Objectives and Strategies

Objective 4.2: Incorporate pediatric representation on the State/Territory EMS Board

Strategies for Implementation

- (States/Territories) Review state laws regarding board membership
- (States/Territories) Determine appointment process
- Develop example strategies to assist in pediatric position allocation
- Provide guidance for States/Territories struggling to recruit a pediatric representative
- (States/Territories) Recruit a pediatric representative

Goal Four: Objectives and Strategies

Objective 4.3: Establish one full-time equivalent (FTE) EMSC manager that is dedicated solely to the EMSC Program

Strategies for Implementation

- Work with stakeholders to develop strategies to achieve this objective
- (States/Territories) Recruit such a manager

Goal Five: Objectives and Strategies

Objective 5.1: Review and disseminate guidelines on how to appropriately respond to children and their families before, during, and after a disaster at the national, State, and local levels

Strategies for Implementation

- Review existing and available literature/tools
- Disseminate guidelines

Goal Five: Objectives and Strategies

Objective 5.2: Encourage States/Territories to incorporate pediatric disaster preparedness training into initial education, continuing education, credentialing, and certification programs for EMS providers

Strategies for Implementation

- Assess and disseminate currently available training curriculum



Goal Five: Objectives and Strategies

Objective 5.3: Increase the capacity for States/Territories to improve their level of pediatric expertise on Disaster Medical Assistance Teams (DMAT) and other organized disaster response teams

Strategies for Implementation

- Assist with recruiting pediatricians and pediatric emergency medicine physicians for teams
- Provide list of appropriate pediatric equipment to teams
- Provide consultation on appropriate levels of pediatric training needed to teams

Goal Five: Objectives and Strategies

Objective 5.4: Review and disseminate disaster plan strategies that address pediatric surge capacity before, during, and after a disaster for both injured and non-injured children at the national, State, and local levels

Strategies for Implementation

- Review existing literature on how to address pediatric surge capacity
- Disseminate strategies on how to address pediatric surge capacity

Goal Six: Objectives and Strategies

Objective 6.1: Make funding available to improve State/Territory and national capacity and infrastructure to collect, analyze, and utilize pediatric emergency care data

Strategies for Implementation

- Conduct SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis to develop goals for State/Territory's EMS data collection system in conjunction with the NEMSIS TAC
- Present benefits of adopting NEMSIS-compliant system
- Support NEMSIS in development of a national infrastructure to collect, analyze, and report data

Goal Six: Objectives and Strategies

Objective 6.2: Provide States/Territories with technical assistance for data collection, analysis, and utilization

Strategies for Implementation

- Provide data collection, analysis, and utilization workshops
- Conduct State/Territory-specific TA site visits
- Conduct data collection and analysis of web casts



Goal Six: Objectives and Strategies

Objective 6.3: Provide data management services, consultation, and support to the Research Node Centers of PECARN

Strategies for Implementation

- Provide electronic data collection, consultation, and support
- Provide data cleaning
- Provide data storage
- Provide data analysis
- Provide site monitoring activities and trainings to ensure compliance with regulatory requirements
- Support and assist in the development and operationalization of research methodologies and protocols
- Provide assistance with regulatory compliance documents
- Provide policy development support and maintenance

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